USER MANUAL

Playlist Panel

Version 7.30 - May 2017



1PDirector





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What's New?

In the User Manual, the icon NEW! has been added on the left margin to highlight information on new and updated features.

The sections updated to reflect the new and modified features in Playlist Panel version 7.30 (compared to version 7.20) are listed below.

Compatibility with 32 audio channels

Audio swaps can be set between 32 audio channels.

- See section "Audio Swap Settings" on page 161.
- See section "Action = Audio Swap" on page 168 ("Playlist Macro Commands Settings").
- See section "Action = Audio Swap" on page 123 ("Using Action Tags into a Playlist to Trigger Transport Functions or Playout Effects").

X What's New?



1. Introduction

1.1. Purpose and Workflow

The Playlist Panel allows multiple playlists to be made, modified and played to air using an efficient workflow with a great deal of flexibility.

The workflow combines four modules within the application that are needed to perform the tasks required:

- the Playlist Panel interface to manage several playlists.
- the Control Panel used for playout or browsing purposes on an EVS video server.
- the Software Player to browse clip elements via the GigE network
- the Database Explorer

The user can load an element from the Database Explorer onto a Control Panel channel to preview it before adding it to a playlist or directly insert the element into a playlist in the Playlist Panel. The element can be loaded or inserted by using drag & drop or simple mouse click operations.

Several Playlist Panels may be used at the same time.

The Playlist Panel user manual describes the management of normal playlists. Specificities about Fill and Key playlists are detailed in a dedicated section. See section "Fill and Key Playlists" in the General Functions user manual for information on Fill and Key playlists.

1.2. Playlist Element Types and Statuses

1.2.1. Possible Source Material

Whatever the source material included in the playlist, the components of the playlist are referred to as playlist elements. Various types of playlist elements can be inserted into a playlist:

- trains, XT clips, growing clips, protect media (clips associated to logs) defined on an EVS server.
- files stored on a nearline storage.
- · playlists, bins.



NOTE

As the term "clip" refers to a logical entity which includes A/V material, we will use this term in the user manual if the elements included in a clip (XT clip, file, growing clip or protect media) are irrelevant in the context. Should we want to refer to a specific type of clip element, we would then mention this explicitly.

1. Introduction

1.2.2. Virtual and Physical Playlist Elements

From IPDirector 5.8, playlists can be created with elements whose corresponding clips are not yet available on the EVS video server where the playlist will be played out. For this reason, we will distinguish the following statuses for playlist elements:

Element Status	Description
Physical playlist element	Playlist element which is available on an EVS video server of the XNet network.
Virtual playlist element	Playlist elements which are not yet present on an EVS video server of the XNet network. These elements still need to be restored to the EVS server.

1.3. Off-Line and On-Line Playlists

The playlists made up using the Playlist Panel can be created in an off-line state.

A playlist is off-line when it has been created by IPDirector, but has not yet been sent to the XNet server network. Such a playlist is only defined in the IPDirector database, and can only be seen in IPDirector.

A playlist becomes on-line once it is loaded on an EVS server channel, and thus is present on an EVS video server.

1.4. Playlists on the Playlist Panel Versus Clip-Lists on the Control Panel

With the Playlist Panel, playlist advanced functions can be used, which means that playlists with different transition effects between elements can be created in contrast to simple clip-lists from the Control Panel. A variety of playout effects can be defined such as audio and/or video transition effects, different playout speed, skipping an element, looping playlist elements. Different stop or start options can be programmed for the different elements of a playlist. Tags can be defined on playlist elements at specific timecode to carry out specific audio or video actions during playout.

2 1. Introduction



1.5. Opening a Playlist Panel

To open a Playlist Panel, click the Playlist Panel icon on the IPDirector Application toolbar.

The Playlist Panel window will populate but it will be dimmed and only the **Channel Name** field, the **Playlist Name** field and the **LSM ID** field will be available.

1. Introduction 3

2. User Interface

2.1. Overview of the Playlist Panel

2.1.1. Playlist Panel Outline

Illustration

The Playlist Panel contains the areas highlighted on the screenshot below:



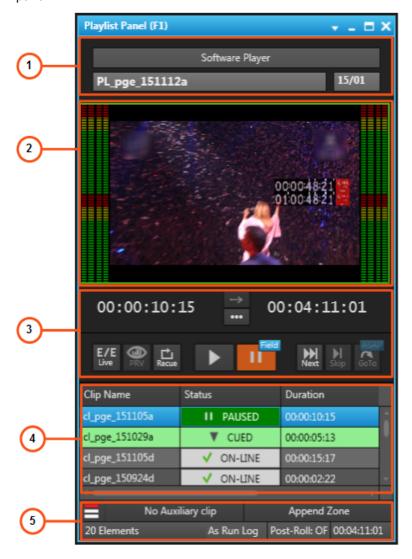


NOTE

From version 6.55, the interface skin has slightly changed, so the color shade of some user interface elements (such as title bar, buttons) may differ from the screenshots included in the current manual.



When the Software Player or the player channel connected to the input of the IPDirector workstation video card is assigned to the Playlist Panel, the Video Display appears in the panel:



Area Description

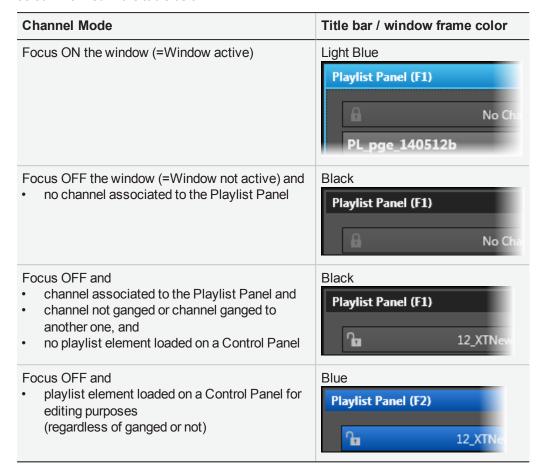
The table below describes the various parts of the Playlist Panel:

Are	ea	Description
1.	Loaded Media area	This area displays the channel name and the playlist name and provides the basic functions to create or load a playlist. See section "Loaded Media Area" on page 8.
2.	Video Display pane	This pane is used to view the loaded item. It can be displayed when the user has selected the Software Player or a player channel connected to the input of the IPDirector Workstation video card. If the video display is already open as an independent window, no video display opens in the Player Panel, but you can monitor the commands you perform on the video display window or switch it from the independent window to the Playlist Panel. It may also show audiometers for audio monitoring. See the General Functions user manual for a detailed description of the Video Display.
3.	Transport Functions area	This area provides buttons to control all the required transport functions. It displays information for the current position in the list with reference to the next element and next break. See section "Transport Functions Area" on page 15.
4.	Playlist grid	This area displays all the playlist elements in columns. See section "Playlist Grid" on page 17.
5.	Status bar	This area displays information regarding lock on air position, Auxiliary Clip, End Cue, As run log and Post-Roll. See section "Status Bar" on page 22.



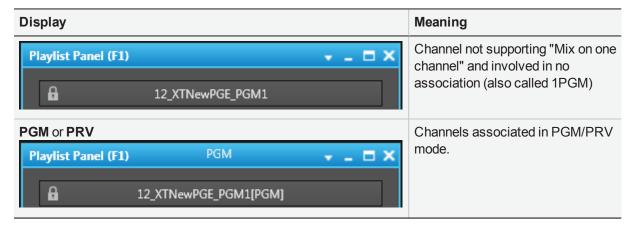
2.1.2. Background Color of Window Outline

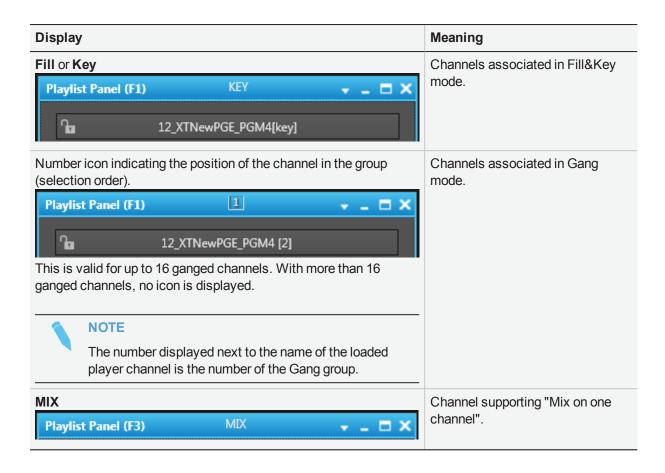
The background color of the window title bar will differ depending on several parameters, as summarized in the table below:



2.1.3. Channel Mode Display

The window title bar gives information such as the association type or the channel mode in which the controlled player channel is involved or the "Mix on one channel" functionality.





2.2. Loaded Media Area

2.2.1. Introduction

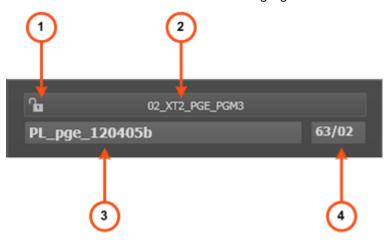
The Loaded Media area provides the basic functions to create an empty playlist and to load an existing playlist.



2.2.2. Overview of the Loaded Media Area

Illustration

The Loaded Media area contains the areas highlighted on the screenshot below:



Area Description

The table below describes the various parts of the Loaded Media area:

Area		Description / See also
1.	Lock button	This button makes it possible to lock the player channel to prevent any operation from any IPDirector user interface. The button can be displayed in two ways: • It is channel is unlocked • It is not displayed with the Software Player. See section "Locking a Channel" on page 28 for more details.
2.	Player field	This field is used to select the player which will be used to play A/V material. This can be the Software Player or a server player channel. See section "Player Field" on page 10.
3.	Loaded Media field	This field gives the name of the playlist that is loaded on the player.
4.	LSM ID field	This field displays the LSM ID of the loaded playlist. A playlist can be loaded on the player by entering its LSM ID directly in this field. See section "How to Load a Playlist via the Playlist Name or LSM ID" on page 47.

2.2.3. Player Field

Player Name

The **Player** field displays the name of the selected player:



See section "Assigning a Player" on page 26 for more information on how to assign a player.

If a name has been assigned to the channel on the EVS server, this name will be displayed in the **Player** field.

If no name has been assigned to the channel on the EVS server, the EVS factory name of the channel is displayed.

Associated Devices

ShuttlePRO

The **ShuttlePRO** icon is shown next to the **Player** field if the ShuttlePRO is associated with the selected player.



BEPlay

The **BEPlay** icon is shown next to the **Player** field if a BEPlay remote device is associated with the selected player.



Video Router

When the selected player channel is connected to an IN port of a video router, itself associated to OUT ports, the name of the router OUT port(s) is displayed after the player channel name.

12_XTNewPGE_PGM1 [Out 4, Out 6]



Field Background Color

By default, the background color of the **Player** field is grey. In specific circumstances, it may be highlighted with a different color.

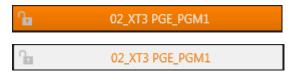
Loaded Playlist Element

When a playlist element is loaded on the Control Panel for editing, the background color of the **Player** field turned blue both in the Control Panel and in the Playlist Panel.



On-Air Display

This functionality is used to show that the selected player is on air and to inform other users that they should not perform any action on the on-air channel. When it is enabled, the **Player** field background will flash:



See section "Enabling the On-Air Feature" on page 30 for more information.

Player Contextual Menu

A contextual menu appears when you right-click the Player field.

The following table describes the commands available from the contextual menu.

Menu Item	Description
Software Player	Links the Software Player to the Playlist Panel. See section "Assigning a Player" on page 26 and section "Software Player" in the General Functions user manual.
2ND Controller	Passes the control of the player on to the secondary controller, if any. See section "Controlling the Player from a Secondary Controller" on page 31.
Mode	Allows the users to choose the operation mode of the selected player channel. A sub-menu provides two options: 1PGM, PGM/PRV. See section "Playing a Series of Clips or a Playlist" on page 32.
ON AIR	Sets the player channel to ON AIR Status. See section "Enabling the On-Air Feature" on page 30.
Set Channel to IDLE	Sets the channel to IDLE and unloads the playlist. The E/E and the Recue buttons remain available.

Menu Item	Description
None	Removes the association between the Playlist Panel and the player.
Workstation Channel	Links the Playlist Panel to the player channel set as linked in the IPDirector Configuration window of the Remote Installer.
[List of player channels from available EVS video servers]	Provides the list of player channels available on the XNet network, and visible to the current user, which can be assigned to the Playlist Panel. See section "Assigning a Player" on page 26. When a player channel is connected to an IN port of a video router, itself associated to OUT ports, the name of the router OUT port(s) is displayed after the player channel name.

2.2.4. **Playlist Contextual Menu**

The Playlist contextual menu is available when right-clicking anywhere in the Channel Media area and the Transport Functions area in the Playlist Panel.



NOTE

As specific contextual menus are dedicated to some buttons or fields, it is recommended to right-click outside buttons or fields to get the Playlist contextual menu.

The commands are described hereafter.

New Playlist

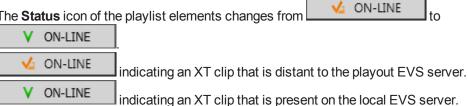
Opens the Create New Playlist window to create a new playlist. See section "Creating Playlists" on page 37 for more information.

Copy clips locally

Creates a copy of all distant elements of the selected playlist onto the local server. Two options are available:

- Copy short: This copy will only include the media needed inside the playlist with minimal guardbands created during copy.
- **Copy long**: This copy will include the complete original clips with their quardbands. They are only available if the playlist is on-line on an EVS server. See section "Copying Playlist Elements Locally" on page 57 for more information.

The Status icon of the playlist elements changes from



Convert to Timeline

Opens the Make a Timeline Online window and allows users to convert the selected playlist into a timeline which could then be managed through IPEdit.

Convert to Edit

Converts the playlist to an edit.



Send to

Provides a list of possible destinations to which the selected playlist can be sent. Possible destinations are:

- the user's default bin
- any target destination visible on the GigE network that has been defined in the Remote Installer (CleanEdit targets, Avid targets, Final Cut Pro targets, File targets, EVS servers targets).
- any target that has been defined in the connected Xsquare.

See section "Transferring Media" on page 65.

Flatten to XT

Displays a list of high resolution EVS servers and pages available on the XNet network to which the user can store a consolidated clip out of the selected playlist.

The flattened clip will have the same VarID as the original playlist. That is the reason why the flattened clip cannot be stored on the same EVS server as the original playlist, otherwise, this would result in a VarID conflict.

Backup to Nearline

Used for the storage or the backup of the selected playlist to the default nearline or to a nearline directory.

Provides a list of possible nearline destinations to which the selected item can be sent as file, that is to say any destination folder visible on the GigE network that has been defined in the Remote Installer to allow transfer. The file format is defined in the Remote Installer. Users can access the A/V material of nearline folders in IPDirector, or restore it on an EVS server.

See section "Transferring Media" on page 65 for more information.

Import

Imports the playlist structure and playlist related information from an XML file into IPDirector.

See section "How to Import the Playlist Definition" on page 71 for more information.

Export

Exports the loaded playlist structure and playlist related information from IPDirector to an XML file or CSV file.

See section "How to Export the Playlist Definition" on page 70 for more information.

Publish

Opens the Publish window in which you can specify the user groups the selected item should be published to.

The item will be published to the selected groups, providing that they have the adequate rights.

See section "Publishing Playlists" on page 64.

Edit/Rename

Opens the Edit a Playlist window from which the users can modify the properties of the selected playlist.

Regenerate TC Output

Generates a continuous timecode to be able to browse a playlist easily. See section "Generating Continuous TC Track" on page 92.

Order by TC

Order the playlist elements according to the creation date and the timecode of their IN point.

In case several playlist elements have the same TC IN, they will be ordered by server number, then by recorder number.

See section "Ordering Playlist Elements by Timecode" on page 83.

This option is not available for on-line playlists.

The Order by TC operation can be undone/redone.

Delete Playlist

Deletes the selected playlist. The option is only available when the playlist is not loaded on a player channel.

Delete Playlists and Clips

Deletes the selected playlist and all the clips contained in the playlist, provided that they are not inserted into another playlist. The option is only available when the playlist is not loaded on a player channel.

See section "How to Delete a Playlist and its Clips" on page 62 for more information.

Delete all unused Playlists

Opens the Delete Unused Playlists window from which you can select a reference date for the deletion of playlists.

All the playlists (on all the EVS servers of the XNet network) not used since the reference date will be displayed in the window. All the retrieved playlists or a selection of them can be deleted.

See section "How to Delete Unused Playlists" on page 62 for more information.

Set as default playlist

Sets the selected playlist as default playlist.

Create an off-line copy

Creates an off-line copy of the selected playlist.

This new off-line playlist has the same content as the playlist selected. It also has the same name but it has no LSM ID.

Copy/Move Playlist

Allows the users to:

- create an off-line or on-line copy of the selected playlist
- move the playlist to another EVS server
- make the playlist off-line.

See section "Copying and Moving a Playlist" on page 55 information.

Create Archive Melt

Create a high resolution flattened clip and a low resolution flattened clip with all the clips put in the playlist.

See section XXX

The melt destinations must have been defined for this option to be available.

Define Melt Destinations

Opens the Define Melt Destinations window from which you can select the destination to send the flattened clip and the associated logsheet to.

See section "Steps for the Creation of a Melt" on page 180.

Properties

Displays information related to the owner and the groups the selected item has been published to.

Show/Hide Video Display

Shows the Video Display inside the Playlist Panel when it is off or hides it when it is on. If the Video Display is not linked to the selected player channel, the option is not available.



2.3. Transport Functions Area

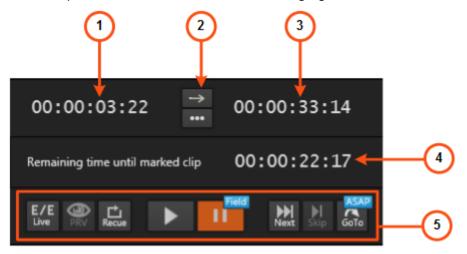
2.3.1. Introduction

The Transport Functions area provides transport functions to navigate in the loaded element.

2.3.2. Overview of the Transport Functions Area

Illustration

The Transport Functions area contains the areas highlighted on the screenshot below:



Area Description

The table below describes the various parts of the Transport Functions area:

Are	ea	Description / See also
1.	Time until Transition field	This field provides information on the remaining time till the next element starts. It is calculated taking into account the current speed. It allows to jump to a specific remaining time value. See section "How to Jump to a Remaining Time Value" on page 54.
2.	Play Mode button	This button is used to define how the loaded item will be played: in Normal mode or in Loop mode. See section "Looping Playlist Elements During Playout" on page 131.

Are	ea	Description / See also
3.	Time Information field	This field can be used in two ways and displays the remaining time until the next break or until the next unavailable element within the playlist. See section "Time Information Field" on page 16.
4.	Time until Marked Clip field	This field shows the remaining time until the marked playlist element starts. It is only displayed when a playlist element has been marked. See section "Marking a Playlist Element for Remaining Time Calculation" on page 59.
5.	Transport commands	Those commands are used to browse in and play the loaded playlist. See section "Transport Buttons and Shortcuts" on page 49 for the list of transport buttons, shortcuts and ShuttlePRO keys. The E/E function is described in section "Loading a Train or a Recording Ingest" on page 45. The Recue function is described in section "How to Reload a Playlist" on page 48.

2.3.3. Time Information Field



This field can be used in two ways, depending on the **Remaining Time Information** setting defined in the Playlist General settings:

- The Time until next break information is the remaining time till the next break in the
 playlist.
 - If the playlist has no break, the remaining time till the end of the playlist is displayed. If the playlist elements still to be played include virtual elements (without timecodes defined), no remaining time will be displayed.
- The Time until next unavailable element information is the remaining time till the next playlist element that is unavailable on the XNet network.

It is also calculated taking into account the current speed, and the transition information (effect duration and playlist elements speed). If the speed is unknown, the speed of the previous element will be used to calculate the value, if this is also unknown, then the previous element speed must be used, etc).



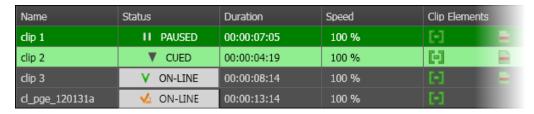
NOTE

If the Playlist has a LOOP defined in the middle, the time until next break may not display a value due to the type of LOOP in use.



2.4. Playlist Grid

2.4.1. Introduction



The playlist grid represents the playlist content, with one row representing one element of the list and a customizable set of columns to display element data and information about the transitions and values being assigned to the playlist.

A selected line appears on a blue background.

2.4.2. Playlist Element Statuses

In the Playlist grid, the **Status** column provides two kinds of status information on the playlist element:

- Playout status
- Availability status (availability on an EVS server)

The whole line color can also give specific information.

The lists below specify the possible statuses for playlist elements.

Playback Status

Status Column	Description
► PLAYING	The playlist element is being played. The whole line is colored.
▼ CUED	The playlist element is cued and is the next element that will be played. The whole line is colored.
II PAUSED	The playout has been paused when this playlist element was playing. The whole line is colored.

Availability Status

Status Column	Description
▼ ON-LINE	Local element: the playlist element is available locally, on the EVS server where the playlist is stored.
✓ ON-LINE	<u>Distant element</u> : the playlist element is available on another EVS server of the XNet network.
× MISSING	Missing element: the playlist element is not available on an EVS server. It only exists as a file stored on a nearline folder, or as a virtual element. You need to restore the playlist element of type "file" to be able to play it out on a player channel. You can however play it on the Software Player but the Playing status will not be applied to the missing elements.

2.4.3. Cumulative Duration

When multiple elements are selected in the playlist, a tooltip is displayed and indicates the cumulative duration of all the selected elements. The cumulative duration takes into account the following parameters: video effect, speed, still and start mode.

2.4.4. Grid Header Contextual Menu

Right-clicking the grid header displays the grid contextual menu.

The options are described in the following table:

Option	Description
Hide	Hides the selected column.
Organize	The Organize window opens and allows the users to select the columns to display and their order.
Save grid organization	Saves the organization of the grid as it is displayed (columns selection, order and size). It is saved by each user. Therefore, this organization will be retained the next time the user logs in and opens the application.
Reset grid organization	Sets back the grid to the default grid organization.

2.4.5. Organizing Columns

Columns can be resized and/or re-ordered. This new organization is automatically saved and remembered. However, it is also possible to reset the column organization to the default organization.



Resizing Columns

A column can be resized by placing the mouse pointer over columns intersection and dragging it to the right or to the left.



Selecting Columns to Display

To select the columns to display in the grid,

- 1. Right-click the column header area.
 - A menu is displayed.
- 2. Select Organize.

The Organize window opens and the right pane shows the list of columns currently displayed in the current order.

- 3. To select the column(s) you wish to add to the view, select them from the Visible columns pane.
- 4. To select the column(s) you wish to remove from the view, clear them from the Visible columns pane.
- 5. Click OK.

Ordering Columns

To change the columns order, proceed in one of the following ways

• Select a column header and drag it to the left or right to the required place:



OR

1. Right-click the column header area.

A menu is displayed.

2. Select Organize.

The Organize window opens and the right pane shows the list of columns currently displayed in the current order.

- 3. Drag the selected column to the required position.
- 4. Click OK.

Resetting the Column Organization to the Default One

Users can reset the column organization to the default one (columns selection, order, size,...).

- Right-click the column headers area.
- 2. Select Reset Grid Organization.

Resetting the List of Columns back to the Default One

Users can reset the list of columns displayed in the grid to the default one.

1. Right-click the column header area.

A menu is displayed.

2. Select Organize.

The Organize window opens.

3. Click Default.

2.4.6. On-air Time Parameter

The on-air time is one of the parameters which can be displayed in a column. It is then mentioned for each element and provides information about when an element will be played out to air.

The on-air time calculation takes into account:

- · The start time and position in the playlist
- · The effect durations in the list
- The speed of the elements in the playlist

If the on-air time cannot be calculated (e.g. due to still and start modes used in the list), "--:--:-" is displayed.

2.4.7. Playlist Element Contextual Menu

Right-clicking a playlist element displays a contextual menu. The table below describes all the available options.

Menu Item	Description
Remove Element	Removes one or more selected elements from the playlist. See section "Removing Elements from a Playlist" on page 84. If a group is part of the selection, all elements of the group will be removed.
Define Audio/Video Effect	Opens the Define Audio/Video Effect used to define various audio and video transition effects between elements of a playlist. See section "Adding Audio / Video Transition Effects" on page 101.
Define Start Mode	Opens the Define Still/Start Mode Parameters window used to define automatic starts or freezes within a playlist. See section "Stopping and/or Starting Automatically the Playout of a Playlist" on page 108.
Set Speed	Gives a choice of predefined playout speeds or allow to set a custom playout speed for the selected playlist elements. See section "Setting the Playout Speed" on page 105.



Menu Item	Description
Reset Transition to Default	Reset the following playout parameters to the default values for all the selected elements: speed, still mode, start mode, A/V effect. See section "Resetting Playout Parameters to Default" on page 114.
Mark for remaining time	Marks the selected playlist element, so the remaining time before this element starts is displayed. See section "Marking a Playlist Element for Remaining Time Calculation" on page 59.
Loop	Opens the Define Loop window to defines a partial loop within the playlist, so the selected playlist elements will be played several times or indefinitely. See section "Looping Playlist Elements During Playout" on page 131.
Insert LIVE or DELAY	Opens the Insert LIVE or DELAY window to insert a live or delayed record train into a playlist. See section "How to Insert a Live or Delayed Record Train" on page 76.
Insert/Edit Tag	Opens the Define Element Tags from which users can use several types of tags to trigger transport functions or playout effects. See section "Using Action Tags into a Playlist to Trigger Transport Functions or Playout Effects" on page 117.
Insert Comment	Opens the Insert a Comment Line window used to insert a comment line within the playlist and set its background and foreground colors. See section "Inserting Comments into a Playlist" on page 96.
Insert Freeze	Opens the Freeze window used to insert a freeze effect in a playlist element at a certain time code. See section "Inserting a Freeze Effect in a Playlist Element" on page 114.
Split Element	Splits a playlist element in two elements at the current timecode. This can be used when you want to replace a portion of A/V material by another one. The second resulting element is trimmed and another clip can be inserted between the two elements. See section "Replacing a Portion of Playlist Element by another Clip" on page 89.
Insert a Linked Clip	Inserts a clip linked to the selected clip into the playlist. See section "Adding a Linked Clip to a Playlist" on page 90.
Replace by a Linked Clip	Replaces the selected clip by one of its linked clips. See section "Adding a Linked Clip to a Playlist" on page 90.
Insert Black Clip	Opens the Insert Black Clip window used to define the duration of the black clip that users want to insert. See section "Black Clips Management" on page 147.
Insert Virtual Element	Opens the Insert Virtual Element window from which users can define the virtual element parameters. This can be used when you already need to have your full playlist run order, but the media corresponding to a playlist element is not yet available on the XNet network See section "Inserting Virtual Elements in a Playlist" on page 78.

Menu Item	Description
Group	Opens the Insert a Group window used to group the selected elements and define its name. See section "Grouping Elements in a Playlist" on page 94.
Ungroup	Removes a group previously defined. See section "Grouping Elements in a Playlist" on page 94.
Restore Elem	Restores a playlist element onto an EVS server if the corresponding clip does not contain an XT clip. See section "Restoring a Playlist Element" on page 81.
Cut	Used in a Cut and Paste operation to move the selected element(s).
Сору	Used in a Copy and Paste operation to copy the selected element(s).
Paste	Used in a Cut and Paste or Copy/Paste operation to paste the cut or copied element(s). The elements are inserted in the playlist before or after the element selected when the Paste operation is initiated. This depends on the Insert Mode in Playlist parameter of the Playlist settings. See the Tools > Settings > Playlist > Playlist/General category.

All these functions are described in details in "Editing Playlists" on page 72 and "Playout Effects and Parameters" on page 100.

2.4.8. Selection of Elements

The selection of elements in a playlist follows the selection rules applicable in any Windows-based application.

Selecting elements in a playlist is performed as follows:

- To select contiguous elements, click the first element, press SHIFT and click the last element.
- To select non contiguous elements, keep CTRL pressed while selecting the elements.
- To select a group of clips, click the group heading.

2.5. Status Bar

2.5.1. Introduction

This area displays information regarding lock on air position, Auxiliary Clip, End Cue, As run log, Post-Roll and the number of elements present in the playlist.



The Total playlist duration, the END CUE area, the As Run Log area and the post-Roll area are displayed only if this has been set under **Tools > Settings > Playlist > Colors**.

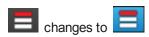


2.5.2. Lock On-Air Position Button

This option is used to keep the on-air element always visible in the playlist panel.

The "lock on-air position" mode is activated or de-activated by clicking the **Lock on-air position** button.

When activated, the button background color becomes blue:



The mode is automatically disabled when:

- · the user scrolls in the playlist, or
- a clip, a train, a timeline or a growing clip is loaded on the channel, and consequently, the playlist is unloaded.

The **Lock on-air** button is unavailable in each of the following cases:

- no channel is associated to the playlist panel
- · no playlist is loaded
- the on-air element is not visible on the playlist panel.

2.5.3. Auxiliary Clip Name Area



This area indicates whether an auxiliary audio clip is associated to the playlist or not.

If an auxiliary clip is associated, the area displays the name and LSM ID of the clip.

If no auxiliary clip is associated, the area displays "No Auxiliary clip":



See section "Associating an Auxiliary Audio Clip to a Playlist" on page 140 for more details on the AuxClip function.

2.5.4. Append Zone



The Append zone can be used to append elements such as clips, growing clips or playlists to the playlist associated to the Playlist panel.

This is done by a drag-and-drop operation from the Database Explorer. See section "Appending an Element at the End of a Playlist" on page 75.

This cannot be used to append timelines to a playlist.

2.5.5. Total Playlist Duration

The total playlist duration area is shown if this has been set under **Tools > Settings > Playlist > Colors**. It is displayed even if the playlist is not cued.

The duration takes the following parameters into account:

- the duration of all the playlist elements
- the speed of the playlist elements
- the transition effects duration

The duration does not take the following parameters into account:

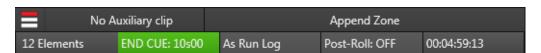
- · Still/start mode
- Partial loop

The area will display "--:--" if the total playlist duration cannot be calculated, for example, when:

- · A LIVE train is inserted as playlist element
- · A playlist element has no OUT point defined
- A virtual element with no estimated duration has been added into the playlist.

2.5.6. End Cue Area

End Cue Display



This END CUE area indicates whether the END CUE mode is activated or not.

See section "Working with End Cue" on page 141 for more details on the END CUE function.

End-Cue Contextual Menu

Right-clicking the END CUE area displays the END CUE contextual menu.



This menu makes it possible to

- · Activate or deactivate the END CUE mode
- Configure the END CUE parameters.



2.5.7. As Run Log Area



The as run log area indicates whether the as run log function is activated or not.

See section "Using As Run Log" on page 146 for more details on the as run log function.

2.5.8. Post Roll Area

Post-Roll Display

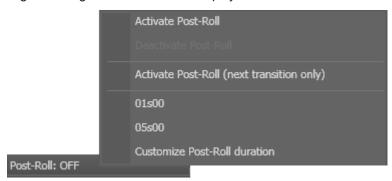


This Post-Roll area indicates whether a post roll is activated or not.

See section "Working with Post-Roll" on page 144 for more details on the Post-Roll function.

Post-Roll Contextual Menu

Right-clicking the Post-Roll area displays the Post-Roll contextual menu.



This menu makes it possible to

- Activate or deactivate the Post-Roll mode permanently
- Activate or deactivate the Post-Roll mode for the next transition only
- Select a predefined Post-Roll duration
- Customize the Post-Roll duration

2. User Interface 25

3. Managing Channels

3.1. Introduction

A playlist can be created even if no player channel is assigned to the Playlist Panel. The playlist will therefore be off-line. To create an on-line playlist, a player channel must have been assigned to the Playlist Panel. An off-line playlist can however be made on-line afterwards.

You can load, browse and play an off-line or on-line playlist on the Software Player. By using the Software Player, you will be able to play all playlist elements as long as they are available on an EVS server or on an online nearline via the GigE network.

However, you will have to make the playlist on-line and manually restore the files to an EVS server if you want to play it out on a player channel.

3.2. Assigning a Player

3.2.1. Introduction

There are several ways to assign a player channel or the Software Player to a Playlist Panel. See section "How to Assign a Player Channel or the Software Player" on page 27.

3.2.2. Limitations to Player Assignment

Some limitations exist to the assignment of a player channel or the Software Player.

- A player channel controlled by a secondary controller cannot be selected.
 - If there is a shared control of the player channel between IPDirector and a secondary controller and the channel has been configured with the IPDP protocol as the main controller in Exclusive mode, it is possible to regain control from IPDirector.
 - See section "Controlling the Player from a Secondary Controller" on page 31.
 - If the other controller has been set as main controller, it is not possible to regain control from IPDirector.
- A player channel designated as a preview channel of the PGM/PRV mode cannot be selected. An error message is displayed.
- Only one instance of the Software Player can be opened at a time in IPDirector.



3.2.3. How to Assign a Player Channel or the Software Player

From the Channel Explorer

Users can assign a player channel to a Playlist Panel from the Channel Explorer. This can be done in the following way:

 Drag a player channel from the Channel Explorer window and drop it on the Playlist Panel (in the Channel Media and Transport Functions pane).

The name of the selected player is displayed in the Player field.

When a channel is assigned to an application, the **Player** icon in the Channel Explorer window changes from to .

From the Player Field

Users can select a player from the Player field.

This can be:

- a player channel from an EVS video server
- the workstation channel, this means the player channel set as linked from the IPDirector Configuration window of the Remote Installer
- · the Software Player.



NOTE

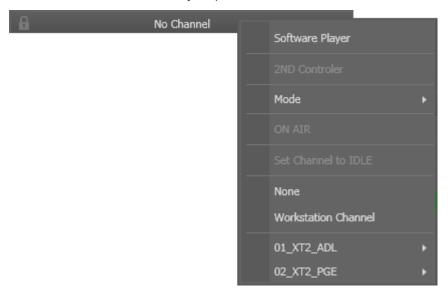
You can only open one instance of the Software Player at a time in IPDirector.

3. Managing Channels 27

To assign a player channel or the Software Player from the **Player** field, proceed as follows:

1. Right-click the Player field.

This displays a contextual menu which lists the EVS video servers and their player channels, and the Software Player option:



2. Select the Software Player or a player channel from the contextual menu.

The **Player** field displays the name of the selected player:



3.3. Locking a Channel

Purpose

It is possible to lock a player channel to prevent any operation from any IPDirector user interface. However, the Remote Panel in LSM exclusive or parallel mode will maintain control or be able to regain the control if the channel has been locked from the IPDirector interface.

If a ShuttlePRO is associated to the selected channel, its functions are inactive when the channel has been locked.



Limitations

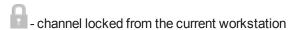
The **Lock** function is not available in the following situations:

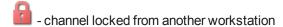
- The selected channel has been locked by another user.
- You do not have the right to lock the selected channel.
- The Remote Panel controls the channel.
- The EVS server the channel relates to is shut down.

Locked Channel Display

A Lock icon or button can have different displays:

In the Channel Explorer:





When a channel is unlocked, no icon is displayed next to the channel.

In the PlaylistPanel:



- channel unlocked

How to Lock or Unlock a Channel

Locking a Channel

To lock a player channel, proceed as follows:

Click the button in the Player field or press CTRL+L.

The button displays a closed lock and the whole window is dimmed.

Locking a Channel

To lock a player channel, proceed as follows:

Click the button in the Player field or press CTRL+L.

The button displays a closed lock and the whole window is dimmed.

Unlocking a Channel

To unlock a player channel, proceed as follows:

Click again the Lock button.

3. Managing Channels

When you unlock a channel in such a way, it remains locked to the other users. You need to unlock it from the Channel Explorer to make it available to other users.

3.4. Enabling the On-Air Feature

Purpose

The On-Air status is used to show that the selected player channel is on air and to inform other users that they should not perform any action on the on-air channel.

Constraints

The following conditions must be met for the **On Air** option to be available for a player channel:

- · the user has the control right on this channel
- this channel is not locked.

How to Set a Player Channel to the On-Air Mode

The **On-Air** function can be enabled in two ways:

- The operator right-clicks the **Player** field and select **On Air** from the contextual menu.
- The operator fires an external a GPI trigger to which the Tally (On Air) action is associated. This will automatically activate the On-Air function on the Control Panel. The actions linked to the GPI keys are defined in the Input GPIs window available from the IPDirector main menu Tools > Settings. See the General Functions user manual for more information on how to define Input GPI.

The Player field background will then flash:



3.5. Controlling a Player with another Device

3.5.1. Controlling a Player with the ShuttlePRO

Introduction

The ShuttlePRO device can control a player channel by means of the device keys. As soon as the player channel is assigned to a Playlist Panel and associated to the ShuttlePRO, users will be able to perform actions on the panel by using the ShuttlePRO.



The Software Player can also be controlled by the ShuttlePRO provided that it has been assigned to a Control Panel or a Playlist Panel.

Refer to the ShuttlePRO section of the manual for more information on the controller.

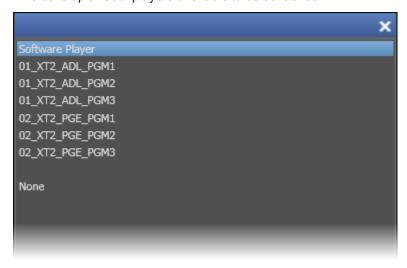
How to Control a Player with the ShuttlePRO

To control a player channel or the Software Player with the ShuttlePRO, proceed as follows:

1. Press the Select Player key on the ShuttlePRO controller.



This calls up a list of players available to be controlled.



- 2. Use the jog dial to move through the list and highlight the required player channel or Software Player.
- 3. Press the **Select Player** key again to assign the player and exit the menu.

The **ShuttlePro** icon is displayed next to the **Player** field in the Playlist Panel and in the Channel Explorer.

3.5.2. Controlling the Player from a Secondary Controller

Purpose

Any player channel of an EVS video server can be controlled by IPDirector or by another controller. Two different control modes are available. This is set from the Multicam Configuration window.

3. Managing Channels

With the Exclusive mode, the main controller and the secondary controller cannot control the channel at the same time. The control is given or gotten back from the main controller interface. From IPDirector, the **2nd Controller** option allows switching the control between IPDirector and the other device.

With the Parallel mode, both controllers can control the channel at the same time.

Prerequisites

The secondary device, the communication protocol it used, the COM port it is physically connected to and the control mode must be set from the Multicam Configuration window. See the IPDirector Technical Reference manual for more information.

The **2nd Controller** option within IPDirector is only available if the channel has been configured with the IPDP protocol as the main controller in Exclusive mode.

How to Control a Player Channel from a Secondary Controller

Exclusive Mode

Exclusive control of any player channel by a third party protocol (switcher, editor controller or 3rd party device) or by IPDirector can be achieved from a Control Panel or a Playlist Panel.

To do so, proceed as follows:

- 1. Right-click the Player field
- 2. Select the **2nd Controller** option from the contextual menu.

Parallel Mode

When the configuration has been set to Parallel mode, the control of the channel is from either IPDirector or the 3rd party device simultaneously and the **2nd Controller** option is not available.

3.6. Channel Modes for Playout with Transition Effects

3.6.1. Playing a Series of Clips or a Playlist

Introduction

IPDirector is able to play a playlist with its transition effects. A single player channel will be sufficient if it supports the "Mix on one channel" functionality. Otherwise, two player channels must be used and they must be set to PGM/PRV mode.



The "Mix on one channel" capacity of the channel can easily be checked as the information is displayed in the title bar of the Playlist Panel the channel has been assigned to.

 Channel not supporting "Mix on one channel" and involved in no association (previously called 1PGM):



Channel supporting "Mix on one channel":



1PGM Mode

When the Playlist Panel is assigned a player channel supporting the "Mix on one channel" functionality, a playlist can be loaded on that channel and played out with its transition effects.

When the 1PGM mode is selected and a playlist is loaded on a player channel which does not support the "Mix on one channel" functionality, the playlist will be played in Cut mode on only 1 output.

PGM/PRV Mode

The PGM/PRV mode provides the 2 output channels that are necessary for playing transitions between elements, when using channels which do not support the "Mix on one channel" functionality.

Any player channels cannot be associated with another one for a PGM/PRV pair. Pairs of player channels allowed for association depend on the Multicam configuration of the EVS video server. Playlist Panel only allows the authorized pairs.

Two channels can be associated in PGM/PRV mode from the Channel Explorer, the Control Panel and the Playlist Panel.

The PGM channel is necessary for playing transitions between playlist elements, when using channels which do not support the "Mix on one channel" functionality.

The PRV channel can be used with a Control Panel to preview clips or trains, or playlist elements in order to trim them on a different channel than the one used for the playlist playout.

How to Set the PGM/PRV Mode from the Playlist Panel

To associate channels in PGM/PRV mode, proceed as follows:

- 1. Assign a player channel to the Playlist Panel.
- 2. Right-click the Player field
- 3. Select Mode > PGM/PRV.

3. Managing Channels 33

3.6.2. Limitations for the Mix on One Channel Functionality

A player channel will not support the "Mix on one channel" functionality in one of the following cases:

- It is on a COHX board on the EVS video server
- It is a 1080p channel
- It is a 3D channel
- It is a 3G input
- It is on a V3X board on the EVS video server but the "Mix on One Channel" parameter is set to **No** on the Server Configuration screen.

3.6.3. **Summary**

This section summarizes the resulting actions when playing a playlist, depending on the channel mode and the channel types

When the channel mode is set to	and the "Mix on one channel" functionality	then, a loaded playlist will be played
1PGM	is supported	with the transition effects
PGM/PRV	is not supported	with the transition effects
1PGM	is not supported	without the transition effects (Cut mode)

3. Managing Channels



4. Managing Playlists

4.1. Overview of the Section

This section describes the basics actions which can be performed on playlists, i.e. information on the following topics:

Section
"Creating Playlists" on page 37
"Moving through Media" on page 49
"Modifying Playlist Information" on page 54
"Copying and Moving a Playlist" on page 55
"Deleting Playlists" on page 60
"Publishing Playlists" on page 64
"Transferring Media" on page 65
"Importing and Exporting the Playlist Definition" on page 70
"Generating Continuous TC Track" on page 92

4.2. Overview of Playlist Management Processes

4.2.1. Introduction

From IPDirector V5.8, you can include XT clips or files, or even virtual elements (playlist elements whose content is not yet available on the XNet or GigE network) in playlists. This brings much more variety in the way users can manage playlists in IPDirector.

This section gives you an overview on the possible ways to manage playlists in IPDirector, which mainly depends on:

- where the media to be added to the playlist is stored, and whether it is already available when the playlist is created.
- which use you will make of your playlist once it has been created.

4.2.2. Creating an On-line Playlist on an EVS Video Server

The requested clips are present on an EVS server.

The playlist to be created will be directly played, and possibly dumped to external drives or tapes.

#	Action	See section	
1.	Create an on-line playlist on a player channel, and define it as the default playlist.	"Creating Playlists" on page 37.	
2.	If necessary, retrim the requested clips and add them to the default playlist.	"Adding Elements to a Playlist" on page 72.	
3.	Play the playlist out.		
4.	If necessary, export the playlist to an archive system or to an external drive.	"Transferring Media" on page 65.	

4.2.3. Creating an Off-line Playlist from a Nearline Storage

The clips to be included in the playlist are present on a nearline storage (SAN, IPDrive,...), but not (all) on an EVS server.

The playlist to be created can be sent to a target for further editing on an NLE system (AVID, FCP, CE,...) and/or restored to the server when it has to be played out.

#	Action	See section
1.	Sort the files present on the nearline using the Software Player, and place them into a bin.	
2.	Create an off-line playlist on the Software Player, and define it as the default playlist.	"Creating Playlists" on page 37.
3.	Add the clips (files and possibly some XT clips) into the playlist.	"Adding Elements to a Playlist" on page 72.
4.	Select a player channel and restore the files on an online EVS server. OR Send the playlist (EDL + clips) to a target corresponding to the NLE system in which you need to further edit the playlist.	"Restoring a Playlist Element" on page 81. OR "Transferring Media" on page 65.



4.2.4. Creating a Playlist with Virtual Playlist Elements

In some production workflows, the playlist definition is based on a rundown managed by a Newsroom Computer System (NRCS). The playlist definition is thus automatically imported into IPDirector, whereas the clips themselves are not yet available on the XNet network or on the GigE network.

In other workflows, the playlists are created manually in IPDirector, but some clips will only be available on the XNet network or on the GigE network later on.

The playlist elements that are not yet available are created as virtual playlist elements in IPDirector. Once an element becomes available on the XNet Network, it is automatically associated and the virtual element disappears.

See section "Inserting Virtual Elements in a Playlist" on page 78 for more information.

4.3. Creating Playlists

4.3.1. Introduction

Playlists can be created on-line or off-line, depending on whether a channel is assigned to it or not.

- A playlist can be created on-line if a channel has been first assigned to the Playlist Panel. The system immediately puts the playlist on-line on that EVS server.
- An off-line playlist is a playlist created without associating it to a channel. You can browse and play an off-line playlist on the Software Player.

The off-line playlist can also be made on-line afterwards. See section "How to Make a Playlist On-Line" on page 39.



NOTE

When creating a playlist, different types of playlists can be defined: Normal, Fill or Key. The following sections refer to Normal playlists for specificities of Fill and Key playlists.

4.3.2. Off-Line and On-Line Playlists

A playlist is off-line when it has been created by IPDirector but no data has been sent to the XNet server network and it cannot be seen in that network, it can only be seen on IPDirector workstations. An off-line playlist only exists in the IPDirector database and has no LSM ID. It can be modified and can only be viewed through the Software Player, not on the EVS server output.

A playlist is on-line when it has become present on an EVS server. An on-line playlist will have a LSM ID associated to it, as the address of where the playlist resides on the server.

On-Line Playlists and Alternative Control Protocols

Once on-line, a playlist can be accessed using any other protocol that can control an EVS server. The user rights structure of IPDirector is not applicable to channels when they are not under the exclusive control of IPDirector. Any playlist with on-line status could therefore be on-air with any system controlling the channels of an EVS server. In this case, care must be taken when manipulating an on-line playlist.

Playlist Management in Case of a Disconnection to the EVS Server

In case an EVS server is disconnected from the XNet, all playlists which were on-line on that EVS server and which were present in a bin become off-line playlists. They are still kept in the IPDirector database.

When the EVS server is reconnected later, no link is re-created between the playlist present on the EVS server and the playlist present in the bins. In this case the playlist has to be given its on-line status manually again.

4.3.3. How to Create a New Playlist

You can create a new on-line or off-line playlist

from the Playlist Panel,

OR

· from the Database Explorer.

From the Playlist Panel

To create a new playlist from the Playlist Panel, proceed as follows:

- Open a Playlist Panel.
- 2. If requested, associate the Playlist Panel to the Software Player or to a player channel (for an on-line playlist).
- 3. Right-click the Playlist Name field.
- 4. Select **New Playlist** from the contextual menu.

The Create a New Playlist window is displayed. See section "Create a New Playlist Window" on page 40 for more details on this window.

- 5. Fill in a playlist name and any desired information.
- 6. Click the **OK** button or the **ENTER** key.

The playlist is created (on-line or off-line), but it is empty.



From the Database Explorer

To create a playlist from the Database Explorer, proceed as follows:

- 1. Open the Database Explorer and select the Playlists tree view.
- 2. Do one of the following:
 - Right-click the playlists list
 The Playlist contextual menu opens.

OR

- right-click the sub-branch (off-line or on-line > XT number) in the playlists tree view
 A contextual menu opens.
- 3. Select New Playlist from the contextual menu.

The Create a New Playlist window is displayed. See section "Create a New Playlist Window" on page 40 for more details on this window.

- 4. Fill in a playlist name and any desired information.
- 5. Click the **OK** button or the **ENTER** key.

The playlist is created (off-line or on-line), but it is empty.

4.3.4. How to Make a Playlist On-Line

There are several ways to make an off-line playlist become on-line:

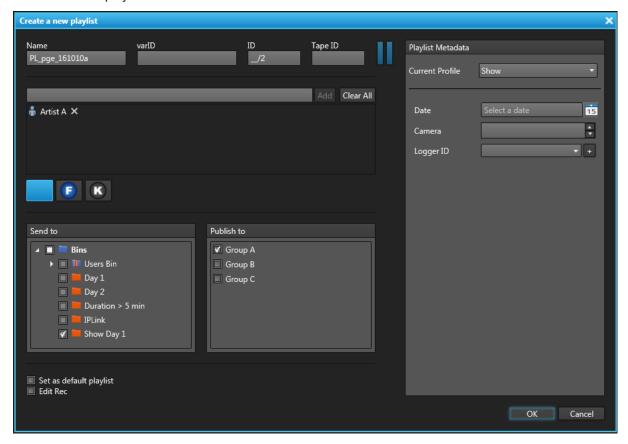
- Create or Load the off-line playlist on the Playlist Panel and then right-click the Player field and select a channel.
- Select a channel on the Playlist Panel first and then drag a playlist from the Database Explorer window onto the top part of the Playlist Panel. This action will remove any existing playlist previously loaded on the channel, replace it with the off-line playlist and make it on-line.

The playlist receives a LSM ID which appears in the **LSM ID** field of the Playlist Panel as well as in the **LSM ID** column of the Database Explorer.

4.3.5. Create a New Playlist Window

Window Overview

While creating a new playlist, the Create a New Playlist window will open. This window makes it possible to enter general and customer-defined data (called "metadata") for the playlist.



The New Playlist window is divided into two panes:

- The left pane contains the playlist information, i.e. playlist data in general.
 It is always displayed.
- The right pane contains the playlist metadata, i.e. playlist data based on customerdefined user fields.

It is displayed by clicking the right area in the **Pane Display** button



Fields in the Playlist Information Pane

The Playlist Information pane contains the following fields:

Name

User-defined name for the playlist. It can contain up to 24 alphanumeric characters. It is mandatory.

VarID

VarID is a 32-character ID with variable length and format. It is automatically assigned to a new playlist. It is mainly used to ensure redundancy on the system. It can be unique for a clip on the EVS server level or on the XNet network level, depending on EVS video server settings.

ID

ID identifying the playlist position in the XNet network. This numbering is based on the numbering of the LSM operational mode.

If you enter a requested position that is already used, the application will display an error message. You will have to enter a new position.

If you do not enter an ID, an ID is automatically assigned by the system.

Tape ID

This identifies the tape on which the playlist is stored.

Keywords

This area allows you to assign up to five keywords to a playlist to qualify its content. For more information on how to assign keywords to media, see the General Functions user manual.

Type buttons

The **Type** buttons allow you to assign a type to a playlist for use with Key and Fill operations.

The background of the button corresponding to the selected type is blue.

- · The left button is used for normal items. This is the default value.
- · The middle button is used for fill items.
- The right button is used for key items.



NOTE

If the playlist is created from a panel associated to a Fill (or Key channel), the Fill (or Key) type is automatically selected.

Send To

Destinations where the playlist can be transferred to.

Select the check boxes corresponding to the requested destinations.

Publish To

User groups to which the playlist can be published, i.e. made available.

Set as default playlist checkbox

When the checkbox is selected, the new playlist is defined as the default playlist.

Editrec Playlist

When the checkbox is ticked, the new playlist is created as an Editrec playlist, hence it is editable by a linear editing controller. See section "Creating an Editrec Playlist" on page 42 for more information.

Fields in the Playlist Metadata Pane

The Playlist Metadata pane contains the following fields:

Current Profile

Drop-down list from which the users with appropriate user rights can select the metadata profile to be associated with the playlist.

For users who do not have the right to choose a metadata profile, the profile set as default in the Metadata Profile Management window is automatically applied with its fields and default values.

For users who have the right to choose a metadata profile, the default profile will be displayed the first time each user create an item. Afterwards, each user who will have chosen another metadata profile at playlist creation will get this new current profile at creation of the next item.

Metadata Profile fields

Fields belonging to the metadata profile selected in the **Current Profile** field. The users can modify the values of the **Metadata Profile** fields, if they have appropriate user rights. The modifications will only apply to the given playlist and not impact the default values of the profile.

4.3.6. Creating an Editrec Playlist

Introduction

The EditRec is a server operating mode which emulates the VTR linear editing used in Linear Edit Suite. This mode needs to work with a specific playlist to simulate the VTR tape: a playlist with a black clip of 23h55m.

IPDirector can be used to create and finalize (close) this specific Playlist.

For more information about EditRec, refer to the EditRec manual.

Procedure

Proceed as follows to prepare an Editrec playlist in IPDirector.



NOTE

You need to launch an Editrec configuration on the associated EVS server.

 In the Playlist Panel, create a new playlist and tick Editrec Playlist check box in the Create a New Playlist window.

This creates a new "open" playlist that contains a black clip of 23h55m.

2. Load the playlist on one of the Editrec channels.

The users can then directly edit the playlist with a linear editing controller device.



3. When the playlist is finalized, close the playlist in IPDirector by clicking the E/E button.

This closes the playlist and removes the black clip extension at the beginning and end of the playlist (initially used for the Tape simulation). The playlist then becomes a standard LSM playlist.

4.4. Loading Media

4.4.1. Introduction

Opening a Playlist

Opening a playlist in the Playlist Panel consists of displaying all playlist information in the Playlist Panel, when no player is associated with it. All functions are unavailable with the exception of the **Player** field, the **LSM ID** field and the Playlist grid which can be accessed. Elements can be added, removed and re-ordered, transition types and durations can be modified but the playlist cannot be viewed or played.

Loading Media

The meaning of loading media is explained hereafter.

A record train, or train, corresponds to the media being recorded live from a camera and sent to an EVS video server through a recorder channel.

A recording ingest corresponds to the same media for which an IN point has been marked at a specific timecode to start the creation of a clip.

The action of associating a type of media with a player channel or with the Software Player is called "loading media".

The action of loading a playlist in the Playlist Panel implies that a player must have been associated with the Playlist Panel to be able to play the playlist.

When the selected player is a player channel:

- off-line playlists automatically become on-line on the EVS server of the controlled player channel.
- distant playlists are automatically copied to the EVS server of the controlled player channel.

When the selected player is the Software Player, off-line playlists remain off-line.

To be able to play the playlist with its transition effects, it must be loaded on a player channel supporting the "Mix on one channel" functionality or on the PGM channel of a PGM/PRV channel association. See section "Channel Modes for Playout with Transition Effects" on page 32 for more details.



NOTE

The current chapter only refers to Normal playlists. See <u>the General Functions</u> user manual for specificities of Fill and Key playlists.

See section "Possible Loading Actions" on page 44 for the list of the possible ways to load different types of media.

4.4.2. Possible Loading Actions

Various element types can be loaded in different ways.

These actions are listed in the next table.

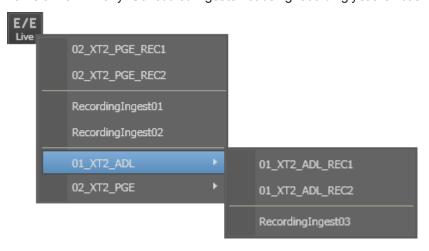
Action	See section
Train	
Loading a train by selecting a recorder channel from the Playlist Panel.	"How to Select a Train or a Recording Ingest from the Panel" on page 45.
Loading a train by selecting a recorder channel with the ShuttlePRO.	"How to Select a Train with the ShuttlePRO" on page 46.
Loading the last loaded train (only in case it was loaded just before the media currently loaded) at its currently recording timecode (E/E).	"How to Reload the Last Loaded Train or Recording Ingest" on page 45.
Recording Ingest	
Loading a recording ingest by selecting it from the Playlist Panel.	"How to Select a Train or a Recording Ingest from the Panel" on page 45.
Loading the last loaded recording ingest (only in case it was loaded just before the media currently loaded) at its currently recording timecode (E/E).	"How to Reload the Last Loaded Train or Recording Ingest" on page 45.
Playlist	
Loading a playlist by entering the Playlist Name or LSM ID	"How to Load a Playlist via the Playlist Name or LSM ID" on page 47.
Loading a playlist from the Database Explorer	"How to Load a Playlist from the Database Explorer" on page 47.
Loading the last loaded playlist	"How to Reload a Playlist" on page 48.
Playlist Element	
Loading any playlist element	"How to Reload a Playlist" on page 48.
Loading a playlist element on the Control Panel	"How to Load a Playlist Element onto the Control Panel" on page 49.



4.4.3. Loading a Train or a Recording Ingest

How to Select a Train or a Recording Ingest from the Panel

By right-clicking the **E/E** button a contextual menu shows the available EVS video servers with their recorder channels and the list of clips being currently ingested identified by their name or VarID if any. Scheduled ingests not being recording yet are not shown.



Selecting a recorder channel loads the corresponding train at its current recording position and plays it on the selected player.

Selecting a recording ingest directly loads it at its currently recording position (OUT point) and plays it on the selected player.



NOTE

If a recorder channel is connected to an OUT port of a video router, itself associated to an IN port, the name of the router IN port is displayed after the recorder channel name.

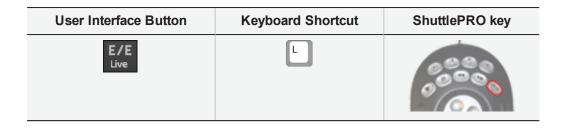
How to Reload the Last Loaded Train or Recording Ingest

If a playlist element is loaded on a player channel or on the Software Player, clicking the **E/E** button will unload it and load and play the last loaded media (record train or recording ingest) at its current recording position.



NOTE

In case the previously recording ingest is finished when the **E/E** button is clicked, the recorded clip is loaded on its IN point and stays in pause. If this clip has been deleted, nothing happens.



How to Select a Train with the ShuttlePRO

Prerequisite

The same player must have been associated to the Playlist Panel and selected from the ShuttlePRO.

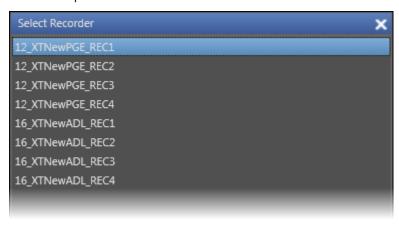
Procedure

To select a train with the ShuttlePRO,



1. Press the **Select Train** key

This calls up on the screen a list of available recorder channels:



- 2. By moving the jog dial you can move through the list to highlight the required train.
- 3. Press **Select Train** again to select it and exit the menu.

The selected train is loaded on the player channel controlled by the ShuttlePRO.



4.4.4. Loading a Playlist

How to Load a Playlist via the Playlist Name or LSM ID

You can open or load a playlist by entering its playlist name or LSM ID.

To do so, proceed as follows:

- Assign a player channel or the Software Player to the Playlist Panel if you want to load the playlist.
- 2. Do one of the following actions:
 - Enter the playlist name in the Playlist Name field. If the playlist name entered by the operator is found several times in the database, the last playlist created with that name in the database is considered.
 - Enter the playlist LSM ID in the Playlist LSM ID field

3. Press ENTER.

If a player has been assigned, the playlist will then be loaded on the IN point of the first element.

If another playlist had previously been loaded, this latter is replaced by the new one on the Playlist Panel.



TIP

When the users enter only two digits in the **LSM ID** field, e.g. "1" and "5", and press **ENTER**, the system automatically loads the local playlist if it exists.

How to Load a Playlist from the Database Explorer

To open or load a playlist on a channel from the Database Explorer, proceed as follows:

- 1. Assign a player channel or the Software Player to the Playlist Panel if you want to load the playlist.
- 2. Select the Bins or the Playlists view of the Database Explorer.
- 3. Select the requested playlist in the Elements grid.
- 4. Drag it to the top part (Loaded Media and Transport Functions Areas) of the Playlist Panel.



NOTE

Dragging it into the Playlist grid would insert the playlist into the previously loaded one.

If a player has been assigned, the playlist will then be loaded on the IN point of the first element.

If another playlist had previously been loaded in the Playlist Panel, this latter is replaced by the new one on the Playlist Panel.

How to Reload a Playlist

How to Cue up a Playlist on the First Element

The Recue function re-loads the playlist on the first frame of the first element.

When a playlist is loaded on a player channel or the Software Player, loading an element type (clip, train, growing clip) on the same channel will unload the playlist from the channel. However, it is still possible to load it again on the associated player.

It is possible to recue the playlist loaded in one of the following ways:

- double-click the first element of the playlist in the Playlist Panel.
- use the Recue function:

Operation	User Interface Button	Keyboard Shortcut
Recue	Recue	J

How to Cue on any Playlist Element

To cue up one particular element of the playlist, proceed in one of the following ways:

- double-click it on the Playlist Panel, if the Disable Double-Click on Playlist option has not been selected under Settings > Playlist > General
- · use one of the ShuttlePRO keys:

Operation	ShuttlePRO key
Previous Playlist Element (only in Edit mode)	00000
Next Playlist Element (In Edit or Play modes)	0000

The corresponding element will then be loaded. The playlist will cue up on the first frame of that element.



Limitation

To recue a playlist (on its first element) or a playlist element, the element to preload must have an IN point.

So, it will not be possible to recue a DELAY which has no IN point.

How to Load a Playlist Element onto the Control Panel

To load a playlist element onto the Control Panel, proceed as follows:

- 1. Open the Control Panel and assign a player to it.
- 2. Open the Playlist Panel and assign the same player to it.
- 3. Load a playlist on the Playlist Panel.
- 4. Drag an element from the playlist onto the **Loaded Media** field of the Control Panel.

The element will then be loaded on the Control Panel.

The **Player** field background turns blue in both the Control Panel and the Playlist Panel to highlight this situation.



4.5. Moving through Media

4.5.1. Introduction

The Transport Functions pane provides transport buttons to navigate in the loaded element. In addition, other options allow to directly jump to a given timecode within the media.

4.5.2. Transport Functions

Transport Buttons and Shortcuts

The following table gives the meaning of each transport operation which can be used with a loaded playlist. A button and/or a keyboard shortcut can be used to perform each action. The ShuttlePRO device has buttons dedicated to most of these functions as well.

Some of the transport functions can be triggered by a GPI to the EVS server.

Operation	User Interface Button	Keyboard Shortcut	ShuttlePRO key	Description
Play	▶ ↔	Р	00000	Starts to play the loaded media at 100% for normal clips, at 33% for "SLSM clips 3x" or at 50% for "SLSM clips 2x".
Pause	Field Or Frame		0990	Stops the playout of the loaded media. See section "Pause Button Contextual Menu" on page 52.
Play VAR	-	Ctrl P	CH +	Starts to play the loaded media at the speed set for VAR Play in the Tools > Settings > Control Panel > Speeds category.
Fast Rewind	-	W	0000	Starts moving backwards through the media.
Fast Forward	-	F	0000	Starts moving forward through the media.
Define Custom Speed	-	<u>`</u>	-	Allows to define a custom speed to play the loaded media. See section "Custom Speed" on page 53.
Goto IN	-	A	Ctrl +	Moves from the current position to the IN point of the loaded clip.



Operation	User Interface Button	Keyboard Shortcut	ShuttlePRO key	Description
Goto OUT	-	E	Ctrl +	Moves from the current position to the OUT point of the loaded clip.
Goto Previous Frame	-	-	(field by field)	Moves from the current position to the previous frame.
Goto Next Frame	-	-	(field by field)	Moves from the current position to the following frame.

Operation	User Interface Button	Keyboard Shortcut	ShuttlePRO key	Description
Exit Loop	GoTo Or	-	-	Quickly exits a partial loop. When elements are played within a loop and the operator uses the GOTO Element function, the system jumps on the selected element in the playlist, according to the selected Exit Loop mode, i.e. as soon as possible or when the OUT point of the current element is reached. See section "Exiting a Loop" on page 135.
Go to Element Timecode	•••	G	-	Opens the GoTo Element Timecode zone from which you can enter a defined timecode within the selected element to jump to. See section "How to Jump to a Given Timecode within a Playlist Element" on page 53.

Operation	User Interface Button	Keyboard Shortcut	ShuttlePRO key	Description
Preview Transition	PRV	T	-	Starts the playout before the element transition, for the duration of the pre-roll.

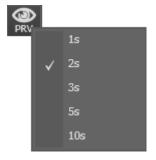
Operation	User Interface Button	Keyboard Shortcut	ShuttlePRO key	Description
Recue	Recue	J	-	Loads the playlist on the first frame of the first element. This button is not available if the playlist is on air.
Next Element	Next	N	-	If the playlist is playing: immediately loads the next element and plays according to its start mode and start effect. If the playlist is in PAUSE: jumps to the IN point of the next element of the playlist but the playlist remains paused.
Skip Element	▶ Skip	K	-	Skips the next element during the playout of the playlist so it will not play. If the button is clicked twice, the next 2 elements will be skipped, and so on. See section "Skipping an Element in the Playlist" on page 130.

Pause Button Contextual Menu

By default the pause is performed on a field. When you right-click the button, you can choose either the **Pause on frame** or the **Pause on field** modes from the contextual menu. The selected option will then be applied each time the user clicks the **Pause** button.

Preview Transition Contextual Menu

The users may select a pre-roll time to the transition by right-clicking the **Preview Transition** button and selecting a value from the list provided.

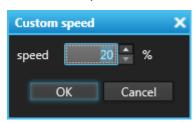




Custom Speed

A custom speed can be defined by means of the shortcut

The Custom Speed window allows you to enter a value.



This operation does not affect the default Fast Forward or Fast Rewind speed values.

4.5.3. How to Jump to a Given Timecode within a Playlist Element

To jump to a specific timecode within an element, proceed as follows:

- 1. Select a playlist element.
- 2. Click in the **GoTo Element Timecode** button
 OR
 press G key.

The GoTo Element Timecode zone is displayed.



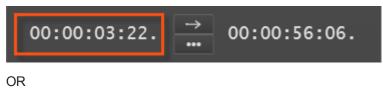
- 3. Enter the timecode value, corresponding to the point you want the system jumps to.
- 4. Press ENTER.

The system jumps to the defined timecode in the selected element.

4.5.4. How to Jump to a Remaining Time Value

From the **Time until Transition** field, it is possible to perform a jump to a defined time before the OUT point of a selected element. To do so, proceed as follows:

- 1. Select a playlist element.
- 2. Click in the Time Until Transition field



press R key

The value displayed is "00:00:00:00".

- 3. Enter the remaining time duration, corresponding to the point you want the system jumps to.
- 4. Press ENTER.

The system jumps to the timecode corresponding to the remaining time duration before the OUT point.

4.6. Modifying Playlist Information

4.6.1. Various Options

Modifying playlist information, such as name, tape ID, keywords, playlist type, sent to destinations, published to groups, metadata, is allowed either in the Playlist Panel, in the Clip-List tab of the Control Panel or in the Playlist tree view of the Database Explorer.

To modify playlist information via the Control Panel, refer to the section "Modifying Media Information" of the Control Panel chapter in part 5 of the user manual.

To modify playlist information via the Database Explorer, refer to the section Playlist Contextual Menu of the Database Explorer chapter in part 3 of the user manual.

4.6.2. How to Modify Playlist Information or Rename a Loaded Playlist

To modify playlist information via the Playlist Panel, proceed as follows:

- 1. Load the playlist in the Playlist Panel.
- 2. Right-click on the Playlist Name field.

The Playlist contextual menu opens.



3. Select **Edit/Rename** from the contextual menu.

The Edit a Playlist window is displayed.

- 4. Modify he information, e.g. name, keywords, Metadata.
- 5. Click the **OK** button.

The playlist is modified.



NOTE

See section <u>"Fill and Key Playlists" in the General Functions user manual</u> for information on Fill and Key playlists.

4.7. Copying or Moving Playlists and Playlist Elements

4.7.1. Copying and Moving a Playlist

Introduction

You can copy or move an off-line or on-line playlist. The copied or moved playlist can be off-line or on-line on an EVS server, whatever the status of the initial playlist.

Several ways of copying or moving a playlist are allowed:

- · from the Playlist contextual menu in the Playlist Panel, OR
- from the Playlist contextual menu in the Database Explorer.
- by drag-and-drop operation in the Database Explorer. Refer to part 3 of the user manual.

How to Copy or Move a Playlist

In the Playlist Panel, proceed as follows to copy or move the loaded playlist:

 When the playlist is loaded on the Playlist Panel, right-click the Transport Functions area.

The Playlist contextual menu is displayed.

2. Select Copy/Move Playlist in the contextual menu.

The Copy/Move Playlist window is displayed.



- To specify the destination, select one of the following:
 - to copy or move the playlist on-line, select the EVS server on which it should be put on-line. It is possible to specify the destination LSM ID.
 - to copy or move the playlist off-line, select "OFFLINE".
- 4. To specify the type of action, select one of the following:
 - to copy the playlist, select the Copy button.
 In this case, the initial playlist will be preserved in its original status and location.
 The copied playlist has the same name, and gets a new LSM ID (if on-line copy).
 - to move the playlist, select the **Move** button.
 - In this case, the initial playlist status and location will be modified according to the selected destination. The moved playlist has the same name, and gets a new LSM ID (if on-line move).

The initial playlist is moved or copied according to the action the user has performed.



NOTE

The **Create an off-line copy** option from the Playlist contextual menu corresponds to the same action as a copy to an "OFFLINE" destination in the Copy/Move window.



Overview of Possible Actions in the Copy/Move Window

The following table provides an overview on the possible copy and move actions, and specifies the consequences on the LSM ID and the VarID.

Initial Playlist	Сору	Move
On-line playlist	to off-line playlist: No LSM ID No VarID	to off-line playlist: This puts the playlist off-line. No LSM ID VarID kept
	to on-line playlist: New LSM ID New VarID	to on-line playlist: This moves the playlist. New LSM ID VarID kept
Off-line playlist	to off-line playlist: No LSM ID No VarID (except if it already exists)	to off-line playlist: This moves the playlist. No LSM ID No VarID (except if it already exists)
	to on-line playlist: LSM ID assigned New VarID	to on-line playlist: This puts the playlist on-line. LSM ID assigned VarID kept

4.7.2. Copying Playlist Elements Locally

How to Copy Playlist Elements Locally

When you want to make the playlist elements local before diffusing your on-line playlist, you can copy the playlist elements locally as follows;

1. When the on-line playlist is loaded on a player channel in the Playlist Panel, right-click the Transport Functions area.

The Playlist contextual menu is displayed.

- 2. Select **Copy clips locally** in the contextual menu, and then choose one of the following options:
 - Copy long (copy of the original clip, with its guardbands)
 - Copy short (copy of the playlist element, with guardbands as defined in the settings).

The clips corresponding to the playlist elements are automatically copied to the local EVS server, and their new LSM ID is displayed in the element list.

You can find more information on the consequences of the local copy in "Result of a Local Copy Process" on page 58.



NOTE

In case a playlist element is not on-line on an EVS server, the Copy Clips Locally option will result in restoring the clip on a server. See section "Restoring a Playlist Element" on page 81.

Result of a Local Copy Process

The local copy process leads to the following changes in the user interface:

- The Status icon of the playlist element changes from distant clip

 ON-LINE

 to local clip

 ON-LINE
- In case of a short copy, the VarID is regenerated.
- When the material is not yet on-line on the XNet network, the playlist element is automatically restored into a local clip.
- If the clip corresponding to the playlist element does not contain hi-res content, a message will inform the user that there is no material available to restore the element.



4.8. Marking a Playlist Element for Remaining Time Calculation

Context of Use

A playlist element can be marked, so the remaining time before this element starts is available:

- A small arrow icon is displayed in a new column, to the left of the Playlist grid, next to the marked element.
- A new field is displayed in the Transport Functions area of the Playlist Panel.



Limitations

- The playlist must be on-line on a server player channel.
- Only one element can be marked.

How to Mark a Playlist Element

- 1. Select the element you want to mark.
- 2. Do one of the following actions:
 - Press M
 - Right-click the element and select Mark for remaining time from the contextual menu.

How to Unmark a Playlist Element

- Select the marked element.
- 2. Do one of the following actions:
 - Press M
 - Right-click the element and select **Unmark for remaining time** from the contextual menu.

4.9. Deleting Playlists

4.9.1. Various Options

Deleting playlist is allowed either in the Playlist Panel, in the Clip-List tab of the Control Panel or in the Playlist tree view of the Database Explorer. Refer to the section "Playlist Contextual Menu" of each chapter for more information.

4.9.2. How to Delete an Off-Line Playlist

To delete an off-line playlist from the Playlist Panel, proceed as follows:

- Right-click the Loaded Media and Transport Functions Panes.
 The Playlist contextual menu is displayed.
- 2. Select Delete Playlist.

A confirmation message is displayed.

3. Confirm the operation.

The playlist is deleted from the IPD database and from all bins in which it was included.

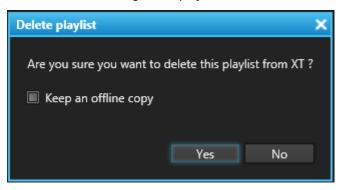


4.9.3. How to Delete an On-Line Playlist

To delete an on-line playlist from the Playlist Panel, proceed as follows:

- 1. If the playlist is loaded on a channel, it cannot be deleted. Click the unload the playlist.
- Right-click the Loaded Media and Transport Functions Panes.
 The Playlist contextual menu is displayed.
- 3. Select Delete Playlist.

A confirmation message is displayed.



- 4. Indicate whether you want to keep an off-line copy.
- 5. Confirm the operation.

If you asked to keep an off-line copy, the playlist is deleted from the EVS server but is kept off-line in the IPD database. It is not removed from bins.

If you did not ask to keep an off-line copy, the playlist is deleted from the IPD database and from all bins in which it was included.

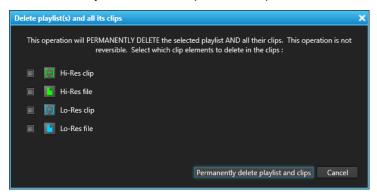
4.9.4. How to Delete a Playlist and its Clips

It is possible to permanently delete a playlist and all the clips corresponding to the playlist elements, provided that they are not inserted into another playlist. The option is only available when the playlist is not loaded on a player channel.

To do so, proceed as follows:

- Right-click the Loaded Media and Transport Functions Panes.
 The Playlist contextual menu is displayed.
- 2. Select Delete Playlist and Clips.

The Delete Playlist and all its Clips window opens:



- 3. Select the element types you want to delete.
- 4. Click Permanently Delete Playlist and Clips.

4.9.5. How to Delete Unused Playlists

You have the possibility to delete all unused playlists or a selection of unused playlists on the XNet network.

To delete unused playlists, proceed as follows:

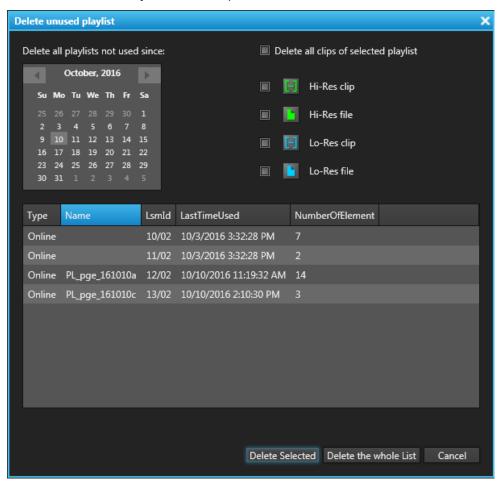
1. Right-click the Loaded Media and Transport Functions Pane.

The Playlist contextual menu is displayed.



2. Select **Delete Unused Playlists** from the contextual menu.

The Delete Unused Playlists window opens:



- Select the reference date from which you want the unused playlists to be searched for.
 All playlists on the XNet network which have not been used after the specified date will be displayed in the window.
- 4. If you want to delete the clips corresponding to the playlist elements, select the **Delete all clips of selected playlist** option and select the element types you want to delete from the clips.
- 5. To select the playlists to delete, do one of the following:
 - If you want to delete all the playlists, click the **Delete the Whole List** button.
 - If you want to delete some of the retrieved playlists, select them with CTRL (or SHIFT) and click the Delete Selected button.

If you no longer want to delete unused playlists, click the Cancel button.

The playlists are deleted from the XNet network.

4.10. Publishing Playlists

Context of Use

Publishing a playlist makes it visible to members of the group(s) it is published to.

A playlist can be published at creation, from the Create a Playlist window, or afterwards from the Control Panel, the Playlist Panel or from the Database Explorer.

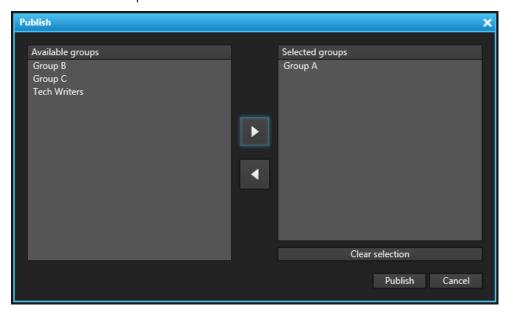
See also sections "Create a New Playlist Window" on page 40 and the "Publishing" sections in the Database Explorer user manual and in the Control Panel user manual.

How to Publish a Playlist to a User Group

To publish a playlist opened or loaded on a Playlist Panel to groups of users,

- 1. Right-click the Channel Media and Transport Functions pane.
- 2. Select **Publish** from the contextual menu.

The Publish window opens.



- 3. Select the user group(s) to which you want to publish the playlist in the Available Groups area on the left. Keep **CTRL** pressed to select multiple groups.
- 4. Click the **Right Arrow** button to move the selected user groups from the Available Groups to the Selected Groups area on the right.
- 5. Click the **Publish** button.

All users belonging to the selected user groups and having visibility rights on the playlists will be able to view it.

To un-publish a playlist to a group of users, repeat steps above and perform the opposite operation: select the user group in the Selected Groups area and click the **Left Arrow** button.



4.11. Transferring Media

4.11.1. Sending Media to Locations and Backing Media up to Nearline

Possible Transfer Destinations

Sending Media to Locations

IPDirector gives full flexibility to directly send A/V files to third party systems (i.e. NLE systems) and storage paths.

Sending media to predefined targets, such as third party systems or file archive targets, will be performed with the **Send to** command. The available targets are the targets set from the Remote Installer and the Xsquare targets set from Xsquare.

The possible destinations to transfer playlists are listed hereafter.

- the user's default bin, if any
 See section "Bin Contextual Menu" in the Database Explorer user manual.
- XT targets

The EVS servers for which the user has visibility right.

- Third party systems (CleanEdit, Avid, FCP)
- · File archive targets

See section "Managing File Archive Targets" on page 66



NOTE - VISIBILITY OF XSQUARE TARGETS

Xsquare targets are visible provided that

- the Xsquare has been declared in the Remote Installer and that it can be reached
- the user logged into IPDirector has an Xsquare account with the same access codes (login and password) in both applications.
- targets have been published to that user in Xsquare (or target visibility for that user is set to AII).

Backing Media up to Nearline

Sending media to nearline storage will be performed with the **Backup to Nearline** command from the contextual menu. This is used to store or back up A/V material to a nearline folder, visible on the GigE network, that has been defined in the Remote Installer. Users can access the A/V material of nearline folders in IPDirector, or restore it on an EVS server.



WARNING

Refer to the IPDirector Remote Installer Technical Reference manual for more information on the configuration of targets and nearline folders and to the Xsquare user manual for the configuration of Xsquare targets.

Transfer Types

There are different ways to transfer a playlist to a target or nearline. This is set when defining the target or nearline in the Remote Installer, and cannot be modified from IPDirector.

The possible transfer types are briefly described below. All transfer types are possible with nearlines. However, the supported transfer types to a target depend on the target itself.

Transfer Type	Description
EDL and clips	Creation of an EDL file (XML format) that describes the playlist and backup of each clip used in the playlist. This option is not available for transfer to Avid with Transfer Manager.
EDL and flatten file	Creation of an EDL file (XML format) that describes the playlist and of a consolidated file that represents the A/V result of the playlist, with the defined A/V effects. This option is not available for transfer to Avid or FCP.
EDL only	Creation of an EDL file (XML format) that describes the playlist. This option is not available for transfer to Avid with Transfer Manager. It is not supported for transfer to FCP, for transfer to CE or for transfer to Avid (web services or standalone).
Flatten file only	Creation of a consolidated file that represents the A/V result of the playlist, with the defined A/V effects. This option is not available for transfer to Avid with Transfer Manager.

Managing File Archive Targets

Introduction

File archive targets are usually created in advance. However, the **Send To > Add File Archive Target** option allows users to create file archive targets from the IPDirector interface.

All the file archive targets are displayed in the Send to sub-menu. Their names are user-definable. The **Send to** option is available from thethe Playlist contextual menu.



How to Add a File Archive Target

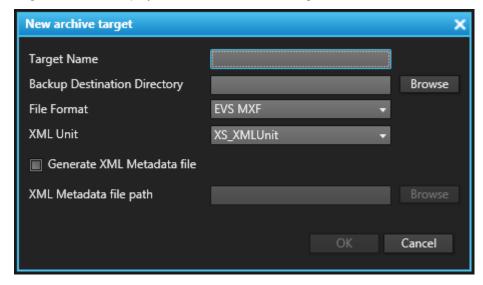
To add a file archive target to the list, proceed as follows:

- 1. Right-click the Playlist Name field.
- Select the Send To > Add File Archive Target from the contextual menu.
 The New Archive Target window opens.
- 3. Fill in the fields in the New Archive Target window.
- 4. Click OK.

The new file archive target is added to the list of destination targets in the contextual menu.

New Archive Target Window

The New Archive Target window makes it possible to add a new destination or archive target. The fields displayed on the New Archive Target Window are described below:



Field	Description
Target Name	The name of the target as it will appear in the contextual menu, and in the Remote Installer.
Backup Destination Directory	The destination folder where the file will be sent. Be sure this directory is shared with full control access.
File Format	The file format. It can be EVS MXF, OP1A MXF XDCAM, QuickTime Movie, or QuickTime Reference, Avid MXF OPAtom, DV-DIFF, OP1A MXF SMPTE, BWAVE.
XML Unit	Drop-down list with the available XML Units, as defined in the Remote Installer, which could manage all the files sent to the destination target.

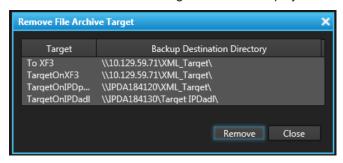
Field	Description
Generate XML Metadata file	When this check-box is selected, an XML file with the metadata of the clips backed up is generated. This file is created at the same time as the backup file for all media file formats. In the EVS MXF format, the metadata is included in the media file itself.
XML Metadata file path	The destination folder where the XML Metadata file will be stored.

How to Remove a File Archive Target

To Remove a file archive target from the list, proceed as follows:

- 1. Right-click the Playlist Name field.
- 2. Select **Send To > Remove Archive Target** from the contextual menu.

The Remove File Archive Target window is displayed.



- 3. Select a target from the list.
- 4. Click the Remove button.
- 5. Click **Yes** to confirm the operation.

The archive target does not appear in the Send to contextual menu any more.

4.11.2. Monitoring the Transfer Status

Context of Use

Transfers of media items can be monitored from the Transfer Monitoring area.

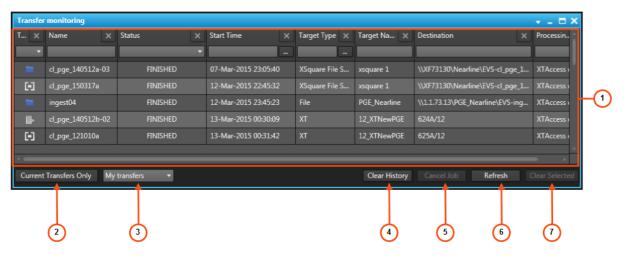
This includes the following jobs: Send to targets, backup to nearline, restore to XT, copy by GigE, archive (clips), restore from archive (files).

Information on the transfer status is available

- The Transfer Monitoring window is accessed by clicking the **Transfer Monitoring** option of the main window Tools menu.
- The Transfer Monitoring area can be displayed in the Database Explorer by selecting the Transfer Monitoring option from the Database Explorer Tools menu.



Overview of the Transfer Monitoring Area



The table below describes the various parts of the Transfer Monitoring area:

Part	Name	Description
1.	Transfer Jobs grid	Transfer jobs are presented in rows and all their associated parameters and metadata are in columns.
2. Current Transfer Only button		This button gives access to the list of transfers currently in progress and scheduled. Its background is colored when it is enabled:
		Current Transfers Only
		To go back to the list of all the transfers, click the Current Transfers Only button again.
3.	My Transfers / All Transfers option list button	My Transfers: this option only shows the transfers initiated by the logged user. All Transfers: this option shows all the transfers initiated by all the users. It is only available for administrators / media managers or users with appropriate user rights.
4.	Clear History button	This button removes all the transfers jobs from the list.
5.	Cancel Job button	This button cancels the selected transfer job. It is available for transfers currently in progress.
6.	Refresh button	This button allows users to manually refresh the view at a point in time. Otherwise, the system automatically refreshes the view.
7.	Clear Selected button	This button removes the selected transfer job from the list.

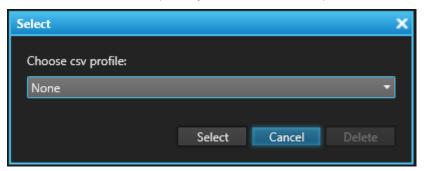
4.12. Importing and Exporting the Playlist Definition

4.12.1. How to Export the Playlist Definition

You can export the playlist definition (EDL) in .xml or .csv formats from the Playlist Panel.

To export the information related to a playlist open in a Playlist Panel, proceed as follows:

- Right-click the Channel Media and Transport Functions Pane.
 The Playlist contextual menu is displayed.
- Select Export from the contextual menu.The Export Playlist window opens.
- 3. Select the directory you want to export the playlist to.
- 4. Select the format for the playlist in the **Save as type** drop-down list.
- 5. When you select the .csv format, the Choose csv Profile window opens. In this case, select the file profile you want to use for export:



- 6. Click Select.
- 7. In the Export Playlist window, click the **Save** button.

The playlist definition is exported to a file with the requested format to the requested folder. By default, the file name is the name of the playlist in IPDirector, except if you have modified it in the Export Playlist window.

4.12.2. Exported Information

Jump on time and start on time information

 Any jump on time and start on time information present in the playlist is exported in XML format as well.



Associated Keywords

- When a playlist is exported in CSV or XML format, the keywords associated to the clips appear in the CSV file in the order they have been assigned to clips by the operator.
- If the playlist is exported with logs, the keywords associated to the logs appear in the CSV or XML file in the order they have been entered by the logger.

4.12.3. How to Import the Playlist Definition

You can import the playlist definition (EDL) from an .xml file into the Playlist Panel.



NOTE

The playlist is imported as an off-line playlist if no controlled channel is associated in the Playlist Panel.

The playlist is imported as an on-line playlist if a controlled channel is associated in the Playlist Panel.

To import the playlist definition, proceed as follows:

- Right-click the Channel Media and Transport Functions Pane.
 - The Playlist contextual menu is displayed.
- 2. Select **Import** from the contextual menu.
 - The Import Playlists window opens.
- 3. In this window, select the file that contains the playlist to import.
- 4. Click Open.

The playlist is imported and is directly opened in the Playlist Panel.



NOTE

If the user imports a playlist to the IPDirector system and the clips for the playlist are not currently present on the network, the clips appear as "MISSING" in the playlist.

5. Editing Playlists

5.1. Overview of the Section

This section provides information on the following topics:

Section
"Adding Elements to a Playlist" on page 72
"Moving Elements within a Playlist" on page 83
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"Inserting Comments into a Playlist" on page 96

5.2. Context of Use

Changes and modifications to the playlist can be directly made in the Playlist Panel. This is only allowed when the element is not currently being played out or it is not the next item to be played out, as defined by the elements highlighted in green in the list.

cycling03	► PLAYING	00:00:06:12	100 %
Dive_04	▼ CUED	00:00:20:23	100 %
swimmimg_02_sc_01	▼ ON-LINE	00:00:03:09	100 %
fencing_01	V ON-LINE	00:00:17:08	50 %

In the screenshot above, the event on-air is highlighted in dark green; and the next event to air in light green. These are only default colors and can be modified using the **Playlist > Playlist / General** settings of the Tools menu. See section "General Settings" on page 156 for more information.

5.3. Adding Elements to a Playlist

5.3.1. Possible Operations

Several kinds of elements can be added to a playlist, which are: clips, trains, bins, playlists, growing clips, protect media (clips associated to logs).



Depending on the element to be added, different methods can be used to add it to the playlist:

- Drag-and-drop operation into the playlist grid
- Drag-and-drop operation on the Append zone of the Playlist Panel
- Use of the Append button in the Control Panel
- · Send to Default Playlist option from the contextual menu in Database Explorer
- Insert LIVE or DELAY option from the Playlist Element contextual menu

The table below summarizes all the possibilities:

	Clip	Growing clip	Train	Playlist	Bin	Clip associated to log
Drag-and-drop operation:						
From Database Explorer	V	V	V	V	√*	√
From Loaded Media list in Control Panel	1	√	V			√
From Last Clips Created list in Control Panel	1	√				√
From Clip-List in other Control Panel	1	√	V	√	V	√
From playlist grid in other Playlist Panel	1	√	V	V	V	√
From Associated Clips in IPLogger						√
APPEND CLIP button in Control Panel	1	√	V			√
Send to Default Playlist option	1	√				√
Insert LIVE or DELAY option			V			
Drag-and-drop operation onto the Append zone	1	V		√		

^{*:} only for drag-and-drop operation onto the playlist grid, not onto the Append zone.

The different procedures are described in this section of the manual.

5.3.2. Rules for Drag-and-Drop Operations

The following rules apply for drag-and-drop operations:

- The user can drag a clip from the Database Explorer or a Control Panel to an on-line or off-line playlist, whatever the clip elements included in the clip.
- If the user drops a clip that only contains a file to an on-line playlist, IPDirector will suggest the user to restore the file onto an EVS server.

If the user drops a clip that only contains a file to an off-line playlist, IPDirector will only suggest the user to restore the file when the playlist will be set on-line.

5.3.3. Limitations with Inserting or Appending a Train

- When a train is added to a playlist using a drag-and-drop operation or the APPEND button, it is inserted in the playlist as a DELAY of 2 seconds with an undefined OUT point. This is because of a delay when playing a record train from another EVS server which cannot be played LIVE, so all trains are treated the same for this operation.
- 2. A train inserted or appended into a playlist will be stopped only manually when played out.

5.3.4. How to Insert an Element by a Drag-and-Drop Operation into the Playlist Grid

An element can be inserted into the playlist by a drag and drop operation. Proceed as follows:

- 1. Select the element you want to insert in the playlist by clicking it in one of the places listed in "Possible Operations" on page 72.
- Drag it onto the playlist grid at the position where you want to insert the element. The drop position is displayed by a black thicker line in-between the elements where the element will be inserted.

The element is inserted before or after the selected element in the list depending on the "Insert mode in playlist" parameter of the **Tools > Settings > Playlist > Playlist / General** category. See section "General Settings" on page 156 for more information.

5.3.5. Rules when Inserting a Playlist in Another One

When a Playlist 2 is inserted into a playlist 1, it is inserted as a group:

- If the playlist 2 is inserted inside a group of the playlist 1, the elements of playlist 2 are inserted at the drop position and the group is extended.
- If the playlist 2 is inserted outside any group in playlist 1, playlist 2 elements are inserted as a group at the drop position in playlist 1.



NOTE

If the dropped playlist initially contained some groups, they are not kept when it is inserted in the other playlist.



5.3.6. Appending an Element at the End of a Playlist

Dragging the Element onto the Append Zone

An element can be appended at the end of a playlist by dragging it onto the Append zone of the Playlist Panel. To do so, proceed as follows:

- 1. Select the element you want to append to the playlist by clicking it in one of the places listed in "Possible Operations" on page 72.
- 2. Drag it onto the Append zone of the Playlist Panel. A "+" sign during the drag-and-drop operation indicates a valid operation.

The element is inserted at the end of the playlist.

Using the APPEND CLIP Button of the Control Panel

An element can be appended at the end of a playlist by using the **APPEND CLIP** button of the Control Panel. To do so, proceed as follows:

- Select the playlist you want to send the element to.
 Right-click on the Playlist Name field and select Set as Default playlist from the
- 2. In the Control Panel, load the clip, growing clip or train you want to append to the playlist.
- 3. Click the APPEND CLIP button.



contextual menu.

The element is inserted at the end of the playlist.

Sending to the Default Playlist

A clip or a growing clip can be appended at the end of a playlist by using the **Send to** option of the Database Explorer. To do so, proceed as follows:

- Select the playlist you want to send the element to.
 - Right-click the **Playlist Name** field and select **Set as Default playlist** from the contextual menu.
- 2. In the Database Explorer, select the clip or growing clip you want to append to the playlist.
- 3. Right-click the element and select **Send to default playlist** in the contextual menu.

The element is inserted at the end of the playlist.



NOTE

In both cases (insert or append) the element will take the default values defined for a transition in the **Tools > Settings > Playlist > Playlist / Default Transition** category. See section "Default Transition Settings" on page 159 for more information.

5.3.7. How to Insert a Live or Delayed Record Train

It is possible to insert a live or delayed record train into a playlist by using the Playlist Element contextual menu. Train boundaries can either be defined or calculated. The output boundary can even be unknown.

To do so in a playlist open in a Playlist Panel, proceed as follows:

Right-click an element.
 The Playlist Element contextual menu is displayed.

2. Select Insert LIVE or DELAY from the menu.

The Insert LIVE or DELAY window opens:



See section "Insert LIVE or DELAY Window" on page 77 for a description of the fields.

- 3. Select the train in the From Which Feed field.
- 4. In the IN zone, define the IN point of the inserted train in one of the following ways:
 - select the **Delay** radio button and enter a delay value
 - select the **T/C IN** radio button and enter a timecode value.



- 5. In the OUT zone, define the OUT point of the inserted train in one of the following ways:
 - select the **Unknown** radio button.
 - select the T/C OUT radio button and enter a timecode value
 - select the **Duration** radio button and enter a duration value
- 6. Click the **OK** button.

The element is inserted in the list before or after the selected element (depending on the "Insert mode in playlist" parameter of the **Tools > Settings > Playlist > Playlist / General** category. See section "General Settings" on page 156.

5.3.8. Insert LIVE or DELAY Window

While inserting a train via the **Insert LIVE or DELAY** option of the Playlist Element contextual menu, the Insert LIVE or DELAY window will open. This window makes it possible to define an IN point and an OUT point for the train which will be inserted into the playlist.

The window contains the following zones:

Field	Description
From Which Feed?	The drop-down list displays all trains available on the XNet network. If the corresponding recorder has a defined name, this name is displayed in the list otherwise its EVS technical name is displayed (i.e.: 29_XT1_REC1).
IN Zone	In this zone, the IN point of the inserted train can be defined. It can either be based on a calculation when a delay is specified be a fixed T/C value
IN Zone - Delay	This defines the delay which is applied to the selected element when the element is on air within the playlist. If the delay value exceeds the train remaining capacity, a warning message will be displayed. The value entered by the operator is still accepted, as the capacity could be made available before the element is on air, by removing some clips stored on the selected server.
IN Zone - T/C IN	This defines the timecode from which the train will be played on. If the T/C value is greater than the on-air T/C of the element, a warning message will be displayed.
OUT Zone	In this zone, the OUT point of the inserted train can be defined. It can have one of the following values: unknown a fixed T/C value a value calculated based on a duration from the IN point
OUT Zone – Unknown	The OUT point of the element is not known, it is an open end element. The element will be played out with the defined delay until an OUT point is entered.

Field	Description
OUT Zone - T/C OUT	This defines the timecode until which the train will be played on. If the T/C value is greater than the on-air T/C of the element, a warning message will be displayed.
OUT Zone - Duration	This defines the duration for the element to be inserted in the playlist.

5.4. Inserting Virtual Elements in a Playlist

5.4.1. Introduction

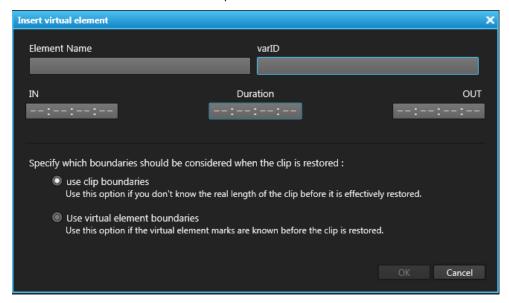
You can insert manually a virtual element in the playlist. This makes sense when you already need to have your full playlist run order, but the media corresponding to a playlist element is not yet available on the XNet network (still in post-production or not yet being restored from the archive, for example).

5.4.2. How to Insert a Virtual Element in a Playlist

To insert a virtual element in a playlist, proceed as follows:

- In the Playlist Panel, select the playlist element before or after which you want to add a virtual element (depending on the Insert Mode in Playlist setting).
- 2. Right-click and select **Insert virtual element** from the contextual menu.

The Insert a virtual element window opens:



3. Specify the VarID.



4. Do one of the following:

- If you do not precisely know the TC IN and TC OUT of the clip that will replace the virtual element, tick the **Use clip boundaries** option and type the TC IN and TC OUT, if you want to get an estimation of the playlist duration.
- If you know the TC IN and TC OUT of the clip that will replace the virtual element, tick the Use virtual element boundaries option and type TC IN and TC OUT values as closed as possible to the clip TC IN and TC OUT values, as far as the virtual element values are included in the clip duration.

5. Click OK.

A virtual element has been added to the playlist. When the clip with the same ID will be made available on the XNet network or on an on-line nearline, this clip will automatically be matched to the virtual elements on playlists.

If you need to modify information on the virtual element, select the element in the playlist, right-click and select **Modify virtual element** from the contextual menu.



NOTE

A virtual element is considered as a normal playlist element. Consequently all operations allowed on playlist elements are also allowed on virtual elements.

5.4.3. Playing out or Playing Back a Playlist with Virtual Elements

Playout on a Player Channel

When a playlist still containing virtual elements is being played out on a Player channel, the virtual elements will be skipped in the playout.

Playback on the Software Player

When a playlist containing virtual elements is being played on the Software Player, the latter will try to play all elements. Consequently, the playback will stop on a virtual playlist element and the video display will show an image with the "virtual element" comment. To continue the playback, you need to manually cue and play the next element.

5.4.4. Replace Process of Virtual Playlist Elements

Whether the playlist is on-line or off-line, the system will check for a clip element with the same ID as the virtual element. If a clip element with the same ID is found, it will replace the virtual element.



NOTE

The ID refers to the VarID or element ID, depending on the type of ID group defined in the Remote Installer. For more information, refer to the IPDirector Technical Reference manual.

In the replace process:

- The system selects the physical clip element that will replace the virtual element, applying the priorities defined in the table below.
- The clip element that replaces the virtual element is not automatically restored, if it needs to. The users themselves decide whether to restore or not the elements on an EVS server.

#	Element Type	Off-line Playlist	On-line Playlist	
1.	Local XT clip on-line	Automatic replacement		
2.	Distant XT clip on-line (in same ID group as local EVS server)	Element automatically available on- line		
3.	Local XT clip off-line	 Automatic replace Element automatically available online when the EVS server becomes on-line. Automatic replace The user can restore the clip element 		
4.	Distant XT clip off-line (in same ID group as local EVS server)			
5.	Nearline file on-line			
6.	Nearline file off-line	via Restore ele menu.	m. in the contextual	



NOTE

In hi-res and lo-res setups, hi-res elements will always have priority on lo-res elements.

5.4.5. Matching Data of Virtual Elements with Replaced Elements

Element Boundaries

When the physical clip replaced the virtual element in the playlist, the virtual element's boundaries are:

- recalculated to match the boundaries of the restored clip, if the Use clip boundaries
 option was selected.
- preserved if the Use virtual element boundaries option was selected.

Virtual Element Name and Clip Name

When only the virtual element name or clip name is defined, the available name is applied to the non-attributed name.

When both virtual element name and clip name are defined, the clip name overwrites the virtual element name.



5.5. Restoring a Playlist Element

5.5.1. Introduction

A playlist element whose corresponding clip does not contain an XT clip has to be restored onto an EVS server if the user wants to play it out on a player channel.

During the restore process, a progress bar is displayed in the **Status** column of the playlist element to monitor the restore process:



Two types of restore are available: full or partial restore. See section "Restore Options" on page 81.

Depending on the situation, IPDirector suggests restoring the playlist elements or you launch the restore process manually. See section "Restore Processes" on page 82.

5.5.2. Restore Options

Three Restore options are available:

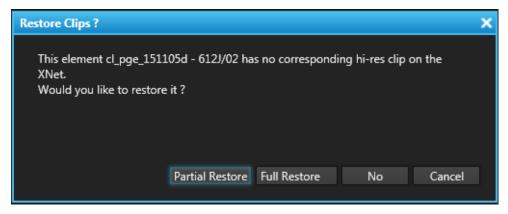
Option	Description
Partial Restore	In a partial restore, the clip containing the file to be restored remains unchanged. A new clip is created and contains a file and an XT clip, on the selected EVS server. This XT clip replaces the virtual element in the playlist.
Full Restore	In a full restore, an XT clip is created on the selected EVS server, and added to the clip that contains the file to be restored. In other words, no new clip is created in the IPDirector database.
No (Restore)	No restore is performed and the element remains unavailable on the XNet network.

5.5.3. Restore Processes

Restoring Clips via the Restore Clips Message

IPDirector suggests restoring playlist elements, displaying the following message when:

- You insert a clip that only contains a hi-res file in an on-line playlist.
- You put on-line a playlist that contains clips not available on the XNet network.





NOTE

IPDirector automatically restores playlist elements with status "MISSING" (if hires content is available in the corresponding clip) when the user selects the **Copy clips locally** option in an on-line playlist.

Restoring Clips Manually

You can restore manually a playlist element as described below if:

- You have not restored a playlist element when the playlist was put on-line.
- You want to restore playlist elements on off-line playlist.

To restore clips manually, proceed as follows:

 Right-click the playlist element to restore and select Restore Elem. in the contextual menu, and Partial Restore or Full Restore.

The Make a Playlist Online window is displayed in case the playlist is off-line.

- 2. In this window, select the EVS server on which you want to restore the playlist element as an XT clip.
- 3. Click OK.

The restored playlist element is now available on an EVS server and its status changes from MISSING to ON-LINE or ON-LINE, depending on the EVS server on which the element has been restored.



5.5.4. Restoring Super Slo-Mo Clips

Restoring a super slow motion (SLSM) clip will preserve the super slo-mo speed if the **Insert SLSM Clips at Slo-mo Speed** setting has previously been selected.

5.6. Moving Elements within a Playlist

Possible Operations

Playlist elements can be moved within the playlist in one of the three following ways:

- A drag-and-drop operation within the Playlist Panel
- · A drag-and-drop operation within the Clip-List of the Control Panel
- Cut/Copy/Paste operations using the Windows shortcut keys (CTRL+X, CTRL+C and CTRL+V)
- Cut/Copy/Paste options in the Clip contextual menu of the Clip-List tab in the Control Panel. Refer to Control Panel chapter in part 5 of the user manual.

How to Move Elements in a Playlist by a Drag-and-Drop Operation

In the playlist open in the Playlist Panel, proceed as follows:

 Select one or more elements within the list (this could be a playlist element, group or comment)

Use CTRL + click or SHIFT + click for a multiselection.

Drag it/them at the position where you want to move. During the drag and drop operation, a black line will be displayed between the positions where the elements will be dropped in order to highlight the drop position.

5.7. Ordering Playlist Elements by Timecode

Introduction

Elements can be ordered in the playlist according to their TC IN. Actually, they are ordered according to their creation date and the timecode of their IN point.

In case several playlist elements have the same creation date and TC IN, they will be ordered by TC IN, then by server number, then by recorder number.

This operation can be useful when a great number of clips are archived into a single file (melt). So, the elements are archived in the melt according to a chronological order.

Limitations

The **Order by TC** option is subject to the following limitations.

- Users must have the right to modify playlists.
- · The option is not available for on-line playlists
- The option is not available when the playlist plays.
- Other operations cannot be performed when the elements are being ordered.
- The operation cannot be performed, and a warning message is displayed, if the playlist contains one of the following elements: group, loop, comment, black clip, virtual element, live train.

How to Order Playlist Elements by Timecode

To order the playlist elements according to their TC IN, in the playlist open in the Playlist Panel, proceed as follows:

- 1. Right-click the Playlist Name field.
- 2. Select Order by TC from the contextual menu.

Playlist elements are ordered by creation date, TC IN, server name and recorder name.

5.8. Removing Elements from a Playlist

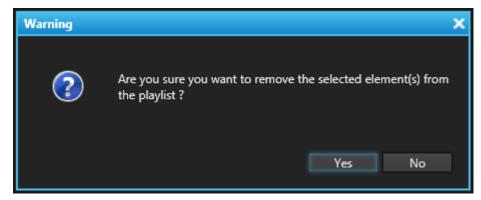
To remove a selected element or elements from the playlist, proceed as follows:

- 1. Select the element you want to remove.
 - Use CTRL or SHIFT for a multiselection.
- 2. Right-click one of the selected element.
 - The Playlist Element contextual menu is displayed.
- 3. Select Remove element OR
 - Click **DELETE** on the keyboard.

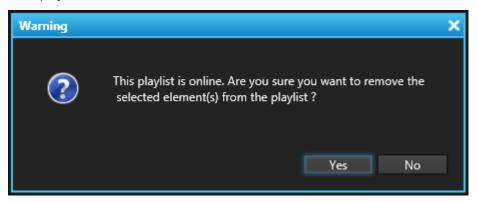
A confirmation message will be displayed depending on the status of the playlist being edited.



If the playlist is off-line:



If the playlist is on-line:



4. Confirm the operation.

The element(s) will be removed from the playlist unless the playlist is on air.



NOTE

If a group is part of the selection or if the group title line is selected, all the elements of the group will be removed. A playlist inserted in another playlist behaves as a group.



WARNING

If a clip is present in a playlist and you delete it from the Database Explorer, using the Delete option, the corresponding playlist element

- will be deleted as well if the playlist is on-line
- will be replaced by a virtual element if the playlist is off-line and no corresponding clip element is still present
- will be replaced by the file corresponding to the deleted XT clip if the playlist is off-line and a file is still present.

For a comprehensive description of the Delete Clip option, refer to section "Deleting a Clip" in part 3 "Browsing" of the user manual.

5.9. Modifying a Playlist Element

5.9.1. Renaming a Playlist Element

Introduction

When a clip is added to a playlist, the clip name is displayed in the **Clip Name** column and is used as the playlist element name, in the **Element Name** column.

However, from the Playlist Panel, it is possible to rename a playlist element to give it a specific name without modifying the name of the original clip.

It is particularly useful when a playlist element is split in two elements, so both elements will not keep the same name and could be distinguished. It will also be interesting when a growing clip has been added to a playlist and split in many elements afterward, so all the elements could be named separately.

Possible Operations

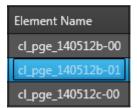
- This operation can be done for any of the following element types added to the playlist:
 XT high resolution clip, high resolution file, growing clip, train, virtual element, black clip.
- This operation can be done on a cued element.
- · This operation can be done on a high resolution file being restored.
- This operation can be undone thanks to the CTRL + Z shortcut.
- If an element is renamed while it is loaded on a Control Panel, its new name is
 displayed in the Playlist grid and in the Loaded Media field of the Control Panel.

How to Rename a Playlist Element

To rename a playlist element from the Playlist grid, proceed as follows:

 Click the cell in the **Element Name** column for the playlist element you want to rename.

The name is framed:



- 2. Enter a name for the playlist element. It can contain up to 64 alphanumeric characters.
- 3. Press **Enter** or click outside of the cell to validate the modification; or press **Esc** to cancel the modification.



The name of the original clip can be retrieved from the Clip Name column.

Special Cases

- When a virtual element is created, its name is displayed in the Element Name column.
- In case a playlist element, with its own name, is replaced by a linked clip, the playlist element name is reset to the clip name of the replacing clip.

5.9.2. Modifying the VarID of a Clip

When the VarID of a clip used in a playlist is modified, the VarID of the playlist element is not necessarily modified consequently. The behavior of the system can be summarized as follows.

If, in the Remote Installer, the parameter When associating clips to playlist elements has been set to	and the playlist has been created	then, modifying the VarID of a clip will
give priority to element ID	manually (drag- and-drop operations, LSM remote operations,)	modify the VarID of the corresponding playlist element in any playlist.
	from an external system	not modify the VarID of the corresponding playlist element in any playlist.
give priority to VarID	with any insertion method	not modify the VarID of the corresponding playlist element in any playlist. If a clip with the original VarID is found on the network, it is associated to the playlist If no clip with the original VarID is found on the network, the element becomes a virtual element.

Giving priority to VarID is typically useful in workflows where multiple versions of the same edit must be restored to an EVS server. The VarID of the updated playlist element cannot be changed because it still references the same content.

5.9.3. Trimming a Playlist Element

It is possible to modify the IN or OUT point of a playlist element. To do so, proceed as follows:

- 1. Open the Control Panel and assign a player channel to it.
- 2. Open a playlist in the Playlist Panel interface.
- 3. Drag an element from the playlist onto the **Loaded Media** field of the Control Panel.

The element will then be loaded on the Control Panel.

The association is indicated by the **Player** field which turns blue in both Control Panel and Playlist Panel windows.



- 4. Do one or both of the following possibilities:
 - Define a new TC IN and click the IN button.
 - Define a new TC OUT and click the OUT button.
- 5. Click the **Update Element** button.

Update element

The element is modified in the playlist and the corresponding information is updated both in the Control Panel and in the playlist.



NOTE

If the original record train is still available, clicking the **Ret** button in the Control Panel will load the media on the same frame than the loaded clip. This will allow retrieving media outside the original clip boundaries.

5.9.4. Modifying a LIVE or Delayed Train

If a live or delayed train is present in the playlist, the user can modify it.

To do so, proceed as follows:

- 1. Right-click the element corresponding to the train in the playlist grid.
 - The Playlist Element contextual menu opens.
- 2. Select **Modify LIVE or Delay** from the menu.

The Insert LIVE or Delay window is displayed with the information entered for the selected element.

- 3. Modify the information for the element.
- 4. Click the **OK** button.

The element is modified in the playlist.



5.9.5. Splitting a Playlist Element

A playlist element can be split in two elements. The playlist element may be a growing clip.

To do so, proceed as follows:

- 1. Browse the playlist element until the first frame of what will be the second element.
- Right-click the element to be split in the playlist grid.
 The Playlist Element contextual menu is displayed.
- 3. Select **Split Element**.

The playlist element is split at the selected timecode. A second element is displayed in the Playlist grid with the same name as the first one.

The transition between the two elements is automatically set as "Cut".

During playout, depending on the option selected for the **When Splitting an Element** setting under **Tools > Settings > Playlist > General**, the system will stop on the last frame of the element before the transition or apply an automatic transition between the two elements. See section "General Settings" on page 156.

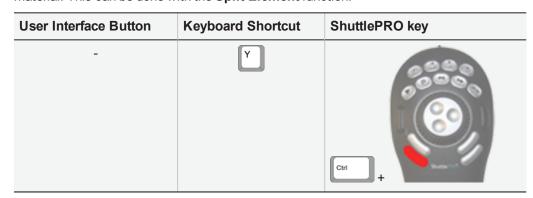
5.10. Replacing a Portion of Playlist Element by another Clip

5.10.1. Introduction

In some workflows, it is required to replace a portion of A/V material by another one.

For example, when an ingest feed is recorded in a country and is broadcasted in another country, the TV station may want to replace the original advertisement by local ones.

The "replace" operation consists in removing the undesirable material, by splitting an ingest feed and trimming one of the resulting parts, and then in inserting the replacing material. This can be done with the **Split Element** function.



5.10.2. How to Replace a Portion of Playlist Element by another Clip

To do so, proceed as follows:

- 1. Browse the playlist element until the first frame of the A/V material to be removed. To browse a playlist element, you can load it from the Playlist Panel to a Control Panel.
- 2. Right-click the element to be split in the playlist grid.

The Playlist Element contextual menu is displayed.

3. Select Split Element.

The playlist element is split at the selected timecode. A second element is displayed in the Playlist grid with the same name as the first one.



NOTE

Step 2 and 3 can be replaced by the



- 4. Load this second playlist element on a Control Panel.
- Browse the playlist element until the timecode from which you want to keep the A/V material.
- 6. Mark a new IN point.
- 7. Click the **Update Element** button.

The second playlist element is trimmed and the portion of undesirable A/V material is removed.

- 8. In the Database Explorer, for example, select the clip(s) you want to insert between the two playlist elements.
- 9. Drag it/them between the two playlist elements in the Playlist grid.

In the end, a portion of A/V material has been replaced by another one.

The transition between the elements is automatically set as "Cut".

During playout, depending on the option selected for the **When Splitting an Element** setting under **Tools > Settings > Playlist > General**, the system will stop on the last frame of the inserted element or apply an automatic transition between the inserted element and the next one. See section "General Settings" on page 156.

5.11. Adding a Linked Clip to a Playlist

5.11.1. Introduction

A linked clip is a clip that was created at the same time as the clip already present in the playlist but taken from a different record train. For example when recording a show with a main transmission cut and several isolated camera angles, if clips are created



simultaneously on all angles, these would be given a linked clip status by IPDirector.

Several actions on linked clips are possible from the Playlist Panel:

- Insert a linked clip.
- · Replace by a linked clip.

5.11.2. How to Insert a Linked Clip

To insert a linked clip from the Playlist Panel,

- 1. Select a clip in the playlist for which you want to insert linked clips.
- 2. Right-click the element.

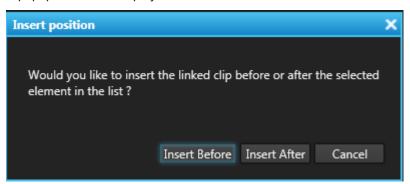
The Playlist Element contextual menu is displayed.

3. Select Insert a linked clip from the contextual menu.



4. Select the linked clip to insert from the list.

A popup window is displayed:



- 5. Do one of the following:
 - To insert the linked clip before the selected element in the list, select the **Insert Before** button.
 - To insert the linked clip after the selected element in the list, selection the Insert After button.
 - To abort the operation, select the Cancel button.

The linked clip is inserted at the requested position.



NOTE

If the selected clip has no linked clip, the sub-menu only displays ${\bf No}$ linked ${\bf clip}.$

5.11.3. How to Replace a Clip by a Linked Clip

To replace a clip selected in a playlist by a linked clip, proceed as follows:

- Select the clip in the playlist that you want to replace by one of its linked clips.
- 2. Right-click the element.

The Playlist Element contextual menu is displayed.

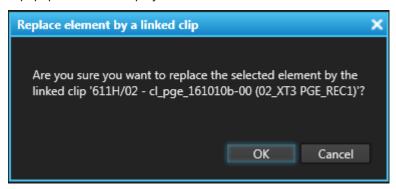
3. Select Replace by a linked clip from the contextual menu.

A sub menu is displayed including all clips linked to the selected clip. The clip name is followed by the name of the recorder channel the clip has been created from. If the recorder channel was linked to a video router, the name of the associated router IN port is displayed after the recorder channel name.



4. From the list, select the linked clip that will replace the selected clip.

A popup window is displayed:



5. Click OK.

5.12. Generating Continuous TC Track

Purpose

When clips are added to a playlist, the resulting playlist elements start with the timecode (TC IN) of the corresponding clips.

A function is available to generate a continuous timecode on the playlist output. When the playlist is played out to air, the timecode is re-generated as specified.

The playlist is browsed more easily.

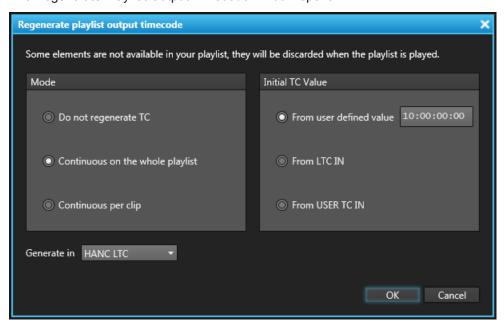


How to Generate a Continuous Timecode Track

To generate a continuous TC track on the playlist output when the playlist is open in the Playlist Panel, proceed as follows:

- Right-click the Channel Media and Transport Functions pane.
 The Playlist contextual menu is displayed.
- 2. Select Regenerate TC Output from the menu.

The Regenerate Playlist Output Timecode window opens:



- 3. In the Mode area, select one of the following options:
 - Do not regenerate TC: this is used to de-activate the Regenerate TC function.
 All the other options become unavailable.
 - Continuous on the whole playlist:

All the options in the Initial TC Value area become available as well as the **Generate in** fields.

Continuous per clip:

All the options in the Initial TC Value area become available, except the **From user defined value** option. The **Generate in** field become available as well.

- 4. In the Initial TC Value area, select one of the options available, depending on what has been selected in the Mode area:
 - From user defined value

The value defined in the general playlist setting **Default TC Track Value** is filled in by default. You can also enter another TC value which will be used as initial value.

- From LTC IN
- From USER TC IN

5. Select a value in the **Generate in** fields.

The values displayed and the availability of the **Generate in** drop-down list depends on the option selected in the Mode area and on the video standard, as detailed below.

6. Click OK.

The parameters are saved with the playlist.

When the playlist is loaded on the EVS video server and played out to air, the timecode is regenerated as specified.

Video Standard

The video standard which will be considered is

- · the video standard of the playlist if the playlist is on-line
- · the video standard of the first playlist element if the playlist is off-line
- PAL if there is no element in the playlist.

The table below summarizes the values displayed in the **Generate in** fields.

Definition	Standard	VITC/HANC Values	DROP/Non DROP Availability
SD	PAL	VITC	Hidden
SD	NTSC	VITC	Displayed
HD	PAL	HANC LTC HANC VITC Both HANC LTC and HANC VITC	Hidden
HD	NTSC	HANC LTC HANC VITC Both HANC LTC and HANC VITC	Displayed

5.13. Grouping Elements in a Playlist

Introduction

Several consecutive elements can be grouped together and background and foreground colors can be associated with the group to highlight its elements in the Playlist grid.

All the elements are shown in an expanded view:

Group 1 (on-air duration: 00:00:20:10)						
.pge_160215c	✓ ON-LINE	00:00:06:09	00:15:36:14	00:15:42:23		
.pge_160215d	✓ ON-LINE	00:00:07:01	00:15:51:13	00:15:58:14		
.pge_160215e	✓ ON-LINE	00:00:07:00	00:16:05:07	00:16:12:07		

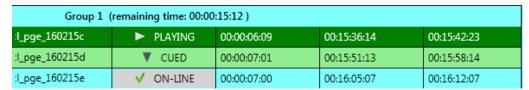


By double-clicking the group name, the group of elements can also be displayed as a single event in a collapsed view:

Group 1 (on-air duration: 00:00:20:10)

The group header shows the group name and its on-air duration if the properties of the grouped elements allow the calculation to be made (start modes are set to automatically, see section "Stopping and/or Starting Automatically the Playout of a Playlist" on page 108).

As soon as the group elements are being played, the on-air duration information is replaced by the remaining time count down until the end of the elements group:



This value is calculated taking into account the current speed, the transition information (effect duration and playlist elements speed), the presence of counter loop. If the speed is unknown, the speed of the previous element will be used to calculate the value, if this is also unknown, then the previous element speed must be used, etc).

If the group contained an infinite loop, the remaining time will not be calculated.

How to Group Elements of a Playlist

To group elements in a playlist,

1. Select several consecutive elements you want to group.

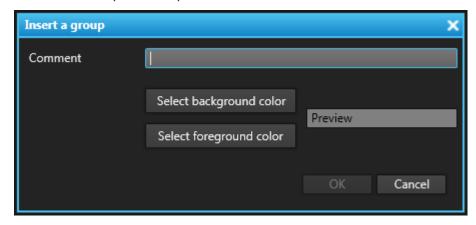


NOTE

If a group is part of the selection, the **Group** option will be unavailable.

- Right-click one of the selected element.
 The Playlist Element contextual menu is displayed.
- Select Group.

The Insert a Group window opens.



4. Enter a name for the group.

- 5. (optional) Select a background color for the group:
 - a. Click Select background color.
 - b. Select a color from the Color palette window
 - c. Click OK.
- 6. (optional) Select a foreground color for the group:
 - a. Click Select foreground color.
 - b. Select a color from the Color palette window
 - c. Click OK.
- 7. Click the **OK** button.

A new comment line in the playlist is displayed before the elements of the group.

Group 1 (on-air duration: 00:00:20:10)						
.pge_160215c	✓ ON-LINE	00:00:06:09	00:15:36:14	00:15:42:23		
.pge_160215d	✓ ON-LINE	00:00:07:01	00:15:51:13	00:15:58:14		
.pge_160215e	✓ ON-LINE	00:00:07:00	00:16:05:07	00:16:12:07		

Possible Actions on a Group of Elements

Edit Group

To edit the group name or colors,

- 1. Right-click the group header line.
- 2. Select Edit Group.
- 3. Edit the group name or colors from the Edit Group window.

Ungroup

To remove the group,

- 1. Right-click the group header line.
- 2. Select Ungroup.

The elements are still present in the playlist but are no more part of a group.

5.14. Inserting Comments into a Playlist

5.14.1. Purpose

Comment lines can be inserted into a playlist. This can be useful in identifying certain transitions or events in a playlist and to improve the clarity of a complex playlist by adding information to it.

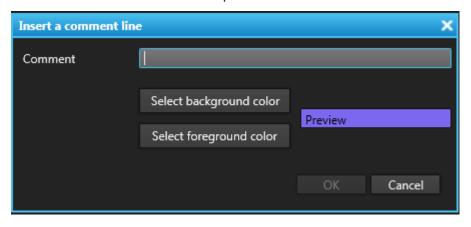
A comment line or associated color can then be edited by selected the **Edit Comment** option of the Playlist Element contextual menu.



5.14.2. How to Insert a Comment

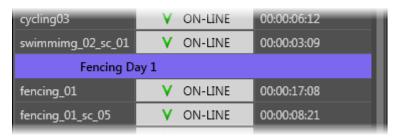
To insert a comment within a playlist, proceed as follows:

- Right-click an element in the playlist.
 The playlist element contextual menu is displayed.
- Select Insert comment from the contextual menu.The Insert a Comment Line window opens.



- 3. Type any information into the text field and select a background and/or a foreground color for the comment if desired.
- 4. Validate the operation by clicking the **OK** button.

The comment is inserted in the list, depending on the **Insert mode in playlist** option selected in **Tools > Settings > Playlist > Playlist / General** category. See section "General Settings" on page 156.



5.15. Converting a Playlist to Timeline

5.15.1. Purpose

IPDirector allows the users to convert a playlist to a timeline. They will then be able to edit a playlist in an easy way.

The conversion process keeps some parameters from the playlist like video and audio transition effects, speed, audio swap or mute tags, GPIs. Other parameters can be discarded, such as hide tag.

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Refer to the IPEdit chapter in part 7 of the manual for a detailed description of the convert playlist to timeline process.

5.15.2. How to Convert a Playlist to Timeline

To do so, proceed as follows:

1. From the Playlist Panel, right-click the Playlist Name field.

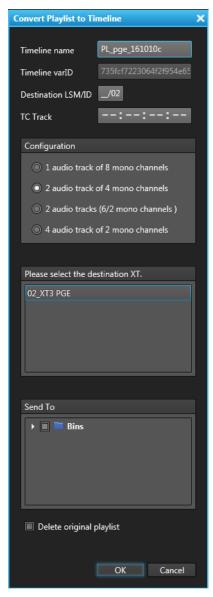
or

From the Database Explorer, right-click the playlist in the Elements grid.

The Playlist contextual menu is displayed.

2. Select Convert to Timeline.

The Make a Timeline Online window opens:



See section "Converting a Playlist into a Timeline" in the IPEdit user manual for a description of the window.

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- If requested, change the timeline name, type a destination LSM ID, and a start TC track.
 - By default, the original playlist name will be taken over, the LSM ID is assigned automatically, and the Start TC Track is 00:00:00:00.
- 4. Enter the EVS server where the new timeline will be stored, and if requested, a bin where it can be sent to.
- 5. Tick the **Delete Original Playlist** if you do not want to keep the original playlist.
- 6. Click OK.

The timeline is created on the defined EVS server.

5.16. Converting a Playlist to Edit

Introduction

IPDirector allows the users to convert a playlist to an edit. The edit could then be managed by Xedio IPD plugin in an easy way.

The conversion process keeps all the metadata from the playlist.

How to Convert a Playlist to Edit

To convert a playlist to edit,

1. From the Playlist Panel, right-click the **Playlist Name** field.

or

From the Database Explorer, right-click the playlist in the Elements grid.

The Playlist contextual menu is displayed.

2. Select Convert to Edit.

The Audio Track Conversion window opens:



- 3. Select one of the available audio configurations for the edit.
- 4. Click OK.

The edit is created with the playlist name and can be retrieved from the Edits tree branch of the Database Explorer.

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6. Playout Effects and Parameters

6.1. Overview of the Section

This section is intended to describe the effects which can be applied during the playout of a playlist and how they can be achieved.

It provides information on the following topics:

Section

"Adding Audio / Video Transition Effects" on page 101

"Setting the Playout Speed" on page 105

"Stopping and/or Starting Automatically the Playout of a Playlist" on page 108

"Resetting Playout Parameters to Default" on page 114

"Inserting a Freeze Effect in a Playlist Element" on page 114

"Adjusting Audio Levels" on page 117

"Using Action Tags into a Playlist to Trigger Transport Functions or Playout Effects" on page 117

"Applying a Macro Command to Trigger Playout Effects" on page 127

"Skipping an Element in the Playlist" on page 130

"Looping Playlist Elements During Playout" on page 131

"Associating an Auxiliary Audio Clip to a Playlist" on page 140

"Working with End Cue" on page 141

"Working with Post-Roll" on page 144

"Using As Run Log" on page 146



6.2. Adding Audio / Video Transition Effects

6.2.1. Introduction

Default Parameters

The users can define audio and video transition effects between elements of a playlist.

Default parameters are defined from the **Tools > Settings > Playlist > Playlist / Default Transition** category so those options will automatically be applied when an element is added to the playlist. See section "Default Transition Settings" on page 159 for details on the settings options.

Limitation

Still mode option and A/V transition effect

It is not allowed to define both a Still/Start mode option and an A/V transition effect different than the default ones for a playlist element .

Possible Ways to Define A/V Effects

Two options are available to define audio and/or video transition effect for a playlist element:

- using a macro command, previously configured to correspond to a specific effect with specific parameters. See section "Applying a Macro Command to Trigger Playout Effects" on page 127 for information on using macro commands, and section "Playlist Macro Commands Settings" on page 163 for information on configuring macro commands.
- defining audio and/or video effect and duration by selecting options from a list or entering duration values in the grid. Related procedure and windows are described hereafter.

In this case, the audio and video effects can be defined in two different ways:

- through the Playlist Element contextual menu
- by direct entry/selection in the playlist grid

6.2.2. Possible A/V Transition Effects

Seven video effects are available. Audio effects depend on the applied video effect. The table below summarizes the possible associations of video and audio effects.

Audio Effect Video Effect	Cut	Mix	Fade from Mute	Fade to Mute	V Fade to/from Mute
Cut	√	√			
Mix		√			
Wipe Left -> Right		√			
Wipe Right -> Left		√			
Fade from Black			√		
Fade to Black				√	
V Fade to/from Black					V

Cut

No transition effect occurs. The audio and video of the second clip replaces the sound and images of the first clip instantly.

Actually an Audio Cut effect is processed as an Audio V Fade effect by the EVS server to avoid audio artifacts.

Mix

The <u>Video Mix</u> effect is a gradual transition (dissolve effect) from one video source to another, in which an image from one source gradually becomes less distinct than an image from a second source.

The Audio Mix effect is an audio transition in which one clip gradually fades into the next.

Video Wipe

The <u>Video Wipe</u> effect is a gradual spatial transition from one video source to another, in which a vertical border moves across the screen, to gradually replace the last images of the first clip with the first images of the next clip.

In the Wipe L -> R effect, the border moves from left to right.

In the Wipe $R \rightarrow L$ effect, the border moves from right to left.

Video Fade

The <u>Video V Fade to/from Color</u> effect, also called **Dip to Color**, blends the first clip into a selected color (black), and then blends the color into the next clip.

The <u>Video Fade to Color</u> effect blends the first clip into a selected color (black) until its TC OUT point.

The <u>Video Fade from Color</u> effect blends the color into the images of the clip from its IN point.



Audo Fade

The <u>Audio V Fade to/from Mute</u> effect, also called **Cross Fade**, is a transition to or from silence. The sound of the first clip fades out while the sound of the second clip fades in.

The <u>Audio V Fade to Mute</u> effect, also called **Fade Out**, is a transition where the sound of the first clip fades out.

The <u>Audio V Fade from Mute</u> effect, also called **Fade In**, is a transition where the sound of the second clip fades in.

6.2.3. How to Define Audio and/or Video Effects using the Playlist Element Contextual Menu

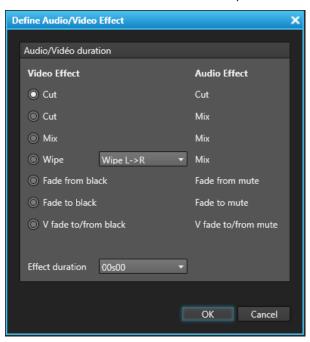
To define audio and/or video effects using the contextual menu, proceed as follows:

- 1. Select one or several elements in the playlist for which you want to define effects.
- 2. Right-click one of the elements.

The Playlist Element contextual menu opens.

3. Select Define Audio/Video Effect from the menu.

The Define Audio/Video Effect window opens:



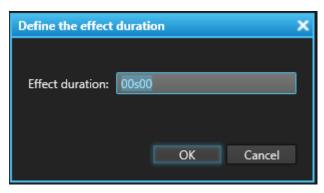
 Select the association of video and audio transition effect to apply to the selected elements. The drop-down list besides the Wipe option allows to choose between Wipe L->R and Wipe R->L.

As audio and video effects are linked, any change made to a video parameter will also be made to the corresponding audio parameter and vice versa.

5. Select the duration for the transition effect. The same duration will automatically apply to the video and audio transition effects.

The drop-down list allows the selection of the following items:

 Customize: a popup window is opened asking the operator to enter a specific value.



- Back to default: the duration is reset to the default value defined in the default settings, via the Tools > Settings > Playlist > Playlist / Default Transition category. See section "Default Transition Settings" on page 159.
- Specific values.
- 6. Click OK.

The selected transition effects and corresponding durations appear in the Video Effect, Audio Effect, Video Effect Duration and Audio Effect Duration columns of the playlist grid.



6.2.4. How to Define Audio and/or Video Effects by Direct Entry/Selection in the Playlist Grid

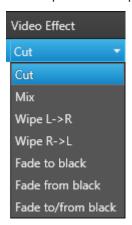
To define audio and/or video effects by direct entry/selection in the playlist grid, proceed as follows:

Select one element in the playlist and make sure that the Video Effect, Audio Effect,
 Video Effect Duration and Audio Effect Duration columns are visible in the grid.



2. To define the video transition effect or the audio transition effect, click the Video Effect arrow or the Audio Effect arrow corresponding to the element directly in the grid.

All the options are displayed:



3. Select the video effect or the audio effect from the list.

As audio and video effects are linked, any change made to a video parameter will also be made to the corresponding audio parameter and vice versa.

4. To define the duration of the video transition effect and the audio transition effect, modify the value by direct entry in the Video Effect Duration column or in the Audio Effect Duration column. A value in seconds and frames up to 1 minute can be used. The same duration will automatically apply to both the audio and the video transition effects.



If the **ESC** key is used on the keyboard, the editable area is exited and the original cell value is restored.

If the **ENTER** key is pressed or a different area is clicked on, the modifications will be validated.

The selected transition effects and corresponding durations appear in the **Video Effect**, **Audio Effect**, **Video Effect Duration** and **Audio Effect Duration** columns of the playlist grid.

6.3. Setting the Playout Speed

6.3.1. Introduction

The default speed value is defined in the **Tools > Settings > Playlist > Playlist / Default Transition** category. See section "Default Transition Settings" on page 159 for details on the settings options.

The users can define a different playout speed for each element of a playlist or they can set a custom speed only for the air-element.

6.3.2. Super Slow Motion Clip

A super slow motion (SLSM) clip can be inserted in a playlist with its own speed, which means 33% for "SLSM clips 3x", 50% for "SLSM clips 2x", or 10% for "SLSM clips 10x". This will be applied if two conditions are fulfilled:

- The Insert SLSM Clips at Slo-mo Speed setting has been selected. If the setting is not selected, the default speed defined in "Default Transition Settings" on page 159 is taken into account.
- The SLSM clip is added to the playlist directly from the IPDirector interface.

6.3.3. Setting the Playout Speed of some Elements

Possible Ways

The speed can be set in two different ways:

- through the Playlist Element contextual menu
- · by direct entry/selection in the playlist grid

These settings are permanent; they will be used each time the element is played.

How to Set Speed Using the Playlist Element Contextual Menu

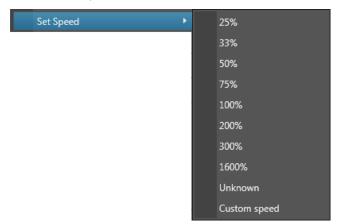
To define playout speed using the Playlist Element contextual menu, proceed as follows:

- 1. Select one or several elements in the playlist for which you want to define effects.
- 2. Right-click one of the elements.

The Playlist Element contextual menu opens.

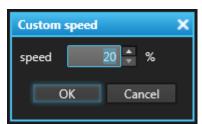
3. Select **Set Speed** from the menu.

A sub-menu opens:





- 4. Do one of the following:
 - Choose the desired speed from the list of preset values
 - Select Custom speed from the contextual menu and enter an exact speed value in the popup window which is displayed:



The selected speed value appears in the **Speed** column of the playlist grid.



NOTE

If an unknown speed is allocated to one playlist element, it will be played out at the speed defined on the channel when the element comes to air, for example the speed at which the previous element on-air played at.

How to Set Speed by Direct Entry in the Playlist Grid

To define speed by direct entry in the playlist grid, proceed as follows:

- 1. Select one element in the playlist and make sure that the **Speed** column is visible in the grid.
- 2. To define the playout speed of the element, modify the value by direct entry in the **Speed** column. A value as a percentage between 0 and 400% can be entered.

If the **ESC** key is used on the keyboard, the editable area is exited and the original cell value is restored.

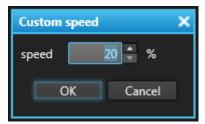
If the **ENTER** key is pressed or a different area is clicked on, the modifications will be validated.

The selected speed value appears in the **Speed** column of the playlist grid.

6.3.4. Setting a Custom Speed for the On-Air Element

Press the shortcut to set the speed of the on-air element, would it be playing or paused.

Then enter a speed value in the Set Speed window:



The element will then play at the selected speed.

This is a temporary setting. It will be only used once.

6.4. Stopping and/or Starting Automatically the Playout of a Playlist

6.4.1. Purpose

The purpose of the still/start mode option for elements in a playlist is to give more flexibility in the playout of a playlist. It allows automatic starts or freezes within a list. It enables external triggers to start the list and elements to be played at a predetermined time.

Default values are defined in the **Tools > Settings > Playlist > Playlist / Default Transition** category. See section "Default Transition Settings" on page 159 for details on the settings options.

Two playout modes are available:

Mode	Description
Still mode	Determines whether the playout should stop within the playlist.
Start mode	Determines whether the playout of the selected element will start manually or automatically and how it could be triggered.

Within the start mode, it is allowed to define a specific time when the selected element will start playing. The distinction must be made between what is called "a start-on-time" and "a jump-on-time".

Option	Description
Start-on-time	The playout of the selected element will start at a defined time only if the element is loaded on the channel at the specified time.
Jump-on-time	The playout of the selected element will start at a defined time if the playlist is loaded on the channel but not necessarily on the selected element. It can be used, for example, to start the playout of the day programs, or to exit a partial loop.



NOTE

It is not allowed to define both A/V effect and a still/start mode option for a transition between elements.



6.4.2. Jump on Time Characteristics

Hereafter are some properties of the jump-on-time option:

- It is only valid for playlists, not for clips, trains, growing clips nor timelines.
- It can be defined on an off-line playlist, as far as the playlist is loaded on a channel before playout.
- It is possible to define a jump-on-time condition for several elements of the same playlist. Elements will be played in a chronological order according to time defined for the jump-on-time.
- The jump-on-time condition can be defined for an element inside a partial loop. If the playlist is being played within the loop at the time defined for the jump on time and if a counter exists on the loop, the counter is reset when the jump on time happens.
- The element on which a jump-on-time is defined will be played with the speed defined for it.
- If the element on which a jump-on-time is defined is already playing, the jump on time condition is discarded.
- If a jump on time is defined on a virtual element that is not restored when the clip is supposed to start, the jump on time is not taken into account.
- If a virtual element is loaded on the player channel, and if a start on time is defined on this element, the start on time will be discarded when the element is supposed to play.
- If the playlist is in PAUSE or EDIT mode, the element on which a jump-on-time is defined will be played with the speed defined for it but without its transition parameters (A/V effect and duration).
- If the playlist is loaded on a channel later than the time defined for the jump-on-time, the playout of the element will not be triggered.
- When a playlist is being played, the "remaining time until next transition" and "remaining time until next break", will be adapted taking into account the jump-on-time condition.

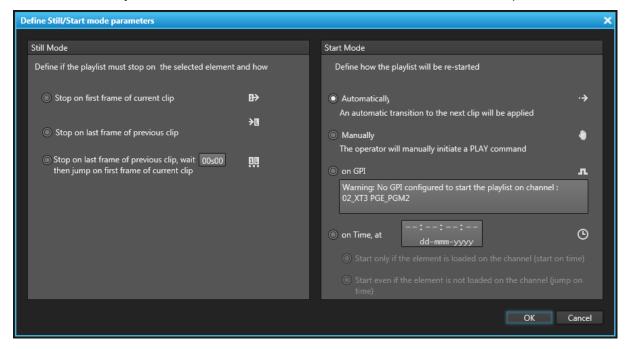
6.4.3. Limitation for the Use of Jump on Time and/or Start on Time

- Several triggers cannot be defined for the same playlist element, i.e. two jump-on-time conditions, two start-on-time conditions or a start-on-time condition and a jump-ontime condition.
 - Defining a new condition will remove or overwrite the first one.
- Several triggers with the same time and date cannot be defined for the same playlist.
- Two triggers cannot be defined for the same playlist if their respective time and date are too closed to each other, i.e. in the range [time-guardband, time+guardband].

6.4.4. Define Still/Start Mode Window

Opening of the Window

When right-clicking on a playlist element and selecting **Define Start mode** from the Playlist Element contextual menu, the Define Still/Start Mode window opens.



Still Mode

The Still mode determines whether the playout should stop within the playlist. The available options are listed below. They are associated with an icon which will also be present in the **Still/Start mode** column of the playlist grid.

- Stop on first frame of current element.
- Stop on last frame of previous element.
- Stop on last, wait, jump on first: the playlist will stop on the last frame of the previous element, wait a certain time which is defined in the associated field, and then jump on the first frame of the selected element.
- If no still mode is defined, the start mode will be set to Automatically and the
 playlist will play from element to element using the defined playlist parameters for
 each element (see next section)



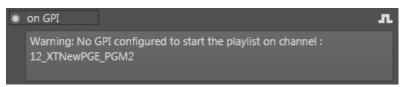
Start Mode

The start mode setting determines how the playlist will be re-started between playout of elements. The available options are listed below. They are associated with an icon which will also be present in the **Still/Start mode** column of the playlist grid.

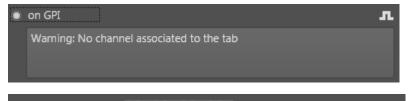
- Automatically: an automatic transition to the next element will be applied and the playlist will play from element to element using the defined playlist parameters for each element.
- Manually: the selected element must be started manually (by a Play or Play Var command) on the Playlist Panel, keyboard or ShuttlePRO controller.
- On GPI: the selected element will be started when a GPI trigger is received on the corresponding EVS server (the one the playlist is to be played on). The GPI number and its trigger mode are defined in the Tools > Settings > Input GPIs category. Refer to section "Settings Input GPIs" in part 1 of the manual.

When **On GPI** is selected, the corresponding GPI, which has been configured to start a PLAY command on the channel associated to the Playlist Panel, is displayed in the description field.

If no GPI has been configured to start a PLAY on the channel, a warning message is displayed in the description field.



If no channel is defined, a warning message is displayed in the description field:





On Time, at:

the selected element will start at the defined time.

 Start-on-time: the playout will only be started if the element is loaded on the channel at the specified time (independently of the date).

A clock icon and the defined time are displayed in the Playlist grid.



 Jump-on-time: the playout will be started even if the element is not loaded on the channel as far as the playlist is loaded on the channel.

A clock icon and the defined time are displayed in the Playlist grid.





NOTE

Manual Override on Start mode settings: If the start mode has been defined **On GPI**, or **On Time**, **at**, it is still possible to manually start the element by clicking PLAY.

6.4.5. How to Define a Start-on-Time Condition

To define a start-on-time condition on a playlist element, proceed as follows:

- 1. Select the element on which to define a start on time condition.
- 2. Right-click the element.

The Playlist Element contextual menu is displayed.

3. Select **Define Start mode** from the contextual menu.

The Define Still/Start Mode window is displayed.

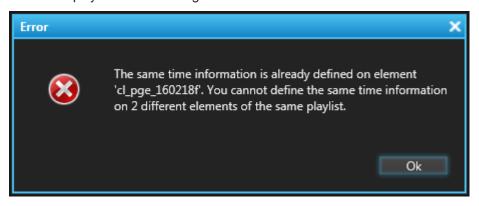
4. Select **On Time at/start on time** and define the time for playout.



The still mode will be set to Stop on last frame of previous element.

5. Click OK.

If the time information is already defined for another element in the playlist, a popup window displays an error message.



A clock icon and the time defined for the start on time condition are displayed in the **Still / Start Mode** column for the selected element.



If the element is loaded on the channel at the specified time, it will be played out.



NOTE

If the element remains loaded, the element will be triggered every day at the same time.



6.4.6. How to Define a Jump-on-Time Condition

To define a jump on time condition on a playlist element, proceed as follows:

- 1. Select the element on which to define a jump on time condition.
- 2. Right-click the element.

The Playlist Element contextual menu is displayed.

3. Select **Define Start mode** from the contextual menu.

The Define Still/Start Mode window is displayed.

- 4. Select **On Time at/jump on time** and define one of the following options:
 - time only

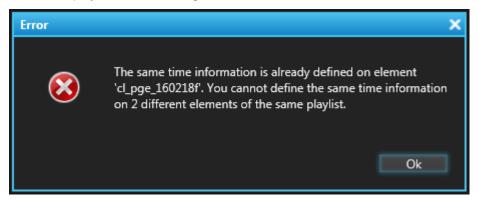
The playout of the element will be triggered at the closest corresponding time in the future. If the playlist remains loaded, the element will be triggered every day at the same time.

date and time

The playout of the element will be triggered at the specified time and day and only at that time even if the playlist remains loaded.

5. Click OK.

If the time information is already defined for another element in the playlist, a popup window displays an error message.



A clock icon and the time defined for the jump on time condition are displayed in the playlist grid for the selected element.



If the playlist is loaded on the channel, the element will start playing at the time defined, using the parameters defined for the element. See section "Jump on Time Characteristics" on page 109 for special cases of use.

6.4.7. Using Macro Command to Define Still/Start Mode

Still/Start mode can also be defined by using a macro command, previously configured to correspond to a specific effect with specific parameters. See section "Applying a Macro Command to Trigger Playout Effects" on page 127 for information on using macro commands, and section "Playlist Macro Commands Settings" on page 163 for information on configuring macro commands.

6.5. Resetting Playout Parameters to Default

It is possible to reset the following playout parameters to the default values specified in the **Tools > Settings > Playlist > Playlist / Default Transition** category:

- · speed,
- still mode, start mode,
- A/V effect

for all the selected elements. For more information on the values defined as default values, see section "Default Transition Settings" on page 159.

Resetting parameters to default can be done in two ways:

- Selecting Reset transition to default option from the Playlist Element contextual menu
- Using a macro command, previously configured to correspond to the option. See section "Applying a Macro Command to Trigger Playout Effects" on page 127 for information on using macro commands, and section "Playlist Macro Commands Settings" on page 163 for information on configuring macro commands.

6.6. Inserting a Freeze Effect in a Playlist Element

6.6.1. Introduction

You can insert a Freeze effect in a playlist element, at a certain time code. The frame on which the Freeze is inserted will become a still image for the specified duration.

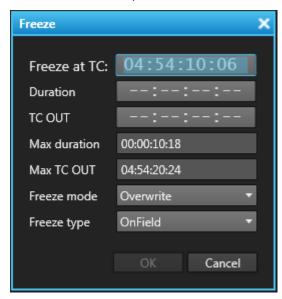


6.6.2. How to Insert a Freeze in a Playlist Element

To insert a freeze in a Playlist element, proceed as follows:

- 1. Browse the playlist element to the image that you want to freeze.
- 2. Right-click the playlist element and select Insert Freeze:

The Freeze window opens.



3. The **Freeze at TC** field shows the TC IN of the selected playlist element. If needed, enter the TC value where you want the Freeze effect to start.

The maximum duration, shown below the **Duration** field, is calculated from the Freeze at TC value to TC OUT.

- 4. Do one of the following:
 - Enter the duration of the Freeze effect in the **Duration** field. The resulting TC OUT for the Freeze is calculated and shown in the **TC OUT** field.
 - Enter the TC value for the end of the Freeze effect in the TC OUT field. The duration of the effect is automatically calculated.
- 5. Select the desired Freeze mode:



Overwrite: The freeze overwrites the images in the element for the duration of the freeze.

Insert: The freeze is added to the element images, so the total duration of the element is increased with the duration of the freeze.

6. Select the desired Freeze type:



Freeze on field: The freeze will be applied to the image field.

Freeze on frame: The freeze will be applied to the image frame.

7. Click **OK** to confirm.

The original element is now split into three (or two) elements:

- 1. Element before the freeze
- 2. Freeze element
- 3. Element after the freeze

If the Freeze is inserted at the TC IN of the element, the original element will be split in two. A freeze cannot be inserted at the end of an element.

6.6.3. Removing a Freeze Effect

Introduction

After inserting a Freeze in a Playlist element, the contextual menu of the Freeze element that was created, will show the **Remove Freeze** command.

Remove Freeze does not remove the inserted elements. It just removes the freeze property of the selected element.



NOTE

If you wish to undo the Insert Freeze command, use Ctrl-Z to perform a standard Undo operation.

How to Remove the Freeze Property of a Playlist Element

To remove the Freeze property of a Playlist element, proceed as follows:

- 1. Select the Freeze element in the Playlist.
- 2. Right-click the element and select Remove Freeze:

The Freeze property of the element is removed and it is returned to a normal element state.



6.7. Adjusting Audio Levels

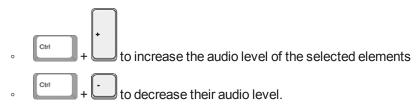
6.7.1. Introduction

The audio level of selected playlist elements can be increased or decreased by step of +/- 1 db. The audio level ranges from -100 db to +20 db. The default value is 0 db.

6.7.2. How to Adjust the Audio Level of Playlist Elements

To adjust the audio level of playlist elements, proceed as follows:

- 1. Select the playlist elements for which you want to adjust the audio level.
- 2. Use the following shortcuts:



The audio level value is displayed in the **Audio Level** column of the playlist grid.

6.8. Using Action Tags into a Playlist to Trigger Transport Functions or Playout Effects

6.8.1. Introduction

Tags are used to carry out specific actions at a specific timecode when a playlist element is played out. Up to 6 tags can be defined per playlist element.

Two options are available to add tags to a playlist element:

- defining tags one by one as well as parameters specific to each tag. Related procedure and windows are described in the current section of the manual.
- using a macro command, previously configured to correspond to a specific tag with specific parameters. See section "Applying a Macro Command to Trigger Playout Effects" on page 127 for information on using macro commands, and section "Playlist Macro Commands Settings" on page 163 for information on configuring macro commands.

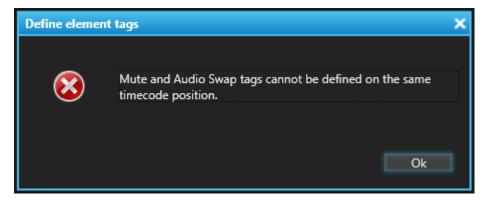
6.8.2. Tag Types

There are six types of tag that can be selected:

Tag Type	Description
GPI	A signal will be sent from the EVS video server under the control of the IPDirector, as defined in the Tools > Settings > Output GPIs category.
Hide On	The video output turns instantly to a black screen at the timecode value given to the tag.
Hide Off	The video output turns instantly from a black screen to the video of the element at the timecode value given to the tag.
Mute On	The audio of the element turns to a muted state, at the timecode value given to the tag, with a mix audio transition effect.
Mute Off	It returns the audio of the element from a muted state, at the timecode value given to the tag, with a mix audio transition effect.
Swap Audio Tracks	Audio tracks are swapped according to the selected configuration.

6.8.3. Limitation to the Use of Tags

A Mute tag and a Swap Audio tracks tag cannot be defined on the same T/C. If Mute and Swap are conflicting, the following error message is displayed:



6.8.4. How to Add a Tag to a Playlist Element

To add a tag to a playlist element, proceed as follows:

- 1. In the Playlist Panel, open the selected playlist.
- Right-click the element you want to add a tag to.The Playlist Element contextual menu is displayed.



3. Select Insert / Edit TAG from the menu.

The Define Element Tags window opens. See section "Define Element Tags Window" on page 120 for a description of its fields.

- 4. To define a new tag:
 - check a box,
 - select the Tag type in the Tag type field,
 - eventually modify the timecode from which the tag must be applied or click the
 Grab Timecode button;
 - if required, enter a descriptive text for the tag.

See section "Define Element Tags Window" on page 120 for more details on the Define Element Tags window and on the characteristics of each kind of tag.

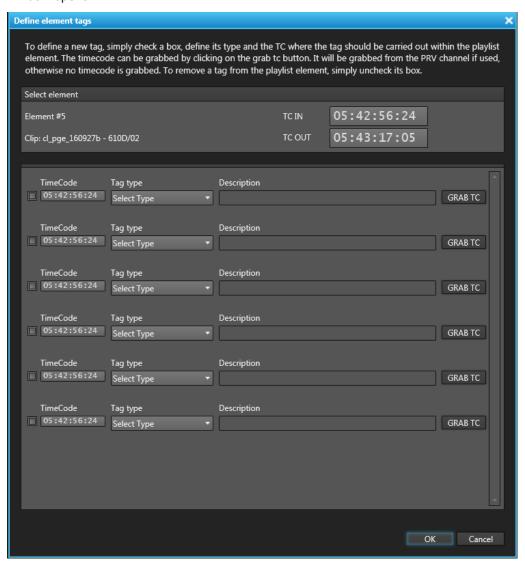
5. Click **OK** to validate the operation.

The tag(s) is/are added to the playlist and tag information is displayed in the Playlist Panel. See section "Tag Information Display" on page 123 for more information on tag display.

6.8.5. Define Element Tags Window

Opening of the Window

When **Insert/Edit Tag** is selected from the contextual menu, the Define Element Tags window opens:



Select Element Zone

It mentions the position of the selected element in the playlist, as well as its name, T/C IN and T/C OUT.



Tag Configuration Zone

The actual existing tags configuration of the selected element is displayed.

The tags are sorted by T/C. For example, if 3 tags are defined, the first 3 positions should be checked and ordered by increasing T/C.

For all undefined tags, the check box is unchecked.

Specifying a Timecode for the Tag to Be Activated

As soon as the **Grab Timecode** button is clicked, the current timecode is grabbed and displayed in the timecode field of the tag.

Selecting a Tag Type

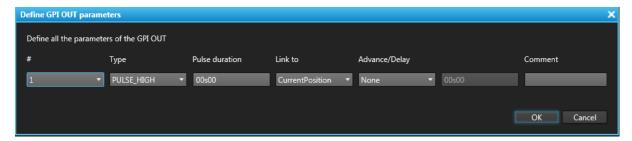
Six different tag types can be selected from the **Tag Type** drop-down list of the Define Element Tags window:



6.8.6. Action = GPI

When a GPI action tag is applied to an element at a given timecode, the action associated to this GPI OUT is triggered at this timecode value.

Selecting GPI action in the Define Element Tags window displays the Define GPI OUT Parameters window.



This window is described in details in the framework of "Playlist Macro Commands Settings" on page 163. See section "Action = GPI OUT" on page 165.

6.8.7. Action = Hide ON or Hide OFF

When a Hide ON action tag is applied to an element at a given timecode, the video output turns instantly to a black screen at this timecode value.

When a Hide OFF action tag is applied to an element at a given timecode, the video output turns instantly from a black screen to the video of the element at this timecode value.

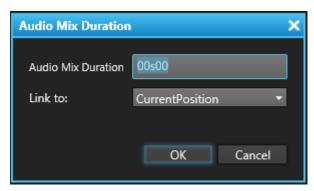
Selecting Hide ON or Hide OFF actions in the Define Element Tags window does not display any configuration window as there is no parameter to define.

6.8.8. Action = Mute ON or Mute OFF

When a Mute ON action tag is applied to an element at a given timecode, the audio of the element turns to a muted state, at this timecode value, with a mix audio transition effect.

When a Mute OFF action tag is applied to an element at a given timecode, the audio of the element returns from a muted state, at this timecode value, with a mix audio transition effect.

Selecting Mute ON or Mute OFF actions in the Define Element Tags window displays the Audio Mix Duration window



This window is described in details in the framework of "Playlist Macro Commands Settings" on page 163. See section "Action = Mute ON or Mute OFF" on page 166.

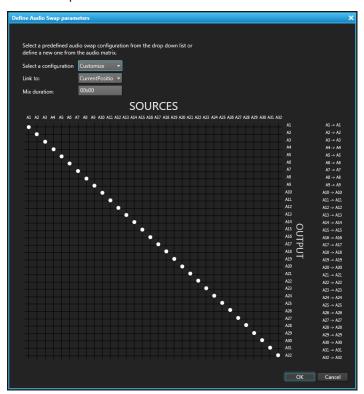


6.8.9. Action = Audio Swap

When an Audio Swap action tag is applied to an element at a given timecode, audio tracks are swapped according to the selected configuration.

Selecting Audio Swap action in the Define Element Tags window displays the Define Audio Swap Parameters window:





You can then either select a predefined configuration, or define a new configuration from the current window as described in section See section "Action = Audio Swap" on page 168 ("Playlist Macro Commands Settings" on page 163).

6.8.10. Tag Information Display

In the Playlist Panel

Once tags have been defined for playlist elements, the corresponding icons appear in the **Tag** Column of the playlist grid:

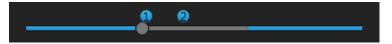
- GPI
- Hide On
- Hide Off



🍱 - Swap Audio Tracks

In the Control Panel

When the operator drags a playlist element onto a Control Panel, tags are displayed as bullets above the jog bar, at a position corresponding to the tag timecodes.

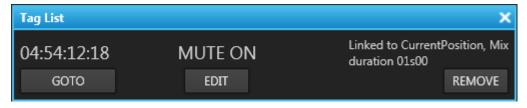


Each tag is represented by a numbered bullet.

Tag Information Window

When the operator clicks a tag icon in the Playlist Panel or a tag bullet in the Control Panel, the Tag Information window is displayed.

As the window will differ according to the tag type, the screenshot below gives an example of a Tag Information window for a Mute ON tag:



When the window is displayed and the operator moves the mouse pointer to another tag, the information is then displayed for that tag.

The following information is displayed in the window:

- · Timecode of the tag
- Tag type
- Additional tag information
- **GOTO** button: by clicking this button, the system will jump to the timecode of the tag on the channel associated to the panel. This allows you to check that the tag is set at the correct position.
- EDIT button. See section "How to Edit a Tag" on page 125 for more information.
- REMOVE button. See section "How to Remove a Tag" on page 127 for more information.



6.8.11. How to Edit a Tag

Two options are available to edit a tag:

- From the Playlist Element contextual menu
- From the Tag Information window.

From the Playlist Element Contextual Menu

To edit a tag from the playlist element contextual menu, proceed as follows:

- Right-click the element for which you want to edit a tag.
 The Playlist Element contextual menu is displayed.
- Select Insert / Edit TAG from the menu.The Define Element Tags window opens.
- 3. Modify the information you want and click **OK**.

The tag information is updated.

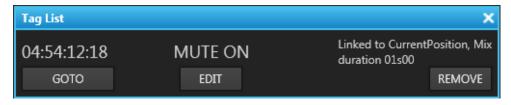
From the Tag Information Window

To edit a tag from the Tag Information window, proceed as follows:

 In the Playlist Panel where the selected playlist is opened/loaded or

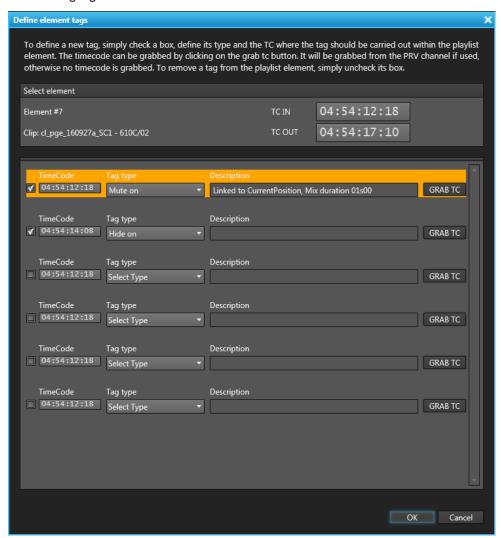
in the Control Panel where the selected playlist element is loaded, click the tag icon or the tag bullet, respectively.

The Tag Information window opens.



2. Click the EDIT button.

The Define Element Tags window opens and the zone corresponding to the tag being edited is highlighted.



3. Modify the information you want and click **OK**.

The tag information is updated.



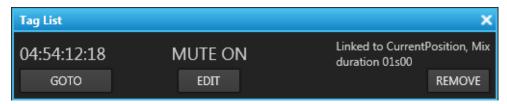
6.8.12. How to Remove a Tag

To remove a tag, proceed as follows:

In the Playlist Panel where the selected playlist is opened/loaded

in the Control Panel where the selected playlist element is loaded, click the tag icon or the tag bullet, respectively.

The Tag Information window opens.



2. Click the **REMOVE** button.

The tag is removed from the playlist element and tag information is removed from the Panel.

6.9. Applying a Macro Command to Trigger Playout Effects

6.9.1. Introduction

Some playout effects can be triggered by applying a macro command. A macro command is a kind of shortcut which can be used only for tags and transition effects and allows the users to quickly manage these functions:

- Adding a tag
 - GPI OUT
 - Mute On
 - Mute Off
 - Hide On
 - · Hide Off
 - Audio Swap

See section "Using Action Tags into a Playlist to Trigger Transport Functions or Playout Effects" on page 117.

Defining audio and/or video transition effect

See section "Adding Audio / Video Transition Effects" on page 101.

Defining still/start mode

See section "Stopping and/or Starting Automatically the Playout of a Playlist" on page 108.

Resetting transition to default

See section "Resetting Playout Parameters to Default" on page 114.

Macro commands are "user-specific", i.e. you may define your own set of macro commands.

Up to ten macro commands can be configured, from number 0 to 9. This is done through **Tools > Settings > Playlist > Playlist / Macro commands**. See section "Playlist Macro Commands Settings" on page 163 for more information on how to configure or modify the playlist macro commands.

A macro command can only be applied

- to a selected element in a playlist panel or
- to a playlist element loaded on a control panel



NOTE

In case a macro command configuration is changed, tags and transition effects which have previously been applied through a macro command will not be changed.

6.9.2. How to Apply a Macro Command to a Playlist Element

To apply a macro command to a playlist element, proceed as follows:

- 1. Select a playlist element.
- 2. Press the **Insert** key on the keyboard.



On the keyboard, press the key corresponding to the macro command number, from 0 to 9, as configured in Tools > Settings > Playlist > Playlist / Macro commands.

The macro command is applied to the corresponding playlist element. See section "Playlist Macro Commands Settings" on page 163 for more information on the way each kind of macro command can be defined.



6.9.3. Position of a Tag Macro Command in a Playlist Element

When applying a GPI macro command, the tag position depends on the "link to" parameter and the Advance/Delay parameter and duration defined in the Settings:

- · current position (with or without a delay or an advance),
- · IN point (with or without a delay), or
- OUT point (with or without an advance).

When applying a **Mute** macro command, the tag position depends on the "link to" parameter defined in the Settings:

- · current position,
- · IN point, or
- · OUT point.

See section "Limitations" on page 130 for occasions when the current position cannot be calculated.



NOTE

In case the tag position is linked to the IN or the OUT point and the playlist element is trimmed, the tag position is recalculated to still fit with the IN or OUT point respectively.

6.9.4. Applying a Macro Command on Linked Playlists

Insert Tag Macro Command

When a macro command corresponding to an Insert Tag action (GPI, Mute On, Mute Off, Hide On, Hide Off, Audio swap) is applied to a playlist element, the macro command is not applied on corresponding elements from linked playlists.

Transition Effect Macro Command

When a macro command corresponding to a transition effect action (define audio/video transition effect, define Still/Start mode, reset transition to default) is applied to a playlist element, the macro command is applied on corresponding elements from linked playlists.

6.9.5. Limitations

In certain circumstances, the macro command will not be applied:

- In case of multiselection, the macro command will be applied to all the elements of the selection, except when a macro command corresponding to GPI, Mute On or Mute Off is linked to the current position.
- If the "Link to" parameter is set to "current position" and this position is not known, because:
 - the playlist is off-line
 - the playlist is on-line but not loaded on a channel
 - the playlist element has been trimmed and the "Current Position" selected in the Settings is no more between the IN and OUT points of the element.
- If a GPI is not configured as OUTPUT GPI on the EVS video server, an error message is displayed.

6.10. Skipping an Element in the Playlist

Introduction

It is possible to skip the playout of one or more elements of the playlist.

Skipped elements will always be those after the element on-air.

As the element on-air is highlighted in dark green, and the next element to air in light green, users can easily see which elements which will be skipped.

How to Skip Elements during Playout

To one or several elements, proceed as follows:

 Click the Skip button or press the key to skip the element after the one onair.

The next element to air, highlighted in light green becomes the next one in the list.



Repeat step 1 as many times as you want elements to be skipped. If the Skip button
is clicked twice, the next two elements will be skipped, and so on, as shown by the
highlight on the list moving to the next element each time.





NOTE

If the **SKIP** button is clicked within a loop, the SKIP function takes the loop into account and elements played out remain inside the loop. This does not affect the loop counter.

6.11. Looping Playlist Elements During Playout

6.11.1. Purpose

It is possible to define a loop on a series of consecutive elements of a playlist or on the whole playlist. This enables the playout of this set of elements several times without any intervention. The user can choose if the loop must be played a number of times or indefinitely. He can also select the way the loop will be exited.

6.11.2. Loop Types

Introduction

The loop type determines whether the loop will be played a defined number of times or indefinitely.

Global Loop Mode

The Global Loop mode is activated with the LOOP button:



In this case, the entire playlist will be played in loop mode: the loop is applied on all the elements.

When playlists are played on ganged player channels while the loop mode is enabled, each playlist is played individually to its end before it is looped.

Partial Loop

Introduction

When the users define a partial loop, they select the playlist elements which will be included in the loop. All the playlist elements may be selected to be included in a partial loop.

Two types of partial loops can be defined: counter or infinite.

Counter loop

A counter loop will be played a number of times defined by the users.

When a counter loop is loaded on the on air channel or when the system jumps on the first element of a counter loop, the counter is reset. This allows the user to check the loop before the playout without decreasing the counter.

The loop elements are then played taking into account the still/start modes, transition effects, speed, tags.

Each time the OUT point of the last element is reached, the counter is decreased.

When the counter is null, the element located just after the loop is played taking into account its still/start modes, transition effects, speed, tags.

However, there are different ways to exit a partial loop and it is also possible to manually exit the counter loop at any time. See section "Exiting a Loop" on page 135 for more information.

Infinite loop

An infinite loop will be played indefinitely. No exit loop condition is defined at first.

Display of Partial Loops in the Playlist Grid

When a partial loop has been defined, the following information is displayed in the **LOOP** column of the playlist grid:

- A staple from the first and the last element of the loop. The staple will fit on one single line if there is only one element in the loop.
- On the last line of the loop, the icon of the infinite loop type or the number of times to play a counter loop.



6.11.3. Limitations to the Use of Loops

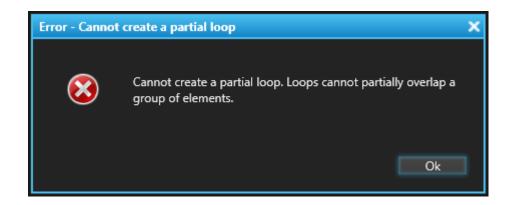
Nested loops are not allowed in IPDirector.

By nested loops, one must understand any of the following situations:

- one loop is totally included in another one
- · the first or the last element of one loop is the first or the last element of another one
- one loop is partially included in another one, i.e. one loop overlaps the other one.

Trying to do so would provide an error message.





6.11.4. Use of Loops and Groups

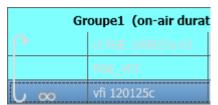
Rules for the Use of Loops and Groups

- A loop may not overlap a group of elements and vice versa. Trying to do so would provide an error message.
- · A loop may enclose one or several groups of elements. Note that
 - the first element of the loop may be the first element of the group of elements and/or
 - the last element of the loop may be the last element of the group of elements
- A group of elements may enclose one or several loops.
 - $_{\circ}$ $\,$ the first element of the loop may be the first element of the group of elements and/or
 - the last element of the loop may be the last element of the group of elements
- If the playlist elements selected to perform an action on a loop include a group line, all
 the elements of the group will be selected, would the group have been expanded or
 collapsed.

Display of Groups and Loops in the Playlist Grid

Group inside a Partial Loop

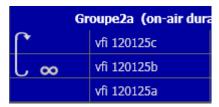
In case the first element of the group corresponds to the first element of the partial loop, the staple starts on the group line.



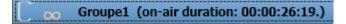
Partial Loop inside a Group

When a group includes a partial loop, the staple will be displayed differently depending on whether the group is expanded or collapsed.

• When the group is expanded, the staple will be displayed besides the elements of the partial loop, as usual, without including the group line



• When the group is collapsed, the staple will be displayed on the group line only, to indicate that the group includes a partial loop.



6.11.5. Creating Loops

How to Activate the Global Loop Mode

To loop on the entire playlist, proceed as follows:

- 1. Open a playlist.
- 2. Click the **LOOP** button

OR

Press the key on the keyboard.

The **LOOP** button changes from to

The playlist will loop when it reaches its end.



How to Define a Partial Loop

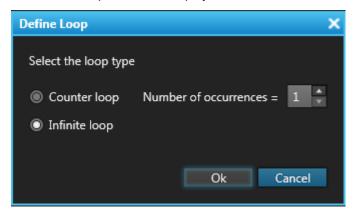
You can create a partial loop inside a playlist by using either the playlist element contextual menu or the partial loop shortcut. See section "Use of Loops and Groups" on page 133 for more information on what is allowed or not.



If you use the contextual menu, proceed as follows:

- 1. Select one or several elements you want to be included in a loop inside the playlist.
- Right-click one of the element of the selection.The Playlist Element contextual menu opens.
- 3. Select **LOOP** from the contextual menu.

The Define Loop window is displayed:



- 4. Select one of the following options:
 - Counter Loop, and enter the number of times to play the loop
 - Infinite Loop
- 5. Click OK.

The loop information is displayed within the grid.

To use the shortcut, proceed as follows:

- 1. Select one or several elements you want to be included in a loop inside the playlist.
- 2. To define an infinite partial loop, press the shortcut.
- 3. To define a counter partial loop, press the shortcut.

 In the Define a Partial Loop window displayed, enter the number of times to play the loop and click **OK**.

The loop information is displayed within the grid.

6.11.6. Exiting a Loop

Exit Loop Modes

The exit loop mode determines when the loop will be exited. Two exit loop modes can be selected:

- Exit Loop ASAP (As Soon As Possible): the loop is exited as soon as possible, without playing the current element until its end.
- Exit Loop on ShortOUT: the loop is exited as soon as the OUT point of the current element is reached.

Exit Loop Triggers

Introduction

In case of counter loop, the loop will be automatically exited when the counter is null and the first element after the loop will be played.

In case of infinite loop, the loop will endlessly be played.

There are several ways to trigger an exit loop mode before the end.

Using the GoTo Element Button



The **GoTo Element** button is a quick way to exit a partial loop and jumps on the selected element, according to the selected Exit Loop mode, i.e. as soon as possible or when the OUT point of the current element is reached.

Using a GPI

The loop will be exited when a GPI trigger is received on the corresponding EVS server (the one the playlist is to be played on). The first element just after the loop is then played taking into account its still/start modes, transition effects, speed, tags.

The GPI number and its trigger mode are defined in the **Tools > Settings > Input GPIs** category.

The Exit Loop mode applied is based on the selected GPI action type: "EXITASAP" or "EXITOUT". Refer to section Settings – Input GPIs in part 1 of the manual for more information on how to assign actions to input GPIs.

Using a Jump-on-Time Condition

If a jump on time is set on any element of the current playlist outside the loop, the loop is exited ASAP, at the date and time defined and the element with the jump-on-time condition is then played taking into account its transition effects, speed, tags. See section "Stopping and/or Starting Automatically the Playout of a Playlist" on page 108 for more information on that topic.



How to Manually Exit a Partial Loop Using the GoTo Element Button

It is always possible to manually exit a partial loop at any time, would it be a counter loop or an infinite loop. To do so, proceed as follows:

1. Right-click the **GoTo Element** button to select the Exit Loop mode.

The Exit Loop contextual menu is displayed:



- 2. Select one of the options:
 - Exit as soon as possible to be able to exit the loop immediately when clicking the GoTo Element button
 - **Exit on element markOUT** to be able to exit the loop as soon as the OUT point of the current element is reached after having clicked the **GoTo Element** button.

The selected option is displayed under the button:





- 3. Select the playlist element you want to be played when exiting the loop.
- 4. Click the **GoTo Element** button to exit the loop according to the selected mode.

The loop is exited and the selected element is then played taking into account its still/start modes, transition effects, speed, tags.

6.11.7. Modifying a Loop

How to Insert an Element Inside a Full or a Partial Loop

It is still possible to insert elements inside a partial loop after the creation of the loop. You man also insert elements inside a full loop even when it is playing. To do so, proceed as follows:

- 1. Select one or several elements to include in a loop inside the playlist.
- Drag the element(s) into the playlist grid, between the first and the last elements of the loop.

The element(s) are inserted within the loop.

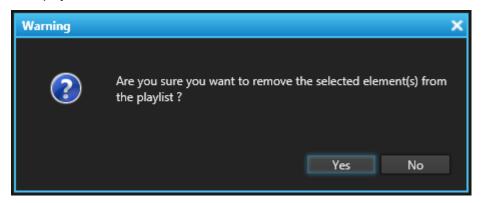
How to Remove an Element from a Partial Loop

The user can remove one or several elements from a partial loop.

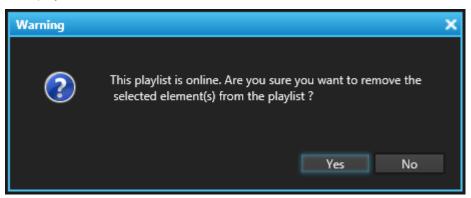
- 1. Select one or several elements to remove from the loop.
- 2. Right-click one of the elements of the selection and select **Remove element** from the Playlist Element contextual menu.

A confirmation message will be displayed depending on the status of the playlist being edited.

If the playlist is off-line:



If the playlist is on-line:



3. Confirm the operation.

The selected elements are removed from the playlist loop.

How to Modify the Loop Parameters

To modify the type of loop or the number of occurrences, proceed as follows:

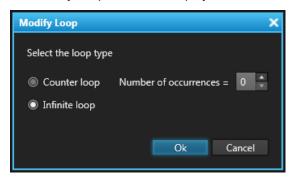
- 1. Select the last element of the loop.
- 2. Right-click the element.

The Playlist Element contextual menu is displayed.



3. Select Edit LOOP from the menu.

The Modify Loop window is displayed.



- 4. Modify the loop type and/or the number of occurrences.
- 5. Click the **OK** button or press **ENTER**.

The loop parameters are modified and the **Loop** column in the playlist grid is refreshed accordingly.

6.11.8. Removing a Loop

Purpose

When a partial loop previously defined is no more needed, the user may remove the loop condition. This will not remove any element of the loop.

In case the loop is part of a group, the group must be expanded to be able to remove the loop it contains.

How to Remove a Partial Loop

To remove the loop condition, proceed as follows:

- 1. Select all the elements of the loop or only the last one.
- 2. Right-click one of the elements of the selection.
 - The Playlist Element contextual menu is displayed.
- 3. Select **Remove LOOP** from the menu.

The system removes the partial loop condition and the loop staple is removed from the playlist grid.



NOTE

To remove a full loop, see section "Creating Loops" on page 134.

6.12. Associating an Auxiliary Audio Clip to a Playlist

6.12.1. Purpose

The **Aux Clip** option allows you to add a new audio track to play from the start of a playlist. For example when a music bed needs to be played at the same time as the original audio associated with the elements of a list or a particular clip needs to be used instead of the original element audio. The auxiliary audio clip selected is always played back with normal speed (100%), whatever the selected playback speed for the video.

When the playback of the playlist does not start from the beginning, the system calculates the offset between the current position and the beginning of the playlist, and applies the same offset to the auxiliary clip, so that it can remain synchronized with the playlist.

If the duration of the auxiliary clip is longer than the playlist duration, the auxiliary audio clip keeps playing even after the video has stopped.

Otherwise, the auxiliary audio clip ends itself before the end of the playlist, when the auxiliary audio clip reaches its own OUT point.

For every server, the audio output on which the auxiliary clip of the playlist will be played out is defined in the **Tools > Settings > Playlists > Playlist / Auxiliary Track** category. See section "Auxiliary Track Settings" on page 173.

6.12.2. Limitation for the Use of an Auxiliary Clip

It is only possible to play an auxiliary clip when the first 2 channels of an EVS server are being used for playout. If the playlist is loaded on PGM3 of an EVS server, the Aux track will not be present due to some limitations of the EVS server hardware.

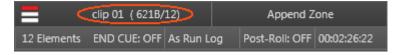
6.12.3. How to Associate an Auxiliary Audio Clip to a Playlist

To associate an auxiliary audio clip to a playlist open in a Playlist Panel, proceed as follows:

- 1. In the Database Explorer, select the clip you want to associate as auxiliary clip.
- 2. Drag it to the AuxClip area of the status bar on the Playlist Panel.



This clip is then defined as the auxiliary clip for the playlist. The name and LSM ID of the clip is displayed in the AuxClip area. The background of this zone is then green.







NOTE

Replacing an auxiliary clip: If a clip was already defined as the auxiliary clip for the playlist, it is replaced by associating another auxiliary clip.

Removing an auxiliary clip: To remove an auxiliary clip double-click on the AuxClip zone. The auxiliary clip is then removed from the playlist and the zone displays "None".

6.13. Working with End Cue

6.13.1. Purpose

Using the END CUE function gives the ability to send a signal (OUTPUT GPI) at a certain point in time, called the END CUE duration, before the playlist stops.

The purpose of using the END CUE function is to trigger a countdown in the control room which indicates to the operator when to switch to another device.

When the END CUE mode is activated, the GPI is sent every time the playlist stops, which means:

- at the end of the playlist, except if the loop mode is activated and the start mode option
 of the first element is set to Automatically.
- every time a still mode option (Stop on Last, Stop on Last, Wait, Jump on First or Stop on First) is set on an element.

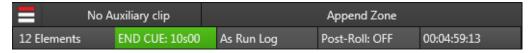
See section "Define Still/Start Mode Window" on page 110 for more information on these options.

6.13.2. Activation and Deactivation

Display of the End Cue Area

This END CUE area is only displayed if this has been set under **Tools > Settings > Playlist > Colors**. It indicates whether the END CUE mode is activated or not.

If it is activated, the END CUE duration is displayed in the END CUE area and the background of the zone is green.



If it is not activated, the area displays "END CUE OFF" and the background of the zone is gray.

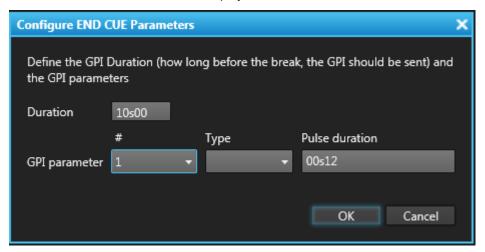
END CUE: OFF

How to Activate the END CUE Mode

To activate the END CUE mode, proceed as follows:

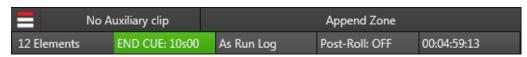
- 1. Associate a player channel to the Playlist Panel.
- 2. Do one of the following:
 - right-click the END CUE area and select Activate END CUE in the END CUE contextual menu or
 - double-click the END CUE area.

If the END CUE parameters have not already been set for that channel, the Configure END CUE Parameters window is displayed.



- 3. Enter the END CUE duration, i.e. how long before the break the GPI should be sent, and GPI parameters (number, type and pulse duration).
- 4. Click the **OK** button.

The END CUE mode is activated for the channel.





NOTE

To deactivate the activated END CUE mode, either

- right-click the END CUE area and select **Deactivate END CUE** in the END CUE contextual menu or
- · double-click the END CUE area.



How to Configure the END CUE Parameters

It is possible to modify the END CUE parameters defined for a channel. To do so, proceed as follows:

- 1. Right-click the END CUE area.
 - The END CUE contextual menu is displayed.
- 2. Select **Configure END CUE parameters** from the contextual menu.

The Configure END CUE Parameters window is displayed.

- 3. Update
 - the END CUE duration,
 - the GPI parameters: GPI number, GPI type and pulse duration.
- 4. Click the **OK** button.

The END CUE configuration is modified.

6.13.3. End-Cue Characteristics

- The END CUE duration is independent of the speed of the playlist. This means that
 the GPI will be sent a period of time, corresponding to the END CUE duration, before
 the playlist stops whatever the speed of the element may be.
- The GPI is not necessarily sent during the playout of the element where the playlist will stops as the END CUE duration can be greater than the element duration.
- The END CUE GPI is not sent if the END CUE duration is greater than the remaining time until next break.
- The END CUE duration as well as the END CUE GPI can be modified at any time, should the END CUE mode be activated or not.
- The END CUE mode is activated for a channel and not for a specific playlist.
- The END CUE GPI and duration can be different for each channel.
- The END CUE GPI is only sent in transmission mode, when the playlist is being played out, not in Edit mode.
- The END CUE mode is automatically turned off when the Multicam starts as there is no reason to keep a mode from a previous use of an EVS server.

6.14. Working with Post-Roll

6.14.1. Purpose

The Post-Roll is the ability to play an element a few seconds after its defined OUT point, as far as there is enough A/V material in the guardband.

The purpose of using Post-Roll is:

- to provide a countdown until the OUT point of the playlist element through the Remaining Time until Next Transition value to allow the operator to know when to switch to another device, and
- to continue the playout after the OUT point in order not to freeze before the operator performs the transition from the playlist.

When activated, the Post-Roll runs every time the playlist stops, which means:

- at the end of the playlist, except if the loop mode is activated and the start mode option
 of the first element is set to Automatically.
- every time the still mode option Stop on Last or Stop on Last, Wait, Jump on First is set on an element.

See section "Define Still/Start Mode Window" on page 110 for more information on these options.



NOTE

In case the still mode option **Stop on Last, Wait, Jump on First** is defined for an element, the still mode timer is only triggered after the Post-Roll duration.

The playout of the playlist element continues after its OUT point for the Post-Roll duration and then stops.

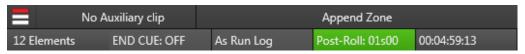
6.14.2. Activation and Deactivation

Display of the Post-Roll area

This Post-Roll area is displayed if this has been set under **Tools > Settings > Playlist > Colors**. The Post-Roll mode can be activated or deactivated through the Post-Roll contextual menu or by double-clicking the Post-Roll area. This Post-Roll area indicates whether a post roll is activated or not.

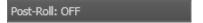
The Post-Roll mode can also be activated for the next transition only. In this case, the option is automatically deactivated after the Post-Roll duration.

If it is activated, permanently or temporarily for the next transition only, the Post-Roll duration is displayed in the Post-Roll area and the background of the zone is green.





If it is not activated, the area displays "POST ROLL is OFF" and the background of the zone is gray.



How to Change the Post-Roll Duration

To change the Post-Roll duration,

- 1. Associate a player channel to the Playlist Panel.
- 2. Right-click the Post-Roll area.

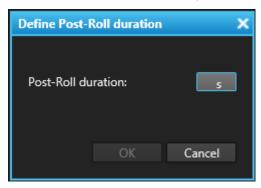
The Post-Roll contextual menu is displayed.

- 3. Do one of the following actions:
 - Select one of the predefined duration values.

The Post-Roll option is activated and displayed with the selected duration. In this case, you do not need to do anything else.

- Define a new post-roll duration:
 - a. Select Customize Post-Roll duration from the menu.

The Post-Roll Duration window opens.



b. Enter the required duration.



NOTE

The maximum Post-Roll duration is 30 sec with Multicam 14.02 and 600 sec with Multicam 15.00.

c. Press ENTER or click OK.

The Post-Roll option is activated and displayed with the entered duration.

The newly entered duration is added to the predefined duration values available in the Post-Roll contextual menu.

6.14.3. Post-Roll Characteristics

The Post-Roll duration is independent of the speed of the playlist. This means that the
playlist will continue to be played after the OUT point for the duration of the Post-Roll,
whatever the speed of the element may be.

For example, if the Post-Roll duration is set to 2 sec, the element will be played after its OUT point during 2 sec at the speed defined.

 The Post-Roll duration can be shortened if there is not enough A/V material in the guardband. In this case, the playout will freeze on the Protect OUT point of the playlist element.

For example, if the Post-Roll duration is set to 3 sec, if the guardband length of the element is 2 sec, and if the speed of the element is 100%, the element will be played during 2 sec after its OUT point and stops on its Protect OUT point. If its speed is 50%, there will be enough material to play during the 3 sec of Post-Roll duration.

- The Post-Roll duration can be modified at any time, should the Post-Roll option be activated or not.
- The Post-Roll is activated for a channel and not for a specific playlist.
- The playlist transport commands are available during the Post-Roll duration.

6.14.4. Remaining Time Information

The Remaining Time until Next Transition and the Remaining Time until Next Break value values do not take the Post-Roll duration into account.

They decrease until the OUT point of the element is reached. The OSD mentions the remaining time until the OUT point.

They are equal to zero on the OUT point.

They increase after the OUT point. The OSD mentions the duration played out after the OUT point with the "+" sign.

The moment when the remaining time is equal to zero gives indication on when to switch to an external device.

6.15. Using As Run Log

6.15.1. Purpose

An "as run log" is a file which logs what has been effectively played on a channel and when.

The purposes of using as run log can be:

- · to produce bills for advertising agency
- to monitor what has effectively been played out in case of errors during transmission



• to be used as a point of reference when subjects are placed on a website after they have been played on air.

6.15.2. Activation and Deactivation

The As Run Log area is displayed only if this has been set under **Tools > Settings > Playlist > Colors**. The As Run Log function can be activated or deactivated by double-clicking the as run log area. This area indicates whether an as run log is activated or not.

If it is activated, the area displays "AS RUN LOG" on a green background.



If it is not activated, the area displays "AS RUN LOG: OFF" and the background of the zone is gray.



6.15.3. As Run Log Mechanism

The as run log mechanism is not an automatic process. It must be triggered by a start command on the EVS video server and is handled through the GigE port of the EVS server.

The as run log is a characteristic of a channel.

The final as run log file is created in two different steps:

- First, the EVS video server generates an event channel log file, the server as run log, and stores it on the server local storage. This file will contain all the operations which have been done on the channel since the as run log mechanism has started.
- Secondly, an interpreter application will analyze the server as run log file and format it in the final as run log format.

The following information will be recorded in the file for each element played out to air: on-air date, on-air time, on-air duration, Name, VarID, UmID, LSM ID, TC IN, TC OUT, end date, end time.

6.16. Black Clips Management

6.16.1. Introduction

A black clip is a clip represented by a black sequence in the video track and a mute sample in the audio track.

It can be automatically inserted in a playlist under specific circumstances when working with Fill and Key playlists.

Moreover, a black clip can also be manually inserted as described in "How to Manually Insert a Black Clip in a Playlist" on page 148.

When inserted into a playlist, a black clip is played out like a normal element. Therefore, it is taken into account for on-air time calculation and remaining time calculation. Black clip related information will be displayed on OSD while played out. Almost all operations allowed on playlist elements will be possible on a black clip. Refer to section "Limitations" on page 148 for restriction on authorized operations. In addition, when a playlist containing black clips is copied to another EVS video server, black clips are kept.

6.16.2. Limitations

- A black clip will not be seen in the Database Explorer.
- It is not possible to load a black clip as a clip on a Control Panel.
- The following operations cannot be performed on a black clip: copy, move, update, delete, backup, restore
- A black clip cannot be renamed.
- The only type of tag allowed on a black clip is GPI. That is understandable as there is no audio on black clips.
- The following types of macro command cannot be performed on a black clip: Hide/mute/audio swap

6.16.3. How to Manually Insert a Black Clip in a Playlist

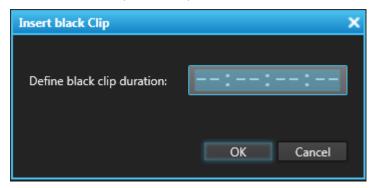
To manually insert a black clip into a playlist, proceed as follows:

- 1. In the Playlist Panel, open the selected playlist.
- 2. Right-click an element.

The Playlist Element contextual menu is displayed.

3. Select Insert Black Clip from the menu.

The Insert Black Clip window opens:



- 4. Enter a duration for the clip in the **Define Black Clip Duration** field.
- 5. Click **OK** or press **ENTER**.

The black clip is inserted before or after the selected element in the list depending on the Insert mode in playlist parameter of the playlist settings.



6.16.4. How to Modify a Black Clip Duration

To modify the duration of an existing black clip, proceed as follows:

- 1. In the Playlist Panel, open the selected playlist.
- 2. Right-click the black clip element.

The Playlist Element contextual menu is displayed.

3. Select Modify Black Clip from the menu.

The Modify Black Clip window, which is similar to the Insert Black Clip window, opens.

- 4. Modify duration for the clip in the **Define Black Clip Duration** field.
- 5. Do one of the following:
 - Click **OK** or press **ENTER** to validate the operation.

The window closes and the black clip duration is updated.

- Click Cancel to abort the operation.
- Press ESC to reset the duration value to the previous one
 The window remains open.

7. Ganged Playlists Management

7.1. Introduction

If you want to play ganged playlists, you first need to create them one by one and then link them all together in the order you want. Afterwards, you could load them on ganged player channels.



NOTE

When you create a new playlist, if the channel associated to the playlist panel is ganged to other channels, only one playlist will be created.

This section refers to normal playlists. See section <u>"Fill and Key Playlists" in the General</u> Functions user manual for information on Fill and Key playlists.

7.2. Linking or Unlinking Playlists

How to (Un)Link Playlists

To link several playlists together, proceed as follows:

- From a bin or from the Playlists tree view of the Database Explorer, select all the playlists you want to link together in the order you want them to be linked. Do one of the following:
 - to select a list of contiguous playlists, press SHIFT and select the first and last playlists of the list.
 - to select non-contiguous playlists, press CTRL and select the playlists.
- 2. Right-click the Playlist grid.

The Playlist contextual menu opens.

3. Select Link.

The playlists are linked in the order they have been selected by the operator.

Information appears for each linked playlist in the **Ganged** column of the Database Explorer.

Unlink Playlists

To unlink playlists, proceed in the same way but select **Unlink** from the contextual menu.



NOTE

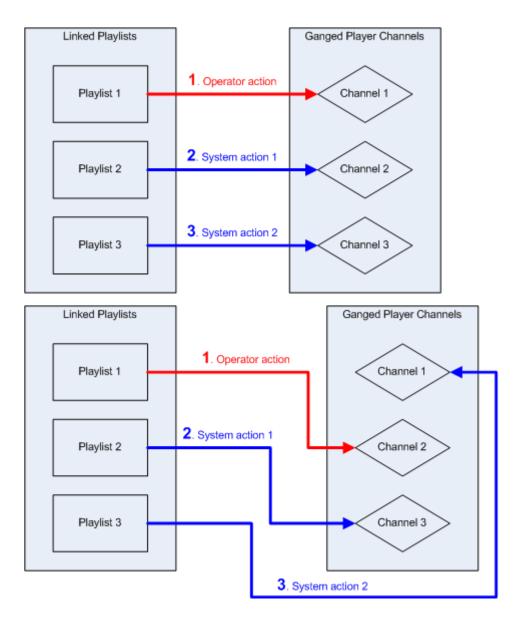
To unlink playlists, all the selected playlists must have been linked in the same group. Otherwise, the **Unlink** option is dimmed and cannot be selected.



7.3. Loading Playlists on Ganged Channels

When player channels have been ganged and playlists have been linked, loading one playlist of the group on one of the channels will result in the loading of each of the playlists on the different ganged channels.

Linked playlists will be loaded in the order they have been linked, as shown in the figures below:



Linked Playlists

Playlist 1

1. Operator action

Playlist 2

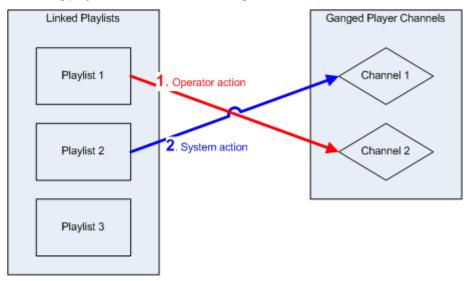
2. System action 1

Playlist 3

3. System action 2

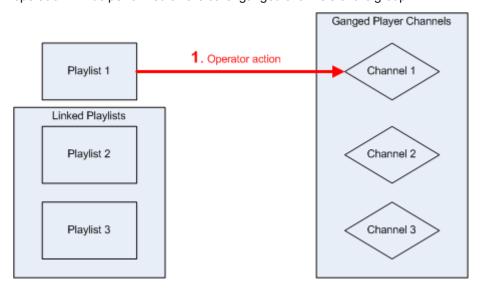
If there are more ganged channels than linked playlists, nothing will happen on the exceeding channels, as described in the figure below:

If there are more linked playlists than ganged channels, nothing will happen to the exceeding playlists, as described in the figure below:





In case the playlist loaded on one ganged channel is not linked to other playlists, no operation will be performed on the other ganged channels of the group:



7.4. Modifying Information of a Linked Playlist

In case you modify information of one linked playlist, such as name, tape ID, keywords, playlist type, sent to destinations, published to groups, metadata, modifications will only be applied to the selected playlist. See section "Modifying Playlist Information" on page 54.

7.5. Operations on Elements from Linked Playlists

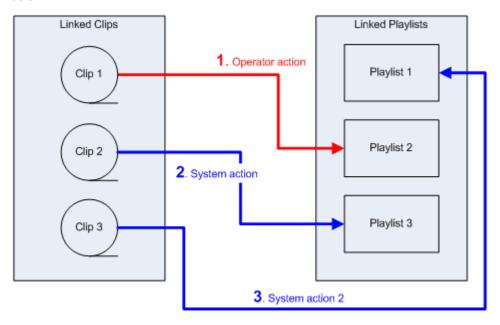
7.5.1. Inserting Clips in Linked Playlists

When playlists have been linked together on one hand and clips have been linked together on the other hand, inserting one clip of the group in one of the playlists will result in the insertion of each of the clips in the different linked playlists.

7.5.2. Rules for Inserting Clips

The following rules apply when clips are inserted into linked playlists:

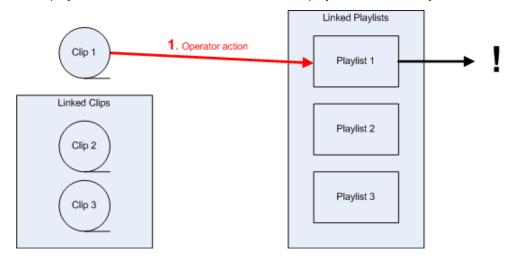
 Linked clips will be inserted in the order they have been linked, as shown in the figure below:



- When the operator insert a linked clip after a given playlist element, the system will
 insert other linked clips of the group after the corresponding element in the other
 playlists.
- If there are more linked playlists than linked clips, nothing will happen on the
 exceeding playlists. A warning message will be displayed in the Status Bar to indicate
 that playlists are now desynchronized.
- If there are more linked clips than linked playlists, nothing will happen to the exceeding clips.



In case the clip inserted in one linked playlists is not linked to other clips, no operation
will be performed on the other linked playlists of the group and a warning message will
be displayed in the Status Bar to indicate that other playlists are now desynchronized.



7.5.3. Common Operations on Playlist Elements

When the following operations are performed on linked clips from linked playlists, the operation will be performed on the corresponding elements from all the linked playlists of the group:

- · Delete an element
- Update an element
- Move an element within a playlist
- Insert a playlist in another playlist: the playlist will be inserted as a group into the other playlist. The behavior is the same as inserting an element into a linked playlist:
 - a. inserting a linked playlist (from group 1) in another linked playlist (from group 2) will result in the insertion of the other playlist from the first group into the each of the playlists of the second group.
 - b. if there are more playlists in group 2 than in group 1, a warning message will be displayed to indicate that playlists (from group 2) are now desynchronized.
 - c. if an unlinked playlist is inserted in a linked playlist, a warning message will be displayed to indicate that playlists are now desynchronized.

8. Playlist Settings

8.1. Introduction

The default settings and behavior for the Playlist Panel module can be defined in the Playlist Panel category of the IPDirector Settings window.

Click **Tools > Settings** to open the IPDirector Settings window.

Then click a sub-category for Playlist settings.

Several categories of settings are available: General, Melt Colors, Default Transition, Audio Swap, Macro Commands, Auxiliary Track and AB Roll.

Melt settings are described in the related chapter in the current manual. See section "Defining the Melt Settings" on page 180.

AB Roll settings are detailed in the IPDirector AB Roll manual.

8.2. General Settings

Insert Mode in Playlist

Defines where a new element will be inserted into the playlist:

- · before selected element
- after selected element.

Insert Clips at Slo-Mo Speed

When a super slow motion (SLSM) clip is inserted in a playlist, the speed of the SLSM clip will be taken into account provided that the present setting has been selected and the clip is added from the IPDirector interface. The speed will be 33% for "SLSM clips 3x", 50% for "SLSM clips 2x", or 10% for "SLSM clips 10x".

If the setting is not selected, the default speed defined in "Default Transition Settings" on page 159 is taken into account.

Remaining Time Information

Defines which information will be displayed in the Playlist Panel and on the OSD:

- Time until next break
- Time until next unavailable element

An unavailable element is a playlist element that is not available on the XNet network and can therefore not be played out. This is either a virtual element, an element on an off-line server, or an element on-line or off-line on the GigE network.

156 8. Playlist Settings



Define Pre-Roll Duration

Defines the pre-roll duration related to the preview transition.

Start on Time Security Warning

A warning message will be displayed when defining a new start-on-time if it is too close to another start-on-time.

Defines the period of time below which the warning message will be displayed.

Set New Playlist as Default Playlist

This option makes it possible to set a new playlist as the default playlist. Checking this option will automatically tick the Set as default playlist check box in the Create a New Playlist window.

Disable Double-Click on Playlist

By default, double-clicking a playlist element will cue and pause the element, so that it is ready to be played out.

If you select this option, double-clicking a playlist element will neither cue this element, nor stop the playlist while it is being played out.

TC Track

Default TC Track Value

The value set in the 10:00:00:00 field is used as the initial timecode value for the playlist when a continuous timecode track is generated, in other words, when the Regenerate TC Output option of the Playlist contextual menu is selected.

The default value is 10:00:00:00 but it can be changed from the field 10:00:00:00

See section "Generating Continuous TC Track" on page 92.

This value is also used when a melt is created from a playlist.

See section "Creating the Melt" on page 180.

[Always Validate TC Track at Backup]

When this option is selected, a dialog box pops up each time you request a playlist or timeline backup. The dialog box allows changing the TC track value of the playlist or timeline.

This applies to the melt creation as well. See section "Creating the Melt" on page 180.

8. Playlist Settings 157

Keep Original Logs in Melt Workflow

This option is used if, when you create a melt from a playlist, you want to generate a logsheet with the original logs previously placed on the clips making up the playlist.

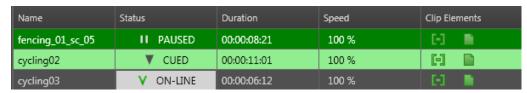
See section "Archiving Multiple Clips into One Single File - Melt" on page 180.

Font Size

This setting defines the size of the elements (icons, text) in the playlist grid.

Two options are available: Small Font (default) and Big Font.

Example of a playlist panel in small size:



Example of a playlist panel in big size:

Name	Status	Duration	Speed	Clip Elements
fencing_01	II PAUSED	00:00:08:21	100 %	[-]
cycling02	▼ CUED	00:00:11:01	100 %	H 1
cycling03	▼ ON-LINE	00:00:06:12	100 %	[+]

When Splitting an Element

This parameter defines the type of transition to apply between two elements resulting from the split of an element. Two options are available.

- Apply an automatic transition
- · Apply a "Stop on last frame of previous clip" transition.

This parameter is independent of the **Playlist > Default Transition** setting which can be set to automatic by default.

8.3. Colors Settings

Colors

The Default colors used within the Playlist area can be set using a color palette to any colors desired.

Click a **Define Foreground** button or a **Define Background** button to open the color palette.

158 8. Playlist Settings



Status Bar Information

This setting defines which parameters are displayed in the bottom of the Status Bar information. Up to 4 parameters can be shown at the same time: total playlist duration, End-Cue, As Run Log, Post-Roll. However, the Playlist Panel will have to be enlarged to enable the users to see all the required information in case the 4 parameters are selected.

8.4. Default Transition Settings

Default Speed for Elements

This option is to define the default speed of the elements when they are placed into a Playlist. The field displays a list of preset values.

If an unknown speed is allocated to a playlist element it will be played out at the speed defined on the channel when the element comes to air, for example the speed at which the previous element on-air played at.

Default A/V Effect Parameters

This area allows the users to define the default audio and video effects of elements added to the playlist.

As the audio and video effects are linked, selecting a video effect will automatically set the default audio effect.

- Select a pair of transition effects.
- Enter the duration for the transition effect (other than Cut) in seconds and frames in the Effect Duration field. The same duration will automatically apply to the video and the audio transition effects.
- 3. For Wipe effect, select Left to Right or Right to Left.

Default Still and Start Mode

Defines the default stop (still) and start modes of elements added to a playlist.

Still Mode

The still mode setting determines if the playlist should stop on the selected element and if it should stop where it stops and how it should behave.

8. Playlist Settings

The options are:

- Stop on first frame of current clip
- Stop on last frame of previous clip
- Stop on last frame of the previous clip, wait, then jump on first

The playlist will stop on the last frame of the previous clip, then jump on the first frame of the selected element after a certain time which is defined in the value box.

Start Mode

If a Still mode is defined, one of the following start modes must be defined on the selected element. If **Automatically** was already selected when a Still mode is defined, it will be changed to the **Manually** option of start mode as the modes are mutually exclusive.

- Manually: the selected element must be started manually (by a Play or Play Var command) on the Playlist Panel, keyboard or ShuttlePRO controller.
- On GPI: the selected element will be started when a GPI trigger is received on the
 corresponding EVS server (the one the playlist is to be played on). The GPI number
 and its trigger mode are defined in the Tools > Settings > Input GPIS category.

When **On GPI** is selected, the corresponding GPI, which has been configured to start a PLAY command on the on-air channel associated to the Playlist Panel, is displayed in the description field.

- On Time, at: the element will start at the defined time.
 - Start only if the element is loaded on the channel: the playout will only be started if the element is loaded on the channel at the specified time (start-on-time).
 - Start even if the element is not loaded on the channel: the playout will be started even if the element is not loaded on the channel as far as the playlist is loaded on the channel (jump-on-time).

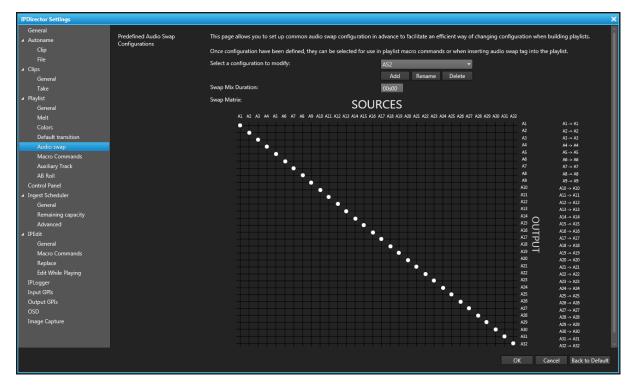
160 8. Playlist Settings



8.5. Audio Swap Settings

NEW!

Overview



This setting allows the user to set up common audio swap configurations in advance to facilitate an efficient way of changing configurations when building playlists.

Common configurations can be made, named and added to a list using this set-up area.

Once configurations have been defined they can be selected for use using the Insert/Edit Tag command from the Playlist Panel contextual menu. See section "Using Action Tags into a Playlist to Trigger Transport Functions or Playout Effects" on page 117 for more information on the use of Tags.





NOTE

When you upgrade from a 16 audio channels system to a 32 audio channels system, audio swaps set in previously defined configurations are kept for the first 16 channels. The default values are set for channels 17 to 32 (A17 -> A17,...)

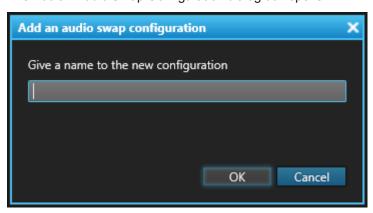
8. Playlist Settings

How to Add a Predefined Configuration

To add a configuration, proceed as follows:

1. Select Add.

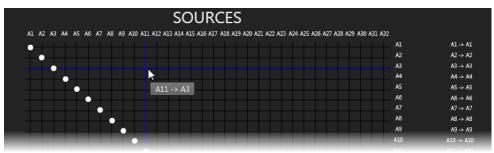
The Add an Audio Swap Configuration dialog box opens:



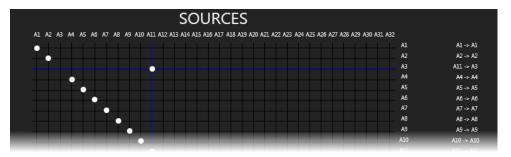
- 2. Type a name for the new configuration in the dialog box and then click the **OK** button.
- 3. Enter the duration in the **Swap Mix Duration** field.
- 4. Click on an intersection on the grid to define the output track each input would be played from.

NEW!

Perpendicular blue lines and a tooltip help you to identify your selection:



The dot then moves to the new position and the reference field, next to the grid, shows the tracks involved in the transition:



- 5. Repeat step 5 as many times as needed.
- 6. Click OK.

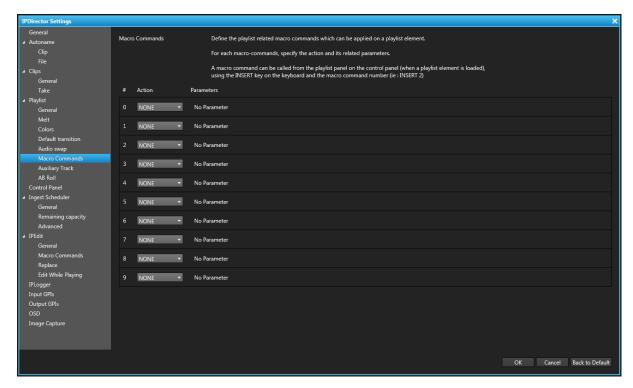
162 8. Playlist Settings



8.6. Playlist Macro Commands Settings

8.6.1. Overview

Purpose



In this window, the user can define up to ten macro commands and specify which action, and its related parameters, corresponds to each macro command.

To modify a macro command, a double-click in the selected macro command zone will display the macro command parameters dialog box.

Field

Macro command number (from 0 to 9).

8. Playlist Settings

Action Field

This lists the kinds of actions which can be associated to a macro command:



Parameters

Displays different parameters depending on the type of macro command selected.

GPI: GPI number, type and pulse duration, the position the GPI is linked to and the eventual delay or advance.

Mute On / Mute Off: the position the Mute tag is linked to and the duration value for the audio mix transition effect.

Audio Swap: "Audio Sources" -> "Outputs", e.g. a1 -> a3.

Effect: video effect type and duration, audio effect type and duration.

Still/Start Mode: still mode option, start mode option.

Freeze: the position the Freeze tag is linked to, the Freeze duration, mode and type.

8.6.2. **Action = None**

The corresponding macro command is reset and the parameters zone is cleared.

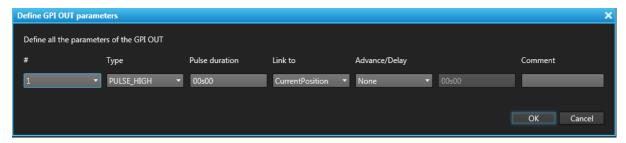
164 8. Playlist Settings



8.6.3. Action = **GPI OUT**

When an OUTPUT GPI action is applied to an element at a given timecode, the action associated to this OUTPUT GPI is triggered at this timecode value.

Selecting GPI OUT action in the Playlist Macro Commands Settings displays the Define GPI OUT Parameters window.



- GPI Number

This corresponds to the GPI number in server tag:

- From 1 to 4 if TTL GPIs are set as input GPIs in Tools > Settings > Input GPIs
- From 1 to 8 if TTL GPIs are set as output GPIs in Tools > Settings > Output GPIs
 Refer to Settings > GPI Settings in part 1 of the manual.

Type

This corresponds to the type of signal in server tag that the GPI key will have to send to the third device:

Trigger Mode		Description
Pulse Rising Edge		The GPI signal will be a rising edge pulse.
Pulse Falling Edge		The GPI signal will be a falling edge pulse.
Level High		The output level is set to high.
Level Low	7	The output level is set to low.

Pulse Duration

When a "Pulse" signal has been defined, a pulse duration needs to be specified as well.

This value may range from 00s01 to 59s29 in NTSC and from 00s01 to 59s24 in PAL.

8. Playlist Settings

Link to

Determines the position, in the playlist element, the GPI will be linked to.

Possible options are:

"Link to" option	Description	
Current position (default value)	GPI macro command will be linked to the current position, i.e. the timecode corresponding to the use of the macro command.	
Mark IN	GPI macro command will be linked to the IN point of the element.	
Mark OUT	GPI macro command will be linked to the OUT point of the element.	

Advance/Delay

An advance or a delay period can be defined to have the tag located before or after the position defined in the **Link to** field.

The left field allows defining the type (None, advance or delay):

Option	Description	Available for "Link to" option	
None	The GPI will be applied on the position of the "Link to" option	Current position, Mark IN, Mark OUT	
Advance	The GPI will be applied with an advance from the "Link to" option.	Current position, Mark OUT	
Delay	The GPI will be applied with a delay from the "Link to" option.	Current position, Mark IN	

The right field allows defining the duration of the advance or delay, if selected.

This value may range from 00s00 to 59s29 in NTSC and from 00s00 to 59s24 in PAL.

Comment

Free text available for the operator.

8.6.4. Action = Mute ON or Mute OFF

When a Mute ON action is applied to an element at a given timecode, the audio of the element turns to a muted state, at this timecode value, with a mix audio transition effect.

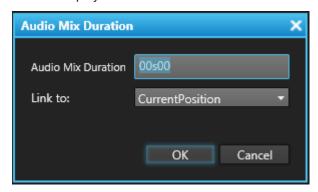
When a Mute OFF action is applied to an element at a given timecode, the audio of the element returns from a muted state, at this timecode value, with a mix audio transition effect.

These actions will apply to all the audio channels of the element where the are applied.

166 8. Playlist Settings



Selecting Mute ON or Mute OFF actions in the Playlist Macro Commands Settings window displays the Audio Mix Duration window:



Mute Duration

Allows you defining the duration value for the audio mix transition effect. Limit values are 00s00 to 20s00.

Link to

Determines the position, in the playlist element, the Mute macro command will be linked to.

Possible options are:

"Link to" option	Description	
Current position (default value)	Mute macro command will be linked to the current position, i.e. the timecode corresponding to the use of the macro command.	
Mark IN	Mute macro command will be linked to the IN point of the element.	
Mark OUT	Mute macro command will be linked to the OUT point of the element.	

8.6.5. Action = Hide ON or Hide OFF

When a Hide ON action is applied to an element at a given timecode, the video output turns instantly to a black screen at this timecode value.

When a Hide OFF action is applied to an element at a given timecode, the video output turns instantly from a black screen to the video of the element at this timecode value.

Selecting Hide ON or Hide OFF actions in the Playlist Macro Commands Settings does not display any configuration window as there is no parameter to define.

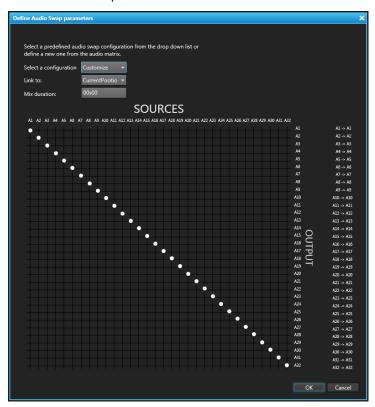
8. Playlist Settings

8.6.6. Action = Audio Swap

When an Audio Swap action is applied to an element at a given timecode, audio tracks are swapped according to the selected configuration.

Selecting Audio Swap action in the Playlist Macro Commands Settings displays the Define Audio Swap Parameters window:





Select a Configuration

Allows selecting a predefined configuration, either configured from **Tools > Settings > Playlist > Playlist / Audio Swap**, or configured from the current window as described hereafter.

See section "Audio Swap Settings" on page 161.

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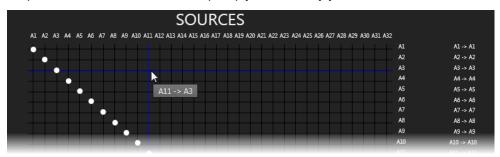


How to Define a New Audio Swap Configuration

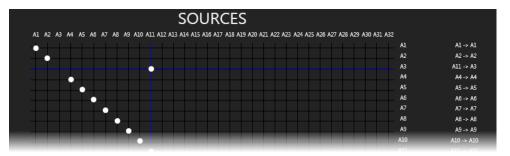
- 1. Make sure the option selected in the **Select a Configuration** field is **Customize**.
- 2. Click on an intersection on the grid to define the output track each input would be played from.



Perpendicular blue lines and a tooltip help you to identify your selection:

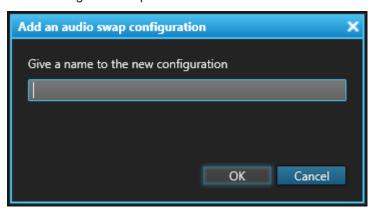


The dot then moves to the new position and the reference field, next to the grid, shows the tracks involved in the transition:



- 3. Repeat step 2 as many times as needed.
- 4. Click OK.

The following window opens:



- 5. Enter a name for the configuration.
- 6. Click OK.

8. Playlist Settings

The details of the Audio swap will be written in the Playlist > Macro Commands settings window:



Link to

Determines the position, in the playlist element, the Audio Swap macro command will be linked to.

Possible options are:

"Link to" option	Description
Current position (default value)	Audio Swap macro command will be linked to the current position, i.e. the timecode corresponding to the use of the macro command.
Mark IN	Audio Swap macro command will be linked to the IN point of the element.
Mark OUT	Audio Swap macro command will be linked to the OUT point of the element.

Mix Duration

Displays the mix duration value of the selected pre-defined configuration. This value may be changed. Limit values are 00s00 to 20s00.

Swap Audio Grid

Displays the Swap Audio grid of the selected pre-defined configuration.

170 8. Playlist Settings



8.6.7. Action = Effect (Audio and/or Video)

When an Effect action is applied to an element, a transition audio and video effect is applied. See section "Adding Audio / Video Transition Effects" on page 101 for more information on this effect.

Selecting Effect action in the Playlist Macro Commands Settings displays the Define Audio/Video Effect window.



The audio effect will apply to all the audio channels of the element where the are applied.

Effect Duration

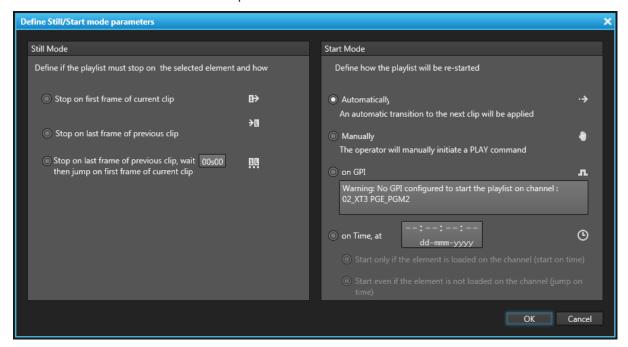
Allows you to define the duration of the audio and video transition effects, in case "mix" or "wipe" has been selected.

8. Playlist Settings

8.6.8. Action = Still/Start Mode

When a Still/Start Mode action is applied to an element, a specific way of stopping and starting the playout of the element is applied. See section "Define Still/Start Mode Window" on page 110 for more information on the different options.

Selecting Still/Start Mode action in the Playlist Macro Commands Settings displays the Define Still/Start Mode parameters window:



8.6.9. Action = Default Transition

When a Default Transition action is applied to an element at a given timecode, the playout parameters are reset to the default values specified in the **Tools > Settings > Playlist > Playlist / Default Transition** category.

Selecting Default Transition action in the Playlist Macro Commands Settings does not display any configuration window as there is no parameter to define.

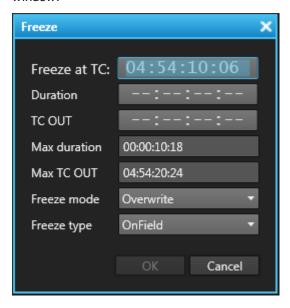
172 8. Playlist Settings



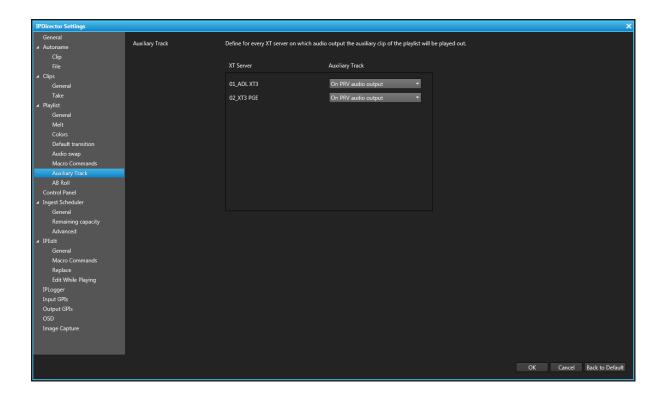
8.6.10. Action = Freeze

When a Freeze action is applied to an element, a Freeze effect is inserted within the element. See section "Inserting a Freeze Effect in a Playlist Element" on page 114 for more information on this effect.

Selecting Freeze action in the Playlist Macro Commands Settings displays the Freeze window:



8.7. Auxiliary Track Settings



8. Playlist Settings

It is possible to define an auxiliary clip in the Playlist Panel. The audio track of this auxiliary clip can be played instead of the audio track of the played clip. For more information on the auxiliary track, see section "Associating an Auxiliary Audio Clip to a Playlist" on page 140.

The Auxiliary Track Settings category allows the user to specify on which audio output the audio track of the auxiliary clip should be played.

The Auxiliary Track Settings category will only be available if the EVS server is configured in IPDP mode.

The EVS server lists displays all the EVS servers available on the XNet network. The settings for auxiliary track audio outputs are made for each EVS server being controlled by IPDirector. Therefore the EVS server must be selected from the list and then have the settings applied.

The auxiliary track output can be one of the following:

Output	Description
On PRV audio output	The audio track of the auxiliary clip will use the audio outputs normally assigned to the PRV player channel. If no PRV channel is available, the auxiliary track will not be assigned to any audio output.
On PRV and 7/8 – 15/16 outputs	The audio track of the auxiliary clip will use the audio outputs normally assigned to the PRV channel, if any, plus all the audio outputs from 7-8/15-16 that have not yet been assigned to another channel. Use this option if you need an auxiliary track without PRV channel available.
On PGM audio output	The audio track of the auxiliary clip will use the audio outputs normally assigned to the PGM player channel.

174 8. Playlist Settings



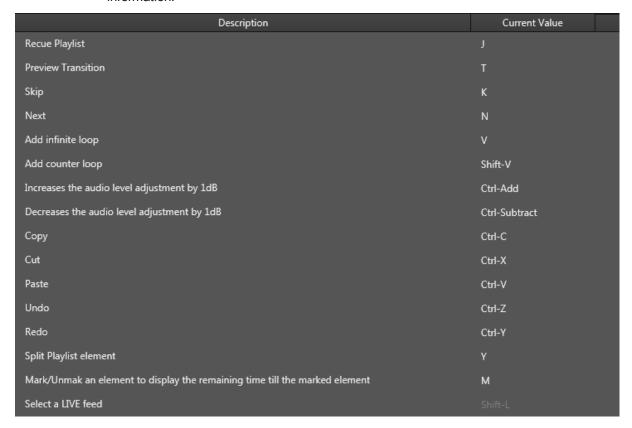
9. Playlist Panel Shortcuts

Keyboard shortcuts are available to perform some operations.

They are listed in the Define Shortcuts windows which can be accessed by clicking the **Tools > Define Shortcuts** option from the menu bar of the IPDirector main window and then selecting the **[Application Name]** button on the left.

Some shortcuts can be redefined to suit individual preferences. They are displayed in regular text. Other ones cannot be modified. They appear as dimmed text.

See section "Shortcut Definition" in the General Functions user manual for more information.



9. Playlist Panel Shortcuts 175

	Description	Current Value
Gang channel – Synchronize		Ctrl-S
Gang channel – gang/ungang a channel		Ctrl-G
Gang channel – gang/ungang ALL		Shift-G
Goto TC		G
Goto Remaining Time		R
Grab Thumbnail		Shift-P
Capture image to default directory		С
Capture image to user defined file		Shift-C
Var play		Ctrl-P
Return		Х
Snap to LIVE		Q
Mark IN		I
Clear IN		Ctrl-I
Goto IN		А
Mark OUT		0
Clear OUT		Ctrl-O

Goto OUT	E
Send clip to default bin	Shift-B
Send to Archive (default Xfile)	Shift-X
Save clip	S
PLAY	Р
Change the speed of the on-air element	
PAUSE	Space
Fast Forward (FF)	F
Fast Reverse (FR)	W
E/E	L
Activate/Deactivate 2nd controller	D
Turn OSD ON or OFF	Shift-F5
Lock/Unlock channel	Ctrl-L
Change LOOP mode	В

Undo Operation

The Undo function applied to the Playlist Panel allows the system to go back to its previous state. The keyboard combination associated to the UNDO function is CTRL-Z. The function is only available if it is called when the Playlist Panel interface has the focus on.

The last 20 levels of operations can be undone.



The operations are memorized by playlist. The system memorizes all operations done on a playlist by all users. This involves the two following situations.

- When a user performs an undo operation, it is always the last action which is undone whoever has made the operation.
- If the user closes the Playlist Panel, then re-opens it, the undo levels should still be available because they are saved by playlist and are not linked to an interface.

9. Playlist Panel Shortcuts

EVS Server Channel On-Screen Display

10.1. Introduction

The channel's OSD will depend on the settings defined in the **Tools > Settings > Playlists > Playlist / OSD** category. The sections below give an indication on the place where the information will be displayed on screen.

10.2. On-Screen Display in Playlist Playout Mode

If the playlist is being played out on the output of an EVS server channel the channel's OSD can show the following information:

PL11/03	PL is always displayed. 11/03 corresponds to the LSM ID of the playlist loaded on the channel.
Nxt Brk 00:17:13	"Nxt Brk" is always displayed. "00:17:13" corresponds to the remaining time till the next break in the playlist.
hh:mm:ss:ff	On-air timecode.
00:17:13	Remaining time till the next element starts.
Spd	Current playout speed.
111A	Shows the LSM ID of the current element.
ClipName	Name of the clip (truncated to 16 characters) if defined.
001/999	Element number in the playlist (e.g. 001) followed by the number of elements in the playlist (e.g. 999).

A key is displayed if the channel is locked. No character is displayed if the channel is not locked.



NOTE

When a virtual element is included in the playlist that is being played out, the OSD on the preview channel will display the comment "not available" on a color clip (grey).

Post Roll

When a post-roll is activated, a "P" is displayed.



10.3. EVS Video Server Channel On-Screen Display in Playlist Edit Mode

If the playlist is in Edit mode and on-line on the output of an EVS server channel the channel's OSD can show the following information about the playlist:

PL11/03	"PL" is always displayed and is followed by the LSM ID of the playlist loaded on the channel (e.g. 11/03).	
Nxt Brk 00:17:13	"Nxt Brk" is always displayed and is followed by the duration until the next break (e.g. 00:17:13).	
V Eff ss:ff	"V Eff" corresponds to the video effect type defined for the transition of this playlist element: cut/mix/wipe. "ss:ff" corresponds to the video effect duration in seconds and frames.	
Spd.Unk	Corresponds to the playout speed defined for the playlist element. The format corresponds to a percentage. If speed is unknown, Unk is displayed.	
hh:mm:ss:ff 00:07:13	TC IN of the element followed by the element duration.	
Spd	Shows the current playout speed	
111A/02	Shows the LSM ID of the current element (e.g. 111A/02).	
ClipName	Name of the clip (truncated to 16 characters) if defined.	
001/999	Element number in the playlist (e.g. 001) followed by the number of elements in the playlist (E.G. 999).	

11. Archiving Multiple Clips into One Single File - Melt

11.1. Context of Use

Users may want to archive a huge amount of valuable clips as a single entity with the metadata of the different elements. So, the number of items archived is reduced.

This is done by means of a playlist, used as a container. Selected clips are added to a playlist, reordered if necessary, and the playlist is sent to a selected destination, target, nearline, or bin.

The resulting entity is called a melt in the IPDirector application and in the manual.

The melt consists of a high resolution file and a low resolution file. Both files are sent to the selected nearline while the high resolution file is sent to the selected target.

At the same time, a logsheet is created and sent to the selected logsheet directory. It contains logs set at the starting timecode of each playlist element of the melt. This will help users to quickly find the clip they are looking for when the melt will be restored. The logsheet may also contain the logs of the original clips, if required.

When needed, users will be able to load the melt on a Control Panel and browse the file, or they will be able to load a log on a Control Panel and browse the related clip.

11.2. Creating the Melt

11.2.1. Steps for the Creation of a Melt

Defining the Melt Settings

Introduction

A setting category is specifically dedicated to the melt creation process: **Tools > Settings > Playlist > Melt**. However, the TC Track settings from the **Tools > Settings > Playlist > General** category apply to the melt as well.

You can modify the settings provided that they have not been set to **Global** from the User Manager.

TC Track

The **TC Track** settings are used to define the start timecode of the melt. Go to **Tools > Settings > Playlist > General**.



- Set the start timecode of the melt from the 10:00:00:00 field.
 - When the melt is created, a continuous timecode track is generated over the melt and its start timecode corresponds to the value set as the **TC Track Value** setting under **Tools > Settings > Playlist > General**.
- If you want to be able to change the start timecode at melt creation, tick the Always Validate TC Track at Backup check box (TC Track check box under Tools > Settings > Playlist > General). A dialog box will pop up when the melt creation is requested to allow the users to change the initial TC track value of the melt.

Keep Original Logs in Melt Workflow

Tick the check box if you want the logs present in the original clips, before the melt creation, to be part of the created logsheet.

Description - Format String

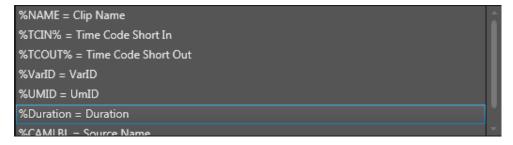
This setting defines the format string of the clip metadata which will be put in the log **Description** field.

Available clip metadata are: Clip Name, TC IN, TC OUT, VarID, UmID, Duration, Source Name.

The default format string is set from the User Manager (**Configure Sttings > Playlist**). The default factory format string of the log **Description** field contains the following clip metadata: Name, TC IN, TC OUT, Duration, VarID.

%NAME%TCIN%%TCOUT%%Duration%VarID

To add a parameter at the end of the format string, double-click it in the list.



- To delete a parameter from the format string, use the Backspace key or the key
- To move a parameter, use the CTRL+X and CTRL+V.

Creating the Playlist

Most of the possible operations are done in the same way as for usual playlists.

To archive a list of clips as a melt,

- 1. Create a playlist, as explained in section "Creating Playlists" on page 37.
- 2. Add the clips in the playlist, as described in section "Adding Elements to a Playlist" on page 72.

3. (optional) Order the clips in playlist.

The playlist elements can be manually moved, as described in section "Moving Elements within a Playlist" on page 83 or they can be ordered according to their timecode IN point, as explained in section "Ordering Playlist Elements by Timecode" on page 83.

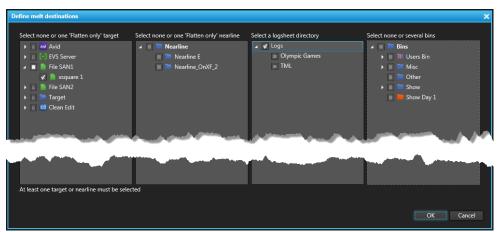
When the melt is generated, the order of the playlist elements defined in the playlist is kept within the flattened clip.

Defining Melt and Logsheet Destinations

Prior to creating the melt, define the destinations as follows:

- 1. Right-click the Playlist Name field.
- 2. Select **Define Melt Destinations** from the Playlist contextual menu.

The Define Melt Destinations window opens:



3. Select the destination(s) you want the melt to be sent to: a nearline and/or a target, and/or a selection of bins.

The available targets are the targets set from the Remote Installer and the Xsquare targets set from Xsquare.

- 4. Select the logsheet directory you want the melt logsheet to be sent to. If no logsheet directory is selected, the logsheet will be sent to the logsheet tree root.
- 5. Click OK.

Creating the Archive Melt

- 1. Right-click the Playlist Name field.
- 2. Select Create Archive Melt from the Playlist contextual menu.



3. If the TC Track check box has been selected under Tools > Settings > Playlist > General, the Set TC Track dialog box opens, allowing you to define another TC track value for the start TC of the melt:



- a. (optional) enter another value.
- b. Click OK.

A high resolution file and a low resolution file are sent to the selected nearline while the high resolution file is sent to the selected target. The high resolution file can therefore be deleted from the nearline, as it is stored in the archive target.

A logsheet is created and sent to the selected logsheet directory.

The melt creation can be monitored through the Transfer Monitoring window (Tools > Transfer Monitoring).

11.2.2. Limitations and Rules for the Creation of Melt, Logsheet and Logs

Limitations and Rules for Melt Creation

When a melt is created, the following limitations and rules apply.

- The following elements are not taken into account in the melt:
 - playlist elements referring to clips which have no on-line high resolution element
 - live trains
 - virtual elements
- The guardbands from the original clips are not saved in the melt.
- In case playlist elements have been trimmed, the trimmed areas are not saved in the melt.

- The melt does not take into account the following playlist element properties:
 - transition effects: the transition effects of the melt are always CUT
 - loop
 - group
 - tag
 - freeze
 - comment
 - Still/Start mode
- · The melt takes into account the following features:
 - split
 - speed: If the speed of a playlist element differs from 100%, it will be converted into 100% and the element duration will be adapted accordingly. For example, an element with a duration of 30 seconds and a speed of 50% would play during 1 minute; it will be saved in the melt with a speed of 100% and a duration of 1 minute.
 - black clips
- It is not yet possible to restore each clip individually from the archived melt with all the properties of the original clip.

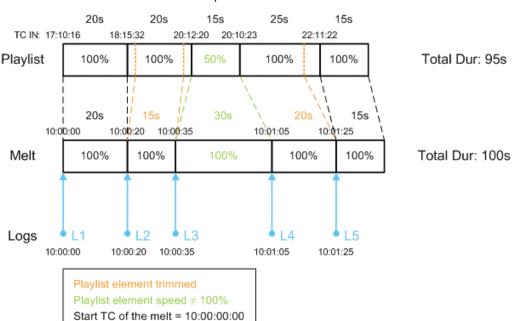
Rules for Logsheet and Logs Creation

The logsheet is created to provide markers, the logs, which will allow users to quickly jump to the different archived clips once they will browse the melt.

The following rules apply.

- Its logs must cover the entire melt file. The logsheet contains a log per playlist element, set at the starting timecode of the corresponding element in the melt.
- When a playlist element has been trimmed from the original clip, the log is placed at the TC IN of the playlist element. Trimmed areas are not kept in the melt. This is shown in orange in the picture below (2nd and 4th element).
- If the speed of a playlist element differs from 100%, it is brought back to 100% in the melt and its duration is adapted accordingly. This impacts the position of the next logs, as shown in green in the picture below (3rd element).
- All the log TCs are relative to the start TC of the melt defined from the settings or from the Set TC Track dialog box.





All these rules are summarized in the picture below:

Limitations and Rules when Original Logs are Kept in the Melt

Logs present in the clips before the melt creation will be part of the created logsheet, provided that the **Keep Original Logs in Melt Workflow** setting has been selected from **Tools > Settings > Playlist > General**.

The following limitations and rules apply.

- As the speed of each playlist element is converted to 100% during the melt creation, each log TC is adapted to stick with the original frame where it has been placed in the clip.
- Logs which would be located in area trimmed from the playlist elements will not be saved in the logsheet.
- The TC IN point of each playlist element is kept in the melt but its TC OUT point is excluded. So, a log put on the TC OUT point will not be saved.

11.2.3. Metadata for Melt, Logsheet and Logs

Melt Metadata

The flattened file (melt) gets the metadata from the playlist: name, keywords, metadata profile and user fields values.

Logsheet and Logs Metadata

The logsheet inherits some metadata of the playlist.

Logsheet Metadata corresponds to	Playlist Metadata
Logsheet name	Playlist name
Profile for logsheet user fields	Playlist metadata profile
User fields and values for the profile for logsheet user fields	User fields and values from the playlist metadata profile
Logsheet keywords, Participants and Standards (= Parent Participants and Parent Keywords in the logsheet grid)	Playlist keywords, Participants and Standards

The logs inherit some metadata of the clips.

Log Metadata corresponds to	Clip Metadata	
Log interest level	Interest level of the original clip	
Profile for log metadata user fields	User fields from the metadata profile of the first clip, in the melt, which has a metadata profile.	
Values in the user fields of the profile for log metadata	 If a clip of the playlist has the same profile for log metadata as the first clip, the metadata user fields of the corresponding log receive the values from the clip. If a clip of the playlist has a different profile for log metadata than the first clip, the system checks whether there are some user fields common to both clip metadata profiles. If so, the values are copied in the log metadata user fields. 	
Log keywords, Participants and Standards	Original clip keywords, Participants and Standards	

Other clip metadata, which do not have any equivalent on the log side, can be put in the log description field. A setting is used to select the clip metadata to keep in this field. See section "Defining the Melt Settings" on page 180.

Rules for the Creation of a Logsheet Profile

As detailed in the Metadata Profiles Management chapter, a logsheet profile consists of the combination of two profiles: a profile for logsheet user fields and a profile for log metadata. See Metadata Profiles Management section in the General Functions manual.

Based on what is mentioned in the above tables, the profile for logsheet user fields comes from the playlist profile and the profile for log metadata comes from the first clip which has a metadata profile.

• If the combination already exist as a logsheet profile, it is used for the melt logsheet.



- If the combination does not exist yet, a logsheet profile is created in the IPDirector database with a name based on the following format string: Playlist Name_Current date hours.
- In case the playlist and the first clip with a metadata profile have the same metadata profile, then, the profile is used as profile for log metadata and there is no profile for logsheet user fields.
- If neither the playlist nor any clip have a metadata profile, no logsheet profile is created.

11.3. Browsing the Melt

How to Browse a Melt

Users can browse a melt which has been archived on a nearline, even if the high resolution file has been deleted.

To do so, proceed as follows:

- 1. Open a Control Panel.
- 2. Associate the Software Player to the Control Panel.
- 3. Load the selected melt file from the nearline tree branch of the Database Explorer.

The melt file name, corresponding to the original playlist name, is displayed.

How to Browse a Clip from the Melt

To load the melt on a log timecode, corresponding to the TC IN of a playlist element, proceed as follows:

- 1. Drag the selected logsheet from the Database Explorer to IPLogger.
 - The logsheet is open in IPLogger.
 - All the logs, corresponding to the TC IN of each playlist element, are displayed in the Logs grid.
- 2. Load a log.

The corresponding playlist element is loaded on its TC IN (log TC).

If the playlist element speed differed from 100% in the original playlist, the loaded playlist element recovers its original speed, different from 100%.

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