

USER MANUAL

Version 2.3 - June 2015



LSM.Connect



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What's New?

In the LSM Connect user manual, the icon **NEW !** has been added on the left margin to highlight information on new and updated features.

The changes linked to new features in version 2.3 are listed below:

Improved clip search

- See section "Search Clip Window" on page 26
- See section "Searching for Clips" on page 42

Assigning the keywords and metadata to the preferred cam / all cam

- See section "How to Assign Metadata to a Pending Clip" on page 39

Inserting a playlist into another playlist

- See section "How to Insert a Playlist into Another Playlist" on page 58

12-Channel support

- See section "Clip Display in Grid and List View" on page 16
- See section "Overview of the Grid View" on page 11
- See section "Overview of the List View" on page 13
- See section "Customization Settings" on page 70

New setting for a confirmation message after clip and/or playlist deletion

- See section "Customization Settings" on page 70
- See section "Deleting Clips" on page 45
- See section "Managing Playlists" on page 57

1. Introduction

1.1. Product Overview

Description

The LSM Connect is a tablet-based application that allows users to manage clips and playlists stored on EVS video servers.

The application is directly connected to the Remote Panel and to the EVS video server via the Ethernet network. This gives users instant access and control of all clips and playlists created on EVS servers.

Automatic and instant synchronization between the LSM Connect and the EVS server provides an excellent interactivity, as well as an easy and intuitive solution to manage clip and playlist in a live production environment.

Compatible Hardware and Software

EVS Video Servers

The LSM Connect application shall run with EVS servers and Multicam application in the following conditions:

- It can run with XT3, XT2+, XT2 and XTnano servers.
- The EVS servers controlled by the LSM Connect shall run a Multicam version 11.02 or higher.
- NEW !** • To take full advantage of the LSM Connect 2.3 version, the EVS server should have at least a Multicam version 14.00.
- The EVS servers controlled by the LSM Connect shall be running a Multicam LSM or Replay Only application.

Tablet

When the LSM Connect connects to an EVS server, Multicam checks whether the installed version of the LSM Connect is compatible with the Multicam version. Otherwise, Multicam pushes and installs automatically the compatible version of the LSM Connect application to the tablet.

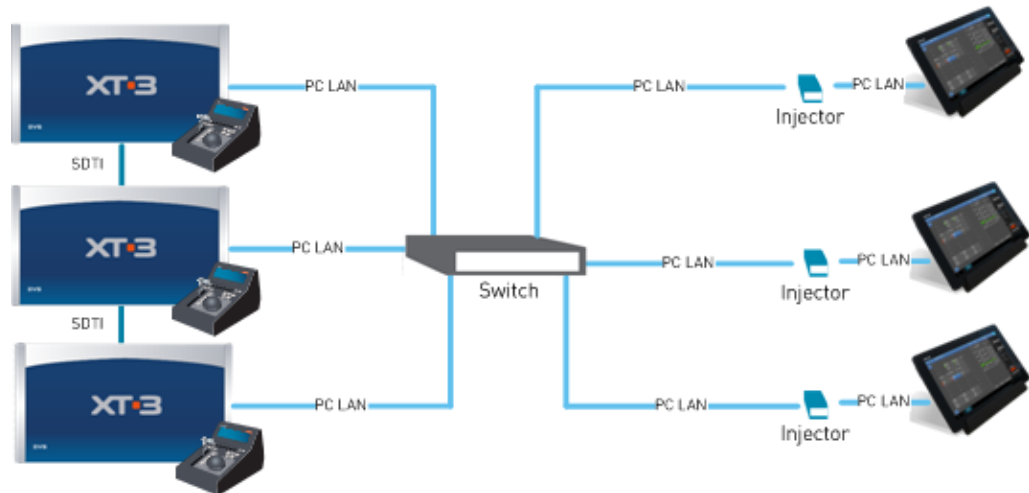
Keyboards

LSM Connect supports unicode characters. You can therefore connect English and other language keyboards to the docking station.

Network Architecture

The LSM Connect communicates with the Multicam application via the PC LAN network. The tablet is plugged onto a docking station that allows the connection to the PC LAN network.

The illustration below shows the network architecture. You can find detailed information on the network setup, connectivity and docking station in the LSM Connect docking station technote.

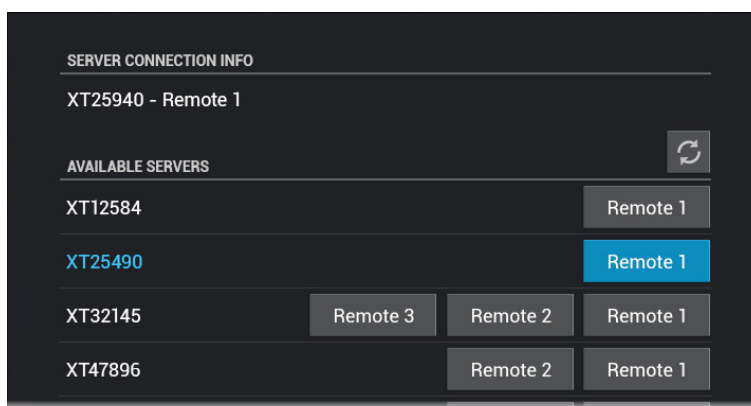


1.2. Starting and Connecting to EVS Server

To start LSM Connect and connect to an EVS server, proceed as follows:

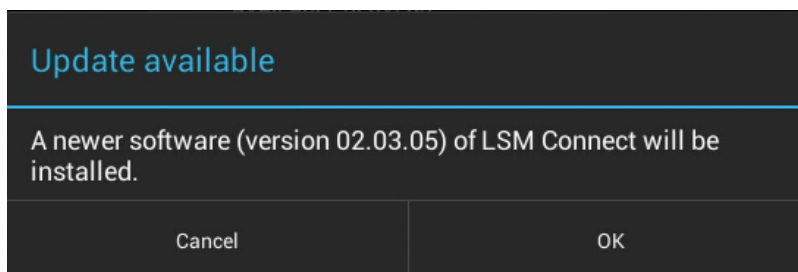


1. Tap the **LSM Connect** icon located on the main (central) home screen page.
The LSM Connect application opens on the Settings window, with the focus on the Server Connection menu.
2. In the Server Connection menu, in the list of available servers, tap the Remote button corresponding to the Remote Panel of the EVS server you want to connect to.



- If the Multicam version of the EVS server you connect to is compatible with the version of your LSM Connect tablet, the LSM Connect application initializes.
After initialization, the main window opens with the default view: clip tab on the left, playlist tab on the right.
- If the Multicam version of the EVS server you want to connect to should work with another LSM Connect version than the one installed on the LSM Connect tablet, the following message appears.

Click **OK** and follow the instructions to upgrade the LSM Connect application.



Note

With LSM Connect, you can connect to one EVS server and one LSM Remote Panel at a time.



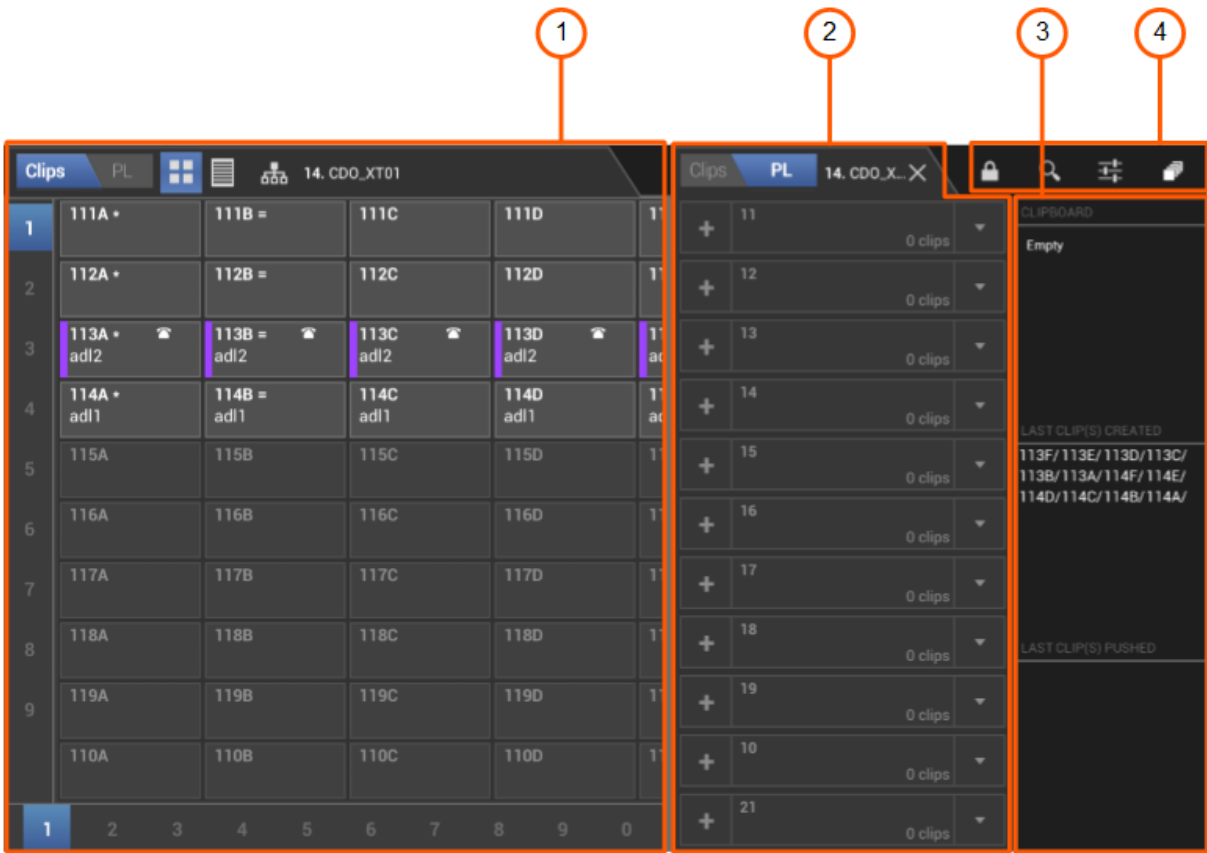
Note

When you connect to a server A, then connect to a server B, and finally connect back to the server A, the clips will be displayed as the last time you were connected to the server A.

1.3. User Interface Overview







Introduction

By default, the main window of the LSM Connect application contains the areas highlighted on the screenshot below:



Area Description

The table below describes the various parts of LSM Connect main window:

Part	Name	Description
1.	Clip area	Displays a view on the clips stored on the EVS server. The clips can be displayed in grid view  or list view  .
2.	Playlist area	Displays a view on the playlists stored on the EVS server.
3.	Toolbar area	Displays metadata information of the element (playlist or clip) selected in the clip or playlist area.
4.	Command bar	Gives access to the following windows or commands:  allows you to select multiple elements in clip/playlist area.  allows you to lock the LSM Connect main window.  allows you to search for clips based on metadata.  allows you to open the Settings window.



Note

You can easily switch the position of the clip and playlist areas, or display two clip or two playlist views at the same time by selecting the clip tab or playlist tab on the upper left corner of area.



Note

You can use the **TAB** key to move from one tab to the other using a physical keyboard.

1.4. Selecting Items

Introduction

Selecting items (clips, playlist or playlist items) is the initial step before you can apply a command.

You can select the items via the touchscreen or via a physical keyboard connected to the LSM tablet. This section details both selection methods, each time for single and multiple selection.

Basic Principles

In the clip tab, you can select one or more items at a time in the grid or list view:

- If you open a single clip tab in a grid view, you can select one or more clips **on the same EVS server**, on the same or on two different pages or banks.
- if you open two clip tabs in a grid view, you can select one or more clips **on two different EVS servers**.
- In the list view, you can select one or more clips on the same or different pages or banks, and even on different EVS servers.

When an empty clip is selected, the previous selection is cleared.

In the playlist tab, the single and multiple selections are available:

- on the list of playlists.
- on the playlist items of the open playlist.


How to Select Items with a Touchscreen

Single Selection

- To select an item, tap the item.
The selected item has a blue background.
- To select and load an item, double tap the item.
When you double-tap a playlist element in a playlist, you load the playlist.
The loaded item has a red background.

Multiple Selection

To select several items, proceed as follows:

1. Tap the multi-selection icon .
2. Tap the clips to be selected.

When the multi-selection mode is active, you can select several clips on different banks, pages of the same EVS server or even on different EVS servers.

How to Select Items with a Physical Keyboard

Single Selection

- To highlight an item, move with the Arrow keys until the item is surrounded by a dotted

line: 

- To select an item, highlight the item and press the Space bar.

The selected item has a blue background.

- To load an item, highlight the item and press



The loaded item has a red background.

Multiple Non-Contiguous Selection

To select several non-contiguous items, proceed as follows:

1. Highlight the first item you want to select with the Arrow keys.
2. Press the Space bar to select it.
3. Highlight a second item you want to select.

4. Press  +  (Space bar) to select the second item.
5. Repeat steps 3 and 4 for all items you want to select.

Multiple Contiguous Selection

In a multiple contiguous selection, the empty positions are ignored.

To select several contiguous items, proceed as follows:

1. Highlight the first item you want to select with the Arrow keys.

2. Press  +  (Space bar) to select this item.

3. Move with Arrow keys to select contiguous items between the first selected item and the current highlighted position.





Note

In the specific situation where you want to use the grid view to select clips on two different pages or banks, and/or on two different servers, you have to:

1. open two clip tabs
2. use the contiguous selection method in one clip tab
3. use the non-contiguous selection method (even if the clips are contiguous) in the second clip tab.

Selection of All Clips in a Grid

In the clip tab, in grid view, tap  +  to select all clips displayed in the grid.


Contextual Action Bar

When items are selected, a blue contextual action bar (CAB) appears at the top of the window. It shows several commands you can perform on the selected items.

The screenshot below shows an example of contextual action bar when clips are selected. Other commands are available when you select other items (playlist items, or playlists):



The bar contains the following elements, from left to right:

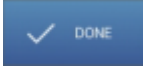

GUI element	Description
Done icon	allows you to confirm the executed action. This confirms the action and closes the CAB.
# items	displays the number of selected items, and their LSM ID.
Command icons	shows the various action buttons available for the selected elements. It depends on the context.
Multi-selection icon 	shows whether the multi-selection is activated, and allows enabling or disabling multi-selection.

How to Unselect Items

To unselect one item, do one of the following actions:

- On the touchscreen, tap again the item you want to unselect.
- With a physical keyboard, highlight the item you want to unselect and press the Space bar.

To unselect all items, do one of the following actions:

- Tap  without performing any other action.
- With a physical keyboard, press .

2. Clip Management

2.1. User Interface

2.1.1. Clip Tab

Opening the Clip Tab

The clip tab displays clips stored on the local or on a distant EVS server.

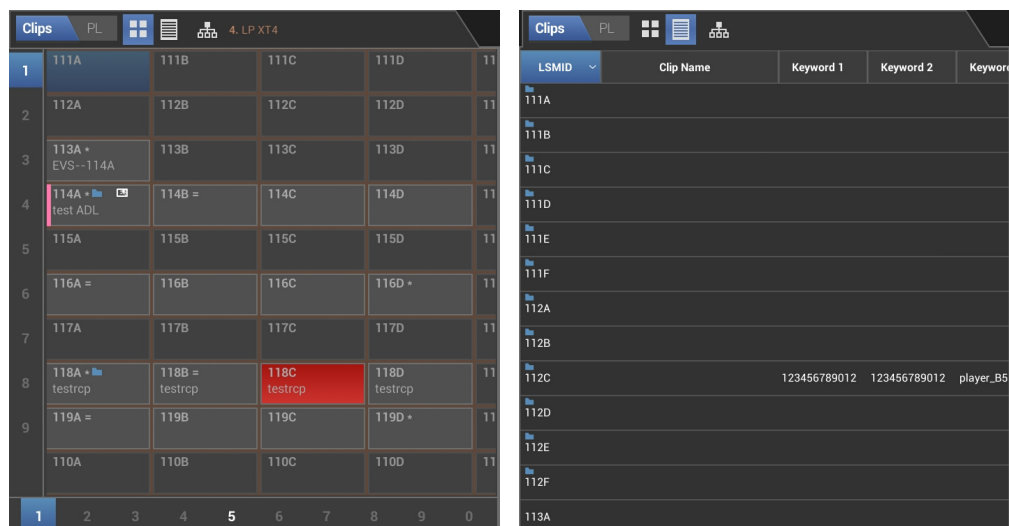
By default, the clip tab is displayed on the left of the LSM Connect main window.

However, you can display the clip tab on the right, or even open two clip tabs on the main window.

To open a clip tab in a pane, tap **Clips** at the top of the pane:



Overview of the Clip Tab



The clip tab is made up of two areas:

- The option bar at the top, which contains buttons to change the clip view and to connect to distant servers.
- The main part of the tab which shows the clips in a grid view (left screenshot) or list view (right screenshot).

The option bar is very similar in the grid or list view.

Grid View vs. List View

As mentioned above, the clips can be displayed in a grid view or list view in the clip tab.

To display the clips in a grid view, tap  in the option bar at the top of the clip tab.

See section "Overview of the Grid View" on page 11.

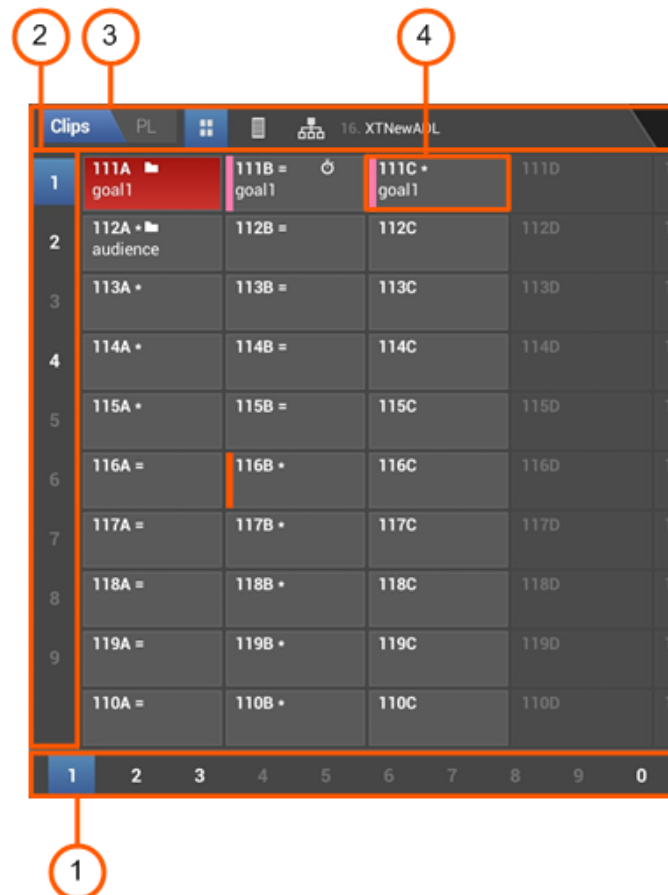
To display the clips in a list view, tap  in the option bar at the top of the clip tab.

See section "Overview of the List View" on page 13.

2.1.2. Overview of the Grid View





Introduction

In the grid view, the clips stored on page 1, bank 1 of the local EVS server are displayed by default. The empty clip positions are displayed. It is also possible to display the clips of a distant EVS servers.



Area Description

The table below presents the various areas on the grid view:

#	Area	Description
1.	Page selection	Pages with clips are in white font. Empty pages are dimmed. The current page is displayed on a blue background.
2.	Bank selection	Banks with clips are in white font. Empty banks are dimmed. The current bank is displayed on a blue background.
3.	Option bar	In the option bar, you can perform the following actions: <ul style="list-style-type: none"> Switch from clip tab to playlist tab. Switch the Clip view between grid  and list . Access the clips on a distant EVS server with . View the EVS server the displayed clips are stored on  16. XTNewADL
4.	Clip box	The clip box displays the clip information and metadata. When you select a clip, the clip metadata is displayed in a toolbar on the right of the screen. You can edit the clip metadata in the toolbar. See section "Defining Clips Metadata" on page 35

NEW !



Note

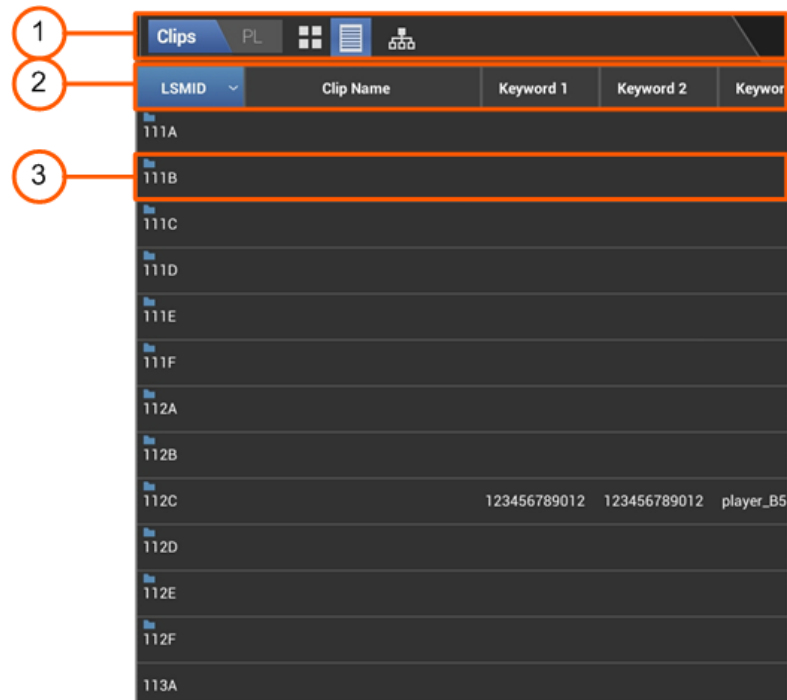
When you swipe down the grid view, you will see the cameras corresponding to the clip positions. This allows you to identify the number of recorders in the running Multicam configuration.

2.1.3. Overview of the List View

Introduction




In the list view, the clips are listed by default from the smallest to the highest LSM ID. The empty clip positions are not displayed.

It is possible to display clips of the local and/or one or more distant EVS servers in the same list.



Area Description

The table below presents the various areas on the list view:

#	Area	Description
1.	Option bar	<p>In the option bar, you can perform the following actions:</p> <ul style="list-style-type: none"> Switch from clip tab to playlist tab. Switch the Clip view between grid  and list . Access the clips on a distant EVS server with .
2.	List columns	The columns information and metadata fields are displayed in the list view. The values in a column can be sorted.
3.	Clip row	<p>The clip row displays the clip information and metadata. When you select a clip, the clip metadata is displayed in a toolbar on the right of the screen. You can edit the clip metadata in the toolbar.</p> <p>See section "Defining Clips Metadata" on page 35</p>

Columns

This section provides the list of all columns that can be displayed in the List view.

You can specify which columns are displayed, and how they are ordered in the table. See section "Customizing the List View" on page 15.

Column Name	Description
LSM ID	LSM ID of the clip
Clip Name	Name of the clip
Keyword 1 - 5	Keywords assigned to the clip
TC IN	Timecode of the short IN point of the clip
Duration	Duration of the clip in hh:mm:ss:ff
Camera	Original camera angle on which the clip has been created.

NEW !

2.1.4. Customizing the List View

Introduction

In the list view, you can customize the list as follows:

- Displaying or hiding columns in the list
- Changing the column position in the list

You can also sort the clips displayed in the list.

How to Display/Hide Columns

To display or hide columns in the list view, proceed as follows:

1. Touch and hold the column heading.
This opens the Edit Clips List Columns dialog box.
2. In the dialog box, do the following:
 - select the columns you want to be displayed
 - unselect the columns you want to be hidden
3. Tap **OK**.

You come back to the main window, and the columns are displayed or hidden in the list view based on your selection.

How to Change the Column Position

To change the column position in the list view, proceed as follows:

1. Touch and hold the column heading.
This opens the Edit Clips List Columns dialog box.
2. In the dialog box, touch and hold the column name until a green bar is displayed to symbolize the column position in the list.
3. Drag and drop the green bar to the requested position in the list.
4. Tap **OK**.

You come back to the main window, and the displaced columns are displayed in the selected order in the list view.

How to Sort Clips

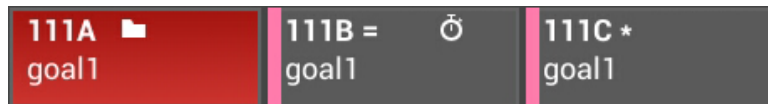
To sort clips downwards or upwards based on the field values in a column, tap the requested column heading.

2.1.5. Clip Display in Grid and List View

Introduction

NEW !

In the clip tab, in grid view, each camera angle (A to L) of a clip position is symbolized by a rectangle:




In the clip tab, in list view, each clip position is represented as a row of the list:

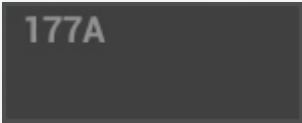

LSMID	Clip Name	Keyword 1	Keyword 2	Keyword 3
114A	test ADL	player_A4		

When you tap a clip, the full clip metadata are displayed on the toolbar area (right). You can modify the clip metadata in the toolbar area.

Clip Background or Highlight

By default, the background of the clip box or clip row is middle gray, and the clip box or clip row is surrounded by a light gray line. Other background colors have a specific meaning, as explained in the table below:

Background color or Highlight	Clip Box	Meaning
Middle gray background	171D	Filled clip position (not highlighted, not selected, and not on air).
Dimmed background (+ dimmed LSM ID)	811A *  testrcp	Codec mismatch between clip and EVS server configuration
Blue background	171B =	Selected clip
Red background	171A *	Loaded clip

Background color or Highlight	Clip Box	Meaning
Dark gray background (+ dimmed LSM ID)		Empty position This is not available in the list view.
Highlight in blue dotted line		Highlighted clip (by means of the Arrow keys, not via the touchscreen)

Local Clips vs. Distant Clips

Introduction

The local and distant clips, as well as the local or distant servers, are displayed on different backgrounds to easily identify local and distant clips.

In the Grid View

In the grid view, you can select one EVS server at a time. The EVS server name and net number whose clips are displayed in the grid are specified at the top of the clip tab, next to the **Network** icon:

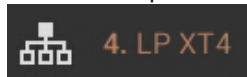
- When the clips of the local server are displayed, the server name is in a white font:



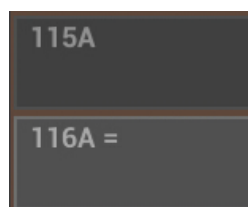
The clip boxes are displayed on a dark gray background in the grid:



- When the clips of a distant server are displayed, the server name is in a brown font:



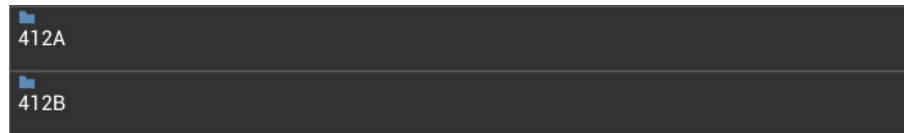
The clip boxes are displayed on a dark brown background in the grid:



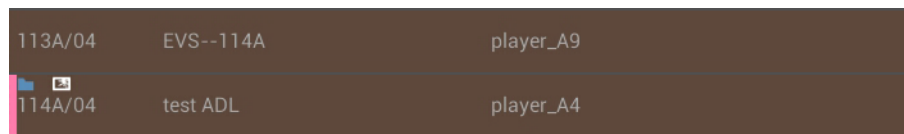
In the List View

In the list view, you can select several servers. The clips stored in the selected EVS servers are displayed in a list view, one server after the other.

- The local clips are displayed on a dark gray background:







- The distant clips are displayed on a dark brown background:



Clip Metadata

The table below describes the clip metadata displayed in the grid or list when it has been defined in the clip toolbar. A cross in the columns on the right mean the information is available in the grid view and/or in the list view:

Metadata type	Description	Grid	List
Clip LSM ID	LSM ID in white font if a clip is stored on the given LSM ID. LSM ID dimmed if no clip is stored or if the configuration does not include the corresponding recorder channel.	X	X
Clip type	* for primary clip, = for secondary clip	X	
Auxiliary clip	Indicates if the clip is an auxiliary clip.	X	X
Archive status	 blue folder if the clip is tagged as 'to be archived'  white folder if the clip has already been archived Otherwise, no icon.	X	X
Protected status	 white lock if the clip is protected by LSM user  red lock if the clip is protected by other users Otherwise, no icon	X	X
Emoticon	You can add an additional icon that can be used to easily identify specific clips.	X	X
Keywords	Associated keywords are displayed on a second line	X	X
Colored left border	The color that can be defined in the toolbar to easily identify specific clips is displayed as a border on the left of the box.	X	X

2.1.6. Clip Toolbar

Introduction

From the clip toolbar, you can define and edit the metadata of the clip selected in the grid or list view.

When several clips are selected, you cannot modify the clip information of several clips at a time, except the clip name.

The information defined in the clip toolbar is displayed in a short form in the grid or list view.

This topic describes all fields, and explains how each field can be edited.

See section "Defining Clips Metadata" on page 35 for more information on editing the clip information and metadata.

INFO

Name

EVS--114A

LsmId

114A

Type

*

TC

LTC

20:51:04;26.

Codec

Mjpeg Std HD

METADATA

KW1

player_A4

×

KW2

×

KW3

×


KW4

×

KW5


×

Icon




×

Color



×

Rating



Field Description

Name

The **Name** field displays the clip name assigned in one of the Multicam user interfaces, or via the Remote Panel.

Clip ID

The **Clip ID** field displays by default the LSMID of the clip.

You can also display the other clip identifiers by tapping the field name, which toggles the ID display between LSMID, VARID and UMID.

Type

The **Type** field allows users to assign a clip type to the clip by selecting one of the following type symbols:

Type Symbol	Description
Asterisk (*)	Symbol used for the preferred camera, that is the primary output channel at clip creation.
Double dash (=)	Symbol used for the secondary camera , that is the clip that was loaded on the next output channel at clip creation.

TC (Type)

The **TC** field allows users to select the timecode type to be displayed on the OSD among the following types:

Type Symbol	Description
LTC	Timecode defined on or plugged into the EVS server and stored in the LTC table in Multicam. When the LTC timecode is selected, the timecode is displayed in white in the field below the TC selection.
USER	Timecode selected by the user and stored in the User TC table in Multicam. When the USER timecode is selected, the timecode is displayed in yellow in the field below the TC selection.

TC (Value)

The field without label, below the **TC** field, displays the timecode of the Short IN point of the clip.

Depending on the TC type selected in the **TC** field, the LTC timecode (white font) or USER timecode (yellow font) is displayed.

Codec

The **Codec** field displays the codec selected in the running Multicam configuration.

This field is not editable in LSM Connect.

KW fields

The keywords assigned to the clip selected in the grid or list view are displayed in the **KW** fields. Keywords can be assigned or removed from each keyword field.

Icon

The **Icon** field allows users to assign an icon to characterize the clip.

Color

The **Color** field allows users to assign a color to characterize the clip.

Rating

The **Rating** field allows user to assign a ranking to the clip by selecting star symbols.

2.1.7. Contextual Action Bar in Clip Tab

Introduction

Besides editing clip properties and metadata, the actions you can perform on clips are available as a contextual action bar (CAB) once you have selected at least one clip in the clip tab:





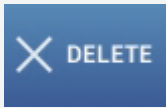


The commands available in the CAB have a corresponding shortcut key you can use when the LSM tablet is connected to a physical keyboard.

The elements of the CAB linked to item selection are explained in section "Selecting Items" on page 6









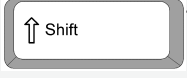

Actions on Clips

The table below describes briefly the commands for clips available in the CAB.

Some of the actions are explained in details in a separate topic:

Action button	Keyboard shortcut	Description
	<div>Ctrl +</div> <div>X</div>	Allows you to cut selected clips, and store them in the clipboard. They can then be pasted to an empty position. See section "Copying and Moving Clips" on page 40
	<div>Ctrl +</div> <div>C</div>	Allows you to copy selected clips, and store them in the clipboard. They can then be pasted to an empty position. See section "Copying and Moving Clips" on page 40.
	<div>Ctrl +</div> <div>Delete</div>	Allows you to delete selected clips.
	<div>Alt +</div> <div>Z</div>	Allows you to set selected clips as 'to be archived': <ul style="list-style-type: none"> When the clips have been set as 'to be archived' but have not been archived yet, a blue folder is displayed in the grid view. When the clips have effectively been archived, a white folder is displayed in the grid view.
	-	Allows you to push selected clips to the location defined in the Push settings in the Multicam Configuration module.

In Copy and Move actions, when you select the requested position for copy or move, the following paste options can be available in the CAB, depending on the type of selection (single ou multiselection):

Action button	Keyboard shortcut	Description
	 + 	When you have selected a single clip, you can copy it to the selected new position using the Paste icon in the CAB.
	 + 	When you have selected several clips, you can copy them to the selected new position using Paste Same Position icon in the CAB. In this case, the clips are pasted one after the other from the selected position, on the same CAM as the original.
	 +  + 	When you have selected several clips, you can copy them to the selected new position using Paste Contiguous icon in the CAB. In this case, the clips are pasted one after the other from the selected position, disregarding the CAM name. See section "Overview of LSM Connect Settings" on page 66 for more information on the Past Contiguous setting, that allows you to select the camera positions the clips will be pasted to.

2.1.8. Set TC and Date Window

Introduction

The Set timecode and date window is accessible from the clip toolbar, by tapping the TC field. It allows editing the TC of the Short IN point of a clip, and the associated TC data.

This topic describes the various fields from left to right, and from top to bottom.

Set time code and date

LTC

20:51:04;26. 04/06/2014 ☒ Drop

20:51:04;26. 04/06/2014 ☐ No Drop

USER

00:08:58;12. 05/06/2014 ☒ Drop

00:08:58;12. 05/06/2014 ☐ No Drop

PRIMARY TIMECODE

☒ LTC

☐ USER

Cancel OK

LTC Area

The LTC area includes the fields described below:

Field Name	Description
TC field (top)	Timecode value assigned before the editing action (non editable)
TC field (bottom)	New timecode value (editable)
Date field (top)	Date value assigned before the editing action (non editable)
Date field (bottom)	New date value (editable)
Drop / No Drop buttons	Radio button to specify whether the TC is drop frame or no drop frame



User Area

The same fields as the ones present in the LTC area are displayed, but they apply to the timecode stored in the User TC table.

Primary TC

This section includes two radio buttons to specify whether the primary TC of the clip should be the LTC or the TC stored in the User TC table in Multicam.

2.1.9. Search Clip Window

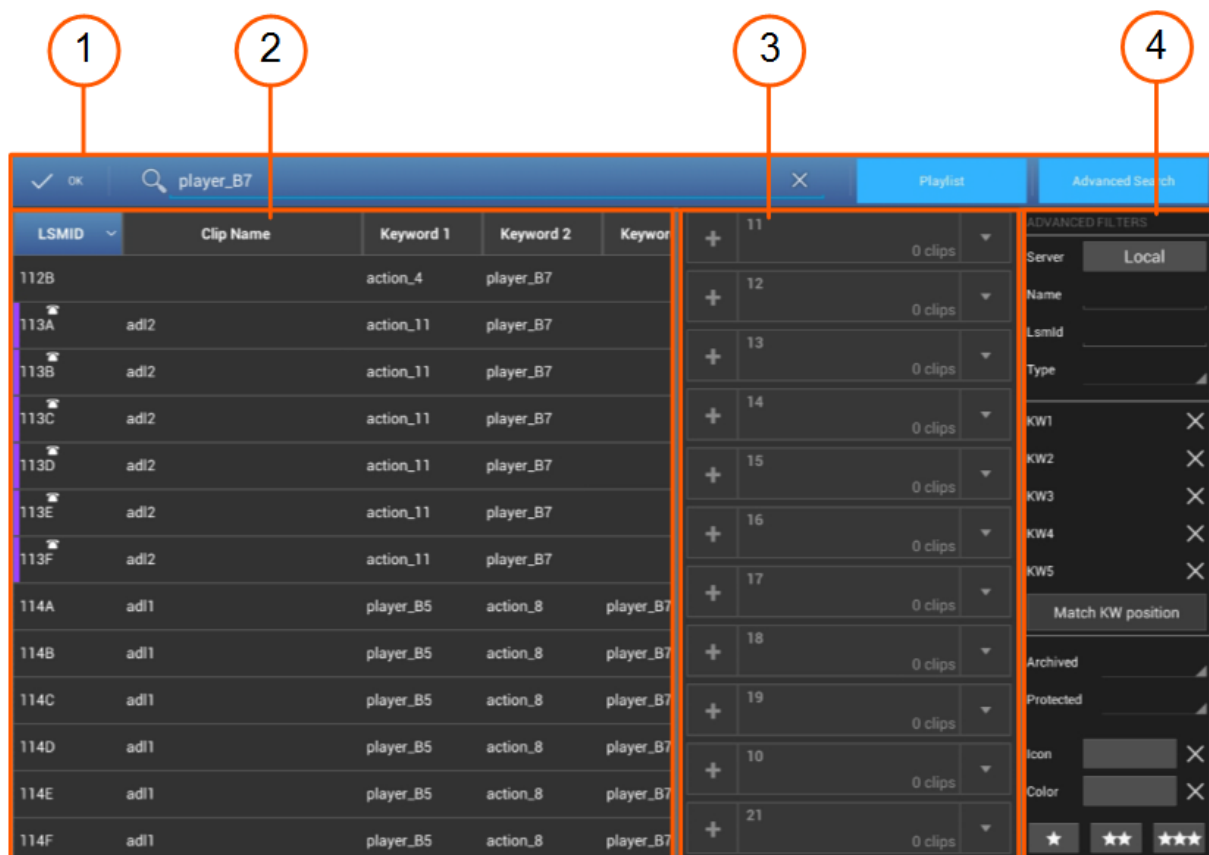
NEW !

Introduction

In the Search Clip window, you can search for clips stored on the current and/or on distant EVS servers. See section "Searching for Clips" on page 42 for more information on searching for clips.

Tap  or press F8 on the keyboard to open the Search Clip window.

By default, the Search Clip window has the following layout. The various areas are described in the section below:



Area Description

The table below presents the various areas of the Search Clip window:

#	Area	Description
1.	CAB	The contextual action bar (CAB) contains the following items from left to right: <ul style="list-style-type: none"> • OK button to close the Search Clip window • Quick Search field, free-text field to enter the text string to be searched for in all clip metadata. • Playlist button to hide or display the Playlist tab • Advanced Search button to hide or display the Advanced Filters tab.
2.	Search Result pane	It features the search results in a clip grid view. The results are dynamically updated as you enter a search criteria via the Quick Search field or the Advanced Filters pane.
3.	Playlist pane	It features the list of available playlists. To hide or display this pane, tap the Playlist button in the CAB.
4.	Advanced Filters pane	It is similar to the Clip Toolbar (See section "Clip Toolbar" on page 19) and allow you to select metadata values based on which the search will be performed. To hide or display this pane, tap the Advanced Search button in the CAB.

2.2. Operation

2.2.1. Accessing Clips

Introduction

In the clip tab, you can access local clips and distant clips located on EVS servers available on the network.

As you can display clips in a grid view or list view in the clip tab, this section explains how to access clips in both views. By default, the clip tab is open in grid view.

You can access clips using the touchscreen or a physical keyboard connected to the LSM tablet:

- See the procedures below to learn how to access clips using the touchscreen.
- See section "Keyboard Shortcuts for Navigation" on page 30 to see which keyboard shortcuts you can use.

Accessing Local Clips in the Grid View

Introduction

By default, the clips stored on the first page and bank of the local server are displayed in the grid. This section explains how to move through the pages and banks, and access clips with the touchscreen. Empty pages or banks are dimmed, but can be accessed:




Note

The following procedure also applies to access clips on a distant EVS server in the grid view.

Procedure



To display the requested local clips in the grid view, proceed as follows:

1. In the clip tab, tap  to select the grid view.
2. To select another page, tap the requested page number on the page selection bar (horizontal bottom bar) in the grid view.
3. To select another bank, tap the requested bank number on the bank selection bar (vertical left bar) in the grid view.

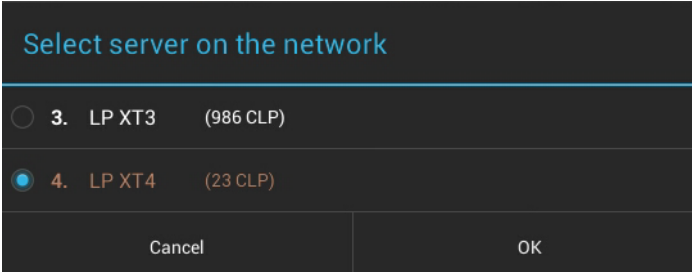
The clips displayed in the grid are dynamically updated based on the page and bank selection.

Accessing Distant Clips in the Grid View

To display distant clips in the grid view, proceed as follows:

1. In the clip tab, tap  to select the grid view.
2. Tap the **Network** icon .

The Select server dialog box is displayed:



Select server on the network		
<input type="radio"/>	3. LP XT3	(986 CLP)
<input checked="" type="radio"/>	4. LP XT4	(23 CLP)
Cancel		OK

3. Tap the EVS server whose clips you want to view in the grid.
4. Click **OK**.

The clips of the distant server are displayed in the grid on a dark brown background.

The name and number of the distant server are displayed on the top of the clip tab.

By default, the clips stored on the first page and bank are displayed. Proceed in the same way as for the local clips (see above procedure) to display the clips stored on another page or bank.

Accessing Local and/or Distant Clips in the List View

Introduction

By default, all clips stored on the local server are available in the list view, and are ordered by LSMID in ascending order.

The following procedure allows you to:

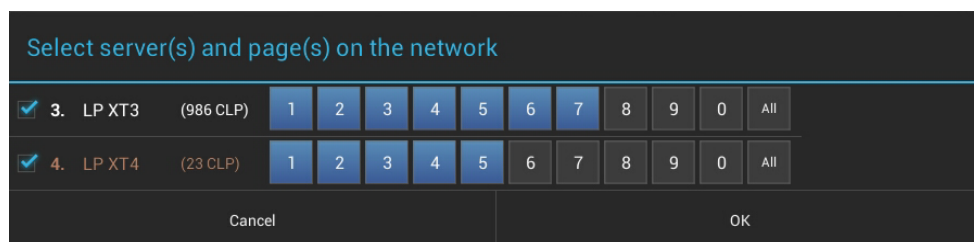
- select the servers (local or/and distant) whose clips have to be displayed in the list view.
- select the pages and banks to be displayed on the selected server(s).

Procedure

To select the local and/or distant clips to be displayed in the list view, proceed as follows:

1. In the clip tab, tap  to select the list view.
2. Tap the **Network** icon .

The Select server and page dialog box is displayed:



Select server(s) and page(s) on the network														
<input checked="" type="checkbox"/>	3.	LP XT3	(986 CLP)	1	2	3	4	5	6	7	8	9	0	All
<input checked="" type="checkbox"/>	4.	LP XT4	(23 CLP)	1	2	3	4	5	6	7	8	9	0	All
				Cancel					OK					

3. To select one or more servers, tap the check boxes corresponding to the servers whose clips you want to display.
4. To select one or more pages whose clips you want to display, tap the requested page numbers for each selected server.
5. Tap **OK**.

The clips displayed in the list view are automatically adapted based on the selected servers and pages.

When several servers have been selected, the clips of the local server are displayed, followed by the clips on the first distant server, then the clips of the second distant server, and so on.

2.2.2. Keyboard Shortcuts for Navigation




Introduction

You can use the keyboard shortcuts described in this section to navigate between pages, banks, and between local and distant servers, in the clip tab (grid or list view), and in the playlist tab (playlist headers view).

The procedures and keyboard shortcuts for selecting items are detailed in the general topic "Selecting Items" on page 6. The selection methods are valid in the clip and playlist tab.

Shortcuts for Accessing Network Navigation Dialog Boxes

The general shortcut keys specified below are valid in the clip tab (grid and/or list view), and in the playlist tab (playlist headers view).

To perform the following action ...	Use the keyboard shortcut ...	Clip Grid	Clip List
Opens the window for distant server selection		X	X
Returns to the local server	 + 	X	

Shortcuts for Navigation in Pages and Banks in Grid View

The following shortcuts are only valid in the clip tab, in grid view.

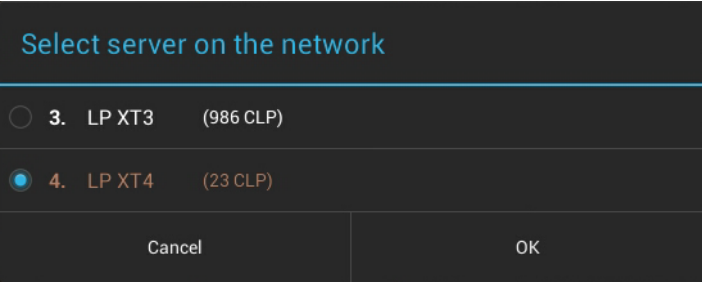
The shortcuts are not applicable and not relevant in the clip tab, in list view, nor in the playlist tab, in playlist headers view.

To perform the following action ...	Use the keyboard shortcut ...
Go to the next page	<div>Page Up</div> <div>or</div> <div>Alt + →</div>
Go to the previous page	<div>Page Down</div> <div>or</div> <div>Alt + ←</div>
Go to the next bank	Alt + ↓
Go to the previous bank	Alt + ↑
Go to bank 1 of the current page	Home
Go to bank 9 of the current page	End






Shortcuts in Select Server Dialog Boxes

From Clip Tab in Grid View and Playlist Tab in Headers View

The following shortcuts are relevant and/or valid in the Select server on the network dialog box, where you can select a distant server:



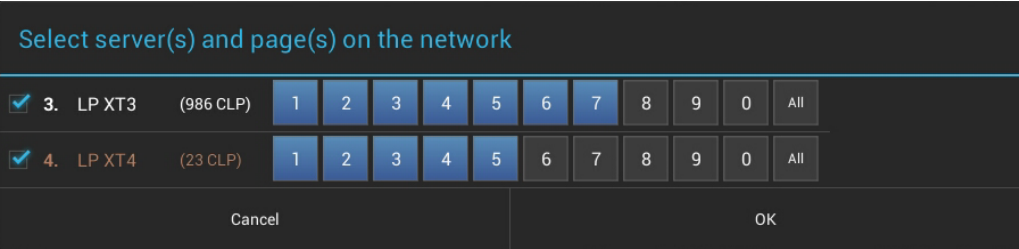
This dialog box is available from the clip tab, in grid view, and from the playlist tab, in playlist headers view.

To perform the following action ...	Use the keyboard shortcut ...
Highlights the next or previous item in the list.	 or 
Selects the highlighted item	 (Space)
Selects the highlighted item and closes the window.	 Enter
Closes the window without saving the changes	 Esc











From Clip Tab in List View

The following shortcuts are relevant and/or valid in the Select server(s) and page(s) on the network dialog box, where you can select the servers and the pages to be displayed in the list view:



This dialog box is available from the clip tab, in list view.

To perform the following action ...	Use the keyboard shortcut ...
Highlights the next or previous item in the list.	 or 
Selects / Unselects the highlighted item	 (Space)
Selects the highlighted item and closes the window.	 Enter
Closes the window without saving the changes	 Esc
Selects / Unselects all pages of the highlighted server	 + 
Select / Unselects the corresponding page number for the highlighted server	 + number key in alphanumeric keyboard

2.2.3. Recalling Clips

Introduction

From the LSM connect, you can recall and load a clip on a player channel in two different ways:

- Recalling a clip in the clip grid or list
- Recalling a clip via the Call Clip window.

Recalling a Clip in the Clip Grid or Clip List

When you recall a clip in the clip grid or clip list, it is loaded on the PGM in PGM/PRV mode or on the PGM1 in multi-PGM mode.

- To recall a clip in the clip grid or list, simply double tap the clip you want to recall.

The clip is displayed on a red background. As it is also selected with a double tap, you will however only see the blue background on the top.

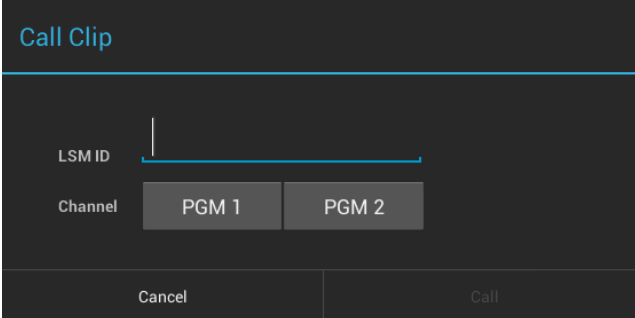
Recalling a Clip via the Call Clip Window

When you recall a clip via the Call Clip window, you can choose the player channel you load it on.

To recall a clip via the Call Clip window, proceed as follows:

1. From the clip grid or view, press **F3** on the keyboard.

The Call Clip dialog box opens:

The screenshot shows a 'Call Clip' dialog box with a dark background. At the top, the title 'Call Clip' is in blue. Below the title is a text input field labeled 'LSM ID' with a blue cursor. Underneath the input field is a 'Channel' section containing two buttons: 'PGM 1' and 'PGM 2'. At the bottom of the dialog are two buttons: 'Cancel' on the left and 'Call' on the right.

2. Type the clip ID in one of the following ways:
 - To recall a local clip associated to a given camera, type the LSMID and the camera name (e.g. 145C).
 - To recall a distant clip, type the LSMID and the server net number (e.g. 145C/04).

3. Select a player channel in one of the following ways:
 - Tap the button corresponding to the player channel you want to load the clip on
 - Press the function button on the keyboard that corresponds to the PGM number (F1 for PGM1, F2 for PGM 2, etc.).

If you do not select any player channel, the requested clip will be loaded on the player channel that is controlled by the Remote Panel and that has the smallest PGM number (for example PGM 1 if the Remote Panel controls PGM 1 and PGM2).

4. Tap **Call** or press **Enter** on the keyboard.

The Call Clip dialog box closes, and the requested clip is loaded on the player channel you have selected.

2.2.4. Defining Clips Metadata









Introduction

From the clip toolbar, you can define and edit the metadata of the clip selected in the grid or list view. Most actions described below can be applied on one clip selected in the grid or list view.

You can also assign metadata to portion of video limited by an IN and OUT points set on the LSM Remote, even if the clip has not been created yet.

Summary of Shortcut Keys

The table below summarizes the shortcut keys you can use for navigation among panels, and field edition in dialog boxes when a physical keyboard is connected to the LSM tablet.

To perform the following action ...	Use the keyboard shortcut ...
Move from one panel to the other in the main screen.	
Highlights: <ul style="list-style-type: none"> the next or previous item in a list the next/previous/left or right item in a grid or other dialog boxes 	 or  or  or  (when applicable)
Selects the highlighted item	 (Space)
Selects the highlighted item and closes the window.	 Enter
Closes the window without saving the changes	 Esc



Note

The field highlight and selection in the clip toolbar is only applicable to text fields and drop-down boxes.

The shortcuts described above cannot be used in the Pick keyword dialog box.

How to Assign or Modify a Clip Name with the Touchscreen

To assign/modify the name of one or more clips with the touchscreen, proceed as follows:

1. In the clip tab, tap the clip(s) whose name you want to assign or modify.
2. In the clip toolbar, tap the **Name** field.
The virtual keyboard appears.
3. Type the requested name in the virtual keyboard.
4. Click **Next**.

The name is applied to the selected clip(s).

How to Assign or Modify a Clip Name with a Keyboard

To assign/modify the name of one or more clips with a physical keyboard, proceed as follows:

1. In the clip tab, select the clip(s) whose name you want to assign or modify.
2. Do one of the following actions:
 - To start from a blank field and assign a new name, type directly the requested name on the keyboard. A dialog box appears and is filled in with the typed string.
 - To type a name based on the last string entered in the clipboard, press **F1**, and modify the name or type a new name in the dialog box displayed.
3. Press **Enter** to apply the new name.

The name is applied to the selected clip(s).



Note

To cancel the action, tap **Cancel**.

To clear the text string and start from a blank field, press **Delete**.

How to Change the Clip Type or TC Type with a Keyboard

To change the clip type or TC type of a selected clip in the clip toolbar using a physical keyboard, proceed as follows:

1. Highlight the clip type or TC type field in the clip toolbar.
2. Press **Enter** to display all values in the drop-down list.
3. Use the **Arrow Up** and **Arrow Down** keys to select the requested value.
4. Press **Enter** to select the value and validate the change.

The selected field value is displayed in the toolbar.

How to Assign a Keyword

To be able to assign keywords with LSM Connect, a current keyword list has to be imported from the Maintenance menu, or defined in the Multicam settings, Operation tab, Keywords section, **Keyword file** field. See section "Customization Settings" on page 70.

To assign a keyword, proceed as follows:

1. Tap a KW field.
2. Tap the requested keyword from Pick Keyword dialog box
3. Tap **OK**.

The keyword is displayed in the toolbar.

How to Assign an Icon

To assign an icon, proceed as follows:

1. Tap the **Icon** field
2. Select the requested icon from the Pick an Icon dialog box.

The dialog box closes, and the icon is directly assigned to the clip.



Note

You can also use the keyboard shortcuts to assign an icon.

How to Assign a Color

To assign a color, proceed as follows:

1. Tap the **Color** field
2. Select the requested color from the Pick an Color dialog box.

The dialog box closes, and the color is directly assigned to the clip, and displayed in a thin bar on the left of the clip box in the grid view or the clip row in the list view.



Note

You can also use the keyboard shortcuts to assign a color.

How to Remove a Keyword, Icon or Color

To remove a keyword, icon or color, tap the cross on the right of the field whose value you want to unassign.

The value is removed from the field.

How to Add a Rating

To add a ranking, tap the last star on the right to be included in the rating. For example, to assign three-star rating, you will tap the third star from the left.

To reduce a rating, tap the last star on the right to be included in the rating.

To remove a rating, tap the **Rating** field label.

How to Set the Date and Timecode of a Clip

To modify the date and/or timecode of a selected clip via a touchscreen or a physical keyboard, proceed as follows:

1. Do one of the following to call the Set time code and date field dialog box:

- Tap the **TC** field in the clip toolbar.
- Press **Alt + T**

The Set time code and date field dialog box opens. See section "Set TC and Date Window" on page 24 for a detailed description of this window.

2. In the Set time code and date dialog box, edit the fields as requested:

- via the virtual keyboard on the LSM screen or
- via a plugged-in keyboard using the keyboard shortcuts listed above.

3. Do one of the following to validate the changes:

- Tap **OK**.
- Press **Enter**.

The TC and date information of the clip are modified as requested.

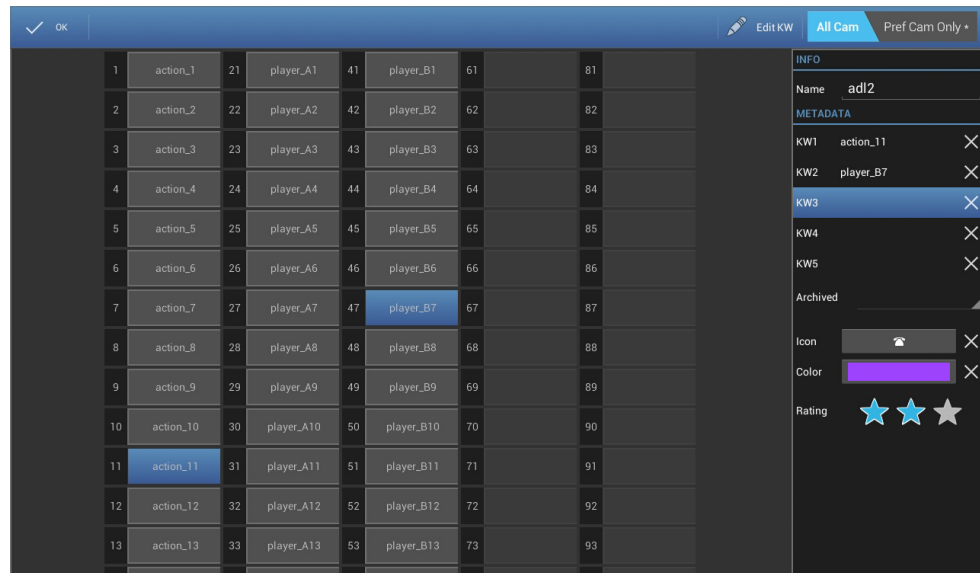
NEW !

How to Assign Metadata to a Pending Clip

To assign metadata to a pending clip (clip that has not yet been saved on the EVS server), proceed as follows:

1. Add a Mark IN or Mark OUT point on the Remote Panel to initiate the creation of a clip.

A window similar to the following one opens in LSM Connect:



2. In this window, select the requested keywords on the left pane and/or enter other metadata values in the right pane.

NEW !

3. In the CAB, select one of the following options:
 - **All Cam** if you want to assign the defined keywords and metadata to all camera angles of the pending clip.
 - **PrefCam Only** if you want to assign the defined keywords and metadata only to the preferred camera angle of the pending clip.
4. On the Remote Panel, add a Mark IN or Mark OUT if requested, and save the clip to a clip position.

The clip is created on the requested position, and the keywords and metadata are assigned as defined in the LSM Connect.

2.2.5. Copying and Moving Clips

Introduction

This section explains how to copy or move one or more clips from one position to another one, located on the same EVS server or to a distant EVS server.

To copy and move clips, you can use the following commands:

- the commands available in the CAB (contextual action bar), the blue bar located at the top of the screen



- the relevant keyboard shortcuts when a physical keyboard is connected to the LSM tablet.

Basic Principles

As clips can only be pasted on empty positions, always select a first position that is empty for pasting the selected clips. As a consequence, the copy or move actions will therefore only be possible in the grid view, not in the list view.

When you copy or move a single clip, you perform a simple paste action on an empty position.

When you copy or move several clips, you can select one of the following paste actions:

- Paste Same Position**, which pastes the selected clips on the same CAMs as the initial clips, if they are empty.
The paste action would therefore not be performed on positions which would not be empty. An error message is displayed on the notification area on the bottom right of the screen.
- Paste Contiguous**, which pastes the selected clips one after the other from the selected position, on all recorders checked in the Paste Contiguous parameter in the settings window.


The paste action would therefore ignore the unchecked cameras in the Paste Contiguous parameter, and start pasting on the first available camera checked in the settings.

See section "Overview of LSM Connect Settings" on page 66 for more information on the **Paste Contiguous** setting, that allows you to select the camera positions the clips will be pasted to.

How to Copy or Move Clips with the Touchscreen

Before copying or moving one or more clips, you need to select them via the touchscreen or a physical keyboard connected to the LSM Connect. See section "Selecting Items" on page 6.

To copy or move selected clip(s) with the touchscreen, proceed as follows:

1. After selecting the requested clips, do one of the following actions:
 - To move clips, tap **Cut** in the CAB.
 - To copy clips, tap **Copy** in the CAB.
2. If you want to copy or move the clips to a distant EVS server, do the following, otherwise go to step 3:
 - a. Tap the **Network** icon .
 - b. Select the requested server.
 - c. Tap **OK**.
3. In the clip grid view, select the page, bank and position you want to move your clips to in the following way:
 - a. Tap on the desired page at the bottom of the grid view.
 - b. Tap on the desired bank on the left of the grid view.
 - c. Tap on the desired empty position (position for the first clip in a multiselection).
4. To paste the selected clips, do one of the following actions:
 - In single selection mode, tap **Paste** in the CAB.
 - In multi-selection mode, tap **Paste Same Position** or **Paste Contiguous** in the CAB ("Basic Principles" on page 40).





The selected clips are moved or copied to the requested positions.

How to Copy or Move Clips with a Keyboard


Before copying or moving one or more clips, you need to select them via the touchscreen or a physical keyboard connected to the LSM Connect. See section "Selecting Items" on page 6.

To copy or move clip(s) with a physical keyboard, proceed as follows:





1. After selecting the requested clips, do one of the following actions:





- To move clips, press  +  to empty the clip position and place the clips in the clipboard.
- To copy clips, press  +  to keep the clips on the current clip position and place them in the clipboard.

2. If you want to copy or move the clips to a distant EVS server, do the following actions. Otherwise, go to step 3:

- a. Tap the **Network** icon .
- b. Select the requested server.
- c. Tap **OK**.

3. In the grid view, select the page, bank and empty position you want to move your clips to:

- a. Go to the requested page with  +  and  +  or using the touchscreen.

- b. Go to the requested bank with  +  and  +  or using the touchscreen.

- c. Using the Arrow keys, highlight the requested position to copy the clip or the first clip of a series.

4. Paste the selected clip(s) with one of the following actions:

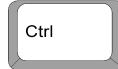
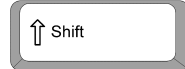

- In single selection mode,

press  + .

- In multi-selection mode, for a **Paste Same Position**:

press  + .

- In multi-selection mode, for a **Paste Contiguous**:

Press  +  + .


The selected clips are moved or copied to the requested positions.

2.2.6. Searching for Clips

Accessing the Search Clip Window

In the Search Clip window, you can search for clips stored on the current and/or on distant EVS servers.

To access the Search Clip window, proceed as follows:

- Tap the magnifier icon  on the top right of the main window.
- Press **F8** on the keyboard.

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Quick Search and Advanced Search

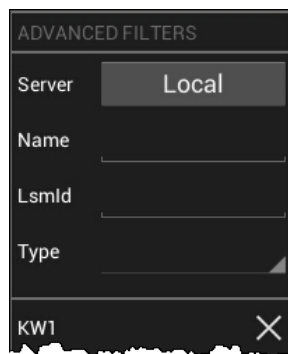
In the Search Clip window, you can search for clips using two search modes which can be combined together:

- The **Quick Search** allows you to perform a free-text search on all clip metadata.
This search will retrieve all clips whose metadata includes the searched text string.
It is available from the search field in the CAB:



- The **Advanced Search** allows you to perform more precise searches, or restrict the results of the quick search, by selecting search criteria on specific metadata fields.
This search will retrieve all clips whose metadata match all values specified in the Advanced Filters pane.
It is available in the Advanced Filters pane accessible by tapping the

 button in the Search pane:



Note

If search criteria are defined both in the Quick Search field, and the Advanced Filters pane, LSM Connect will retrieve the clips which fulfill the criteria specified in both quick **and** advanced searches.

NEW !

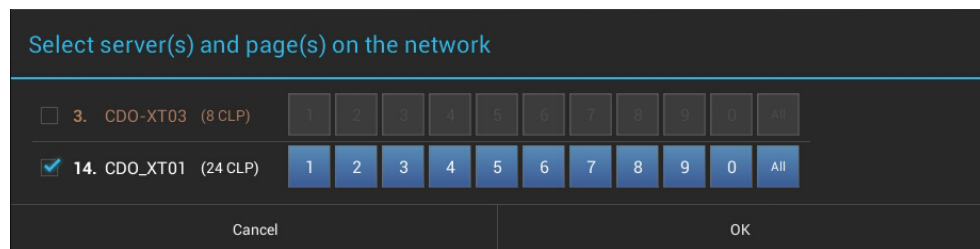
How to Select the Servers and Pages

By default, the quick searches and advanced searches are performed on all pages of the local server.

However, you can select one or more servers on the network, as well as specific pages for each server, on which you want to perform a search. You can select this at any time, like with another search field.

1. In the Advanced Filters pane of the Search Clip window, tap the **Local** button next to the **Server** field.

The following dialog box opens:



2. In this dialog box, select the servers, and the pages for each selected server, on which you want to perform the search.
3. Click **OK**.

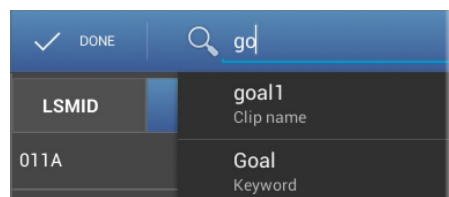
In the **Server** field, the button now displays the name(s) of the EVS servers you have selected.

How to Perform a Quick Search

To perform a quick search on clips, proceed as follows:

1. In the Search window, type the text you want to search for on the right of the magnifier icon in the CAB:

As you type, the application suggests metadata that includes the text you have already entered.



2. Do one of the following:
 - If you do want to search strictly for your text string, tap on the entered text again.
 - If you want to select a suggested text string, tap on it.

The clips whose metadata contain the requested text are displayed in the grid of the Search Results pane.

You can select the search results as in the grid view, and perform all possible actions on those clips.

You can further restrict your search by defining specific metadata values in the Advanced Filters pane, as explained below.

How to Perform an Advanced Search

NEW !

Whether you have entered a search string or not in the Quick Search field in the CAB, you can enter search criteria for specific metadata in the Advanced Filters pane. The results retrieved will meet all defined criteria.

To perform an advanced search, proceed as follows:

1. If the Advanced Filters pane is not displayed on the right of the Search Clip window, tap the **Advanced Filters** button.
2. Fill in the fields on which you want to define a search criteria.
If you want to clear a field value, click the cross sign, or select an empty value depending on the field type.
3. For a search based on a specific keyword:
 - a. Type a keyword field
 - b. Select the keyword to be used as search criteria
 - c. Tap **OK**.
 - d. If you want the keyword position to be taken into account in the search, tap

NEW !

Match KW position

As you define your search criteria, the results are updated in the Search Result pane.

2.2.7. Deleting Clips

Introduction

You can delete unprotected and protected clips on the EVS server from the LSM tablet, using the touchscreen or a physical keyboard.

NEW !


Depending on the value defined in the **Confirm Clips/Playlists Deletion** setting in the Server Parameters section, you will have to confirm the deletion or not.

How to Delete a Clip with the Touchscreen

1. In a clip tab, in grid or list view, tap the requested clip(s).

See section "Selecting Items" on page 6 for multi-selection.



2. Tap  in the CAB at the top of the screen.
 3. If the clip is protected, a message is displayed. Tap **OK** to confirm the deletion.
- The clip(s) is/are deleted on the EVS server.

How to Delete a Clip with a Physical Keyboard

1. Focus on the clip tab with the **Tab** key.
 2. In the clip tab, select the requested clip(s) with the Arrow keys.
See section "Selecting Items" on page 6 for multi-selection.
 3. Press **Ctrl + Del**.
 4. If the clip is protected, a message is displayed. Tap **OK** to confirm the deletion.
- The clip(s) is/are deleted on the EVS server.

3. Playlist Management

3.1. Playlist Tab

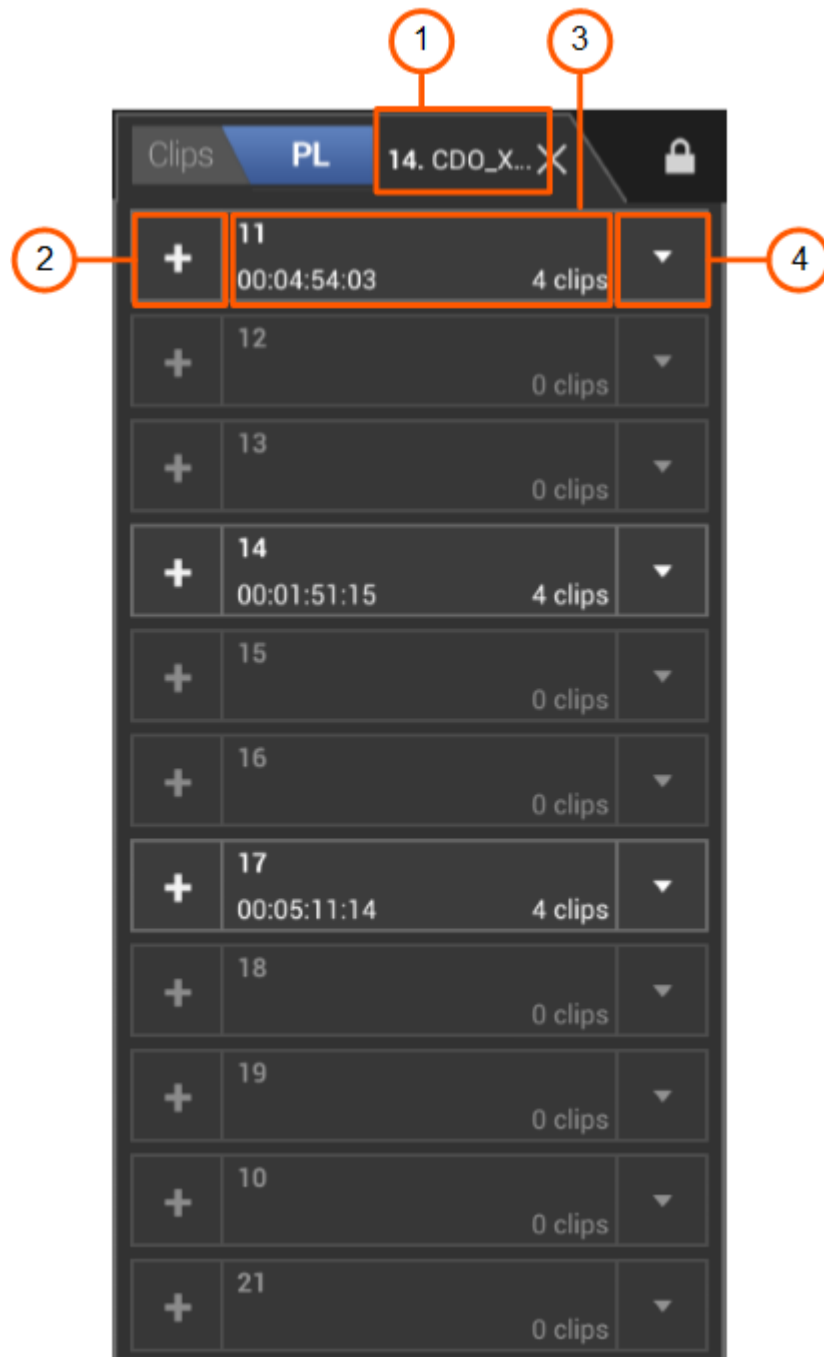
Introduction

The playlist tab can be declined in two views:







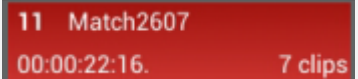

- Initially, it displays the playlist of the selected server.
This is called the Playlist Headers view.
- When you tap on a playlist, the selected playlist opens in the playlist tab, and you can view all playlist elements and transition information.

This is called the Playlist Items view.

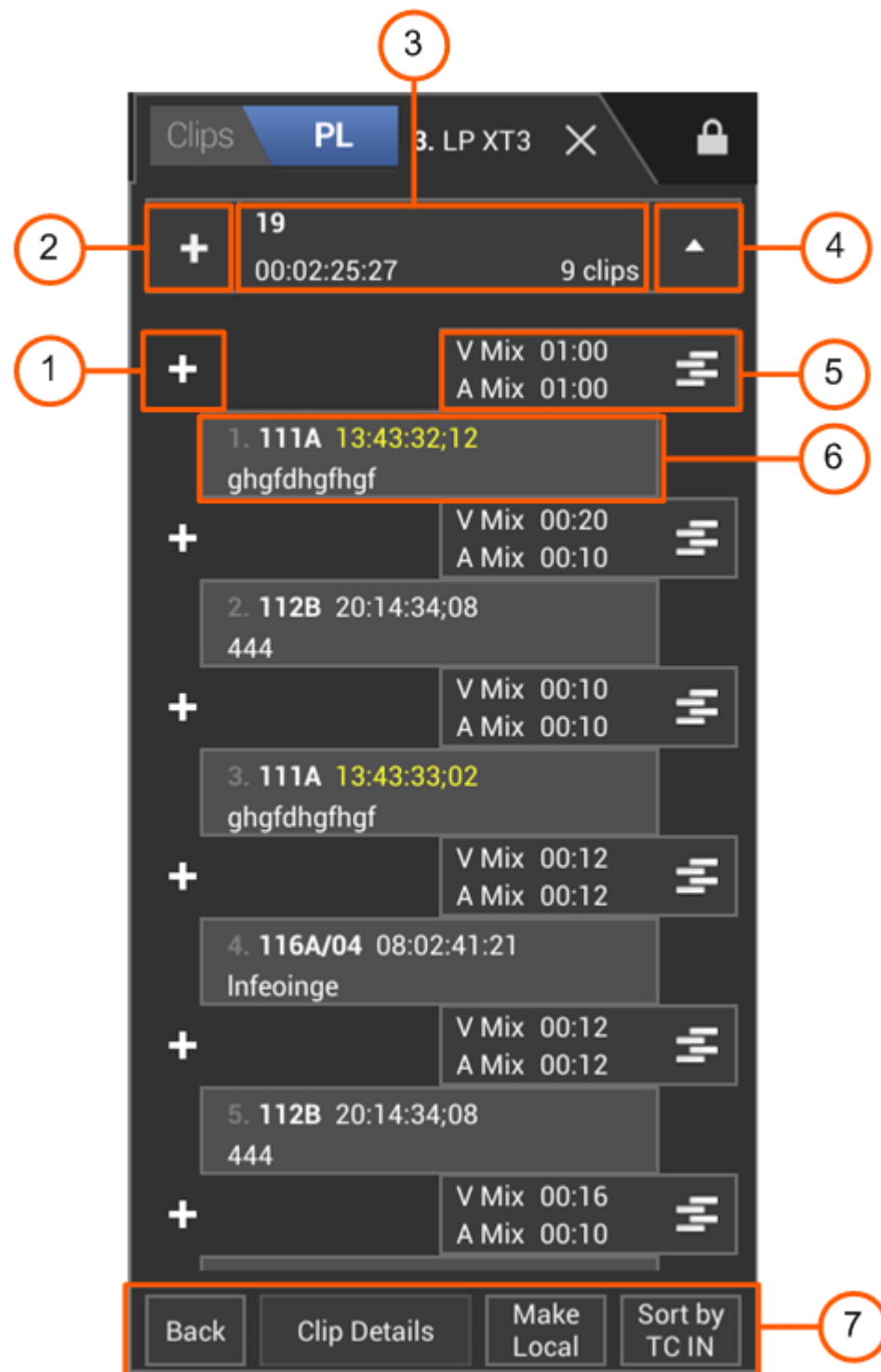
Playlist Headers View







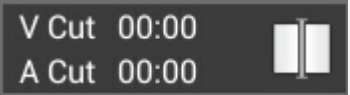
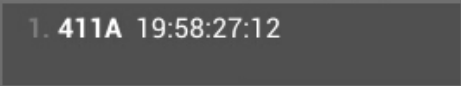
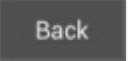
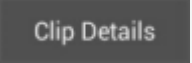


The table below presents the various areas or icons on the playlist headers view:

#	Area/Icon	Description
1.		EVS server the displayed playlists are stored on. Tap this field to be able to select another EVS server whose playlists you want to see.
2.		Adds the selected clips at the end of the corresponding playlist.
3.		Playlist containing playlist elements: The Playlist LSM ID is specified, as well as the playlist duration, and the number of playlist elements.
		Empty playlist position. As you can add elements to such a playlist, the Add icon is displayed on the left.
		Timeline position. You cannot add elements to a timeline in LSM Connect.
		Selected playlist displayed on a blue background.
		Loaded playlist displayed on a red background.
4.		Opens the corresponding playlist in playlist items view.

Playlist Items View
















The table below presents the various areas or icons on the Detail view:

#	Area/Icon	Description
1.		Add button used to insert the selected clip(s) between the surrounding playlist elements.
2.		Add button used to insert the selected clip(s) at the end of the playlist.
3.		Playlist button that represents the open playlist, and the related information.
4.		Arrow up button used to close the Detail view and comes back to the List view.
5.		Transition button that represents the playlist transition and displays related information: <ul style="list-style-type: none"> • Video effet type and duration • Audio effet type and duration • Icon that represents the effect type
6.		Element button that represents the playlist element and displays related information, from left to right: <ul style="list-style-type: none"> • position in the playlist • clip LSM ID • clip TC (LTC)
7.		Goes back to the List view. All changes previously done in the Detail view are applied.
		Displays larger boxes for playlists elements, and the same clip metadata as in the Clip Grid view.
		Copies all distant clips locally. The local clip position is the first available one from the first page specified in the Playlist received page parameter (Operation tab, Clips settings in Multicam configuration).
		Allows to sort the playlist elements by TC IN, but resets all transitions to the default settings.

Effect Icon

The following table presents the various icons that illustrate the transition effects that can be applied:

Icon	Meaning
	Cut effect
	Mix effect
	Wipe Left > Right
	Wipe Right > Left
	Fade from black
	Fade from white
	Fade from color
	Fade from undetermined
	Fade to black
	Fade to white
	Fade to color
	Fade to undetermined
	V-fade

3.2. Accessing Playlists

Introduction

From the Playlist tab, in Playlist Headers view or Playlist Items view, you can access playlists on the local and distant EVS servers available on the network, and copy the distant playlists to the local EVS server.

By default, the Playlist tab displays all playlist positions of the local EVS server.



Note

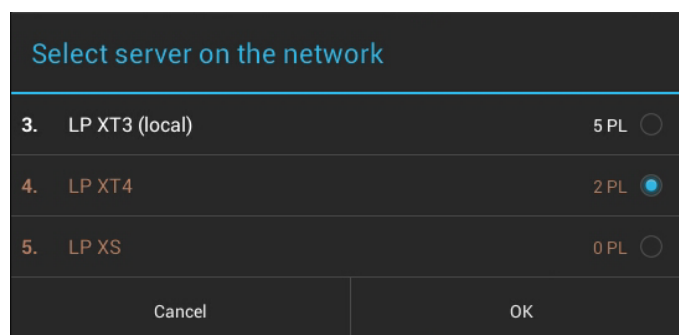
The shortcut keys for network navigation valid in the clip tab, in grid view, can also be used in the playlist tab, in playlist headers view. See section "Keyboard Shortcuts for Navigation" on page 30.

How to Access Distant Playlists

To access a playlist on a distant EVS server, proceed as follows:

1. In the Playlist tab, tap the **Server Name** at the top of the Playlist tab.

The following box appears:



Select server on the network	
3. LP XT3 (local)	5 PL <input type="radio"/>
4. LP XT4	2 PL <input checked="" type="radio"/>
5. LP XS	0 PL <input type="radio"/>
Cancel	OK

2. Select the radio button corresponding to the EVS server whose playlists you want to access.
3. Click **OK**.

The playlists of the distant server are displayed in Playlist Headers view, the server name and number are displayed on the top of the Playlist area.

3.3. Editing Playlist Information

Introduction

This section presents the actions you can perform on the playlist information:

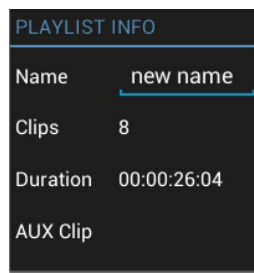
- [How to change the playlist name](#)
- [How to regenerate the timecode of a playlist](#)

How to Change the Playlist Name

To change the playlist name, proceed as follows:

1. In the playlist tab in playlist headers view, tap the playlist whose name you want to modify.

The playlist name and other information are displayed in the toolbar.



2. In the **Name** field, type or modify the playlists name.
3. Tap the **Done** key on the virtual keyboard.

How to Regenerate the Timecode of a Playlist

To regenerate the timecode of a playlist, proceed as follows:

1. In the playlist tab in playlist headers view, tap the playlist whose timecode you want to regenerate.

The TC Regeneration area is displayed in the toolbar:



2. In the Playlist toolbar, tap the **Regen.** field, and select **On** to activate the timecode regeneration.
3. In the **Cont. in** field, select one of the following values:

- **PLST** to regenerate the timecode at the beginning of the playlist
 - **CLIP** to regenerate the timecode for each playlist element
4. In the **From** field, specify the initial TC value to be used for the timecode regeneration.
 5. In the **IN** field, specify the TC type in which the timecode should be regenerated.
 6. In the **TC Type** field, specify whether the timecode should be a drop-frame or non drop-frame timecode.

3.4. Editing Playlist Content

Introduction

This section presents the actions you can perform on playlist elements:



- [How to add clips at the end of a playlist](#)
- [How to add clips between two playlist elements](#)
- [How to reorganize elements inside a playlist](#)
- [How to remove elements inside a playlist](#)
- [How to copy clip elements between playlists](#)
- [How to modify transition effects](#)

How to Add Clips at the End of a Playlist

In the playlist tab, you can work in playlist headers view or in playlist items view.

To add at the end of a playlist, proceed as follows:

1. In the clip tab or in the Search window, select one or more clips you want to add to the playlist in the clip tab.
See section "Selecting Items" on page 6 for more information.
2. Do one of the following actions:

- If the playlists are displayed in playlist headers view, tap  in front of the playlist to which you want to add the selected clips.
- If the playlist to which you want to add the selected clips is open in playlist items view, tap the **Add** icon  at the top of the playlist tab, next to the playlist box.

The **Add** icon briefly turns green and the playlist box briefly turns orange as the clips are added at the end of the playlist.

How to Add Clips Between two Playlist Elements

In the playlist tab, the playlists to which you want to add clips must be open in Playlist Items view.

To add clips between two playlist elements, proceed as follows:

1. In the clip tab or in the Search window, select one or more clips you want to add to the playlist in the clip tab.

See section "Selecting Items" on page 6 for more information.

2. In the playlist tab, tap the **Add** icon  in between the two elements where you want to insert the selected clips.

The **Add** icon briefly turns green and the playlist box briefly turns orange as the clips are added at the requested position in the playlist.

How to Reorganize Elements inside a Playlist

You can only move an element at a time inside a playlist.

To reorganize elements inside a playlist, proceed as follows:

1. In the playlist tab, open the playlist you want to reorganize in playlist items view.
2. Tap and hold the playlist element you want to move.
3. Drag the element at the requested position and release when the **Add** icon at the requested position turns green.

How to Remove Elements from a Playlist

To remove elements from a playlist, proceed as follows:

1. In the playlist tab, open the playlist you want to remove elements from in playlist items view.
2. Select one or more playlist elements (when multiselection is active) you want to remove.

3. Tap  in the CAB.

How to Copy Clip Elements Between Playlists

To copy clip elements from one playlist to another one, proceed as follows:

1. Open the requested playlists in both tabs in playlist items view.
2. Select the playlist elements you want to copy from one playlist to the other.
3. Tap and hold one of the playlist elements until a dark grey element box is displayed
4. Without releasing, drag to the **Add** icon of the second playlist, where you want to insert the selected elements.
5. Release when the **Add** icon turns green.

The elements selected in the first playlists have been copied to the second playlist, and are still in the first playlist.

How to Modify Transition Effects

To modify the transition of a playlist elements, first make sure the requested playlist element(s) is selected in the playlist items view, then proceed as follows:

1. Open the requested playlists in both tabs in playlist items view.
2. Select the playlist element(s) whose IN transition you want to modify.
3. In the Playlist toolbar (right), tap the **Video FX** field, and select the requested transition type from the list.

The selected transition type is applied at the beginning of the selected playlist elements, and the transition icon is adapted in the playlist items view.

3.5. Managing Playlists

Introduction

This section presents the actions you can perform on playlists:

- [How to delete a playlists](#)
- [How to merge two playlists](#)
- [How to insert a playlist into another playlist](#)
- [How to move a playlist](#)
- [How to copy a local playlist to the local EVS server](#)
- [How to copy a distant playlist to the local EVS server](#)
- [How to store locally distant playlist elements](#)

NEW !

All actions described in this section are only possible on local playlists, except the copy of a distant playlist to a local playlist position.

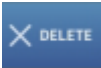
How to Delete a Playlist

NEW !

Depending on the value defined in the **Confirm Clips/Playlists Deletion** setting in the Server Parameters section, you will have to confirm the playlist deletion or not.

To delete a playlist, proceed as follows:

1. In the playlist tab in playlist headers view, select the playlist you want to delete.

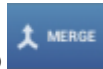
2. Tap  in the contextual action bar.
3. If requested, confirm the playlist deletion.

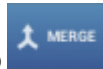
How to Merge Two Playlists

When you merge two playlists, the first selected playlist is in fact merged into the second selected playlist. In other words, all playlists elements of the first playlist are added at the beginning of the second playlist.

To merge two playlists, proceed as follows:

1. In the playlist tab in playlist headers view, select the two playlists you want to merge together.



2. Tap  in the contextual action bar.

A message is displayed to validate the merge action.


3. Tap **OK** to confirm the merge action.

NEW !

How to Insert a Playlist into Another Playlist

When you insert a playlist into another one, all playlist elements of the selected playlist are inserted at the requested position in the second playlist.

To insert a playlist into another playlist, proceed as follows:

1. Open a first playlist tab in Headers View.
2. Open a second playlist tab, in which you open the destination playlist (playlist in which you want to insert another playlist).
3. In the playlist tab in Headers View, select the playlist you want to insert and tap the  button into the destination playlist, at the exact position where you want to insert it.

A message is displayed to validate the insert action.

4. Tap **OK** to confirm the insert action.

How to Move a Playlist

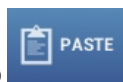
To move a local playlist to a new playlist position, proceed as follows:

1. In the playlist tab in playlist headers view, select the playlist you want to move.



2. Tap  in the contextual action bar.

3. Select the playlist position you want your playlist to be moved to.



4. Tap  in the contextual action bar.

The playlist is moved to the selected location.

How to Copy a Local Playlist to the Local EVS Server

To copy a local playlist to the same EVS server, proceed as follows:

1. In the playlist tab in playlist headers view, tap the playlist you want to copy.
2. Tap **Copy** on the contextual action bar.
3. Select the playlist position where you want to store the playlist, and select **Paste** on the contextual action.

The **Paste PL** box appears.

4. In the **Paste PL** box, select the copy type and tap **OK**

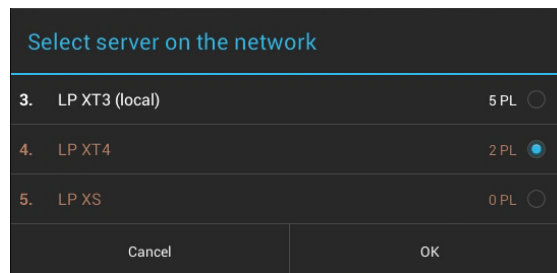
The local playlist is copied to another playlist position on the same EVS server.

How to Copy a Distant Playlist to the Local EVS Server

To copy a distant playlist to the local EVS server, proceed as follows:

1. In the playlist tab in playlist headers view, tap the server name at the top of the playlist tab.

The following box appears:



Select server on the network		
3.	LP XT3 (local)	5 PL <input type="radio"/>
4.	LP XT4	2 PL <input checked="" type="radio"/>
5.	LP XS	0 PL <input type="radio"/>
Cancel		OK

2. Select the radio button corresponding to the EVS server the requested distant playlist is stored on, and tap **OK**.

The distant playlists are displayed in playlist headers view on a brown background.

3. Select the distant playlist you want to copy and tap **Copy** on the contextual action bar.
4. Tap again the server name and select the local EVS server.
5. Select the local playlist position where you want to store the playlist, and select **Paste** on the contextual action.

The **Paste PL** box appears.

6. In the **Paste PL** box, select the copy type and tap **OK**

The distant playlist is copied to the local playlist position.

How to Store Locally Distant Playlist Elements

To make local all distant clips of a local playlist, proceed as follows:

1. In the playlist tab in playlist headers view, select the local playlist whose clips you want to store locally.

When the playlist contains at least one distant clip, the **Make Local** button appears at the bottom of the playlist headers view.

2. Tap .

All distant clips of the local playlist are copied locally to the first available position from the page specified in the Playlist receive page parameter in the Multicam Configuration module (Operation tab, Clips settings).

4. Keyword Management

4.1. Editing the Current Keyword Grid

Introduction

On the LSM Connect application, you can edit the keyword grid defined as the current keyword grid on the connected EVS server. You will edit the keyword grid via the Keywords File Editor. The keyword grid of the EVS server having the 'Server' role on the SDTI network is not editable.

You can access the Keywords File Editor from the Maintenance menu or from the Clip tab, as explained below.



Note

Keywords are not supported on XTnano servers. This section is therefore not relevant for such video servers.

Prerequisite

If no keyword grid has been assigned as current to the EVS server, you first need to assign a keyword grid in one of the following ways:

- In Multicam, select the keyword grid from the list in the **Keyword Files** field in the Multicam Configuration window, Operation page, Keyword section.
- In LSM Connect, import the keyword grid from the LSM tablet onto the EVS server. See section "Importing and Exporting the Current Keyword Grid" on page 63.

How to Edit the Current Keyword Grid from the Clip Tab

Editing the keyword grid from the Clip tab allows you to add or modify keywords as you assign keywords to a clip.

To edit the current keyword grid from the Clip tab, proceed as follows:


1. Select a clip in the clip grid or clip view.
The keyword fields are displayed in the Clip toolbar.
2. In the Clip toolbar, tap a **Keyword** field.
The Pick Keyword window opens.
3. Tap **Edit** in the upper right corner of the Pick Keyword window.
The keyword grid opens in Edit view in the Keywords File Editor.

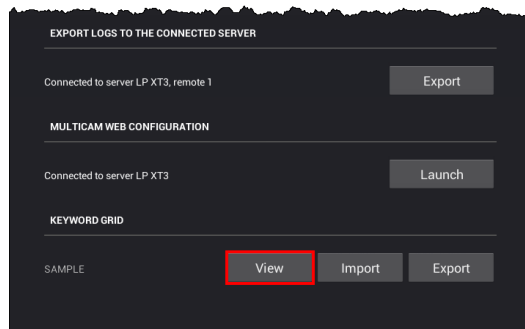
4. Do one of the following actions:
 - To edit a keyword, tap it (or double tap it to select the whole keyword) and type the modified keyword.
 - To add a keyword, tap an empty keyword field and type the keyword.
5. Repeat step 4 for all keywords to edit or add.
6. Tap **Apply** in the Keywords File Editor to validate the changes
7. Do one of the following actions:
 - To leave the keyword grid, tap outside the window.
 - To open back the keyword grid in View mode and assign keywords to the clip, tap **View** in the upper right corner of the window.

The current keyword grid has been updated on the EVS server.

How to Edit the Current Keyword Grid from the Maintenance Menu

To edit the current keyword grid from the Maintenance menu, proceed as follows:

1. From the main window, tap the Settings icon  in the upper right corner of the window.
The LSM Connect Settings window opens.
2. In the LSM Connect Settings, select the Maintenance menu on the left of the window.
The items of the Maintenance menu are displayed on the right of the window.
3. Swipe to the bottom of the Maintenance menu, and tap the **View** button in the Keyword Grid section.



The Keyword File opens in View mode.

4. Tap **Edit** in the upper right corner of the Keyword File window.
The keyword grid opens in Edit view in the Keywords File Editor.
5. Do one of the following actions:
 - To edit a keyword, tap it (or double tap it to select the whole keyword) and type the modified keyword.
 - To add a keyword, tap an empty keyword field and type the keyword
6. Repeat step 5 for all keywords to edit or add.
7. Tap **Apply** in the Keywords File Editor to validate the changes.

8. Tap outside the window to leave the keyword grid.

The current keyword grid has been updated on the EVS server.

4.2. Importing and Exporting the Current Keyword Grid

Introduction


From the LSM Connect application, you can import or export a keyword grid into or from the EVS server.

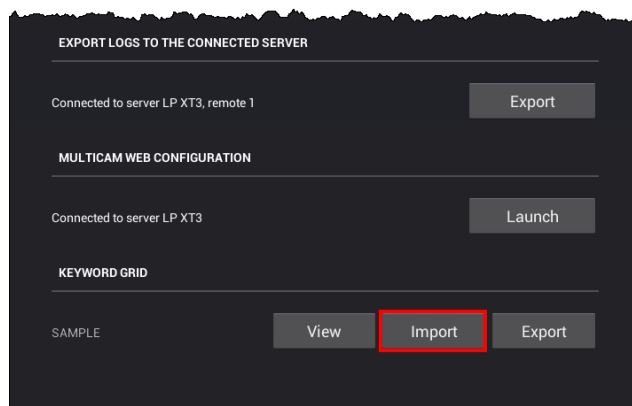
You can import a keyword grid stored on the LSM tablet, or on a USB key plugged into the LSM tablet. The imported keyword grid will automatically be set as the current keyword grid on the associated EVS server. It will automatically replace the current keyword grid on the EVS server.

You can export the current keyword grid directly to the LSM tablet. This is a one-click operation.

How to Import a Keyword Grid Stored on the LSM Tablet

To import a keyword grid stored on the LSM tablet, proceed as follows:

1. From the main window, tap the Settings icon  in the upper right corner of the window.
The LSM Connect Settings window opens.
2. In the LSM Connect Settings, select the Maintenance menu on the left of the window.
The items of the Maintenance menu are displayed on the right of the window.
3. Swipe to the bottom of the Maintenance menu, and tap the **Import** button in the Keyword Grid section.



The file explorer window opens.

4. From the file explorer window, select the keyword grid file (.kwd) you want to import and tap **OK**.

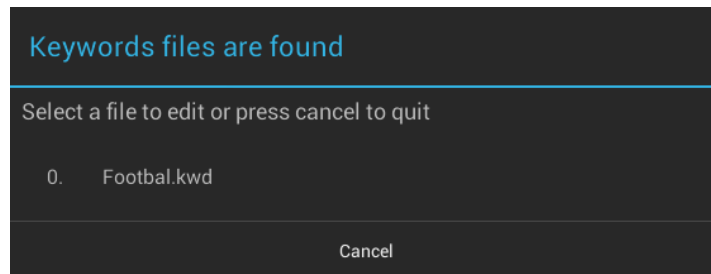
The keyword grid is imported into LSM Connect, and set as the current keyword grid on the EVS server connected to the LSM Connect application. The keyword file opens in View mode in the LSM Connect application.

How to Import a Keyword Grid from a USB Key

To import a keyword grid from a USB key connected to the LSM tablet, proceed as follows:

1. Make sure the LSM Connect application is open on the LSM tablet, and is connected to an EVS server.
2. Plug the USB key that contains the keyword file to the docking station of the LSM tablet.

A dialog box similar to the following one opens with the keyword file(s) detected on the USB key:



3. Select the keyword file you want to import and set to current on the connected EVS server.


The keyword file opens.

4. Tap **Apply** to import the keyword file.

The keyword grid is imported into LSM Connect, and set as the current keyword grid on the EVS server connected to the LSM Connect application. The keyword file opens in View mode in the LSM Connect application.

How to Export a Keyword Grid onto the LSM Tablet

To export the current keyword grid file onto the LSM tablet, proceed as follows:

1. From the main window, tap the Settings icon  in the upper right corner of the window.

The LSM Connect Settings window opens.

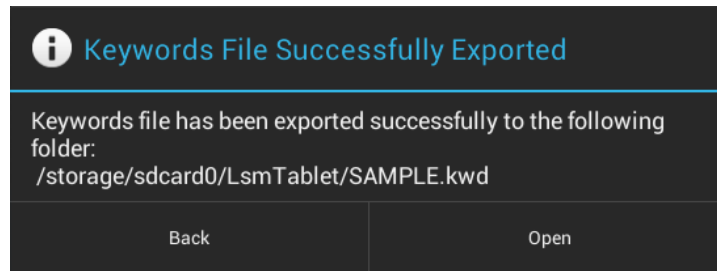
2. In the LSM Connect Settings, select the Maintenance menu on the left of the window.

The items of the Maintenance menu are displayed on the right of the window.

3. Swipe to the bottom of the Maintenance menu, and tap the **Export** button in the Keyword Grid section.

The current keyword grid file is automatically exported to the LSM tablet, and stored on the folder `/storage/sdcard0/LsmTablet`.

The following message box is displayed when the file is available on the LSM tablet:



5. Settings

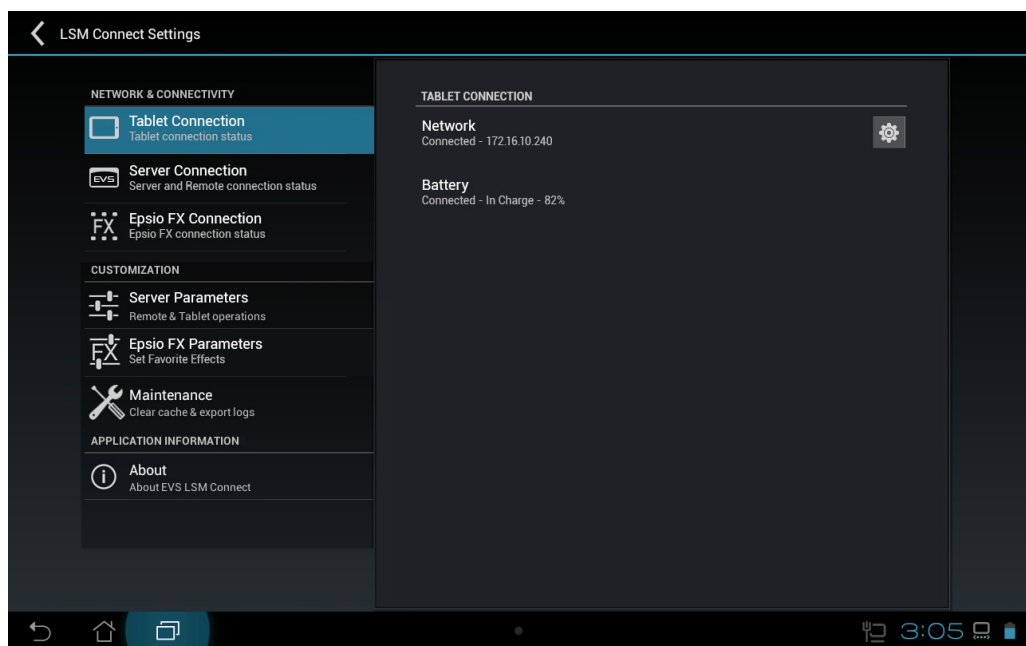
5.1. LSM Connect Settings

5.1.1. Overview of LSM Connect Settings

Introduction

The Settings include three sections, each including several menus:

- Network and Connectivity
- Customization
- Application Information



Network and Connectivity Section

The **Network and Connectivity** section includes the menus and parameters to set up the connection of all hardware elements required in an LSM Connect setup.

See section "Network and Connectivity Settings" on page 68 for a more detailed description of these menus.

Menu	Description
Tablet Connection	Includes parameters related to the LSM tablet.
Server Connection	Includes parameters related to the connection between the LSM tablet and the EVS server.
Epsio FX Connection	Includes parameters related to the connection between the LSM tablet and the Epsio FX server.

Customization Section

The **Customization** section mainly includes the menus and parameters to set up operational parameters specific to the EVS server, Epsio FX, and to perform maintenance tools.

See section "Customization Settings" on page 70 for a more detailed description of these menus.

Menu	Description
Server Parameters	Gives access to the EVS server specific parameters that have an impact on the way the LSM table is operated.
Epsio FX Parameters	Gives access to the Epsio FX parameters. It is only displayed when the Epsio FX is properly connected and set up via the Epsio Connection menu.
Maintenance	Gives access to maintenance tasks, such as clearing cache memory, or exporting logs.

About Section

The **About** section mainly features the version and build number of the LSM Connect application.

5.1.2. Network and Connectivity Settings

Introduction

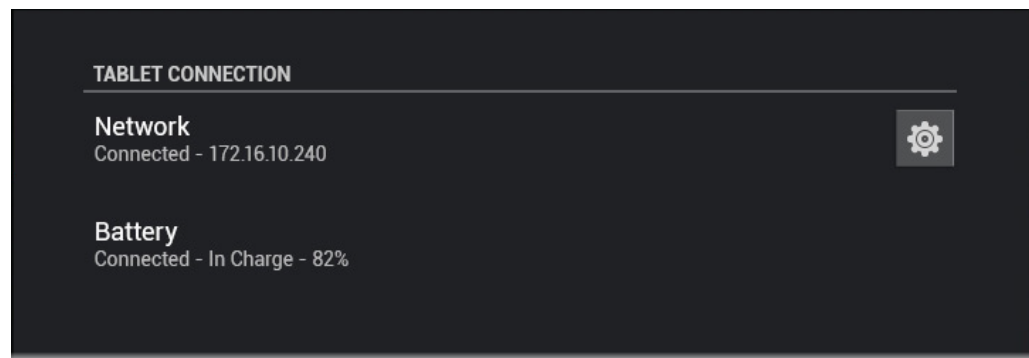
The **Network and Connectivity** section includes the menus and parameters to set up the connection of all hardware elements required in an LSM Connect setup.

This section provides a detailed description on the following menus included in the Network Connectivity section:


- Tablet Connection
- Server Connection
- Epsio FX Connection

Tablet Connection

The Tablet Connection menu items appear on the right of the Settings screen when you select the Tablet Connection menu on the left:

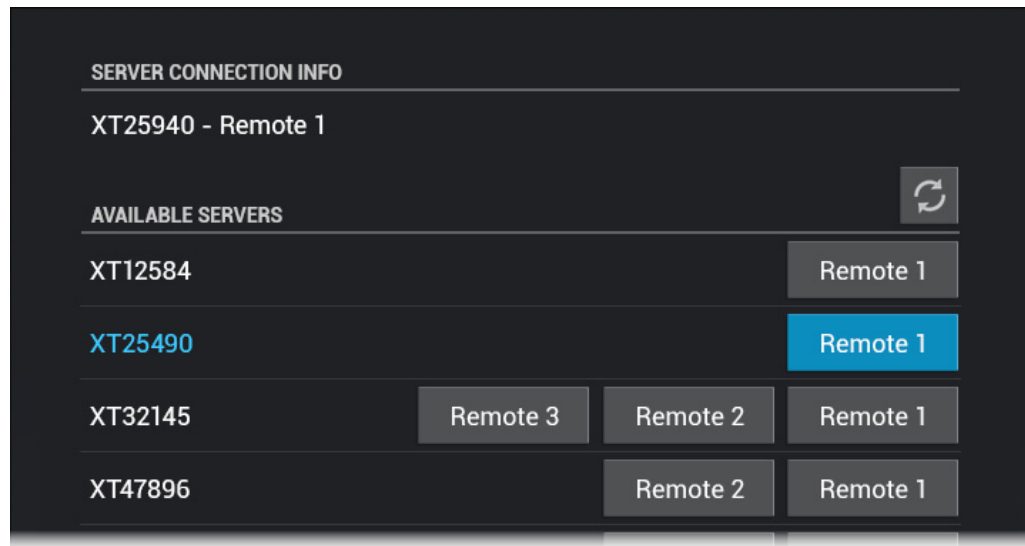


The table below describes the various parameters of the Tablet Connection menu:


Name	Description
Network	<p>Specifies the following information:</p> <ul style="list-style-type: none"> • tablet connection status to the network • Ethernet IP address assigned to the tablet <p>If you need to change the IP address of the LSM tablet, tap , then select the Ethernet menu in the Wireless & Networks section, then the IP address parameter in the Network Settings area on the right.</p>
Battery	<p>Specifies the following information:</p> <ul style="list-style-type: none"> • connection status to the power supply • battery charging status • battery autonomy in percents.

Server Connection

The Server Connection menu items appear on the right of the Settings screen when you select the Server Connection menu on the left:



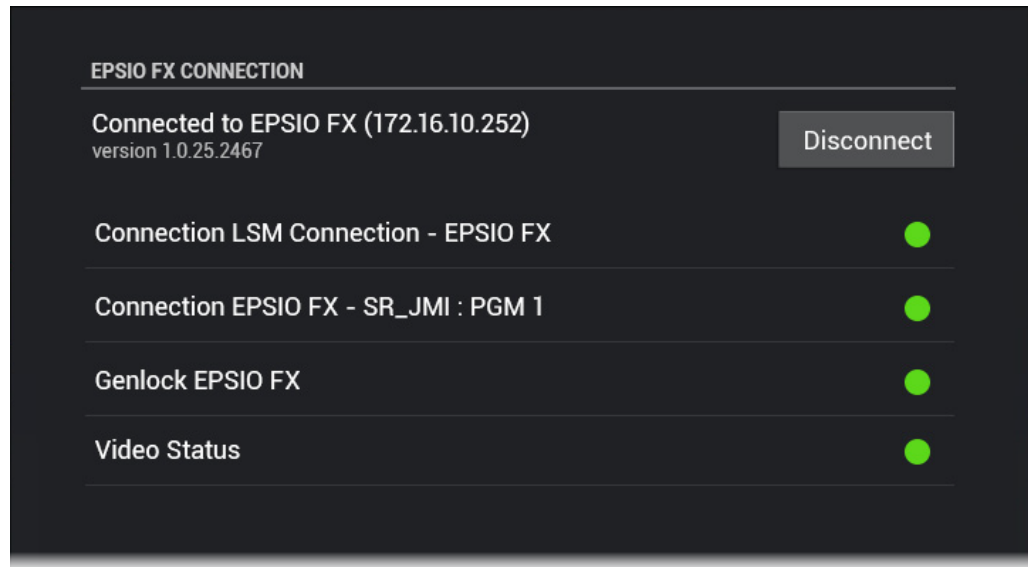
The table below describes the various parameters of the Server Connection menu:

Name	Description
Server Connection Info	Specifies the EVS server (serial number), and the Remote Panel the LSM Connect is connected to. The LSM Connect can be connected to one EVS server and one Remote Panel at a time.
Available Servers	<p>Specifies the list of EVS servers discovered on the Ethernet network. For each server, buttons corresponding to the Remote Panels connected to the server are displayed. You need to select one Remote Panel the LSM Connect has to be associated with. See section "Starting and Connecting to EVS Server" on page 3 for full information on how to connect to EVS servers.</p> <p>The following additional information can be useful:</p> <ul style="list-style-type: none"> • The Remote connected to the RS422 connector with the smallest number will be named Remote 1, and so on. • The local server is displayed in blue font, the distant servers in white font. • If you want to refresh the EVS server and Remote Panel list, tap the Refresh button .

Epsio FX Connection

The Epsio FX Connection menu items appear on the right of the Settings screen when you select the Server Connection menu on the left.

Refer to the Epsio FX user manual for more information about the Epsio FX Connection settings and statuses.



5.1.3. Customization Settings

Introduction

The **Customization** section includes the menus and parameters to set up operational parameters specific to the EVS server, Epsio FX, and to perform maintenance tools.

This section provides a description on the following menus included in the Customization section:

- Server Parameters
- Maintenance Parameters

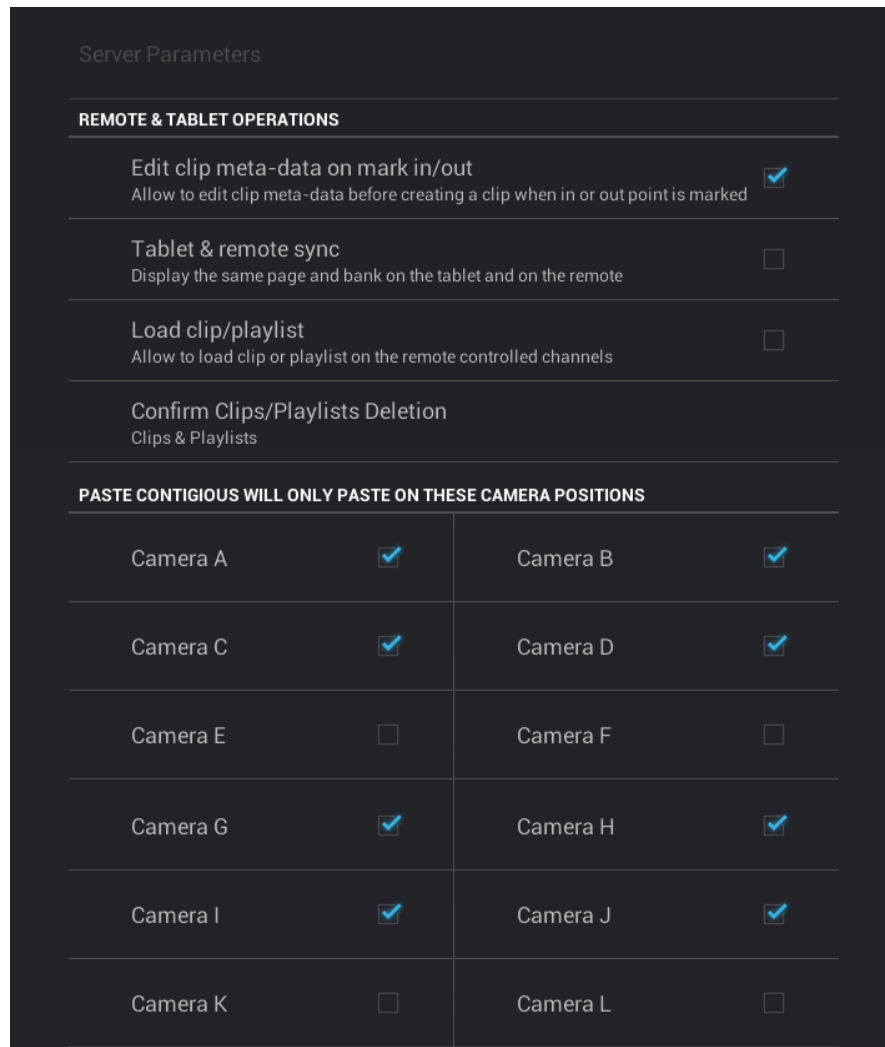


Note

The Epsio FX Parameters menu is only displayed when the Epsio FX server is properly connected to the LSM Connect via the Epsio FX Connection menu. Refer to the Epsio FX user manual for a detailed description of the Epsio FX Parameters menu.

Server Parameters

The Server Parameters menu items appear on the right of the Settings screen when you select the Server Parameters menu on the left:



Server Parameters

REMOTE & TABLET OPERATIONS

Edit clip meta-data on mark in/out ☒
 Allow to edit clip meta-data before creating a clip when in or out point is marked

Tablet & remote sync ☐
 Display the same page and bank on the tablet and on the remote

Load clip/playlist ☐
 Allow to load clip or playlist on the remote controlled channels

Confirm Clips/Playlists Deletion
 Clips & Playlists

PASTE CONTIGIOUS WILL ONLY PASTE ON THESE CAMERA POSITIONS

Camera A <input checked="" type="checkbox"/>	Camera B <input checked="" type="checkbox"/>
Camera C <input checked="" type="checkbox"/>	Camera D <input checked="" type="checkbox"/>
Camera E <input type="checkbox"/>	Camera F <input type="checkbox"/>
Camera G <input checked="" type="checkbox"/>	Camera H <input checked="" type="checkbox"/>
Camera I <input checked="" type="checkbox"/>	Camera J <input checked="" type="checkbox"/>
Camera K <input type="checkbox"/>	Camera L <input type="checkbox"/>

The table below describes the parameters of the Server Parameters menu:

Name	Description
Edit clip metadata on mark in/out	This option allows you to enter the clip metadata using LSM Connect when you mark an IN or OUT point with the Remote Panel. When this option is active and when you mark an IN or OUT point on the Remote Panel, a metadata window pops up on the LSM Connect.
Tablet and remote sync	This option allows the automatical page and bank synchronization between the Remote Panel and the clip tab in grid view.
Load clip/playlist	This option allows you to load a clip or a playlist on the first PGM using a double tap on the requested clip or playlist in LSM Connect.

	Name	Description
NEW !	Confirm Clips/Playlist Deletion	This option enables a confirmation request in LSM Connect, when users delete clips, playlists or in both situations.
NEW !	Paste Contiguous will ...	The setting allows you to select the camera positions (from A to L) that will be filled in when users select the Paste Contiguous command.

Maintenance Menu

The Maintenance menu items appear on the right of the Settings screen when you select the Maintenance menu on the left:

Maintenance

CLEAR ICON AND COLOR CACHE

117050 ☐

Clear

EXPORT LOGS TO THE CONNECTED SERVER

Connected to server LP XT3, remote 1

Export

MULTICAM WEB CONFIGURATION

Connected to server LP XT3

Launch

KEYWORD GRID

SAMPLE

View Import Export

The table below describes the commands available in the Maintenance menu:

Name	Description
Clear icon and color cache	The colors and emoticons assigned to clips in the clip toolbar are only stored on the LSM Connect. This command allows you to clear this metadata for each EVS server the LSM Connect has connected to. To clear the cache, select the serial number of the EVS server you want to clear the cache information and tap Clear .
Export logs to the connected server	To export the LSM Connect logs directly to the EVS server it is connected to, tap Export .
Multicam Web Configuration	To launch the Multicam Web Configuration module on the tablet, tap Launch .
Keyword Grid	From this menu, you can perform the following actions: <ul style="list-style-type: none"> • View and edit the current keyword grid defined on the EVS server • Import a new keyword grid and make it current on the EVS server • Export the current keyword grid on the EVS server to the tablet. See section "Keyword Management" on page 61 for more information on how to manage the current keyword grid.

5.2. LSM Tablet Settings

Introduction

This section refers to some settings you should check on the LSM tablet to ensure a proper use of the LSM Connect application.

How to Enter the Settings Screen

Quick Procedure

If the **Settings** icon is available on one of the home screens, tapping the **Settings** icon



directly opens the **Settings** screen.

Long Procedure


If no Settings icon is available on one of the home screens, proceed as follows to enter the Settings screen:

1. Tap the **Notification** area on the bottom right corner of the LSM tablet

The **Quick Setting** panel open on the bottom right.

2. Tap the Settings icon  in the **Quick Setting** pane.

Another panel opens.

3. Tap again the Settings icon  in this panel.

The Settings window opens.

Setting the IP Address of the LSM Tablet

Introduction

If you do not have DHCP, and want to use a static IP address for each LSM tablet, you should specify this in the tablet settings in the following way:

Procedure

To assign a static IP address to the LSM Tablet, proceed as follows

1. In the Settings screen, select the **Ethernet** menu in the Wireless and Networks section.

2. Select IP Settings among the menu items on the right.

The IP Settings dialog box opens

3. Tap the **Static IP** radio button.

4. Select **IP Address** among the menu items on the right.

The IP Address dialog box opens.

5. Type the IP address you want to assign your LSM tablet and tap **OK**.

6. Tap the **Connect** button to set up the Ethernet connection.

Setting the Default Keyboard

Introduction

The default keyboard should be set to **Android keyboard English (US)** to ensure that all keyboard shortcuts will work properly if you have connected and use a physical keyboard with the LSM Connect.



Procedure

To set the default keyboard parameter as requested, proceed as follows:

1. In the Settings screen, select the **Language & input** menu in the Personal section.
2. Select the **Default** parameter in the Keyboard & Input Methods section in the menu items on the right.

The Chose input method dialog box opens.

3. Tap **ON** in the Hardware field to active the use of the physical keyboard.
4. Tap **English (US) Android keyboard** radio button to set up the keyboard.

The keyboard is properly set up.

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