

**SONY®**

LIVE PRODUCTION CONTROL SOFTWARE

# **ELC-MVS01**

User's Guide

English

1st Edition (Revised 2)

Software Version 1.2.0 and Later

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# Introduction

This section provides information that you should know before reading the User's Guide for the ELC-MVS01 Live Production Control Software.

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## Configuration of This Guide

The User's Guide explains how to set up and operate the ELC-MVS01 software. It is composed of the following groups:

### Overview

Chapter 1 explains the basic concepts of the ELC-MVS01 software, its four component applications, system configurations, and workflow.

Chapter 2 explains the names and functions of each part in the five major windows of the ELC-MVS01 software: Initial Setup, Icon Manager, ELC Plug-in, Playlist Viewer, and OA Playlist.

### Preparations

The Chapters from 3 to 5 explain preparations and setup that mainly technical directors or system integrator should be responsible for before making news programs: making the initial setup with the Initial Setup application, creating Icons with the Icon Manager, and making cues in the ELC Plug-in application. If necessary, ELC operators can refer to and change required settings.

Chapter 6 provides required preparations that technical directors should be responsible for when they use advanced functions of the software: switching multiple snapshots and videos manually.

### Operations

Chapters 7 and 8 instruct ELC operators on how to create a playlist based on a rundown they had created on NRCS (ELC Plug-in/Playlist Viewer applications). These Chapters also explain a series of procedures to play out the created playlist with the OA Playlist application.

Chapter 9 explains how to execute the settings performed in Chapter 6; how to recall multiple snapshots such as 2Box effects manually, and switch video manually (Manual Switching).

### Appendix

The section consists of glossary and index.

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## Notational Conventions

- The plus sign (+) is used to indicate that two keys on the keyboard should be pressed at the same time. For example, Ctrl + C means to press the C key while holding the Ctrl key down.
- Square brackets ([ ]) are used to indicate a menu that should be used or button command that should be clicked to perform an intended operation.
- The greater than sign (>) is used to indicate that a menu subcommand is located below another menu command. For example, [Tools] > [Plug-in] means that the [Plug-in] command is a subcommand of the [Tools] command.

### Notice for the pictures on this guide

The pictures used in this guide may be different from the ones actually displayed and are subject to change without notice.

# Overview

---

This section explains the basic concepts of the ELC-MVS01 software, its component applications, system configurations, workflows, and elements of a playlist. It also explains the names and functions of each part in the major windows of the ELC-MVS01 software: Initial Setup, Icon Manager, ELC Plug-in, Playlist Viewer, and OA Playlist.

**Chapter 1 Overview..... 9**

**Chapter 2 Names and Functions of Parts..... 18**

## Features

The ELC-MVS01 Live Production Control Software provides an automation solution for the News Room Computer System (hereinafter referred to as “NRCS” in this manual), taking full advantage of the unprecedented high performance and multifunctionality of the Sony MVS-8000 Multi Format Switcher system. The following are some of the principal features of this software.

### NRCS Centric

The ELC-MVS01, when incorporated into an existing NRCS-centric broadcast system, allows you to utilize the existing workflows to create programs. It automates control over devices which used to be manually controlled by a specialized operator.

### Complex device control taking advantage of the Sony MVS-8000 network

Coupled with an MVS-8000 system, the ELC-MVS01 automates control over robotic cameras, audio mixer, disk recorder, audio servers, playout server, or any other MVS-8000 system components.

### Enhanced flexibility with manual operations

In addition to its versatile automation features, the ELC-MVS01 also provides flexible manual on-air operations, including adjustment of audio levels, or inserting or deleting the DSK.

### Real-time synchronization and update of playlists

If NRCS rundown changes occur, real-time synchronization updates the ELC-MVS01 playlist (referred to as “ELC playlist” in this manual), so that you can cope with last minute modifications.

### An easy-to-use graphic user interface

The ELC-MVS01 software offers an easy-to-use graphic user interface which navigates you through a series of program creation procedures: allocating frequently-used settings to an icon, using icons to create a cue, using cues to create a playlist, and finally playing out a playlist, all in integrated, simple-to-operate operation windows.

## ELC-MVS01 Software Products

The ELC-MVS01 Live Production Control Software system consists of the following software components, products, and optional software products.

### Software Components Products

The ELC-MVS01 Live Production Control Software consists of the following applications:

- **ELC Plug-in (including a 5-user licence)**  
This application allows you to register frequently-used scenes as a “cue” (Quick Cue), and set or edit a cue (Cue Edit). It also allows you to create a playlist. (The software works as a plug-in to the NRCS client software.)
- **ELC Playlist Viewer (including a 5-user licence)**  
This application allows you to view created playlists. (The software works as an independent application.)
- **Icon Manager**  
This application is used to associate frequently-used device settings with Video, Audio, Transition, and Effect Icons for easily creating playlists.
- **ELC OA Playlist**  
This application is used to play out created playlists.
- **Initial Setup**  
This application is used to set up the system occasionally, for example, when a new news program is planned.
- **System Setup**  
This application is used to set up the system for system integration purposes. To use this application, access to

the Sony web site for the system setup.  
For details, contact your Sony service representative.

---

## Optional Software Products

As an optional software product, the ELC-MVS01 Live Production Control Software offers the following:

- **BZEL-MVS11 Sony Redundant Control Software**

This product is used to configure a redundant system for ELC-MVS01. Using this software to configure two PCs, one as the main PC, and one as the backup, allows you to continue working, even if the main PC experiences a problem. Switchover is accomplished by means of a simple operation.

- **BZEL-MVS21 Sony NRCS Plug-in Software**

This product contains an additional 5-user licenses for the ELC Plug-in application and the Playlist Viewer. These are floating licenses.

- **BZEL-MVS41 Sony Audio Mixer I/F Software**

This product aims to control an audio mixer from the ELC-MVS01.

- **BZEL-MVS51 Sony Camera Robotics I/F Software**

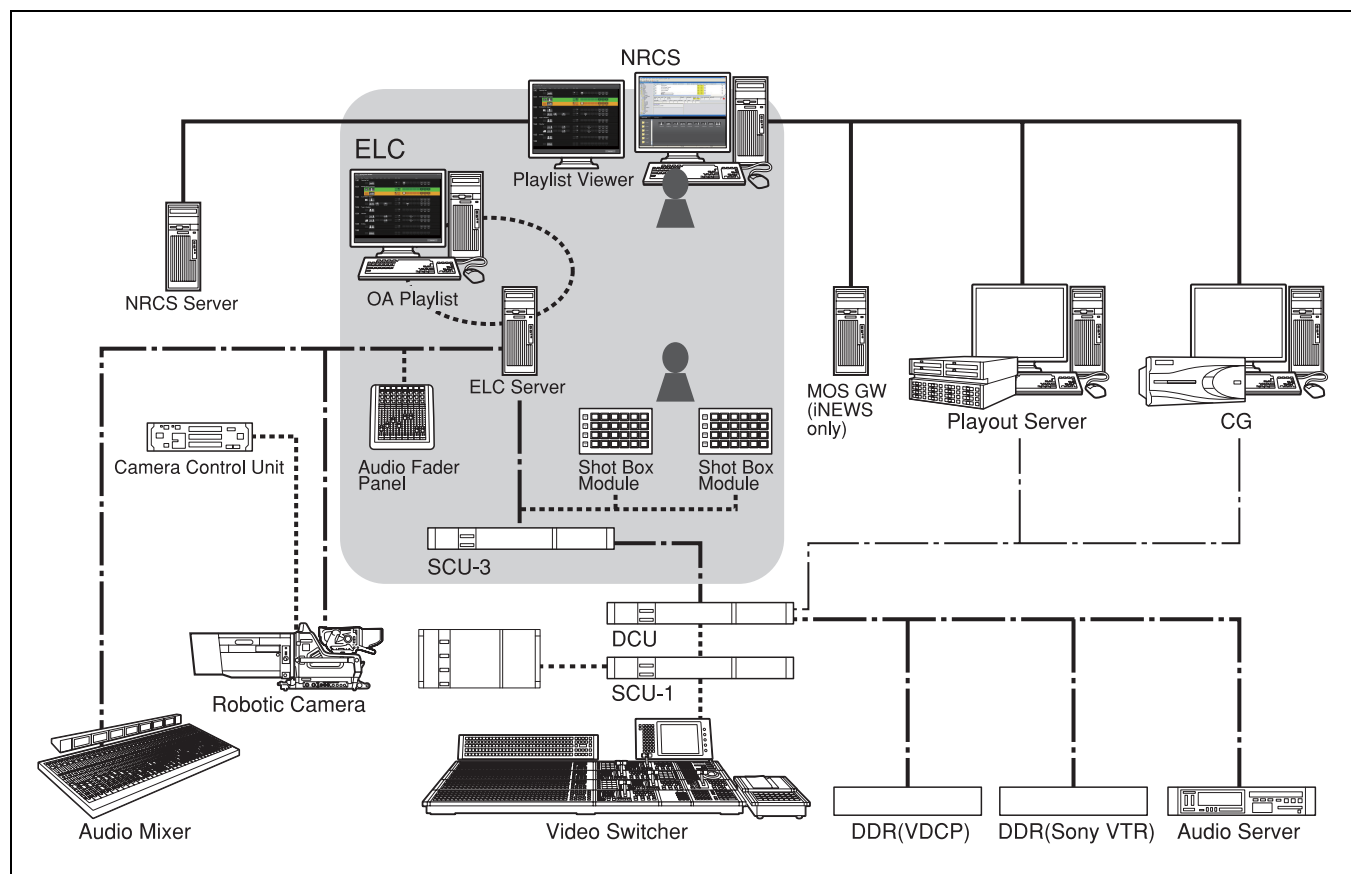
This product aims to control robotic cameras from the ELC-MVS01.

# System Configurations

## Basic System Configuration

The ELC-MVS01 Live Production Control Software supports flexible NRCS-centric system configurations with an MVS-8000 system, audio mixer, robotic camera, audio server, playout server, CG and other devices.

The following illustration shows an example image of the basic system configuration with the NRCS.



## Equipment to be Used in the System

This section explains major devices to be used with the ELC-MVS01 Live Production Control Software system:

### Devices required for ELC-MVS01 control (Shown on a gray background in the system configuration diagram)

#### • Shot Box Module

The shot box module is used for allocating a variety of manual operations to its 96 operation buttons. This module is required when you forward an ELC playlist with the TAKE button, or inserting or deleting the DSK. Up to two modules can be connected, although the functions to be associated are the same.

#### • Audio Fader Panel

The audio fader panel allows you to associate a total of 16 audio mixer channels with its 8 faders, and to adjust audio levels, change PFL(Cue) and MIX- settings, and turn the channels on and off.

Its front 8 faders automatically change their assignment settings and adjust audio levels according to the process in a playlist. For the back 8 faders, the assignments are fixed and audio levels should be adjusted manually.

### Devices under ELC-MVS01's control (Connected with black dash-dot lines in the system configuration diagram)

The following devices perform on-air operations according to the ELC playlist under the ELC-MVS01's control:

- **Video Switcher**

The switcher uses an M/E for OA video effects and another M/E for NEXT video effects, and uses PGM/PST to switch OA and NEXT video signals. It controls Keys automatically according to the ELC-MVS01's settings, and controls the DSK manually. The ELC-MVS01 does not make the DSK settings, but it uses the settings (Initial Snapshot) automatically loaded when the OA Playlist application is started.

- **DDR (VDCP)**

The DDR (VDCP) is a disk recorder that the ELC-MVS01 can control with VDCP (Video Disk Control Protocol). You should register and list necessary video files to be used in the ELC-MVS01 in advance by using the Initial Setup application.

- **DDR (SonyVTR)**

The DDR (SonyVTR) is a disk recorder that the ELC-MVS01 can control with Sony VTR Protocol. You can use the desired video materials in the recorder by specifying the IN point.

- **Audio Server**

You should register and list necessary audio files to be used in the ELC-MVS01 in advance by using the Initial Setup application. While preparing a cue, you can specify the file names in the list.

- **Robotic Camera**

The ELC-MVS01 recalls the shots of the robotic camera. Since manual control from the ELC-MVS01 is not available, the controllers supplied with the robotic camera system is to be used.

- **Audio Mixer**

The ELC-MVS01 controls the audio levels, Ch On/Off, changes in MIX- settings, and the function of the audio mixer, automatically. Use of the audio fader panel enables manual control of audio channels for 16 faders. Depending on the type of input signals, there are two types of audio mixers:

- Stereo fader mixer: handles stereo signals for each input channel fader. This type of mixer is referred to as a "stereo fader mixer" in this manual.
- Mono fader mixer: handles monaural signals for each input channel fader. This type of mixer is referred to as a "mono fader mixer" in this manual.

control manual operation, you need the control panel supplied with each device.

- **CG (Character Generator)**

CG is the server of CG or still images. After receiving Off from the Tally of the switcher, it prepares the next materials.

- **Playout Server**

The playout server is an audio and video server that contains daily-changing materials. The server receives a GPI from the ELC-MVS01, and plays the materials. The ELC-MVS01 does not specify files or make channels settings, which are specified or made in the NRCS system.

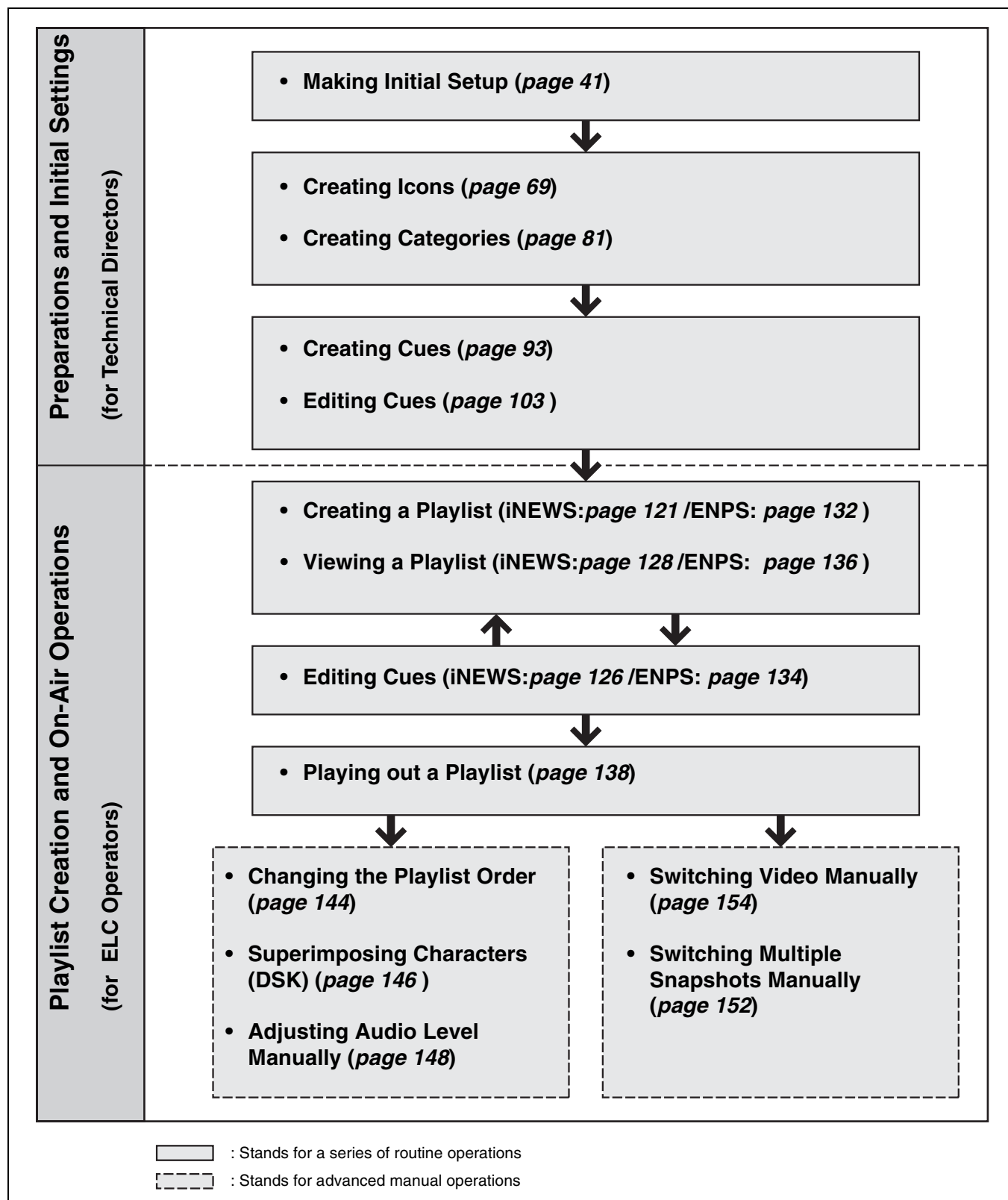
## Devices beyond ELC-MVS01's control (Connected with black solid lines in the system configuration diagram)

The following devices usually interface to NRCS and get Rundown. They have their own playlist creation functions. A change in the NRCS rundown is directly reflected, while changes in the ELC playlist in the OA Playlist application will not be reflected and manual changes are required. To



# Basic Operation Flow

The following flowchart shows an example of the operations when the system is installed.



# Overview of Playlist Creation

## Playlist Creation Flow

The ELC-MVS01 provides the ELC Plug-in application for the NRCS client software to create a playlist, and the Playlist Viewer application to view the created playlist. The images below show how an ELC operator uses both applications to create a rundown and view a playlist in a news room.

You can create a playlist easily by adding a cue from the Quick Cue of the ELC Plug-in to the NRCS client window

as an ELC object, which is called “Production cue” for iNEWS and “Item” for ENPS.

Whether you use iNEWS or ENPS as an NRCS, the windows and playlist creation operations differ. See either of the sections below according to your NRCS type.

## When using iNEWS

The image shows two screenshots from the iNEWS and ELC Playlist applications. The left screenshot is the iNEWS interface, and the right screenshot is the ELC Playlist interface. Numbered callouts (1, 2, 3, 4) point to specific elements in both interfaces.

- 1** Points to the 'Quick Cue' button in the iNEWS interface.
- 2** Points to the 'Cue Edit' window in the iNEWS interface.
- 3** Points to the 'Cue' button in the ELC Playlist interface.
- 4** Points to the 'Cue' button in the ELC Playlist interface.

**Cue**  
Each icon represents a cue, i.e., frequently-used scenes.

**ELC Plug-in (Quick Cue)**

**ELC Playlist**

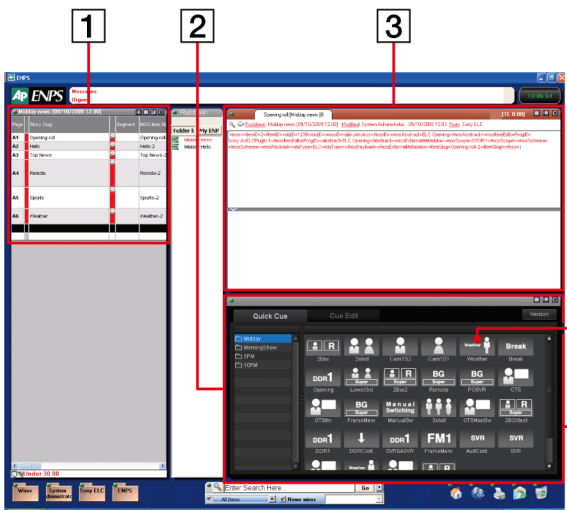
A playlist can be created, viewed, and played out as follows:

For ELC production cue settings, see “Rules in setting ELC production cues” on page 123.

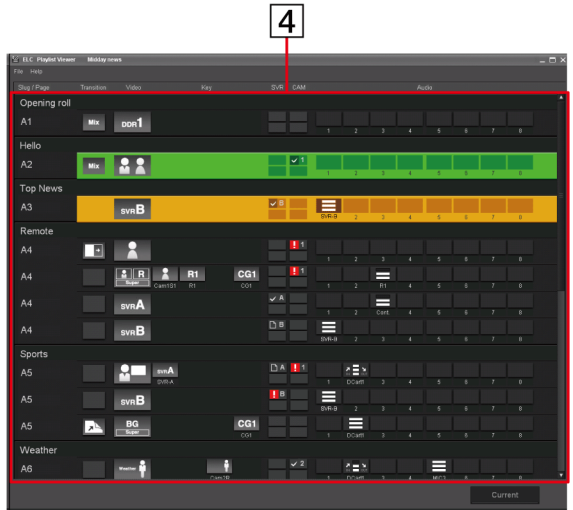
Location	Purpose	Operator	Operations in the iNEWS window	Display in the ELC Playlist	Ref.page
News-room	Creating a news program	Producer	<b>1</b> Create a rundown (baseline of a program) using the iNEWS client. (Conventional operation) <b>→ Rundown is created.</b>	At this time, there are no ELC settings made for the rundown. <b>→ Playlist is not created.</b>	
		ELC Operator	<b>2</b> Add a cue in the Quick Cue of the ELC Plug-in to the iNEWS rundown as a production cue with a drag-and-drop operation. <b>3</b> Assign channels for CG or playout server for the iNEWS client. Then save the rundown.(Conventional operation)	<b>4</b> Production cues with the same page number make an ELC story. Cues appear in a playlist. <b>→ Playlist is created.</b>	page 121
					page 123

Location	Purpose	Operator	Operations in the iNEWS window	Display in the ELC Playlist	Ref.page
Control Sub room	On the air	Producer	Change the rundown order in the iNEWS client. (Conventional operation)	Changes in the rundown will be reflected.	page 126 pages 12, 123 page 12
		ELC Operator	<ul style="list-style-type: none"> <li>• Add a production cue or edit cues even while on the air (except for the OA Cue).</li> <li>• Change the channel assigned for the CG or playout server for the iNEWS client. (Conventional operation)</li> <li>• Skip stories on the rundown separately on the iNEWS client, on each device, or in the ELC Plug-in application.(Conventional operation)</li> </ul>		

## When using ENPS



**ENPS**



**ELC Playlist**

Cue  
Each icon represents a cue, i.e., frequently-used scenes.

ELC Plug-in (Quick Cue)

A playlist can be created, viewed, and played out as follows:

For ELC production cue settings, see “Rules in setting ELC items” on page 134.

Location	Purpose	Operator	Operations in the ENPS window	Display in the ELC Playlist	Ref.page
News-room	Creating a news program	Producer	<b>1</b> Create a rundown (baseline of a program) using the ENPS client. (Conventional operation) <b>→ Rundown is created.</b>	At this time, there are no ELC settings made for the rundown. <b>→ Playlist is not created.</b>	
		ELC Operator	<b>2</b> Add a cue in the Quick Cue of the ELC Plug-in to the ENPS rundown as an Item with a drag-and-drop operation. <b>3</b> Assign channels for CG or playout server for the ENPS client. Then save the rundown. (Conventional operation)		
				<b>4</b> Items with the same Slug make an ELC story. Cues appear in a playlist. <b>→ Playlist is created.</b>	page 132

Location	Purpose	Operator	Operations in the ENPS window	Display in the ELC Playlist	Ref.page
Control Sub room	On the air	Producer	Changing the rundown order in the ENPS client. (Conventional operation)	Changes in the rundown will be reflected.	<i>page 134</i> <i>pages 12, 134</i> <i>page 12</i>
		ELC Operator	<ul style="list-style-type: none"> <li>• Add an Item or edit cues even while on the air (except for the OA Cue).</li> <li>• Change the channel assigned for the CG or playout server for the ENPS client. (Conventional operation)</li> <li>• Skip stories on the rundown separately on the ENPS client, on each device, or in the ELC Plug-in application.(Conventional operation)</li> </ul>		

## Elements of a Playlist

This section explains the elements of a playlist. The following shows the relationship between an Icon, a cue, a story, and a playlist in the Playlist Viewer application:

The screenshot shows the ELC Playlist Viewer application interface. The playlist is organized into sections: OPENING ROLL, HELLO, TOP NEWS, POLITICS, SPORTS, and WEATHER. Each section contains various icons and cues. Labels on the left side point to specific elements: 'Page' points to '100', 'Slug' points to '101', 'Icon' points to a person icon, 'Cue' points to a red box around a cue, 'ELC Story' points to a green box around a story, and 'Playlist' points to the entire list. The interface includes a menu bar (File, Help), a toolbar (Page / Slug, Transition, Video, Key, SVR, CAM, Audio), and a 'Current' button at the bottom right.

### Icon

An Icon is a graphic representing settings of a video switcher, audio mixer, and devices for materials including cameras, servers, and CG.

There are the following four types of Icons:

- **Video Icon**

A Video Icon represents video materials from the camera, playout server, CG, and DDR.

- **Audio Icon**

An Audio Icon represents audio materials from an audio server, or video server.

- **Transition Icon**

A Transition Icon represents a transition setting.

- **Effect Icon**

An Effect Icon represents a setting of compound video effects.

## Cue

A cue is composed of Icons and their detailed settings. It is the minimum unit, a frequently-used scene, to be taken by the TAKE button. You can easily set a cue, registered in the Quick Cue window in the ELC Plug-in application, to the NRCS rundown. You can edit created cues in the Cue Edit window.

## ELC Story

An ELC Story definition differs between iNEWS and ENPS:

- In iNEWS: A group of cues with the same NRCS Page number is defined as an ELC story.
- In ENPS: A group of cues with the same NRCS Slug is defined as an ELC story.

## Playlist

A playlist is a list of ELC stories placed in the order to be played out.

# Names and Functions of Parts

## Chapter

# 2

## Initial Setup Window

The Initial Setup application is designed for technical directors to make required setup for routine operations when a new program is planned or there is a change on a device on a studio.

To open the Initial Setup main menu, double-click the Initial Setup icon on the desktop. From the Initial Setup Main Menu, you can select the following sub menus:

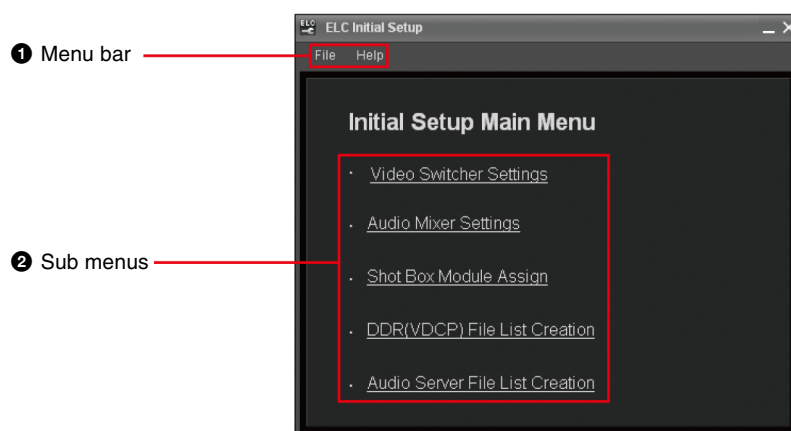
- **Video Switcher Settings:** It allows you to associate a V/K pair number of the video switcher with an Icon.
- **Audio Mixer Settings:** It allows you to associate the input fader number of the audio mixer with an Icon, and specifies audio level options of the ELC-MVS01. It also associates each fader number of the Audio Fader panel with a device icon registered in the ELC-MVS01, so that

automatic or manual control from the ELC-MVS01 becomes enabled.

- **Shot Box Module Assign:** It allows you to assign functions to be used for manual on-air operations to the buttons on the shot box module.
- **DDR(VDCP) File List Creation:** It allows you to register the files of DDR(VDCP) to be used in the ELC-MVS01 software.
- **Audio Server File List Creation:** It allows you to register the files of the audio server to be used in the ELC-MVS01 software.

You can also view the windows of the Initial Setup application in the System Setup application.

## Initial Setup Main Menu



**1 Menu bar**

The Menu bar provides menus for using the Initial Setup.

- **File menu:**

**Exit:** Exits the Initial Setup menu.

- **Help menu:**

**Version:** Displays the Initial Setup version number.

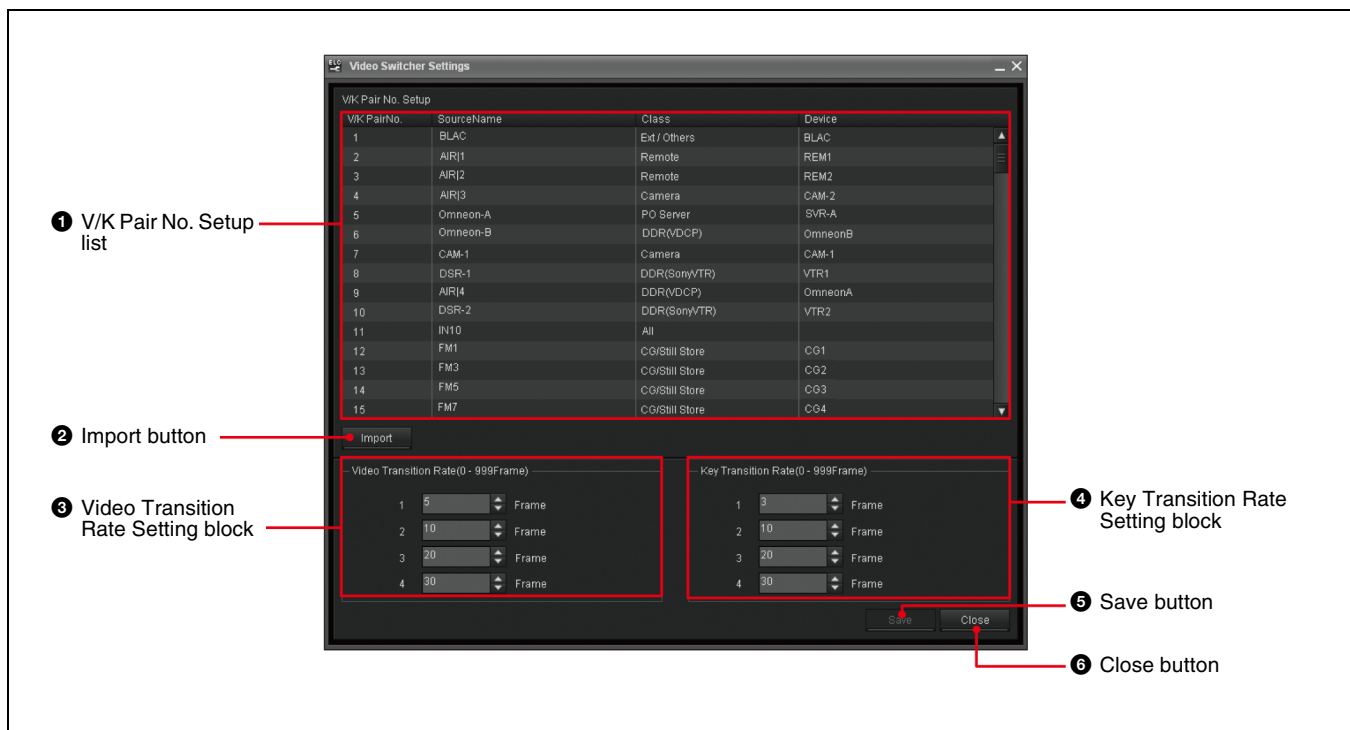
**Help:** Displays this User's Guide.

**2 Sub menus**

Click the desired sub menu line to open the setting window for the selected menu option.

*For the Initial Setup Application, see “Starting the Initial Setup Application” on page 42.*

## Video Switcher Settings Window

**1 V/K Pair No. Setup list**

Allocate the V/K pair number of switcher to an ELC-MVS01 Video Icon:

- **V/K Pair No.:** A fixed number between 1 to 128 is displayed, which has been specified by the switcher.
- **Source Name:** The source name of the video specified by the switcher is displayed in up to 16 alphanumeric characters.
- **Class:** Select the desired class to narrow down the devices to be displayed, since devices are classified into classes.
- **Device:** Select the desired device, which is corresponding to a V/K pair number, to be displayed in the selected Class.

**2 Import button**

Press this button to import the source name of the video signal from the switcher.

**3 Video Transition Rate Setting block**

Select an option for the video transition rate to be displayed in the Cue Edit window.

**4 Key Transition Rate Setting block**

Select an option for the key transition rate to be displayed in the Cue Edit window.

**5 Save button**

Press this button to save the settings.

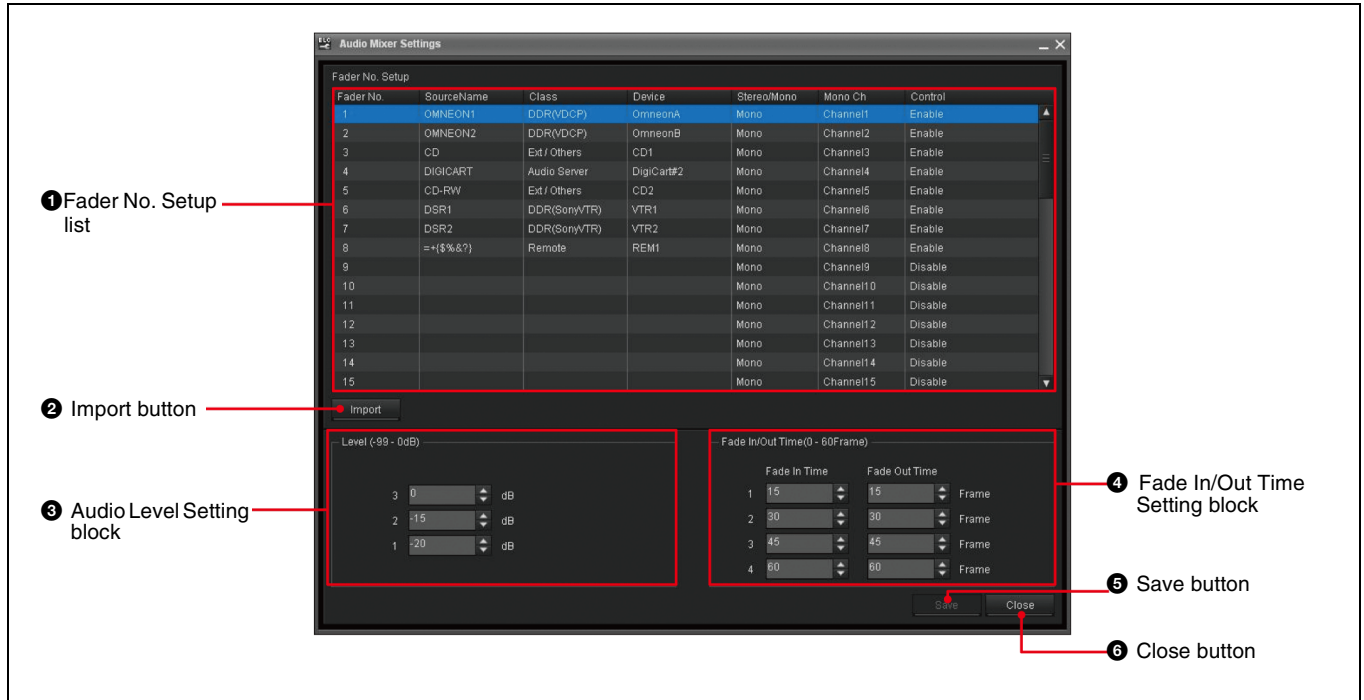
**6 Close button**

Press this button to close the Video Switcher Settings window.

*For the settings on the Video Switcher Settings window, see “Making the Video Switcher Settings” on page 44.*

## Audio Mixer Settings Window

Depending on the type of the audio mixer used, either, a stereo fader mixer or a mono fader mixer, the contents of the window differ.



### 1 Fader No. Setup list

Allocate the input Fader number of the audio mixer to an Audio Icon:

- **Fader No.:** A fader number of an audio mixer panel is displayed according to the Device Setup settings of the System Setup application.  
For a mono fader mixer, the fader number displayed in this column may differ from that displayed on the audio mixer panel.
- **Source Name:** The source name of the audio input specified with the mixer is displayed in up to 8 alphanumeric characters.  
When a mono fader mixer is being used and the fader is paired, the source name for the odd fader number is displayed.
- **Class:** Select the desired class to narrow down the devices to be displayed, since devices are classified into classes.
- **Device:** Select the device in the selected Class corresponding to the input Fader number.
- **Stereo/Mono\*:** Displays the Device Setup settings of the System Setup application for how the fader is controlled, in stereo or monaural:  
**Stereo:** The fader is paired and controlled in stereo.  
**Mono:** The fader is used and controlled monaurally.

- **MonoCh\*:** Displays the channels actually controlled according to the Stereo/Mono setting of the Device Setup of the System Setup application.
- **Control:** Enable or disable automatic or manual fader control from the ELC-MVS01 system. (Including assignment of an Audio Icon to the audio fader panel.)

\* Displayed only when a mono fader mixer is being used.

### 2 Import button

Press this button to import the source name of the input audio from the audio mixer.

### 3 Audio Level Setting block

Set the Audio Level options to be displayed in the Cue Edit window.

### 4 Fade In/Out Time Setting block

Set the Fade In/Out Time options to be displayed in the Cue Edit window.

### 5 Save button

Press this button to save the settings.

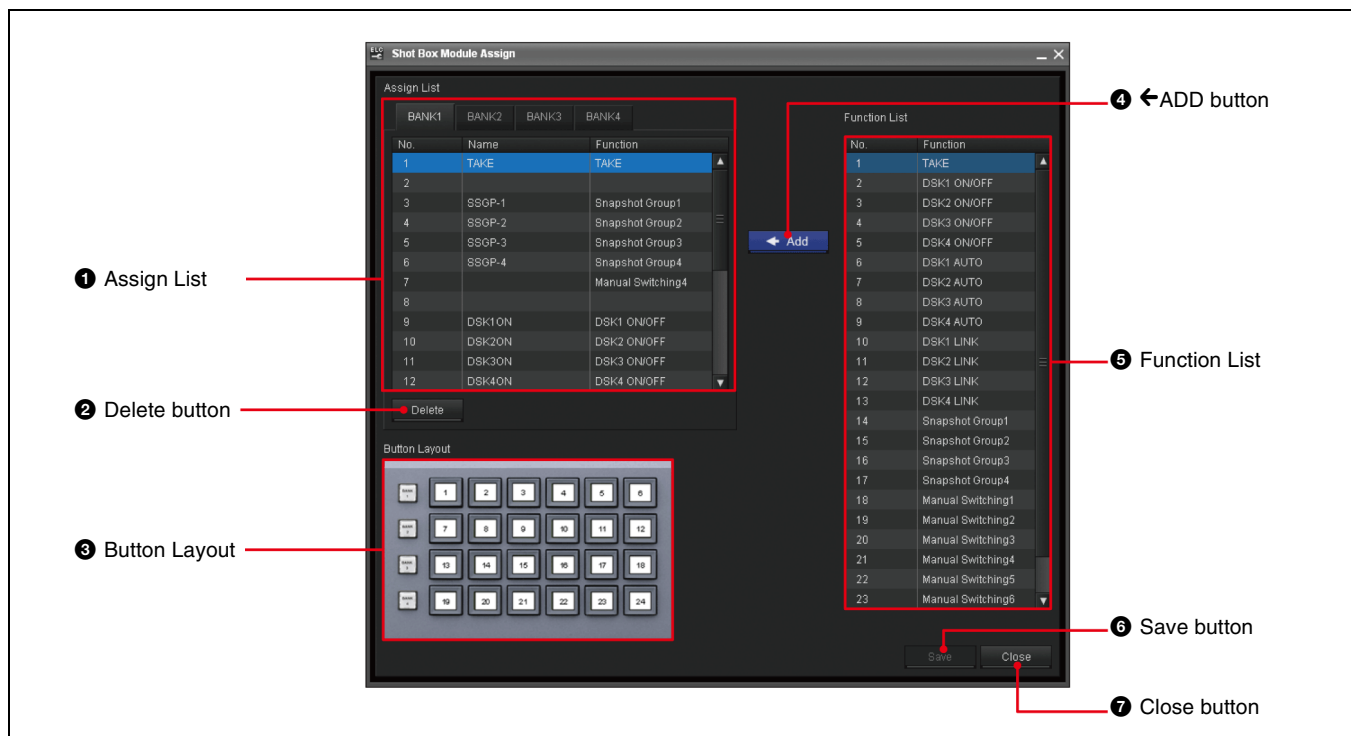
### 6 Close button

Press this button to close the Audio Mixer Settings window.



For the settings on the Audio Mixer Settings window, see “Making the Audio Mixer Settings” on page 47.

## Shot Box Module Assign Window



### 1 Assign List

The list of functions assignment to buttons on the shot box module is displayed.

- **BANK 1 to 4 tabs:** Select the desired BANK tab corresponding to the BANK button on the shot box module.
- **No.:** The button number for the selected BANK on the shot box module to which the function is assigned.
- **Name:** The name of the assigned function, which is displayed on the relevant button on the shot box module. You can rename it in up to 8 alphanumeric characters by double-clicking the relevant column.
- **Function:** The function assigned on the button is displayed.

### 2 Delete button

Press this button to delete the selected function from the Assign List.

### 3 Button Layout

The button layout of the shot box module is displayed, to help you identify the location of the button specified in the “No.” column of the Assign List.

### 4 ←ADD button

Press this button to add the selected function of the Function List to the Assign List.

### 5 Function List

Select the function that you want to assign to a recall button of the shot box module.

### 6 Save button

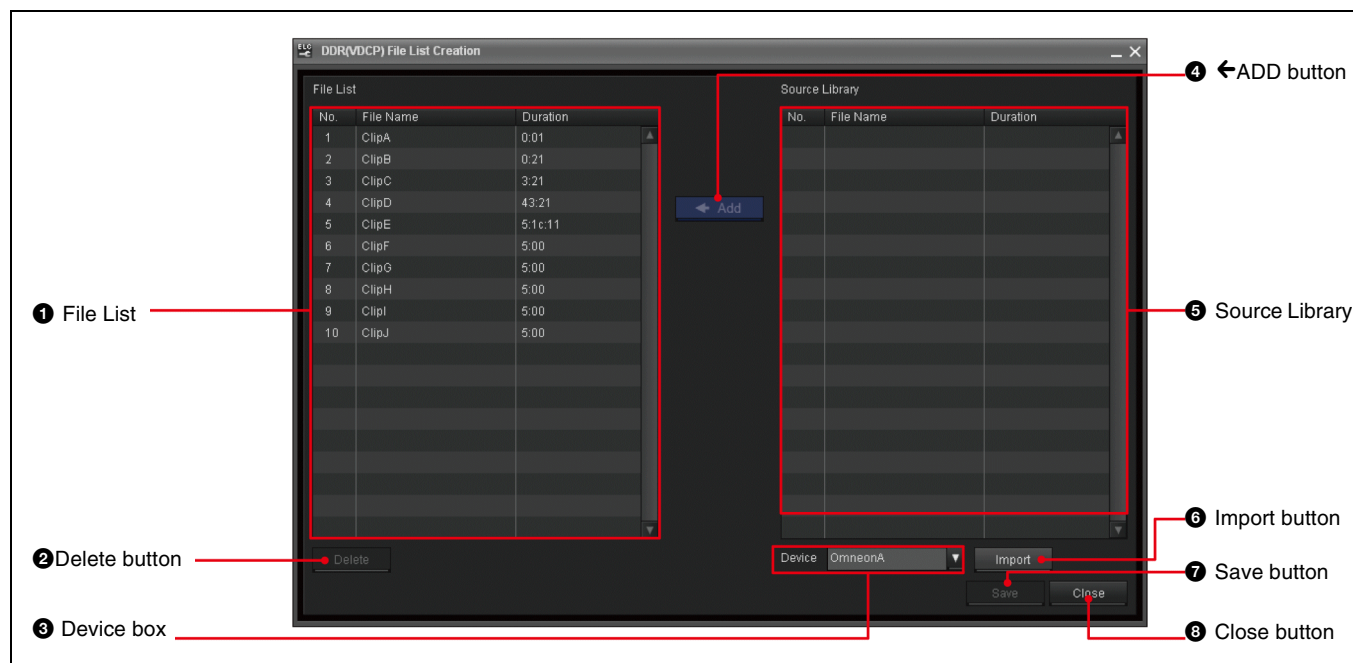
Press this button to save the settings.

### 7 Close button

Press this button to close the Shot Box Module Assign window.

For the settings on the Shot Box Module Assign window, see “Assigning Functions to the Shot Box Module Buttons” on page 54.

## DDR(VDCP) File List Creation Window



### 1 File List

A list of files added from the DDR(VDCP) which are ready for use with the ELC-MVS01 is displayed.

- **No.:** Series numbers of the added files.
- **File Name:** The name, up to 23 alphanumeric characters of the file stored the DDR(VDCP).
- **Duration:** The length of the file stored on the DDR(VDCP) in HH:MM:SS:FF.

### 2 Delete button

Press this button to delete the selected file from the File List.

### 3 Device box

Select the desired device for which you would like to import information to the Source Library and then create the file list.

### 4 ←ADD button

Press this button to add the selected file of the Source Library to the File List.

### 5 Source Library

The files stored on the DDR(VDCP) are displayed.

- **No.:** Series numbers of the files stored in the DDR(VDCP).
- **File Name:** The name, up to 23 alphanumeric characters of the file stored on the DDR(VDCP).
- **Duration:** The length of the file stored on the DDR(VDCP) in HH:MM:SS:FF.

Select the line of the file you want to add to the File List.

### 6 Import button

Press this button to import the File Name and Duration information of the files from the DDR(VDCP).

### 7 Save button

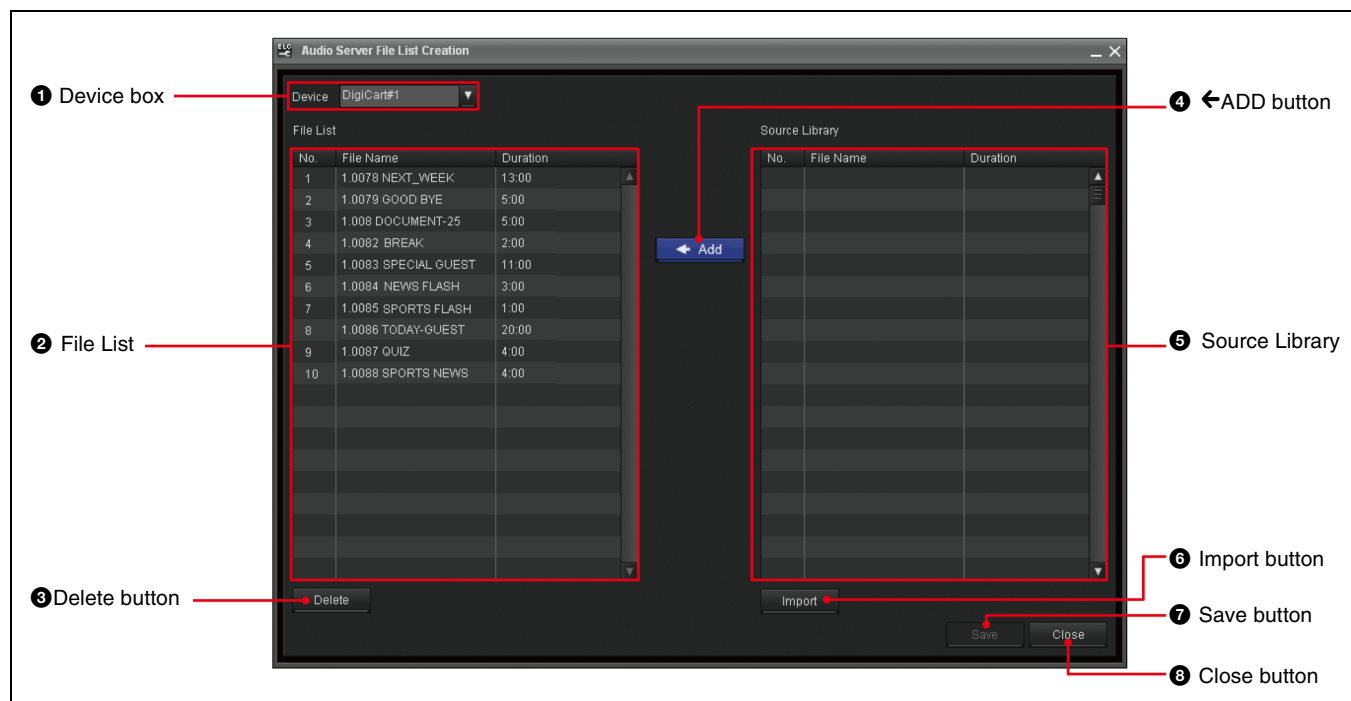
Press this button to save the settings.

### 8 Close button

Press this button to close the DDR(VDCP) File List Creation window.

*For the settings on the DDR(VDCP) File List Creation window, see “Managing Video Material - Creating the DDR(VDCP) File List” on page 59.*

## Audio Server File List Creation Window



### 1 Device box

Select the desired device for which you would like to create a file list, so that the files will be displayed both in the File List and Source Library.

### 2 File List

Displays the list of files added from the audio server which are ready for use with the ELC-MVS01.

- **No.:** Series numbers of the added files.
- **File Name:** The name, up to 23 alphanumeric characters of the file stored on the audio server.
- **Duration:** The length of the file stored on the audio server in HH:MM:SS:FF.

### 3 Delete button

Press this button to delete the selected file from the File List.

### 4 ←ADD button

Press this button to add the selected file of the Source Library to the File List.

### 5 Source Library

The files stored on the audio server are displayed.

- **No.:** Series numbers of the files stored in the audio server.
- **File Name:** The name, up to 23 alphanumeric characters of the file stored on the audio server.
- **Duration:** The length of the file stored on the audio server in HH:MM:SS:FF.

Select the line of the file you want to add to the File List.

### 6 Import button

Press this button to import the File Name and Duration information of the files from the audio server.

### 7 Save button

Press this button to save the settings.

### 8 Close button

Press this button to close the Audio Server File List Creation window.

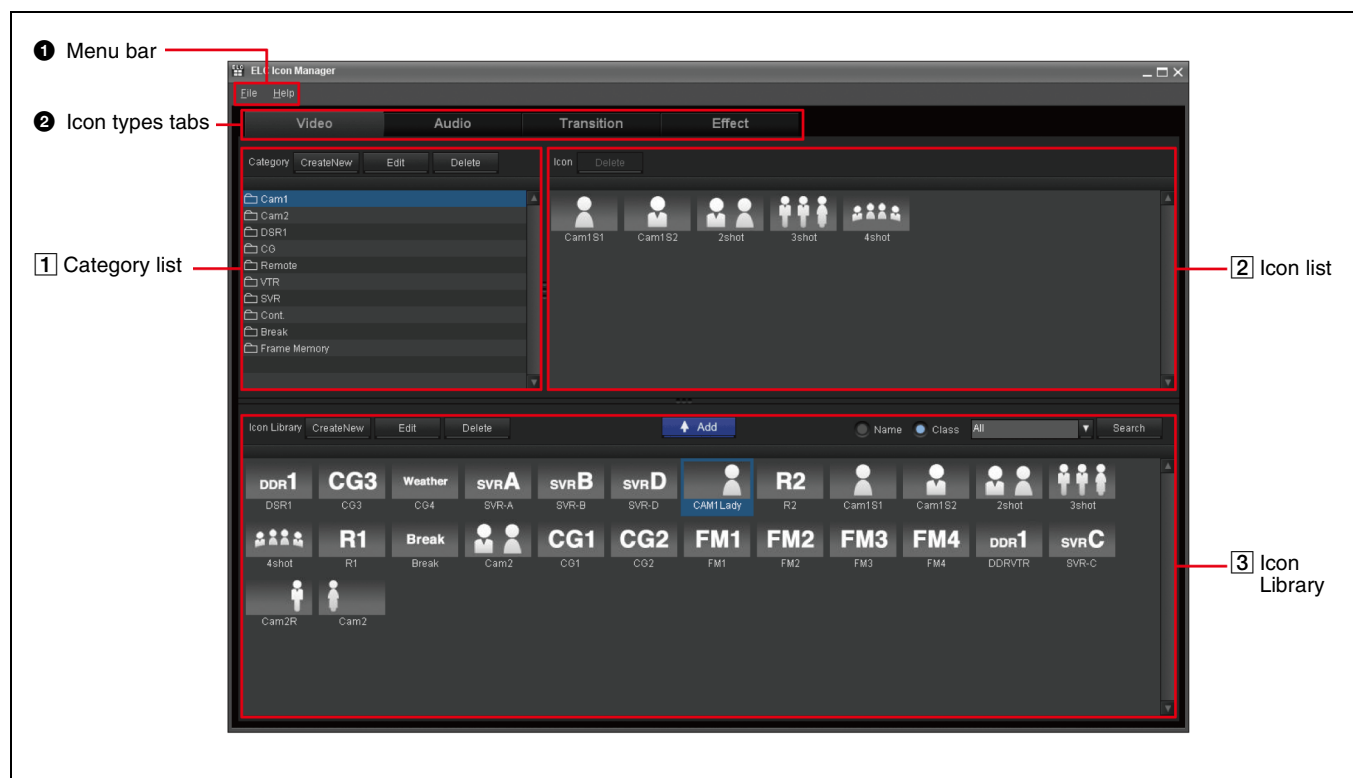
*For the settings on the Audio Server File List Creation window, see “Managing Audio Material - Creating the Audio Server File List” on page 62.*

# Icon Manager Window

The Icon Manager application is designed for ELC operator create an Icon, symbolizing frequently-used settings of a video switcher, audio mixer, or other device, so that you can use them to register a cue. There are four

types of Icons: Video, Audio, Transition, and Effect. The created Icons are then saved in the relevant category. To open the Icon Manager window, double-click the Icon Manager icon on the desktop.

## Icon Manager Main Window



### 1 Menu bar

The Menu bar provides menus for using the Icon Manager:

- **File menu:**

**Exit:** Exits the Icon Manager menu.

- **Help menu:**

**Version:** Displays the Icon Manager version number.

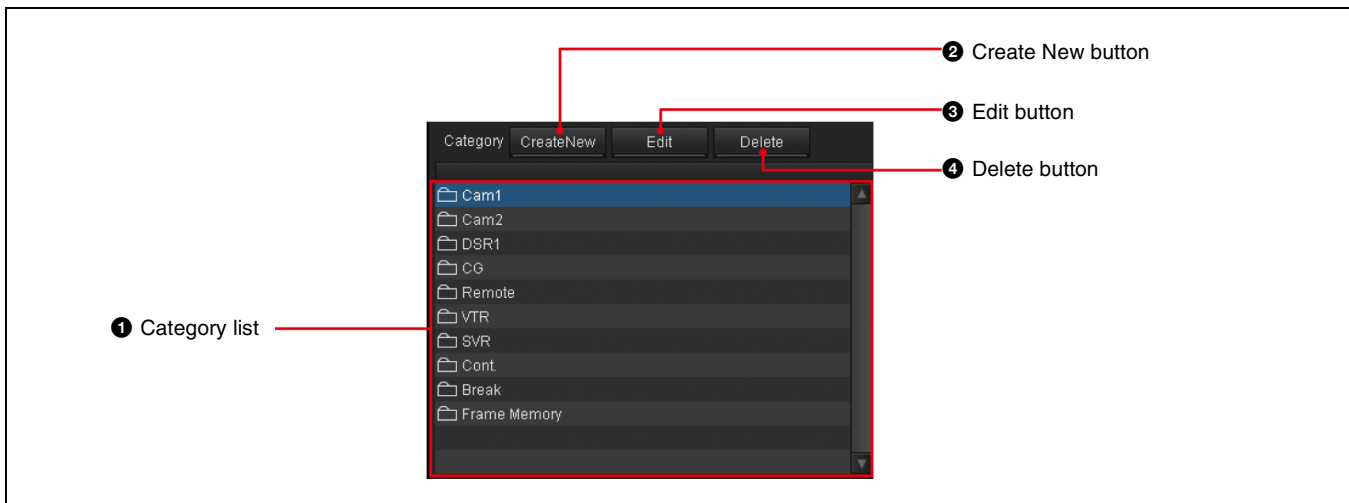
**Help:** Displays this User's Guide.

### 2 Icon types tabs

Click the desired tab which stands for an Icon type you can register in the ELC-MVS01: Video, Audio, Transition, and Effect.

*For the overview of Icons handled on the Icon Manager Main window, see "Starting the Icon Manager Application" on page 68.*

## 1 Category list



### 1 Category list

The system and user-defined categories are listed. Click the desired category so that the relevant Icons are displayed in the Icon list.

### 2 Create New button

Click this button to display the Category window to create a new category.

### 3 Edit button

Click this button to display the Category window to edit the selected category in the category list.

### 4 Delete button

Click this button to delete the selected category in the category list.

*For details, see “Category Window” on page 32.*

*For the operations using the Category list, see “Managing Categories” on page 81.*

## 2 Icon list



### 1 Icon list

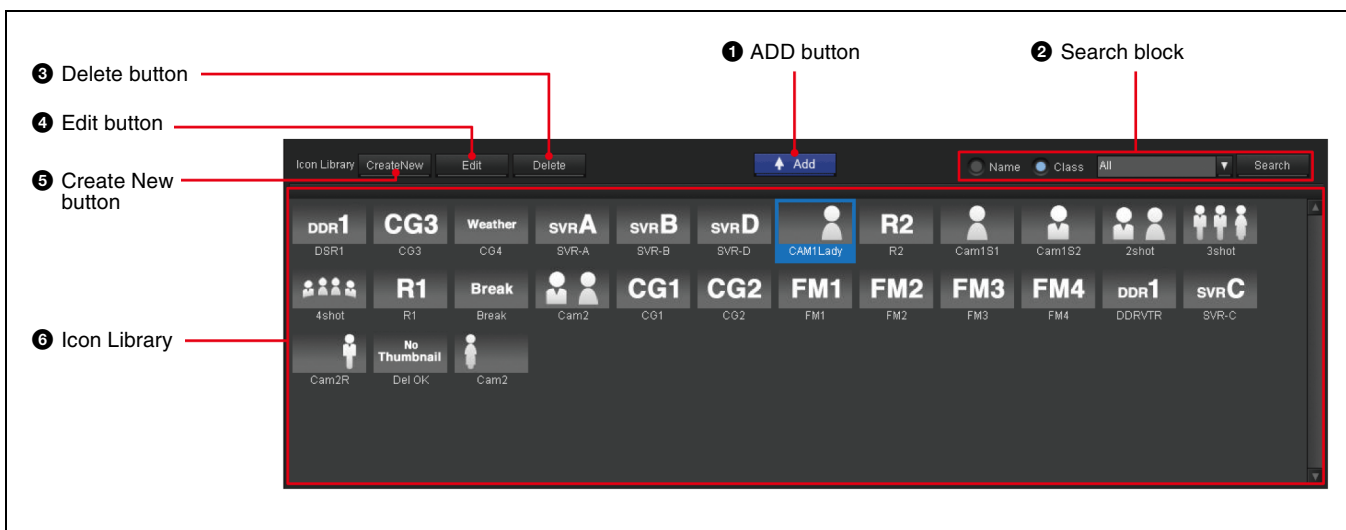
Stores icons you register according to a category from the Icon Library. Among the registered Icons, only the Icons in the selected category in the Category list are displayed.

### 2 Delete button

Click this button to delete the selected Icon in the Icon list from the category.

*For the operations on the Icon list, see “Registering an Icon in a Category” on page 87.*

### 3 Icon Library



#### 1 ADD button

Click this button to add the selected Icon in the Icon Library to the Icon list of the selected category.

#### 2 Search block

Check the desired check box of either Name or Class, that you want to use for searching for Icons. Then click [Search] to search for Icons of the selected search option. The Icons found are displayed in the Icon Library.

#### 3 Delete button

Click this button to delete the selected Icon in the Icon Library.

#### 4 Edit button

Click this button to display the Audio, Video, Transition, or Effect Icon window to edit the selected Icon in the Icon Library.

#### 5 Create New button

Click this button to display the Audio, Video, Transition, or Effect Icon window to create an Icon.

#### 6 Icon Library

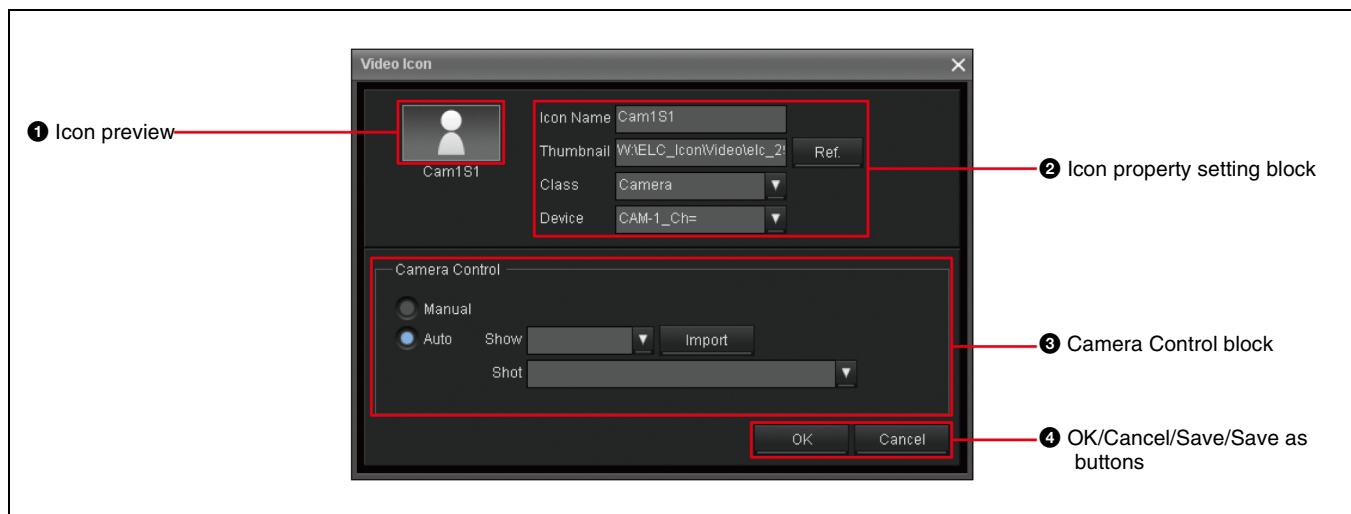
Stores the icons that you create or locate. All the icons belonging to the selected Icon type tab are displayed.

*For details, see “Video Icon Window” on page 27, “Audio Icon Window” on page 28, “Transition Icon Window” on page 29, or “Effect Icon Window” on page 30.*

*For the operations on the Icon list, see “Registering an Icon in a Category” on page 87.*

## Video Icon Window

The Video Icon window allows you to create or edit a Video Icon. To display the window, click [Create New] on the Icon Library of the Video tab.



### ① Icon preview

Thumbnail and name of the created Video Icon is displayed.

### ② Icon property setting block

Specify the following for a Video Icon:

- **Icon Name:** Input the desired Icon name in up to 8 alphanumeric characters.
- **Thumbnail:** Click [Ref.] to display an image list and select the desired image for the thumbnail.
- **Class:** Select the desired class for a new Icon to narrow down the devices to be displayed, since devices are classified into classes.
- **Device:** Select the device according to the class you select for a new Icon.

### ③ Camera Control block

When you select an Icon whose class is Camera, specify the following:

- **Manual/Auto:** Specify whether you control the camera manually or automatically. When you check [Auto] the following Show and Shot boxes become enabled.
- **Show:** According to the device you select, the corresponding Shows are displayed. From among these Shows, select the desired Show.
- **Shot:** According to the Show you select, the corresponding Shots are displayed. From among these Shots, select the desired Shot.
- **Import:** Click to recall the Show/Shot information.

### ④ OK/Cancel/Save/Save as buttons

When you create a new Icon, OK and Cancel buttons are displayed. When you edit an existing Icon, Save, Save as, and Cancel buttons are displayed.

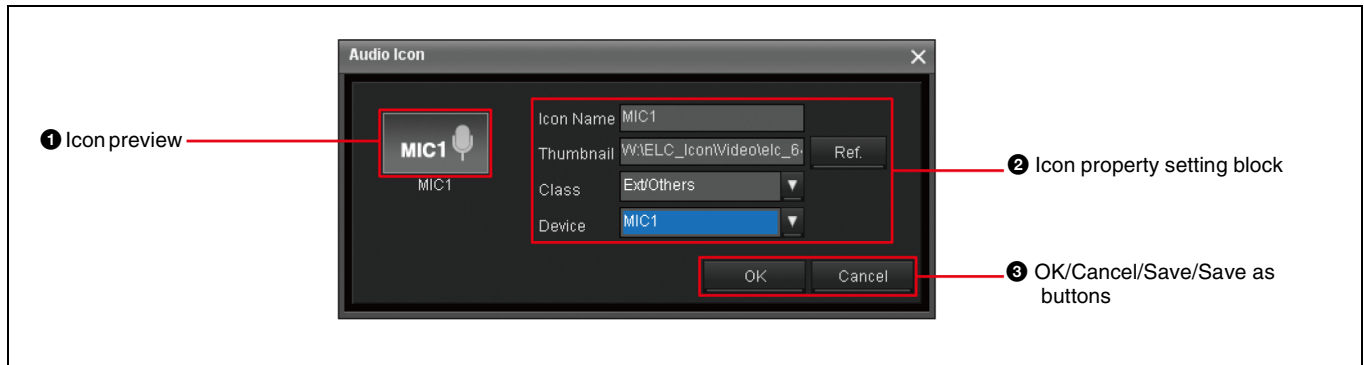
- **OK:** Adds the created Icon to the Icon Library.
- **Cancel:** Cancels the settings and returns to the Icon Manager main window.
- **Save:** Saves the settings, overwriting the existing Icon.
- **Save as:** Saves the settings as a new Icon.

*For the operations on the Video Icon window, see “Video Icons” on page 70.*



## Audio Icon Window

The Audio Icon window allows you to create or edit an Audio Icon. To display the window, click [Create New] on the Icon Library of the Audio tab.



### ① Icon preview

Thumbnail and name of the created Audio Icon is displayed.

### ② Icon property setting block

Specify the following for an Audio Icon:

- **Icon Name:** Input the desired Icon name in up to 8 alphanumeric characters.
- **Thumbnail:** Click [Ref.] to display an image list and select the desired image for the thumbnail.
- **Class:** Select the desired class for a new Icon to narrow down the devices to be displayed, since devices are classified into classes.
- **Device:** Select the device according to the class you select for a new Icon.

### ③ OK/Cancel/Save/Save as buttons

When you create a new Icon, OK and Cancel buttons are displayed. When you edit an existing Icon, Save, Save as, and Cancel buttons are displayed.

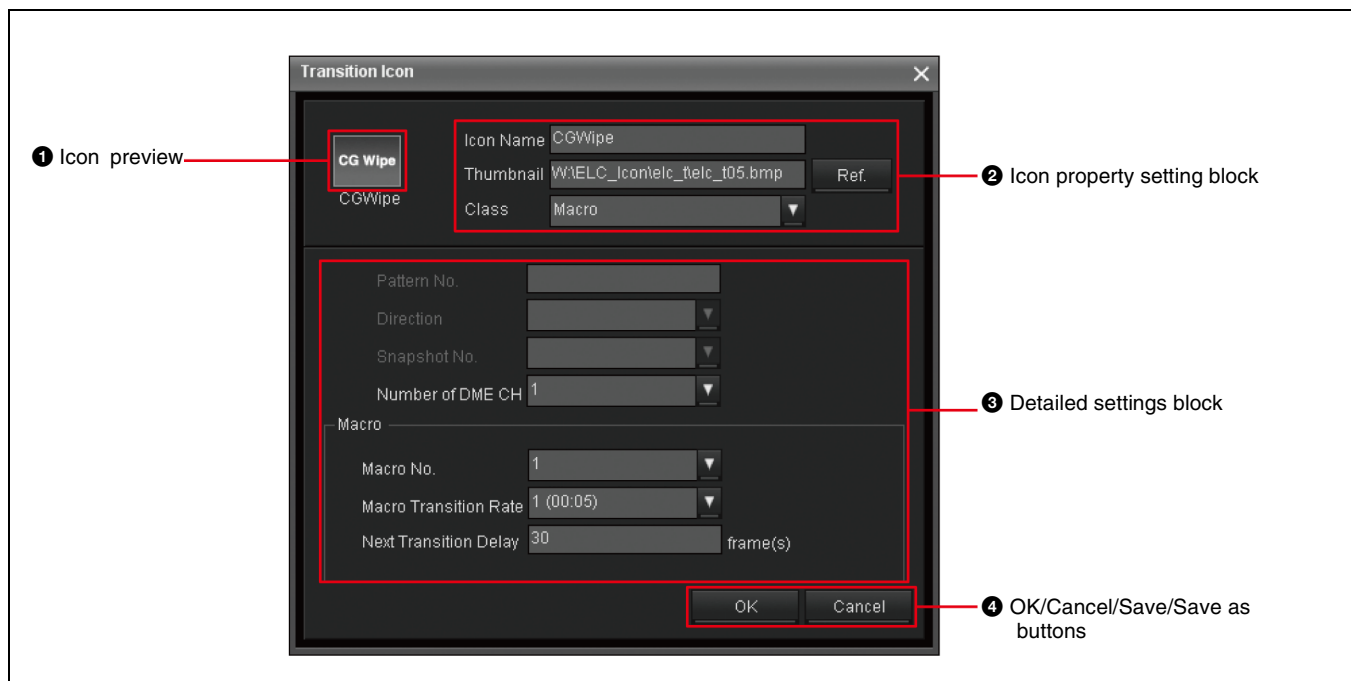
- **OK:** Adds the created Icon to the Icon Library.
- **Cancel:** Cancels the settings and returns to the Icon Manager main window.
- **Save:** Saves the settings, overwriting the existing Icon.
- **Save as:** Saves the settings as a new Icon.

*For the operations on the Audio Icon window, see “Audio Icons” on page 72.*



## Transition Icon Window

The Transition Icon window allows you to create or edit a Transition Icon. To display the window, click [Create New] on the Icon Library of the Transition tab.



### 1 Icon preview

Thumbnail and name of the created Transition Icon is displayed.

### 2 Icon property setting block

Specify the following for a Transition Icon:

- **Icon Name:** Input the desired Icon name in up to 8 alphanumeric characters.
- **Thumbnail:** Click [Ref.] to display an image list and select the desired image for the thumbnail.
- **Class:** Select the desired class for a new Icon to narrow down the devices to be displayed, since devices are classified into classes.

### 3 Detailed setting block

Depending on the Class you select, the necessary settings items are enabled. Set the following:

- **Pattern No.:** Input the desired Pattern number.
- **Direction:** Select either Normal or Reverse.
- **Snapshot No.:** Specify the snapshot number.
- **Number of DME CH:** Select DME channel number the Icon is to use.
- **Macro:** Select Macro No., Macro Transition Rate, and Next Transition Delay.

### 4 OK/Cancel/Save/Save as buttons

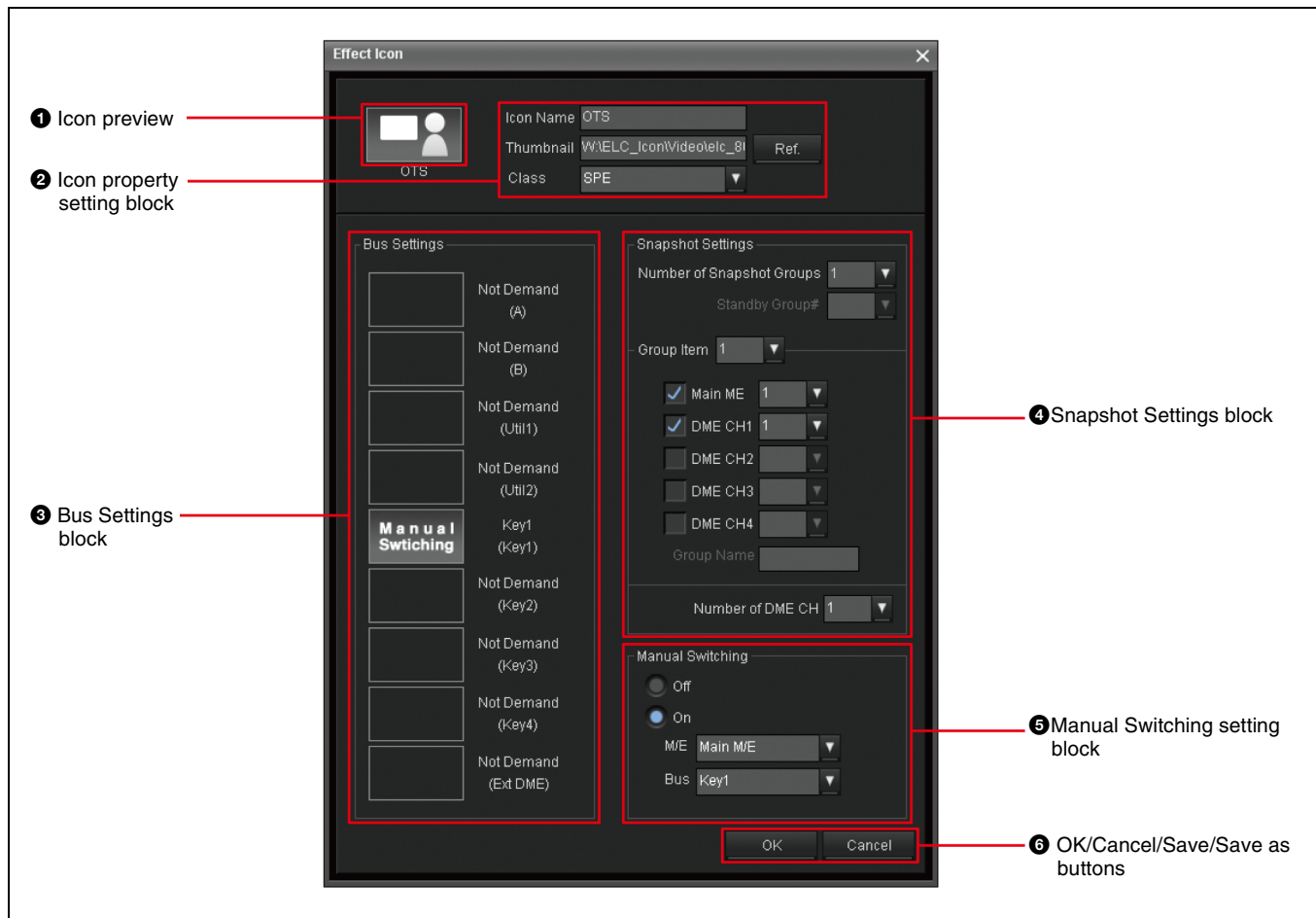
When you create a new Icon, OK and Cancel buttons are displayed. When you edit an existing Icon, Save, Save as, and Cancel buttons are displayed.

- **OK:** Adds the created Icon to the Icon Library.
- **Cancel:** Cancels the settings and returns to the Icon Manager main window.
- **Save:** Saves the settings, overwriting the existing Icon.
- **Save as:** Saves the settings as a new Icon.

*For the operations on the Transition Icon window, see “Transition Icons” on page 73.*

## Effect Icon Window

The Effect Icon window allows you to create or edit an Effect Icon. To display the window, click [Create New] on the Icon Library of the Effect tab.



### 1 Icon preview

Thumbnail and name of the created Effect Icon is displayed.

### 2 Icon property setting block

Specify the following for an Effect Icon:

- **Icon Name:** Input the desired Icon name in up to 8 alphanumeric characters.
- **Thumbnail:** Click [Ref.] to display an image list and select the desired image for the thumbnail.
- **Class:** Select the desired class for a new Icon to narrow down the devices to be displayed, since devices are classified into classes.

### 3 Bus Settings block

The buses that can be used for a switcher are displayed. Select the bus to be used.

### 4 Snapshot Settings block

Depending on the Class you select, the necessary settings items are enabled. Set the following:

- **Number of Snapshot Groups:** Select how many Snapshot Groups should be used (1 to 4).
- **Standby Group#:** Select the first snapshot which will be recalled when the corresponding cue is on the air.
- **Group Item:** Specify the corresponding region and register numbers for the snapshot to be recalled by pressing the associated buttons on the Shot Box Module. A group stands for a combination of snapshots registered as a group.
- **Number of DME CH:** Select the number of DME channels to be used in the Icon.

### ⑤ Manual Switching settings block

Setting the manual switching operation while on the air:

- **Off:** Manual switching becomes disabled.
- **On:** Manual switching becomes effective. Select the buses of which you want to make manual switching.

### ⑥ OK/Cancel/Save/Save as buttons

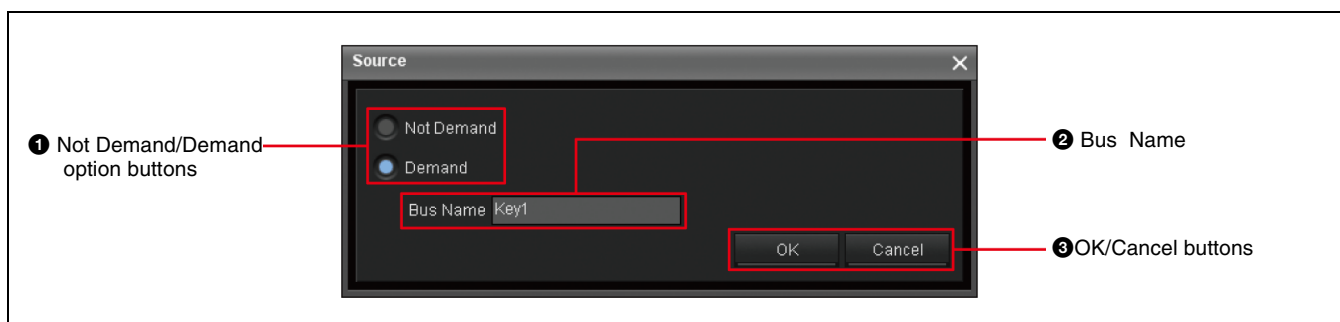
When you create a new Icon, OK and Cancel buttons are displayed. When you edit an existing Icon, Save, Save as, and Cancel buttons are displayed.

- **OK:** Adds the created Icon to the Icon Library.
- **Cancel:** Cancels the settings and returns to the Icon Manager main window.
- **Save:** Saves the settings, overwriting the existing Icon.
- **Save as:** Saves the settings as a new Icon.

*For the operations on the Effect Icon window, see “Effect Icons” on page 76.*

## Source Window

The Source window allows you to change source settings of the bus, create or edit an Effect Icon. To display the window, double-click the desired thumbnail in the Bus Settings block of the Effect Icon window.



### ① Not Demand /Demand option buttons

Select whether you set a Video Icon to the bus:

- **Not Demand:** Select this option so that you will not be prompted to select an image for the Bus in the Cue Edit window.
- **Demand:** Select this option so that you will be prompted to select an image for the Bus in the Cue Edit window.

### ② Bus Name

Input the desired bus name in up to 8 alphanumeric characters.

### ③ OK/Cancel buttons

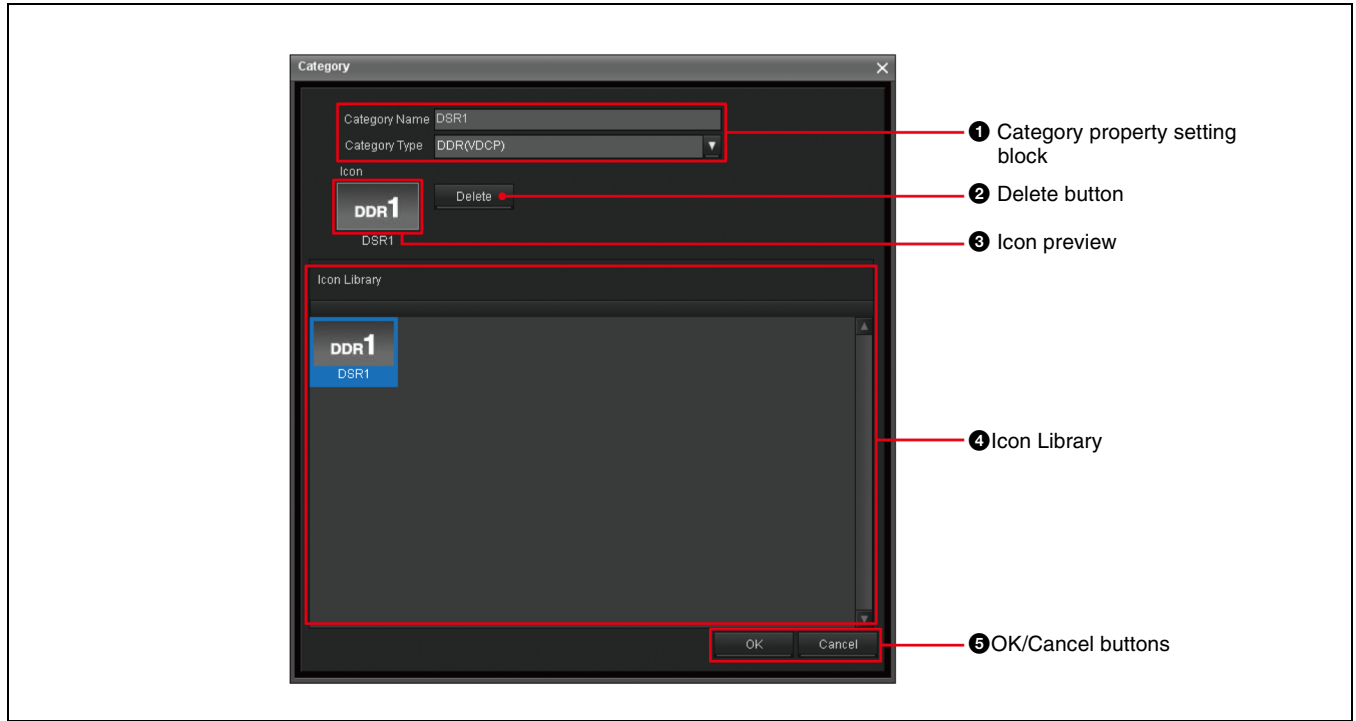
Saves or cancels the bus settings:

- **OK:** Executes the Bus settings and returns to the Effect Icon window.
- **Cancel:** Cancels the Bus settings and returns to the Effect Icon window.

*For the operations on the source window, see “Setting in the source window” on page 77.*

## Category Window

The Category window allows you to create a new category to accommodate icons. To display the window, click [Create New] or [Edit] on the Category List of the Icon Manager window.



### ❶ Category property setting block

Specify the following for an Icon:

- **Category Name:** Input the category name in up to 25 alphanumeric characters.
- **Category Type:** Select the desired type according to the Icons that you want to save in the category.

### ❷ Delete button

Click to delete the Icon selected in the Icon Library.

### ❸ Icon preview

Thumbnail and name of the Icon selected from the Icon Library are displayed.

### ❹ Icon Library

According to the selected category type, registered Icons are displayed.

### ❺ OK/Cancel buttons

When you create or edit a category, click the OK or Cancel button.

- **OK:** Adds the category to the end of the Category List in creating a new category, or executes the settings in editing a category. Then returns to the Icon Manager main window.
- **Cancel:** Cancels the operation and returns to the Icon Manager main window.

*For the operations on the Category window, see “Setting Categories” on page 82.*

# ELC Plug-in Window

The ELC Plug-in application is designed so ELC operators can drag a cue from the Quick Cue and paste it into an NRCS rundown as an ELC object, so that an ELC playlist is created easily. The application is also used to create and edit a cue.

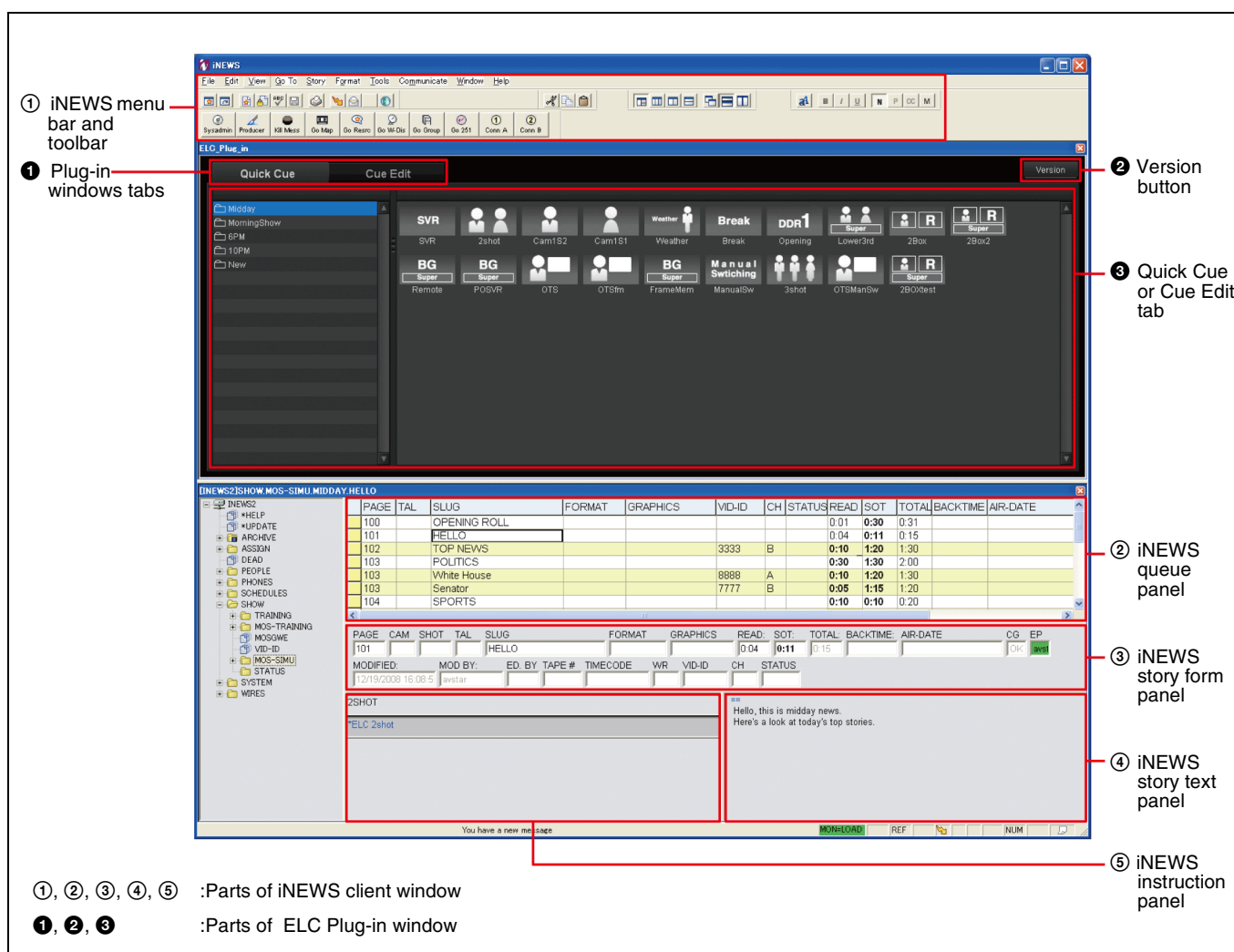
## When using iNEWS

To display the ELC Plug-in application, first start the iNEWS client workspace, and select [Menu] > [Plug-in] > [ELC Plug-in].

The ELC Plug-in window is displayed as part of the NRCS client window. The ELC Plug-in application is composed of the following two modules:

- Quick Cue
- Cue Edit

For the operations on the ELC Plug-in window, see “Preparing Cues (ELC Plug-in)” on page 91, “Creating a Playlist for iNEWS (ELC Plug-in/Playlist Viewer)” on page 119, and “Editing an ELC Production Cue added to an iNEWS rundown” on page 126.



## ① iNEWS menu bar and toolbar

The menu bar and toolbar provide iNEWS menus and tool buttons. For details, see the user's guide of the iNEWS.

## ② iNEWS queue panel

The panel displays the rundown selected in the directory panel, where the stories are listed in the order they are to rundown.

### ③ iNEWS story form panel

The panel shows the information about the iNEWS story, which contains fields for data that typically appear in the rundown: the playout server channel, VID-ID setting, the story title, the length of the story, and the status of the story.

To display the status of the playout server in the ELC playlist, it is required to fill in the VID-ID and CH columns.

### ④ iNEWS story text panel

The panel displays the text or script of the selected story in the Queue panel. You can drag and drop a cue from the Quick Cue window to add a new production cue.

### ⑤ iNEWS instruction panel

The panel displays the production cue of the selected iNEWS story.

### ① Plug-in windows tabs

Click the Quick Cue or the Cue Edit tab to display relevant tab.

### ② Version button

Click the icon to show the version number of the ELC Plug-in application.

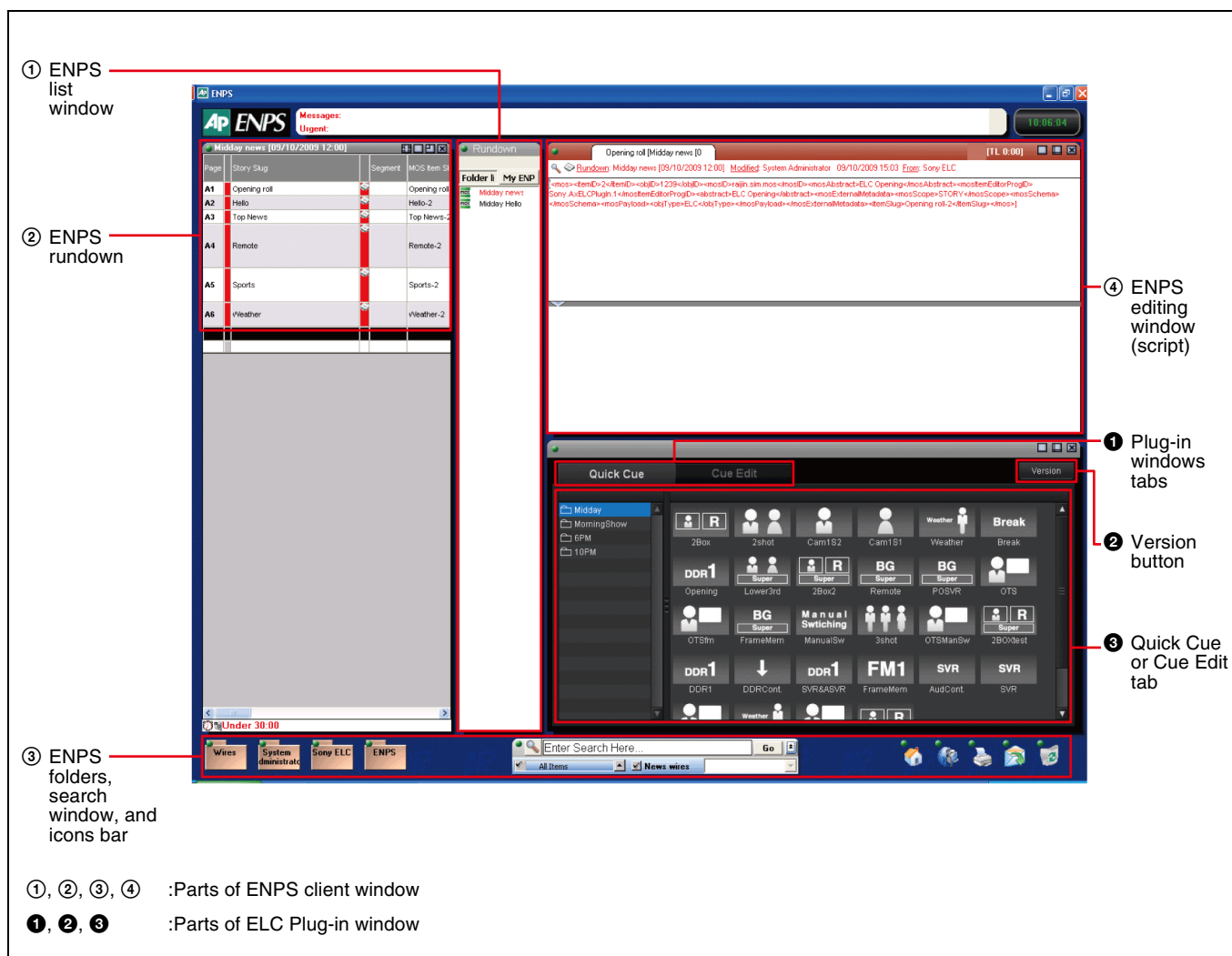
### ③ Quick Cue or Cue Edit tab

The window displays either the Quick Cue or the Cue Edit tab.

## When using ENPS

To display the ELC Plug-in application, first start the ENPS client workspace, and click the rover (green dot) of the Media Control icon on the bottom bar of the window, and select [ELC Plug-in] from the displayed menu.

*For the operations on the ELC Plug-in window, see “Preparing Cues (ELC Plug-in)” on page 91, “Creating a Playlist for ENPS (ELC Plug-in/Playlist Viewer)” on page 130, and “Editing an ELC Item added to an ENPS rundown” on page 134.*



### ① ENPS list window

The list window displays the folder list, from which you can select and open a rundown.

### ② ENPS rundown

The window displays the rundown selected and opened from the ENPS list window, where the stories are listed in the order they are to rundown.

### ③ ENPS folders, search window, and icons bar

The bar contains folders, a search window, and the icons including My ENPS, Printer, and Media Control from which you can launch the ELC Plug-in application.

### ④ ENPS editing window (script)

The window displays the script of the item selected on the rundown. You can drag and drop a cue from the Quick Cue window to add a new item.

### ① Plug-in windows tabs

Click the Quick Cue or the Cue Edit tab to display relevant tab.

### ② Version button

Click the icon to show the version number of the ELC Plug-in application.

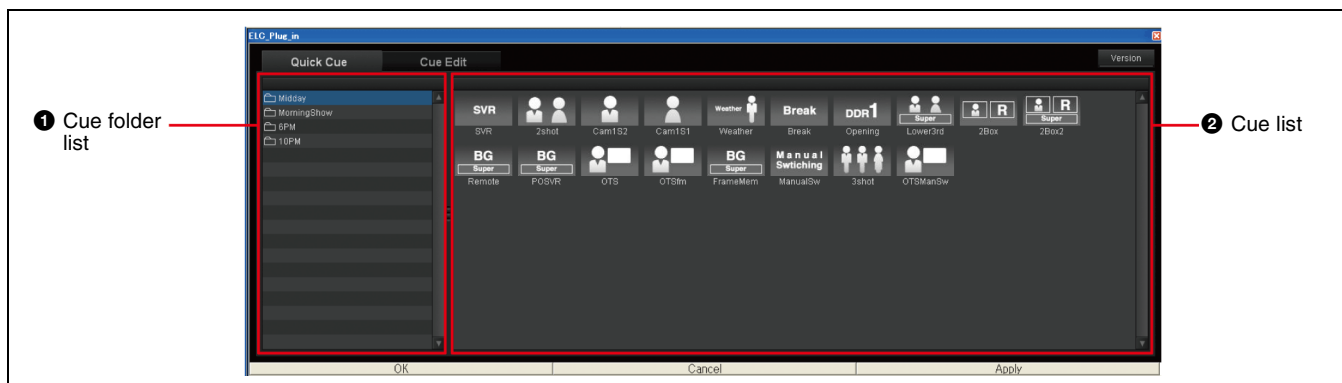
### ③ Quick Cue or Cue Edit tab

The window displays either the Quick Cue or the Cue Edit tab.

## Quick Cue Tab

The Quick Cue tab is used to set a production cue/an item to the NRCS client window.

*For the operations on the Quick Cue tab, see “Creating a Cue” on page 93 and “Editing a Cue Registered in Quick Cue” on page 103.*



### ① Cue folder list

The folders containing cues are listed. Click the desired cue folder so that the cues in it are displayed in the cue list.

### ② Cue list

Thumbnails of the cues contained in the cue folder selected in the cue folder list are displayed.

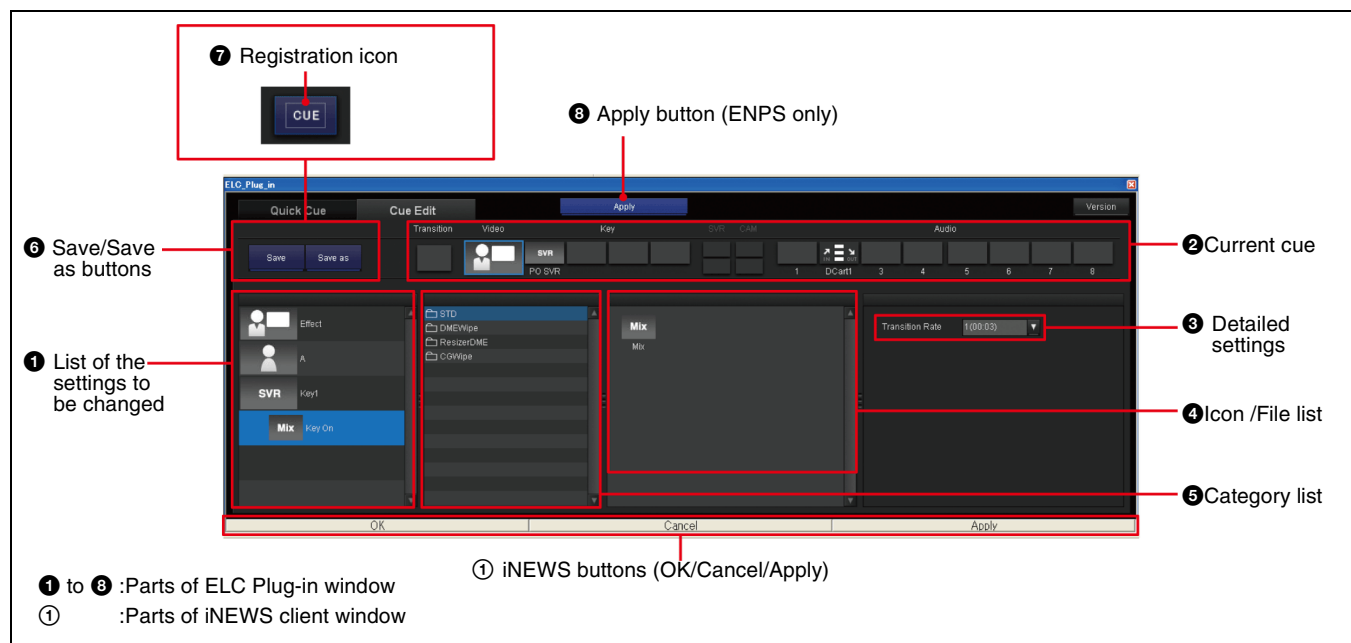


## Cue Edit Tab

The Cue Edit tab is used to edit a cue created in the Quick Cue tab.

For the operations on the Cue Edit tab, see “Managing Cues” on page 93, “To set a new production cue after

checking the content of a cue” on page 122 (for iNEWS), and “To set a new item after checking the content of a cue” on page 133 (for ENPS).



### 1 List of the settings to be changed

The panel lists the settings you can change for the item currently selected on the Current Cue panel.

### 2 Current cue

Displays the settings of the cue currently selected or being edited. The content differs depending on the cue settings. For details on cues, see “1 Cue” on page 38.

#### Note

The window does not show the playout server and camera status.

### 3 Detailed settings

The panel displays the detailed settings of the items selected in the list of the settings to be changed.

### 4 Icon/File list

The list displays thumbnails of the Icons contained in the selected category in the Category list.

### 5 Category list

The list displays the categories created in the Icon Manager application.

### 6 Save/Save as buttons

When you edit an existing cue by right-clicking it and selecting Edit menu, the following buttons are displayed.

- **Save:** Saves the setting, overwriting the existing one.

- **Save as:** Saves the settings as a new cue by opening a dialog box to name the cue.

### 7 Registration icon

When you double-click an existing cue in the Quick Cue window, the registration icon is displayed. This icon is used to register the cue loaded in the current cue onto the NRCS rundown.

### 8 Apply button (ENPS only)

This button appears depending on the contents of the editions. It is used when double-clicking and editing an Item pasted on the ENPS editing window (script).

### 1 iNEWS buttons

The buttons appear depending on the contents of editions. The buttons are used when double-clicking and editing a Production cue pasted on the iNEWS story panel:

- **OK:** Reflects the changes in settings and the ELC Plug-in window is closed.
- **Apply:** Reflects the changes in settings.
- **Cancel:** Cancels the settings and the ELC Plug-in window is closed.



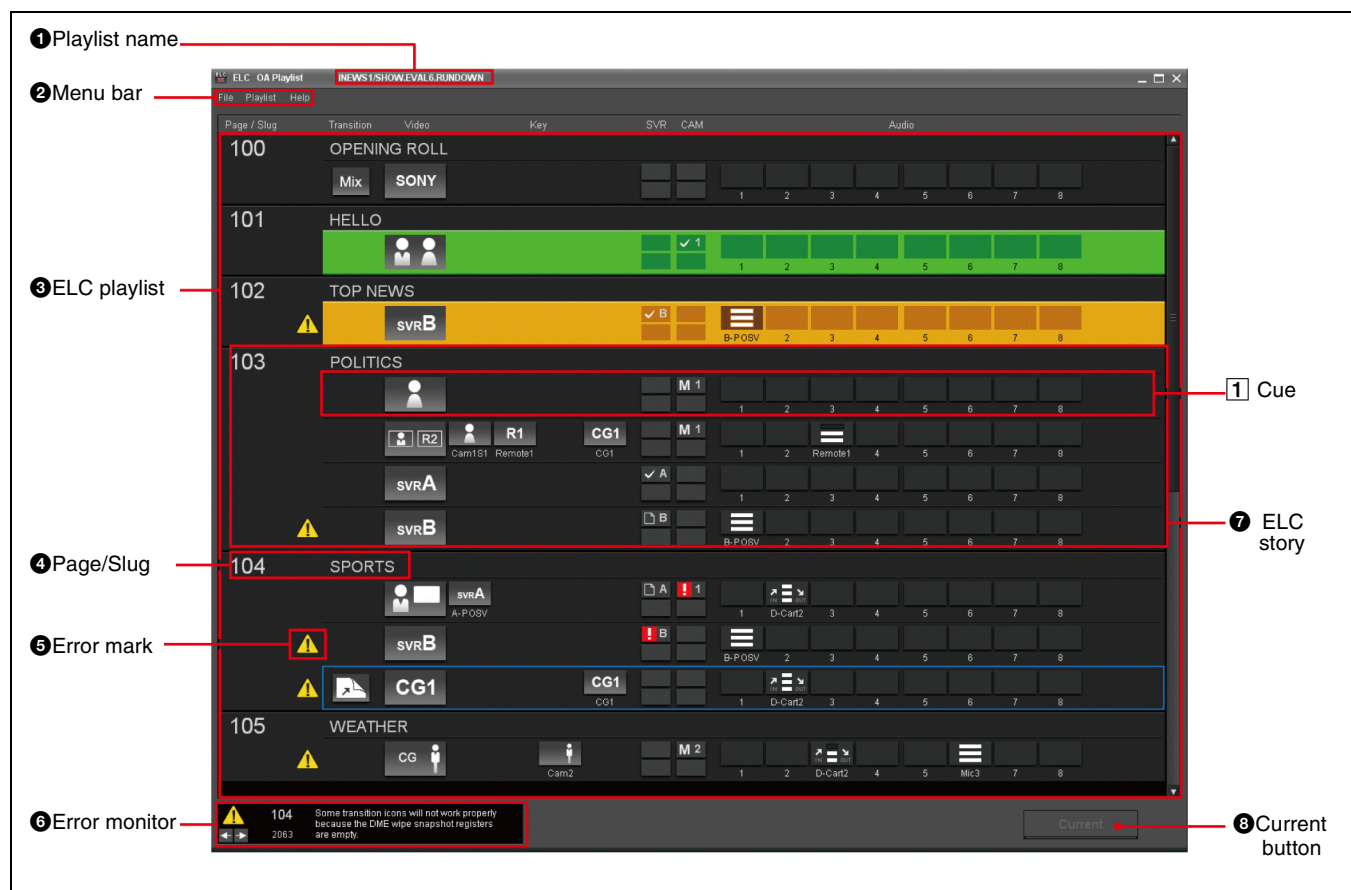
# OA Playlist and Playlist Viewer Windows

The OA Playlist window is designed for ELC operators to play out the playlist created in ELC Plug-in application. The Playlist Viewer window is designed to check the playlist. The two windows look the same, except for the menu bar items. Differences in functions will be explained in the explanations in this section.

To start the OA Playlist application or Playlist Viewer application, double-click the relevant icon on the desktop.

For the operations on the OA Playlist and Playlist Viewer windows, see the following:

- For iNEWS: See “Creating a Playlist” on page 121, “Displaying a Playlist in the Playlist Viewer Application” on page 128, and “On-Air Operations” on page 138.
- For ENPS: See “Creating a Playlist” on page 132, “Displaying a Playlist in the Playlist Viewer Application” on page 136, and “On-Air Operations” on page 138.



## 1 Playlist name

The playlist name (up to 25 alphanumeric characters) provided by the NRCS client software is displayed, which is the same as the queue name of the NRCS rundown.

## 2 Menu bar

The bar provides the menus for using the OA Playlist and Playlist Viewer:

### • File menu:

**Open:** Opens a playlist on the OA Playlist or Playlist Viewer window.

**Close:** Closes the playlist on the OA Playlist or Playlist

## Viewer window

**Exit:** Exits the OA Playlist or Playlist Viewer window.

### • Playlist menu (OA Playlist window only):

**Start:** Starts the on-air operation.

**End:** Ends the on-air operation.

### • Help menu:

**Version:** Displays the version number.

**Help:** Displays this User's Guide.


## 3 ELC playlist

The stories are listed in the order that they are played out.

#### ④ Page/Slug

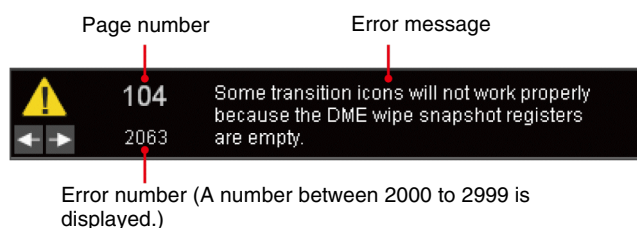
Displays the page and slug, set by the NRCS, of the story to which an ELC production cue/item is registered.

#### ⑤ Error mark

The error mark  appears when the corresponding cue has a problem or problems. Without lessening or solving the problem(s), it will be difficult to execute the cue. The error details are displayed in the error monitor area.



#### ⑥ Error monitor

Displays the error details of a cue beside which an error mark is displayed:



#### ① Cue

A unit to be on the air with a TAKE operation. The content differs depending on the cue settings. The following is an example:

The selected cue is displayed with a blue selection frame. To display all the errors one by one, click  or . To select a cue directly, click the desired cue on the playlist. If the subject cue of the error monitor is not displayed on the playlist, double-click on the error monitor, and the playlist will be scrolled to show the subject cue.

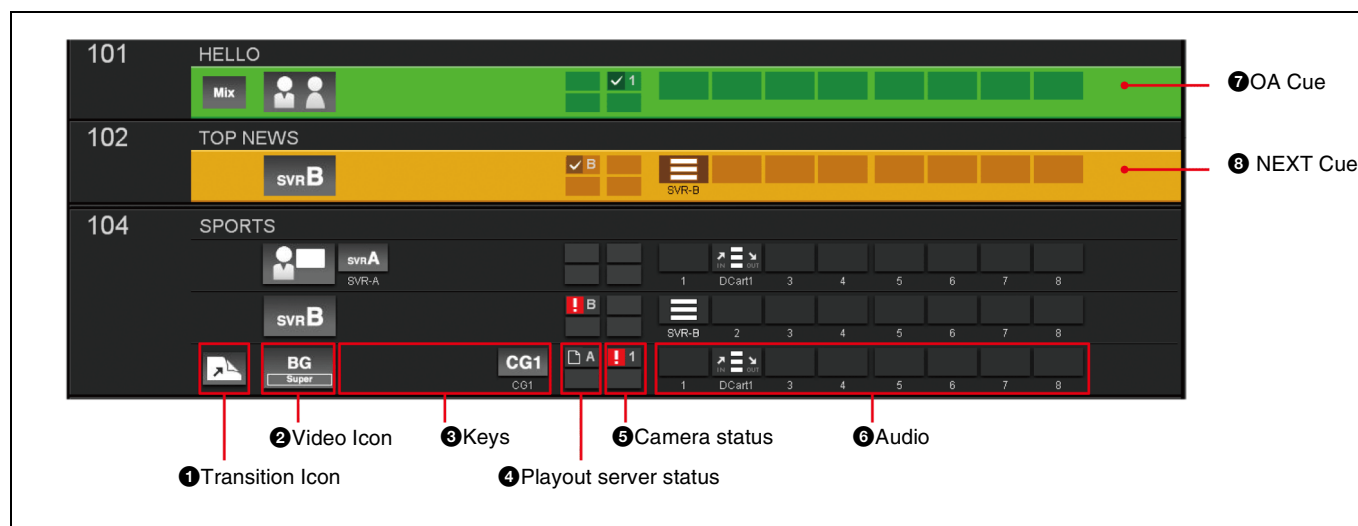
#### ⑦ ELC Story

An ELC Story definition differs between iNEWS and ENPS:

- In iNEWS: A group of cues of the same NRCS Page number is defined as an ELC story.
- In ENPS: A group of cues of the same NRCS Slug is defined as an ELC story.

#### ⑧ Current button

While scrolling a playlist manually, press this button to enter into the auto scrolling mode and to display the cue being on the air on the second line from the top immediately.



#### ① Transition Icon

The thumbnail of the Transition Icon is displayed.

#### ② Video Icon

The thumbnail of the Video Icon is displayed:

- **When an Effect Icon is set:** The Effect Icon thumbnail is displayed.
- **When no Effect Icon is set:** The thumbnail of Video Icon set to A Bus is displayed.

#### ③ Keys

Displays thumbnails and names of Video Icons assigned to keys 1 to 4. When the playout server is set, the name of the system icon automatically set is displayed before the channels are set. After the channel is set, the name of the icon the user specifies for each channel is displayed.

#### ④ Playout server status

The status of multiple channels of the playout server is obtained from the NRCS and displayed\*:



\* Only two channels with the highest and the second highest priorities, which correspond to the first and the second channels listed from the top of the list of the settings to be changed, are displayed.

Status	Icon	Description
No Response		The playout server does not respond.
Not Filed		No files are saved in the playout server.
Filed OA NEXT Other	  	Files to be used are saved.
Cued OA NEXT Other	  	Files are cued up (stand-by).
Play		Files are being played.

## 5 Camera status

The status of robotic cameras 1 to 8 is displayed\*:



\* Only two devices with the highest and the second highest priorities, which correspond to the first and the second devices listed from the top of the list of the settings to be changed, are displayed.

Status	Icon	Description
No Response		The camera does not respond.
Not Ready		Although the camera responds, no shot is recalled.
Ready OA NEXT Other	  	The camera is on standby. If there is a shot, shot is recalled.
Manual OA NEXT Other	  	The status of a manually-set camera is always displayed.

## 6 Audio

The panel displays the settings of audio fader numbers 1 to 8: names of the Audio Icons, level, Fade In/Out settings. When the playout server is set, the name of the system icon automatically set is displayed before the channels are set. After the channel is set, the name of the icon the user specifies for each channel is displayed.

## 7 OA Cue

The cue being on the air is displayed in green. In the auto scroll mode, it is always placed on the second line from the top.

## 8 NEXT Cue

The cue to be on the air next is displayed in yellow. When the next cue is not ready, it flashes in yellow. Then it lights in yellow when it is ready.

# Preparations

---

The section explains preparations and setup that technical directors or a system integrator should do before making news programs: making the initial setup with the Initial Setup application, creating Icons with the Icon Manager, and making cues in the ELC Plug-in application. If necessary, ELC operators can refer to and change required settings.

Chapter 6 explains required preparations that directors should do when they use advanced functions of the software: switching multiple snapshots and videos manually.

<b>Chapter 3 Making the Initial Setup .....</b>	<b>41</b>
<b>Chapter 4 Preparing Icons (Icon Manager) .....</b>	<b>65</b>
<b>Chapter 5 Preparing Cues (ELC Plug-in).....</b>	<b>91</b>
<b>Chapter 6 Preparing for Advanced Manual Operations .....</b>	<b>108</b>

## Overview

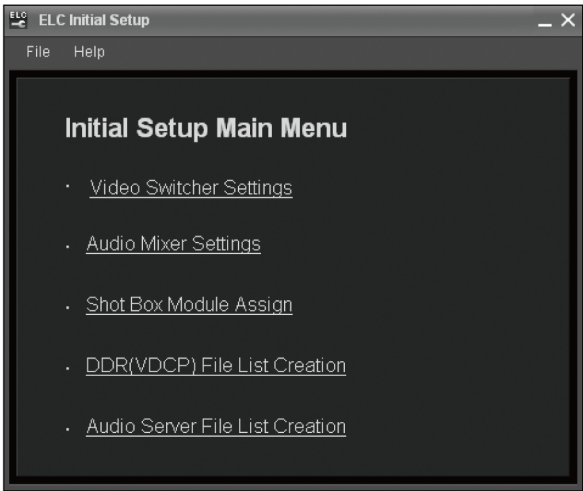
Before starting routine operations of the ELC-MVS01 software, when a new news program is planned, or when there is a change on a device in the studio, a technical director can set up the following items of the system using the Initial Setup application:

- **Video Switcher Settings** (*see page 44*)  
It allows you to associate each video input signal of the video switcher with a Video Icon registered in the ELC-MVS01 software.  
It also specifies transition rate options for the Transition Icons.
- **Audio Mixer Settings** (*see page 47*)  
It allows you to associate each audio input signal of the audio mixer with an Audio Icon registered in the ELC-MVS01 software or a back fader of the audio fader panel.  
It also specifies audio level options and fade-in/fade-out time options.
- **Shot Box Module Assign** (*see page 54*)  
It allows you to assign the functions to be used for manual on-air operations to the buttons on the shot box module.
- **DDR(VDCP) File List Creation** (*see page 59*)  
It allows you to select the video files used in the news programs from all the files stored on the DDR(VDCP), so that they will be listed upon creating cues and easily added to a playlist.
- **Audio Server File List Creation** (*see page 62*)  
It allows you to select the audio files used in the news programs from all the files stored on audio server, so that they will be listed upon creating cues and easily added to a playlist.

# Starting the Initial Setup Application

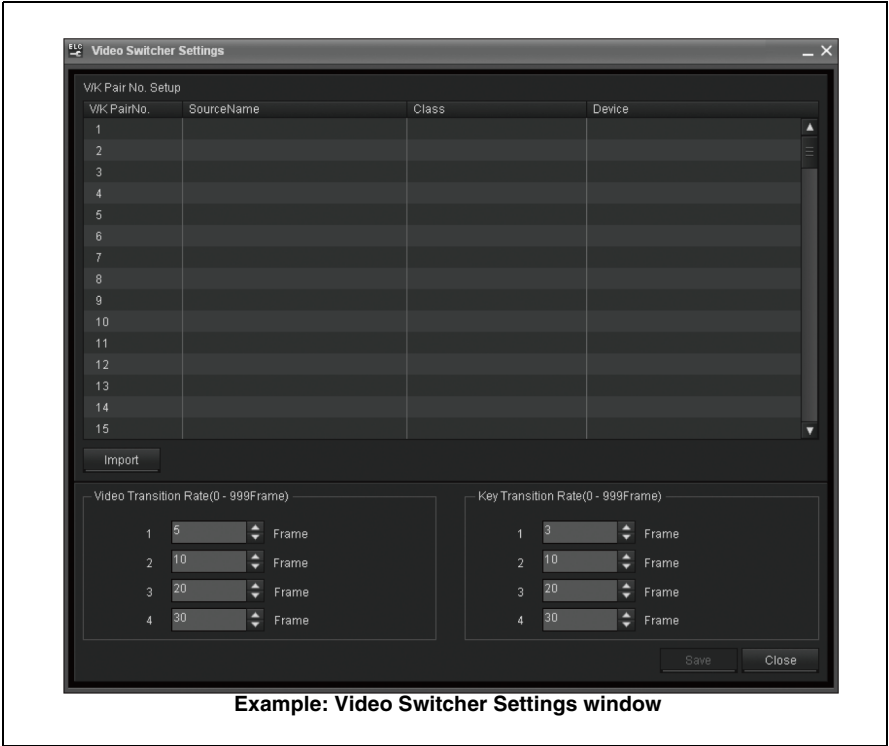
- 1 Double-click the InitSetup icon (Initial Setup) on the Windows desktop. Or, double-click the InitSetup.exe file in the “Sony\ELC\InitialSetup” folder on the drive where the ELC-MVS01 software is installed.

The Initial Setup application starts and the Initial Setup Main Menu is displayed.



- 2 Select a sub menu on the Initial Setup Main Menu, depending on the desired setup items.

The window corresponding to the selected sub menu is displayed.



**Note**

Only one Initial Setup application can be operated in a system at a time. If the Initial Setup application is already operating on the same computer, or on a different computer in the system, you cannot start the application.

**Exiting the Initial Setup Application**

- 1 Select [File] > [Exit] from the menu bar of the Initial Setup Main Menu.  
The Initial Setup application is closed.

# Making the Video Switcher Settings

The Video Switcher Settings window is used to associate each video input signal of the video switcher with a Video Icon used in the ELC-MVS01 software.

The Icon Manager application is used to associate each video device with a Video Icon. The Video Switcher Settings window of the Initial Setup application is used to register associations between the video devices and the video input signals, which correspond to V/K pair numbers, of the video switcher.

*For details on the Icon Manager, see “Creating Icons” on page 69.*

The Video Switcher Settings window also enables you to specify the transition rate options to be used when editing cues.

## Associating the V/K Pair Numbers with Video Icons

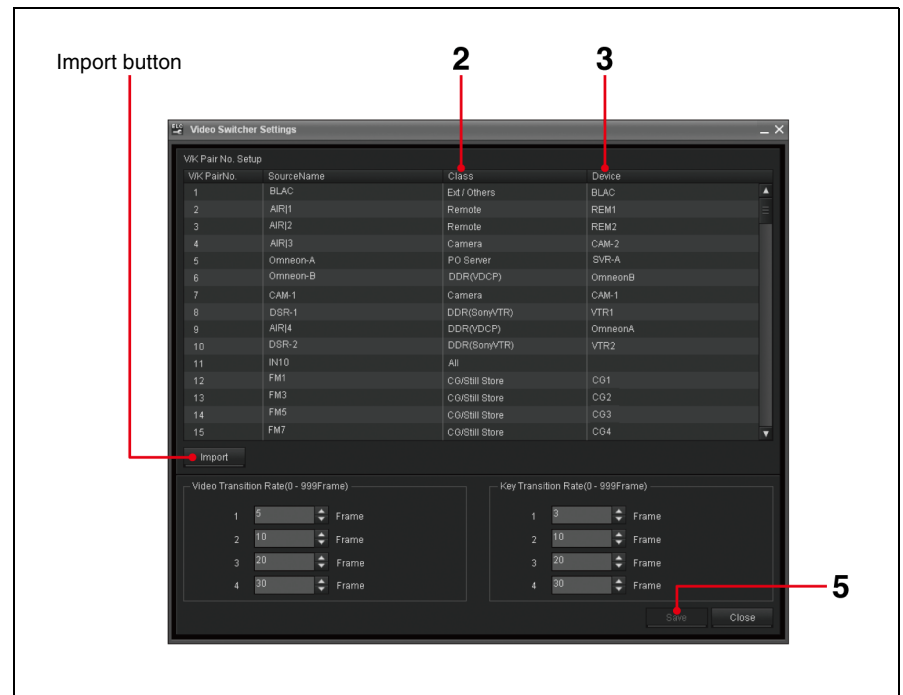
- 1 On the Initial Setup Main Menu, click the Video Switcher Settings sub menu.

The Video Switcher Settings window is displayed.

### Note

The Initial Setup application enables you to import and view the source names for the V/K pair numbers specified on the video switcher, so that you can check the device you want to associate with a certain V/K pair number.

*For details, see “To import source names from the video switcher” on page 45.*





- 2** Narrow down the device list, if necessary, by selecting the desired class using the Class drop-down list box.

You can select from the following options.

Class	Descriptions
All	All devices will be displayed in the Device List drop-down list box.
Camera	Select this option to specify a camera icon.
CG/Still Store	Select this option to specify a CG or Still Store icon. <b>Tip</b> The CG/Still Store is a server having a playlist function. The CG/Still Store controller type with a playlist function and a storage type can be a different device. The ELC-MVS01 does not control the CG/Still Store and does not perform file operations. With the tally off signal from the switcher, next piece of material on the playlist will be loaded for standby.
DDR(VDCP)	Select this option to specify a DDR(VDCP) icon. <b>Tip</b> A disk recorder without a playlist function is supported. It handles frequently-used daily materials. You can specify files from the ELC-MVS01.
DDR(SonyVTR)	Select this option to specify a DDR(SonyVTR) icon. Use this option for a digital disk recorder that can be controlled by the Sony VTR protocol.
Ext/Others	Select this option to specify, a Color Background, or Re-Entry icon within the switcher.
Frame Memory	Select this option to specify a Frame Memory icon within the switcher.
PO Server	Select this option to specify a playout server icon. <b>Tip</b> A playout server is a server having a playlist function. It handles daily-changing materials. The playout server controller type with a playlist function and a storage type can be a different device. The ELC-MVS01 controls the playback function only and does not select files. When a file is played to the end, the next piece of material on the playlist will be loaded automatically for standby.
Remote	Select this option to specify a remote icon.

- 3** Select the device to be associated with the selected V/K pair number, using the Device drop-down list box.

Now the V/K pair number and the Video Icon that represents the selected device are associated.

- 4** Repeat steps **2** and **3** for all the V/K pair numbers to be used in the system.
- 5** Click [Save] to save the modified settings.

## To import source names from the video switcher

Click [Import] in the Video Switcher Settings window.

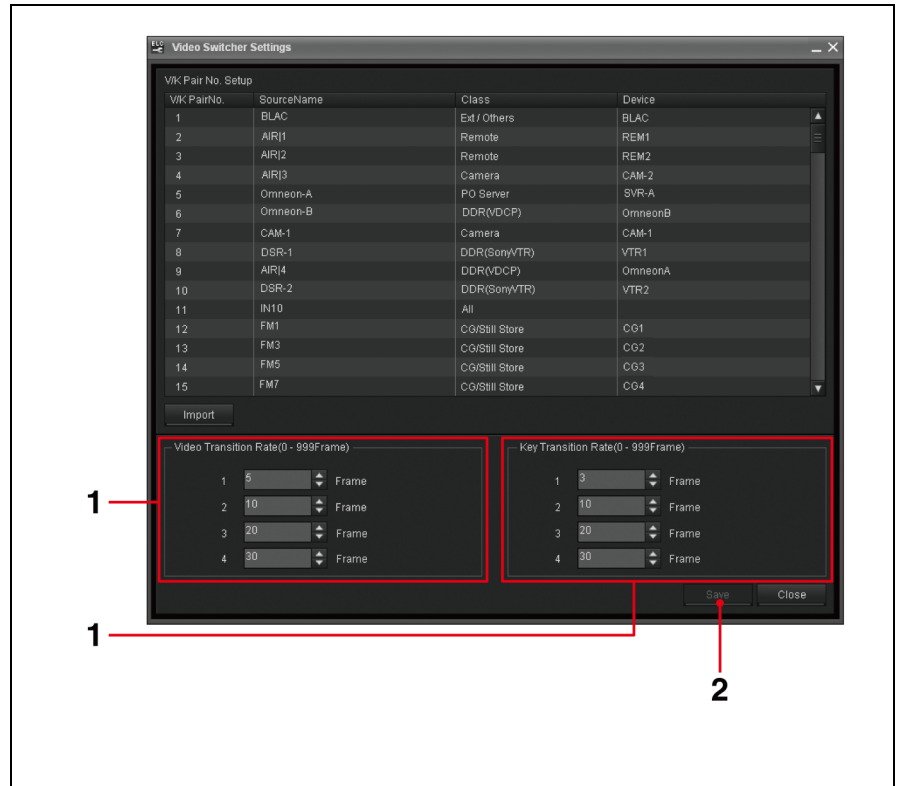
A warning message is displayed.

Click [OK] to import the source names from the video switcher.

The names are displayed in the Source Name column.

## Specifying the Transition Rate Options

The following procedure specifies the two sets of transition rate options: video transition rate options and key transition rate options. They will appear in the Cue Edit window of the ELC Plug-in application as the options for switching two cues and for a key event, respectively.



- 1 In the Video Switcher Settings window, specify the number of frames for each of the four transition rate options using the spin boxes in the Video Transition Rate section.

You can enter the desired number of frames (0 to 999) into each spin box, or increase/decrease the setting by clicking the spin buttons.

### Note

The transition rate for an option will be displayed in the “SS:FF” format in the Cue Edit window of the ELC plug-in application.

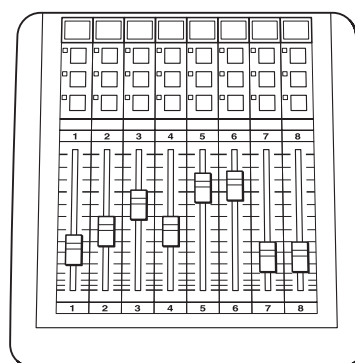
In the same way, specify the number of frames for each of the four transition rate options that are used for a key event, using the spin boxes in the Key Transition Rate section.

- 2 Click [Save] to save the modified settings.

# Making the Audio Mixer Settings

The Initial Setup application shows the Audio Mixer Settings window, in which a technical director makes the following settings related to the audio mixer.

- **Associating a fader number of the audio mixer with an Audio icon**  
This makes the fader of the audio mixer accept automatic control from the ELC-MVS01 system. An Audio Icon registered in the system is associated with a fader number of the audio mixer.
- **Associating a fader number of the audio mixer with a back fader of the audio fader panel for manual operation**  
This makes the fader of the audio mixer accept manual control from the ELC-MVS01 system. One of the eight back faders of the audio fader panel is associated with a fader number of the audio mixer.
- **Disabling control of a fader of the audio mixer from the ELC-MVS01 system**  
This disables control of a fader of the audio mixer from the ELC-MVS01 system.



Audio Fader Panel

The Audio Mixer Settings window is also used to specify the audio level options, and fade in/out time options for the fader numbers that accept automatic control from the ELC-MVS01 system.

## Associating Fader Numbers with Audio Icons

- 1 On the Initial Setup Main Menu, click the Audio Mixer Settings sub menu.

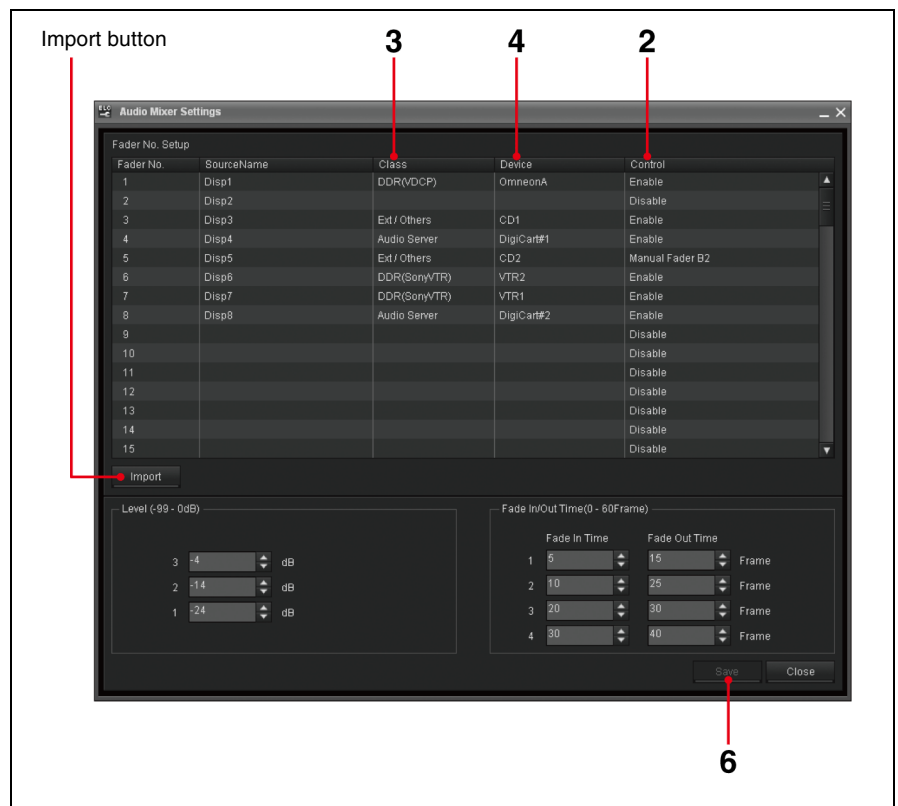
The Audio Mixer Settings window is displayed.

For details, see “Audio Mixer Settings Window” on page 20.

### Note

The Initial Setup application enables you to import and view the source names for the fader numbers specified on the audio mixer, so that you can check the device you want to associate with a certain fader number.

For details, see “To import source names from the audio mixer” on page 50.



- 2 Select [Enable] in the Control drop-down list box for a fader number.
- 3 Associate the desired Audio Icon with the fader number.  
Narrow down the device list, by selecting the desired class using the Class drop-down list box.

You can select from the following options.

Class	Descriptions
All	All devices will be displayed in the Device List drop-down list box.
Audio Server	Select this option to specify an audio server icon.
CG/Still Store	Select this option to specify a CG or Still Store icon. <b>Tip</b> The CG/Still Store is a server having a playlist function. The CG/Still Store controller type with a playlist function and a storage type can be a different device. The ELC-MVS01 does not control the CG/Still Store and does not perform file operations. With the tally off signal from the switcher, next piece of material on the playlist will be loaded for standby.
DDR(VDCP)	Select this option to specify a DDR(VDCP) icon. <b>Tip</b> A disk recorder without a playlist function is supported. It handles frequently-used daily materials. You can specify files from the ELC-MVS01.
DDR(SonyVTR)	Select this option to specify a DDR(SonyVTR) icon. Use this option for a digital disk recorder that can be controlled by the Sony VTR protocol.
Ext/Others	Select this option to specify an Audio icon for which the device control is not required.
PO Server	Select this option to specify a playout server icon. <b>Tip</b> A playout server is a server having a playlist function. It handles daily-changing materials. The playout server controller type with a playlist function and a storage type can be a different device. The ELC-MVS01 controls the playback function only and does not select files. When a file is played to the end, the next piece of material on the playlist will be loaded automatically for standby.
Remote	Select this option to specify a remote icon.

- 4 Select the device to be associated with the selected fader number, using the Device drop-down list box.

The fader on the audio mixer and the Audio Icon that represents the selected device are now associated.

While a cue with the associated Audio Icon is on the air, the audio level will be adjusted to the level specified in the cue automatically. You can also use the corresponding fader on the audio fader panel.

*For details on on-air operations, see “Starting/Ending On-Air Operation” on page 140, and “Controlling the Audio Level Manually” on page 148.*

- 5 Repeat steps 2 to 4 to associate another fader number with an Audio Icon.
- 6 Click [Save] to save the modified settings.

## To import source names from the audio mixer

Click [Import] in the Audio Mixer Settings window.

A warning message is displayed.

Click [OK] to import the source names from the audio mixer.

The names are displayed in the Source Name column.

### Note on importing source names

To import the source names, the source name information must be exported as a csv file described below in advance. This advanced procedure is required only when you are using a stereo fader mixer.

- File name: ExportSignals.csv
- Location: “Sony\ELC\DeviceCtrl” folder on the drive where the ELC-MVS01 software is installed.

Use the Xpoint software that is included in the audio mixer to export the information.

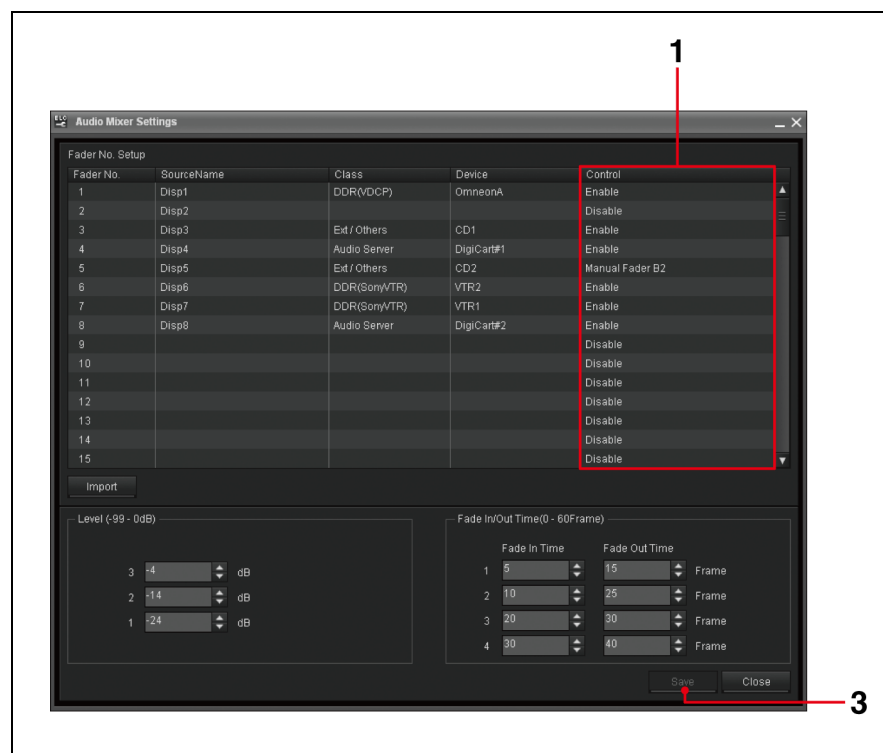
Ask your system administrator for details.

## Associating Fader Numbers with Back Faders of the Audio Fader Panel for Manual Operation

### Note

The Initial Setup application enables you to import and view the source names for the fader numbers specified on the audio mixer, so that you can check the device you want to associate with a certain fader number. The imported source names are also displayed on the source buttons on the audio fader panel for the back faders for manual fader control (channels B1 to B8).

For details, see “To import source names from the audio mixer” on page 50.



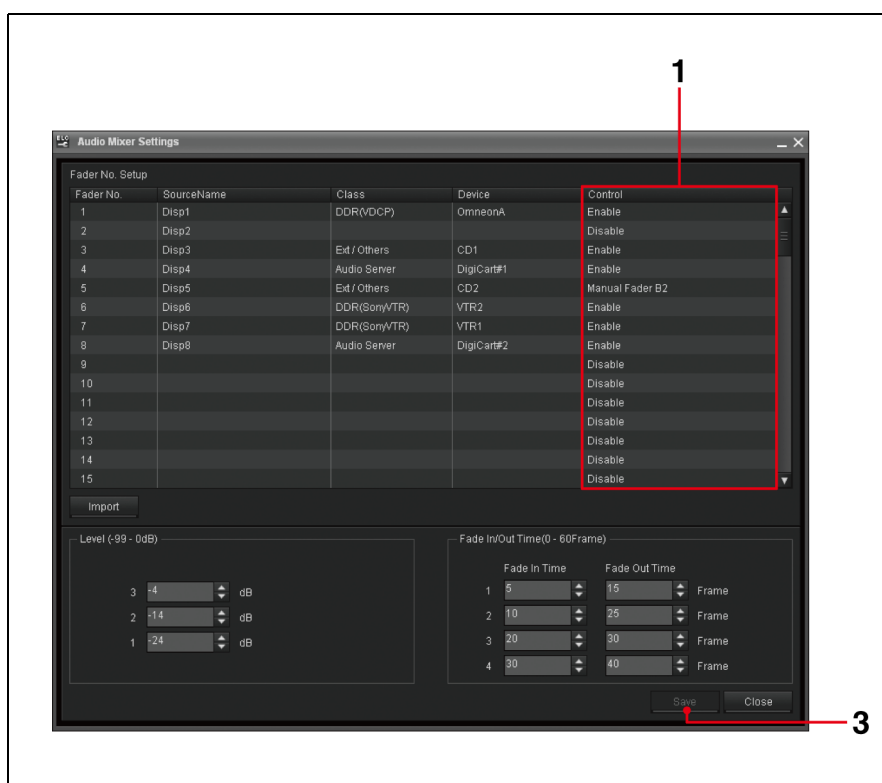
- 1 In the Audio Mixer Settings window, select one of the [Manual Fader B1] to [Manual Fader B8] options in the Control drop-down list box on the line for a fader number of the audio mixer.

The fader on the audio mixer now accepts manual fader control from the ELC-MVS01 system.

During on-air operation, the specified back fader (B1 - B8) of the audio fader panel can be used for manual control.

- 2 Repeat step 1 to associate another fader number of the audio mixer with a back fader of the audio fader panel.
- 3 Click [Save] to save the modified settings.

## Disabling Control of Faders of the Audio Mixer from the ELC-MVS01 System



- 1 In the Audio Mixer Settings window, select [Disable] in the Control drop-down list box for a fader number.

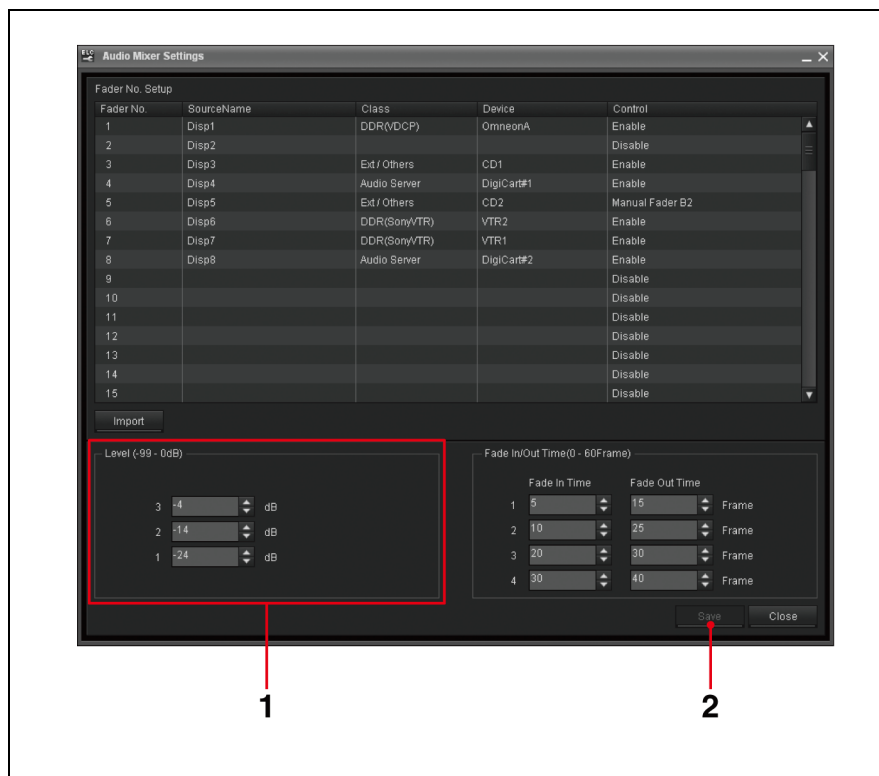
The fader on the audio mixer can no longer be controlled from the ELC-MVS01 system.

- 2 Repeat step 1 to disable control of other faders from the system.
- 3 Click [Save] to save the modified settings.

## Specifying the Audio Level Options

The following procedure specifies the audio level options for automatic fader control from the ELC-MVS01 system. The audio level options will be used in the Cue Edit window of the ELC plug-in application when editing cues. When a cue is taken during on-air operation, the audio level will automatically be adjusted to the one specified for the cue.

*For details on editing cues, see “Setting Audio” on page 99.*



- 1 In the Audio Mixer Settings window, specify the audio level for each of the three audio level options using the spin boxes in the Level section.

You can enter the desired number (-99 to 0) into each spin box, or increase/decrease the setting by clicking the spin buttons.

When editing cues, there is one more audio level option “0” that is set at  $-\infty$  dB, besides these three options and it cannot be modified.

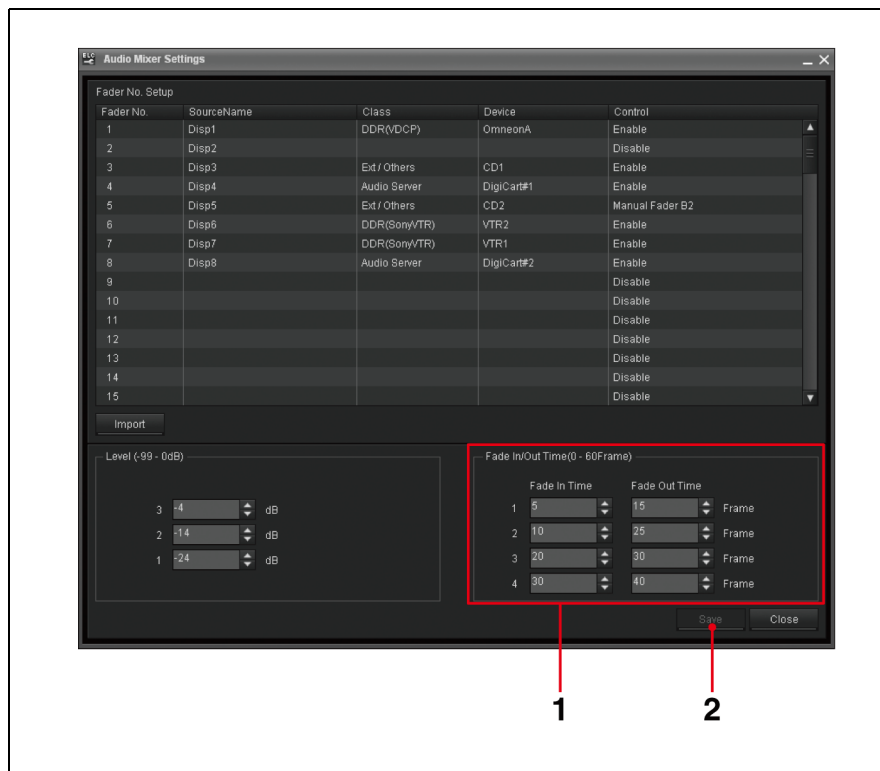
- 2 Click [Save] to save the modified settings.



## Specifying the Fade In/Out Time Options

The following procedure specifies the audio fade in/out time options for automatic fader control from the ELC-MVS01 system. The fade in/out time options will be used in the Cue Edit window of the ELC plug-in application when editing cues.

When a cue is taken during on-air operation, the fade in/out time specified for the cue is used for playout automatically.



- 1 In the Audio Mixer Settings window, specify the number of frames for each of the four fade in/out time options, using the spin boxes in the Fade In/Out Time section.

You can enter the desired number of frames (0 to 60) into each spin box, or increase/decrease the setting by clicking the spin buttons.

### Note

The fade in/out time for an option will be displayed in the “SS:FF” format in the Cue Edit window of the ELC plug-in application.

- 2 Click [Save] to save the modified settings.

# Assigning Functions to the Shot Box Module Buttons

The Shot Box Module Assign window is used to assign manual on-air functions to the buttons on the ELC-MVS01 shot box module. This setup enables an ELC operator to use the assigned manual function easily during on-air operation, by selecting the corresponding button.

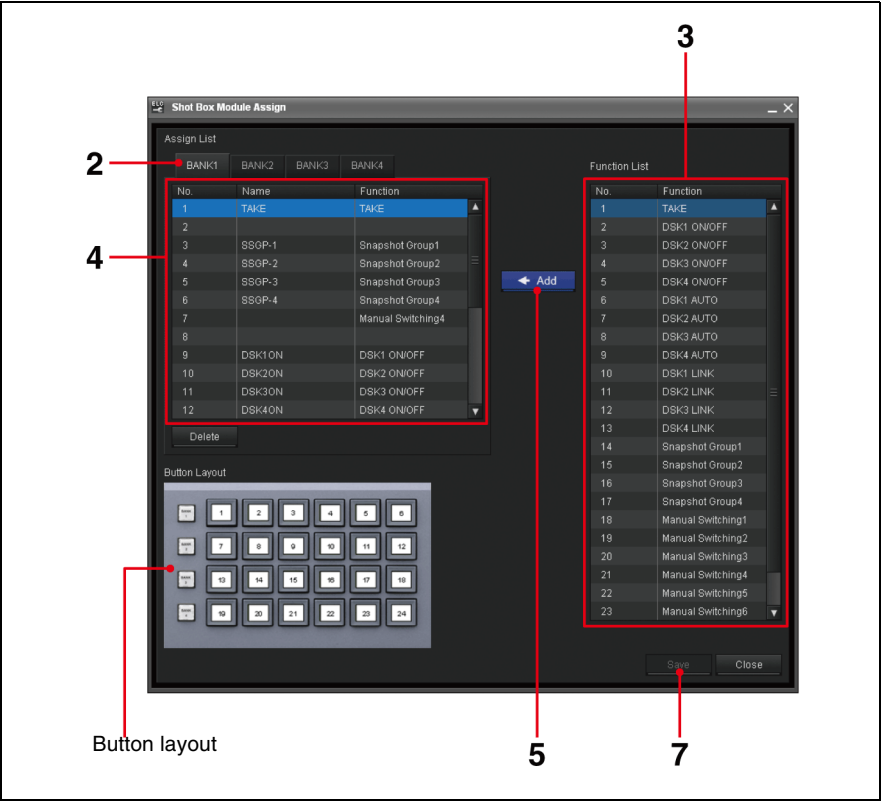
### Notes

- When there are two shot box modules used in the system, this setup makes the identical assignment to both shot box modules.
- During on-air operation, a change in setting will not be reflected immediately. The next time you open a playlist with the OA Playlist application, the windows will reflect the changes.

## Assigning a Function to a Button

- 1 On the Initial Setup Main Menu, click the Shot Box Module Assign sub menu.

The Shot Box Module Assign window is displayed.



- 2 Select the tab corresponding to the bank to which you want to assign the functions.

The functions that have already been assigned to the buttons of the selected bank are displayed in the Assign List.

- 3** Select the function(s) to be assigned on the Function List.  
 To select more than one function, hold down the Ctrl key, and click the desired functions.  
 To select all functions in a range, hold down the Shift key, and click the first and last functions in the range.

There are the following functions on the Function List.

Function	Description
TAKE	Takes the next cue on the playlist while on the air.
DSK1 - 4 ON/OFF	Cuts DSK 1 to 4 in or out alternately.
DSK1 - 4 AUTO	Inserts or deletes DSK 1 to 4 alternately using the transition type and rate specified on the switcher.
DSK1 - 4 Link	Takes the next cue on the playlist, and simultaneously inserts or deletes DSK 1 to 4 using the transition type and rate specified on the switcher.
Snapshot Group 1 - 4	Recalls the snapshot specified as the Snapshot Group 1 to 4 Effect Icon. <i>For details, see "Effect Icons" on page 76.</i>
Manual Switching 1 - 6	Switches to the video signal of the first to sixth Video Icon listed for manual switching. <i>For details, see "Required Settings in the ELC Plug-in Application" on page 116.</i>
Side Flag for A Bus	Turns Side Flag on and off for the A bus of the Next Cue.
Side Flag for B Bus	Turns Side Flag on and off for the B bus of the Next Cue.

- 4** Select the number corresponding to the button to be assigned with the function on the Assign List.  
 Or, if you select more than one function in step **3**, select the lowest number of the buttons to which you want to assign the functions. In this case, the functions will be assigned to the buttons of the selected and the subsequent numbers.
- 5** Click [←ADD].
- The selected function(s) are assigned to the button(s), and displayed on the Assign List.
- 6** Repeat steps **2** to **5** if you want to assign another function to a shot box module button.
- 7** Click [Save] to save the modified settings.

# Specifying the Name of a Button

The following procedure specifies/edits the name for a button on the shot box module.

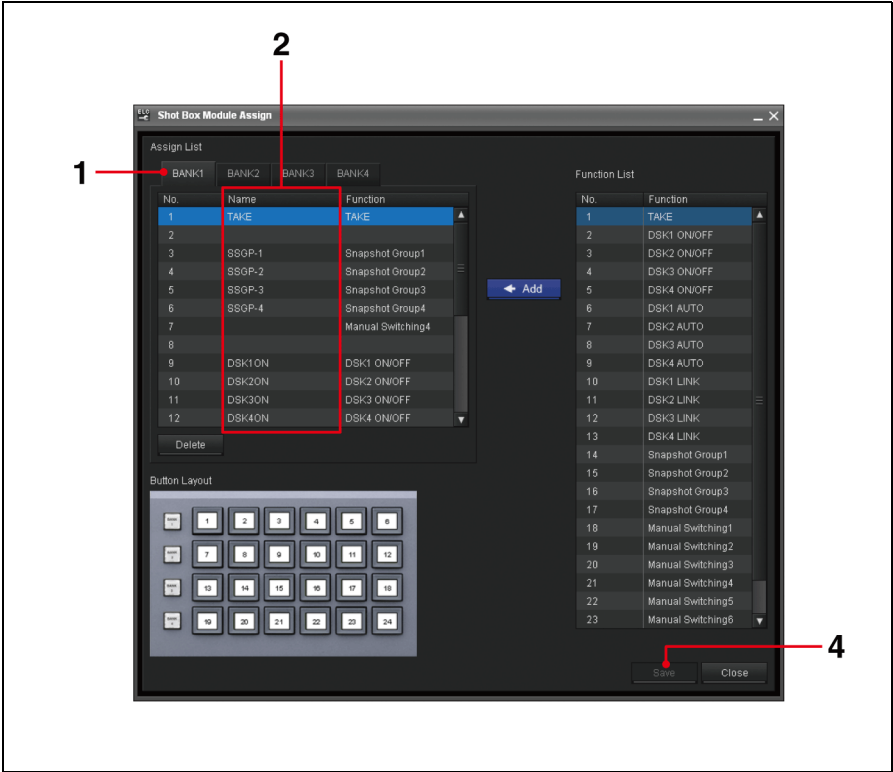
**Note**

When one of the Snapshot Group 1 to 4 functions is assigned to a button, the name of the corresponding Snapshot Group will appear on the button. In this case, the Initial Setup application does not allow you to edit the name of the button. Use the Icon Manager to edit the name of a Snapshot Group.

For details on editing the name of a Snapshot Group, see “Required Settings in the Icon Manager Application” on page 109.

When one of the Manual Switching 1 to 6 functions is assigned to a button, the name of the corresponding Video Icon will appear on the button. In this case as well, the Initial Setup application does not allow you to edit the name of the button.

For details on the Video Icons used for manual switching, see “Required Settings in the ELC Plug-in Application” on page 116.



- 1 In the Shot Box Module Assign window, select the tab corresponding to the desired bank.

The functions assigned to the buttons of the selected bank are displayed in the Assign List.

- 2 Double-click the Name column on the line for the desired button, and enter the name for the button.

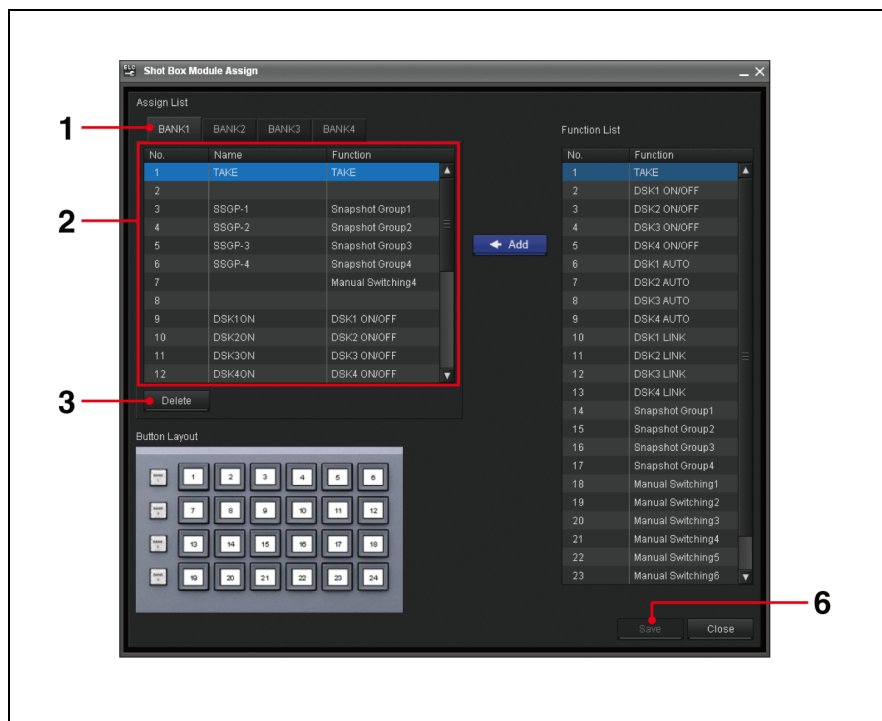
#### Notes

- You can enter up to eight alphanumeric characters and symbols. Use the symbol “|” to insert a line break, which appears only on the shot box module.
- Although you can enter both capital and lower case letters here, the names will be shown in capital letters on the shot box module.

- 3 Repeat steps 1 and 2 if you want to specify the name for another button.
- 4 Click [Save] to save the modified settings.

## Removing the Assigned Function

The following procedure removes the function assigned to a button on the shot box module.



- 1 In the Shot Box Module Assign window, select the tab corresponding to the desired bank.

The functions assigned to the buttons of the selected bank are displayed in the Assign List.

- 2 Select the line of the button from which you want to remove the assigned function on the Assign List.

**3** Click [Delete].

A confirmation message is displayed.

**4** Click [OK] to remove the function.

The selected function disappear from the list.

**5** Repeat steps **1** to **4** if you want to remove the function from another button.

**6** Click [Save] to save the modified settings.

# Managing Video Material

## - Creating the DDR(VDCP) File List

The Initial Setup application shows the DDR(VDCP) File List Creation window, in which a technical director can select the video files to be used in the news programs from all the files stored on the DDR(VDCP). The selected files will be shown on a list when the DDR(VDCP) is selected during creating or editing cues, so that the desired video files can be added to a playlist easily.

### Note

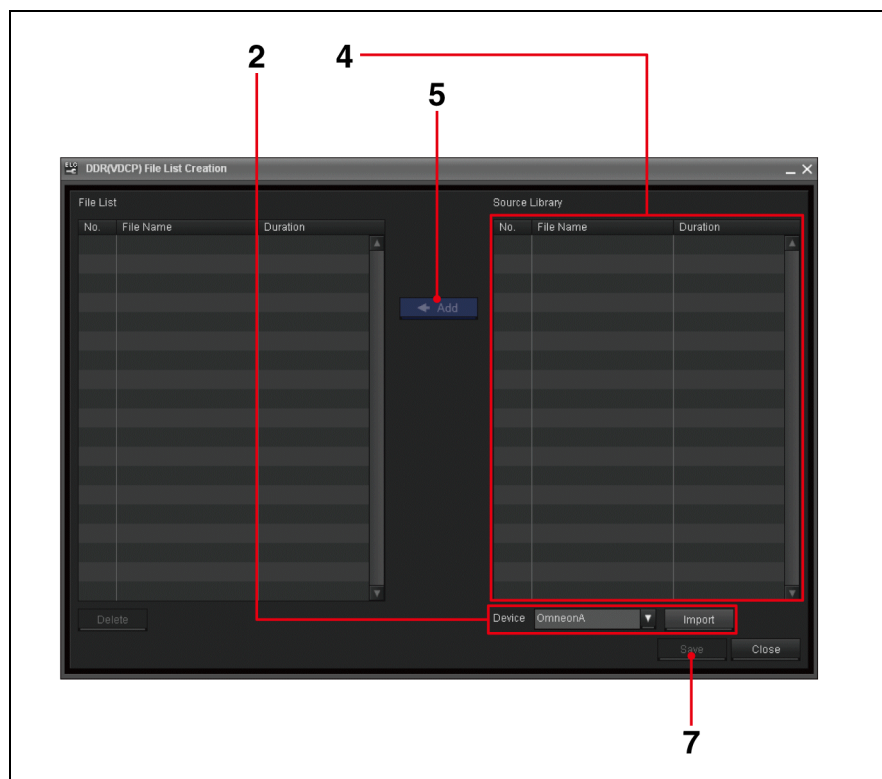
All the video files to be used in the ELC-MVS01 system must be listed in advance using this DDR(VDCP) File List Creation setup tool.

## Creating the File List

- 1 On the Initial Setup Main Menu, click the DDR(VDCP) File List Creation sub menu.

The DDR(VDCP) File List Creation window is displayed. If the file list has already been created, it is displayed on the File List in the window.

When the Source Library list, which shows the video files stored on the DDR(VDCP), is blank, or when you want to update the list, proceed to step 2. When it does not need to be updated, proceed to step 4.



- 2 Select the device in the Device drop-down list box, then click [Import].

By selecting the device, the port of the DDR(VDCP) to be used to import the file information is selected.

A warning message appears.

- 3** Click [OK] to import the file information.

Importing of the file information starts.

When importing is completed, information on the video files obtained from the DDR(VDCP) appears on the Source Library list.

- 4** Select the desired file(s) on the Source Library list.  
To select more than one file, hold down the Ctrl key, and click the desired files.  
To select all files in a range, hold down the Shift key, and click the first and last files in the range.

**Note**

The File List holds up to 100 files.

- 5** Click [← ADD].

The selected file(s) are added at the bottom of the File List.

- 6** Repeat steps **4** and **5** if you want to add more files to the File List.
- 7** Click [Save] to save the modified settings.

---

## Changing the Order of the Files

The following procedure changes the order of the files on the File List. You can arrange the list, so that files can easily be found when creating/editing cues.

- 1** On the File List, select the file, then move it to the desired position on the list using a drag and drop operation.

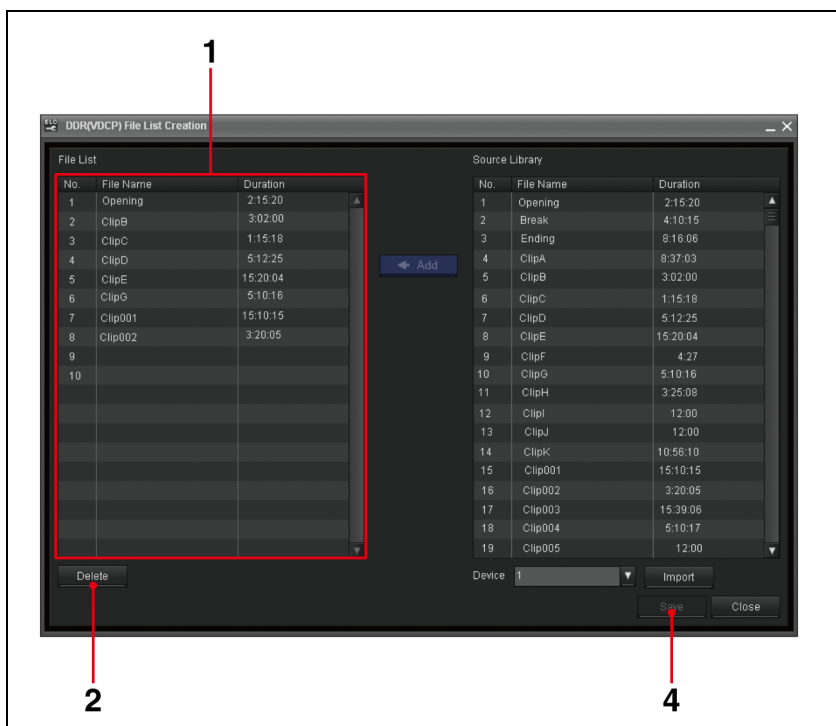
The moved file is inserted at the position where it was dropped.

- 2** Repeat step **1** if you want to move another file on the list.
- 3** Click [Save] to save the modified settings.



## Deleting Files from the List

The following procedure deletes the selected files from the File List.



- 1** On the File List, select the file(s) to be deleted.  
To select more than one file, hold down the Ctrl key, and click the desired files.  
To select all files in a range, hold down the Shift key, and click the first and last files in the range.
- 2** Click [Delete].  
  
A confirmation message is displayed.
- 3** Click [OK] to delete the file(s).  
  
The selected file(s) disappear from the File List. The remaining files are rearranged on the list without any space between them.
- 4** Click [Save] to save the modified settings.

# Managing Audio Material

## - Creating the Audio Server File List

The Initial Setup application shows the Audio Server File List Creation window, in which a technical director can select the audio files to be used in the news programs from all the files stored on the audio server. The selected files will be shown on a list when the audio server is selected while creating or editing cues, so that the desired audio files can be added to a playlist easily.

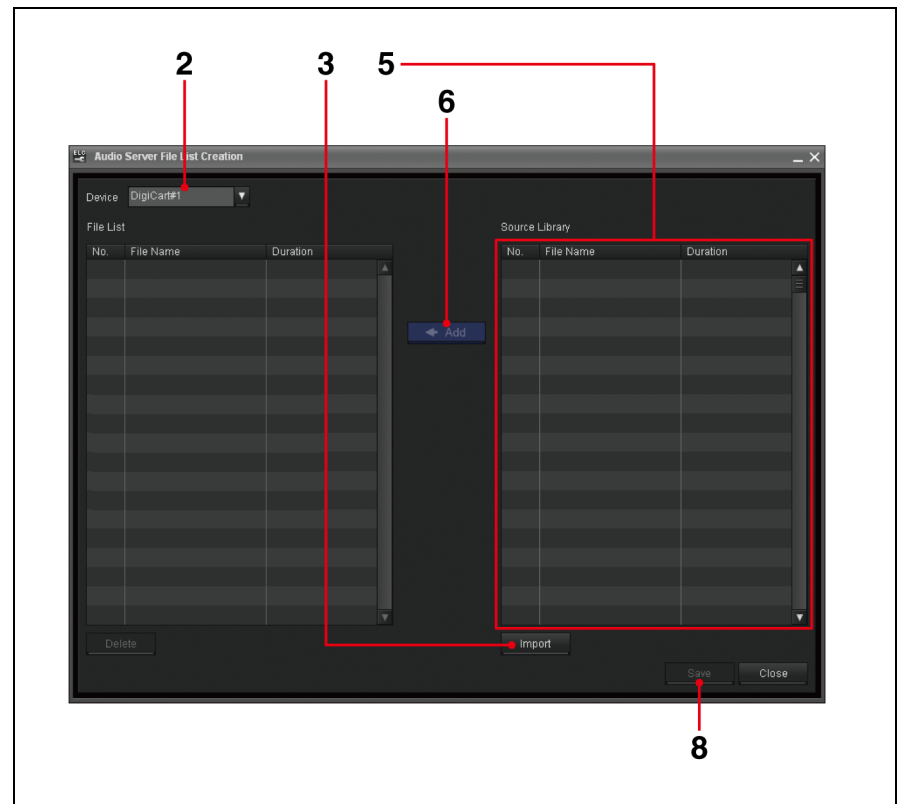
### Note

All the audio files to be used in the ELC-MVS01 system must be listed in advance using this Audio Server File List Creation setup tool.

## Creating the File List

- 1 On the Initial Setup Main Menu, click the Audio Server File List Creation sub menu.

The Audio Server File List Creation window is displayed.



- 2 Select the desired device for which you would like to create a file list in the Device drop-down list box.

If the information on the audio files of the selected device has already been imported, the files are displayed on the File List and the Source Library.

When the Source Library list, which shows the audio files stored on the selected audio server, is blank, or when you want to update the list, proceed to step **3**. When it does not need to be updated, proceed to step **5**.

**3** Click [Import].

A warning message appears.

**4** Click [OK] to import the file information.

Importing of the file information starts.

When importing is completed, information on the audio files obtained from the audio server appears on the Source Library list.

**5** Select the desired file(s) on the Source Library list.

To select more than one file, hold down the Ctrl key, and click the desired files.

To select all files in a range, hold down the Shift key, and click the first and last files in the range.

**Note**

The File List holds up to 100 files.

**6** Click [←ADD].

The selected file(s) are added at the bottom of the File List.

**7** Repeat steps **5** and **6** if you want to add more files to the File List.

**8** Click [Save] to save the modified settings.

## Changing the Order of the Files

The following procedure changes the order of the files on the File List. You can arrange the list so that files can easily be found when creating/editing cues.

**1** Select the desired audio server in the Device drop-down list box.

The file information created for the audio server is displayed on the File List.

**2** On the File List, select the file, then move it to the desired position on the list using a drag and drop operation.

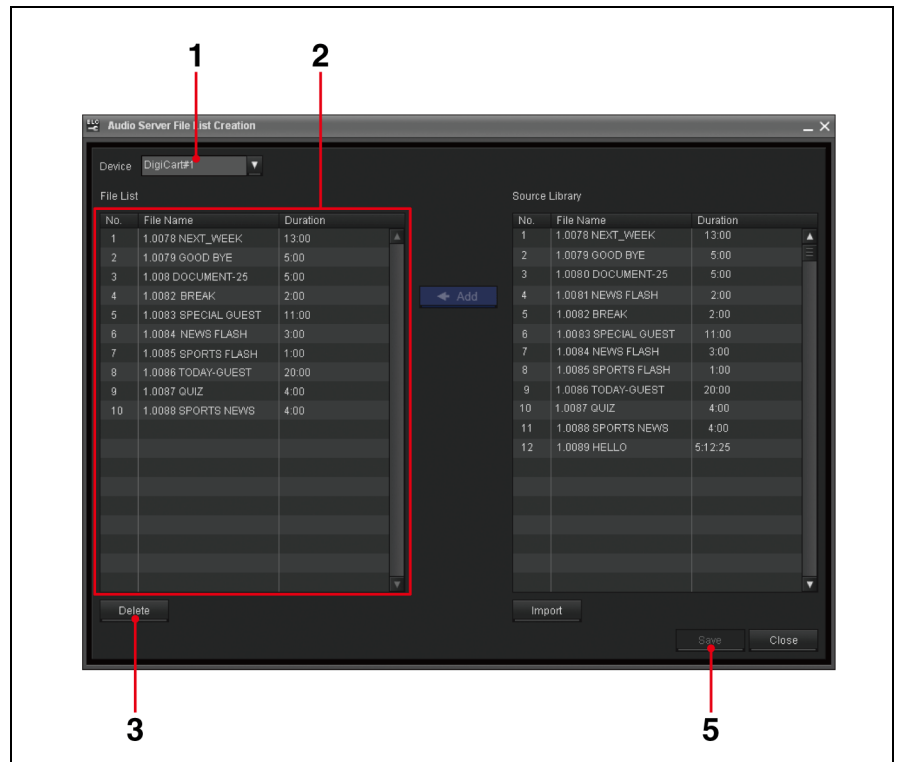
The moved file is inserted at the position where it was dropped.

**3** Repeat step **2** if you want to move another file on the list.

**4** Click [Save] to save the modified settings.

## Deleting Files from the List

The following procedure deletes the selected files from the File List.



- 1 Select the desired audio server in the Device drop-down list box.

The file information created for the audio server is displayed on the File List.

- 2 On the File List, select the file(s) to be deleted.  
To select more than one file, hold down the Ctrl key, and click the desired files.  
To select all files in a range, hold down the Shift key, and click the first and last files in the range.

- 3 Click [Delete].

A confirmation message is displayed.

- 4 Click [OK] to delete the file(s).

The selected file(s) disappear from the File List. The remaining files are rearranged on the list without any space between them.

- 5 Click [Save] to save the modified settings.

## Overview of Icons

The Icon Manager application allows you to create Video, Audio, Transition, and Effect Icons, which are elements to make a cue. The software also provides categories to classify Icons. This section provides an overview of Icons and categories you can create with the Icon Manager application.

### Icons

An Icon symbolizes frequently-used settings of a video switcher, audio mixer, or devices for materials such as a camera, server, or CG. The following four types of Icons are available:

- **Video Icon**

A Video Icon represents video materials of cameras, video servers, CG, and DDR. It is used to change video materials.

- **Audio Icon**

An Audio Icon represents audio materials of an audio server, or video server. It is used to change audio materials.

- **Transition Icon**

A Transition Icon represents a video transition setting. Various video transition settings are registered as a “snapshot” in the switcher, and the Transition Icon represents the snapshot. It is used to make the transition from one cue to the next one.

- **Effect Icon**

An Effect Icon represents a setting of compound video effects. A frequently-used effect is registered as a “snapshot” in the switcher, and the Effect Icon represents the snapshot. It is used to set a video effect.

#### Note

An Effect Icon contains a Video Icon as an element. Create an Effect Icon after the Video Icon is created.

In addition, the following icon is supplied by the system:

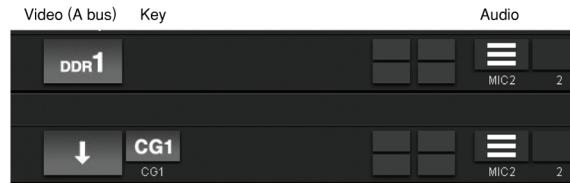
### System Icons

The following System Icons are prepared by the ELC-MVS01 software and the users are thus not required to prepare them:

## • Continuous

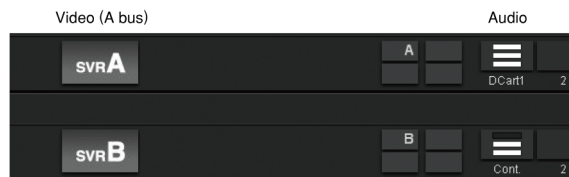
Audio and Video Icons for which class is designated as Continuous are used when identical material is used both in the OA cue and the NEXT cue. If the same material is set in two consecutive cues, functions such as Play or Shot Recall of Camera will operate again from the beginning with the TAKE operation. To use the same material without repeating those operations, use this Icon.

### Example 1: When you want to make a Key On setting using a TAKE operation



In the above example, the Key On setting is set with a TAKE operation and the CG1 is superimposed on the DDR image. Playback of the DDR image continues in the next cue.

### Example 2: When you want to adjust the audio level using a TAKE operation



In the above example, the audio level is reduced with a TAKE operation while switching cues. Playback of the audio file continues in the next cue.

## • PO Server

Video and Audio Icons for which class is designated as PO Server.

There are two types of PO Server Icons supplied by the system: one for all the channels and the other for a single channel. To display the Icon in a playlist, an Icon should be created for each channel.

When the PO Server category is selected in the Cue Edit, the Icon the system supplies for all the channels is displayed. When the Icon is actually pasted in the NRCS client window and the channel is set, the icons the user has created for each channel are displayed in the playlist.

## Categories

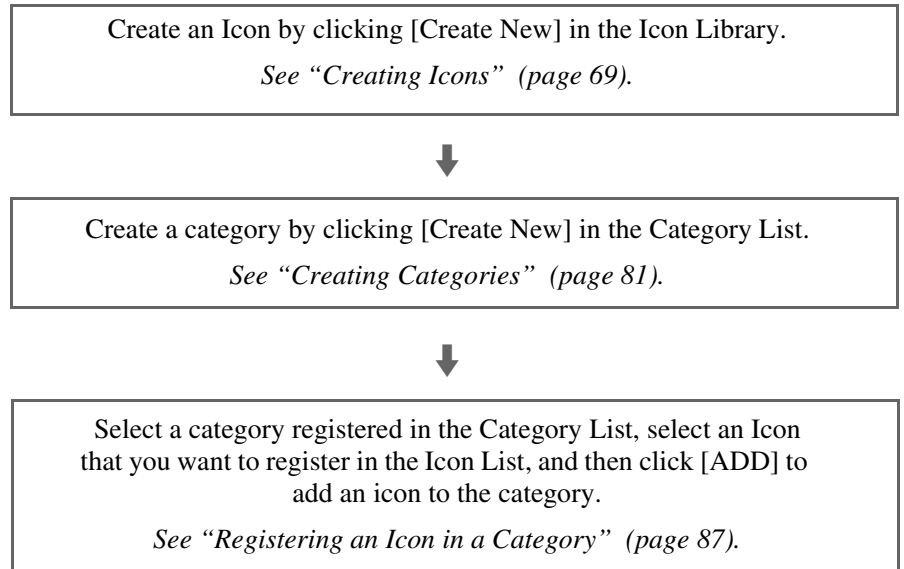
The Icon Manager allows you to create categories to be used to classify Icons. Categories are created to narrow down the Icons to be displayed in the Cue Edit window, so that you can select an appropriate Icon easily.

The icons of the following classes will be automatically allocated to the relevant class categories when their category types are specified.

- Icons classified as DDR(VCDP) or Audio Server that show file lists by selecting a category.
- Icons classified as PO Server or Continuous that are supplied by the system.

## Workflow for creating icons and categories

The following provides an overview of the workflow for creating icons and classifying icons into categories:



# Starting the Icon Manager Application

## Before you start the Icon Manager

To create Icons in the Icon Manager, the following preparations are necessary:

- **Building up the database**

In the database (SQL), tables, including Device Resources and Device Candidates, should be created. Without these settings, options such as Class and Device are not displayed in the Icon Manager.

- **Creating graphic data for thumbnails**

In the Icon Manager, Icons are displayed graphically using the prepared graphic data.

- **Creating snapshots with the video switcher**

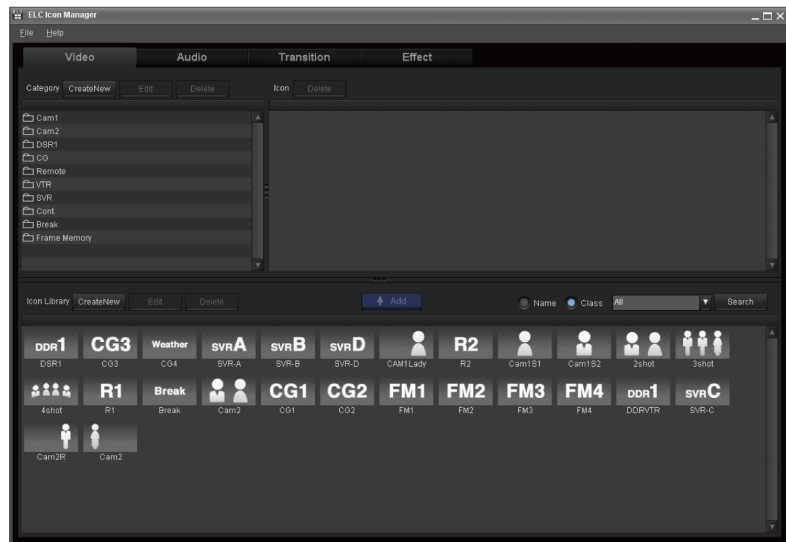
The Icon Manager reproduces transition, key, and other video effects by recalling snapshots, so snapshots should be prepared in advance.

- **Creating a macro with the video switcher**

Some types of transitions, such as CG Wipe, can use a macro of the video switcher, so macros should be prepared in advance.

- 1 Double-click the Icon Manager icon on the Windows desktop.  
Or, double-click the IconManager.exe file in the “Sony\ELC\IconMgr” folder on the drive where the ELC-MVS01 software is installed.

The Icon Manager starts and the Icon Manager window is displayed.



### Note

Only one Icon Manager application can be operated in a system at a time. If the Icon Manager application is already operating on the same computer, or on a different computer in the system, you cannot start the application.

## Exiting the Icon Manager Application

- 1 Click [File] > [Exit] from the menu bar of the Icon Manager Main Menu.  
If there is an unsaved operation, the Icon Manager application asks you whether you want to save it. Save it if necessary. The Icon Manager application is closed.



# Managing Icons

This section explains how to create and set in detail an icon. You can also edit or delete a created icon.

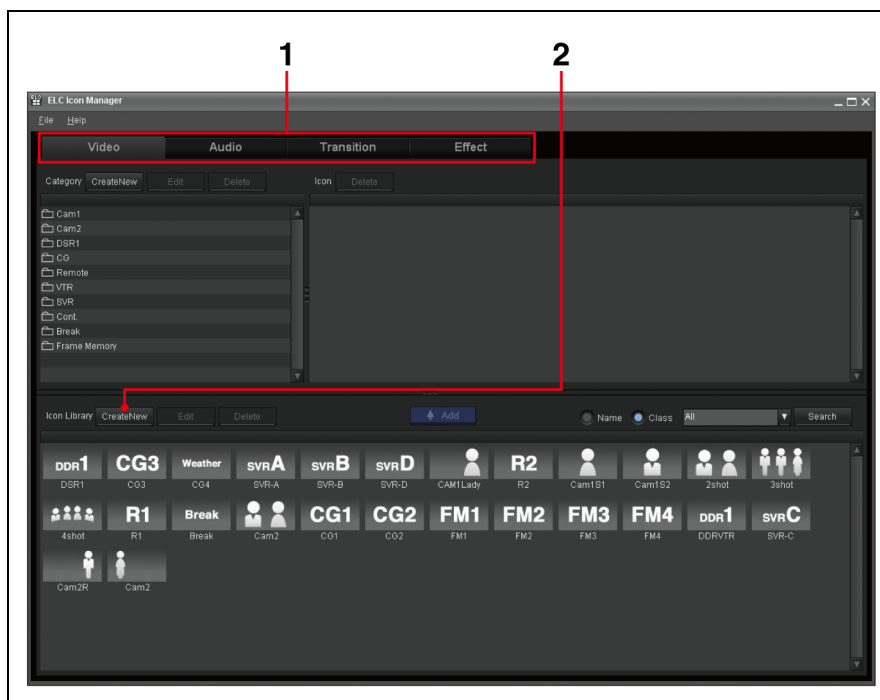
## Creating Icons

This section explains how to create an Icon, an element for creating a cue.

For details of each Icon settings, see “Setting Icons” (page 70).

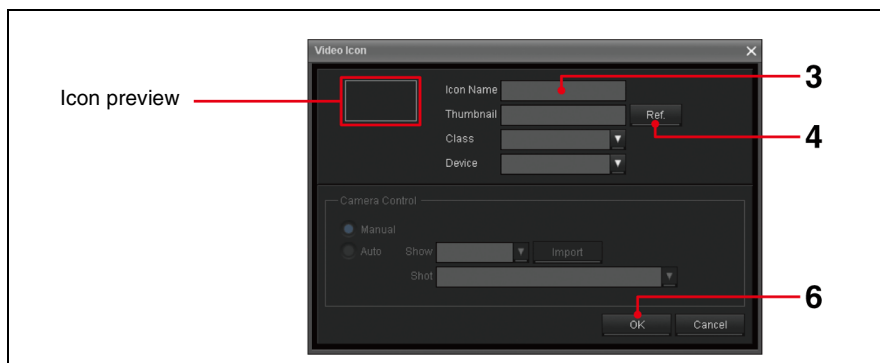
- 1 Click the desired tab, Video, Audio, Transition, or Effect, in the Icon Manager.

The window for the selected tab is displayed.



- 2 Click [Create New] on the Icon Library.  
Or, right-click on the Icon Library, and select [Create New] from the menu displayed.

The Icon creation window is displayed.



- 3 Input the desired name of up to 8 alphanumeric characters in the Icon Name text box.

The input name appears under the Icon thumbnail of the Icon preview block.

- 4 Click [Ref.] next to the Thumbnail box to display the image list contained in the relevant Windows folder. Then select the desired image for the thumbnail.

It is recommended that you use a graphic (jpeg/bmp) file displayed at 80 x 45 pixels.

#### Tip

Sample icon graphic files from Sony are supplied free for your use in the “Sony\ELC\BitmapIcon” folder on the drive where the ELC-MVS01 software is installed.

- 5 Make the required settings to create a new Icon.

*For details, see “Setting Icons” on page 70.*

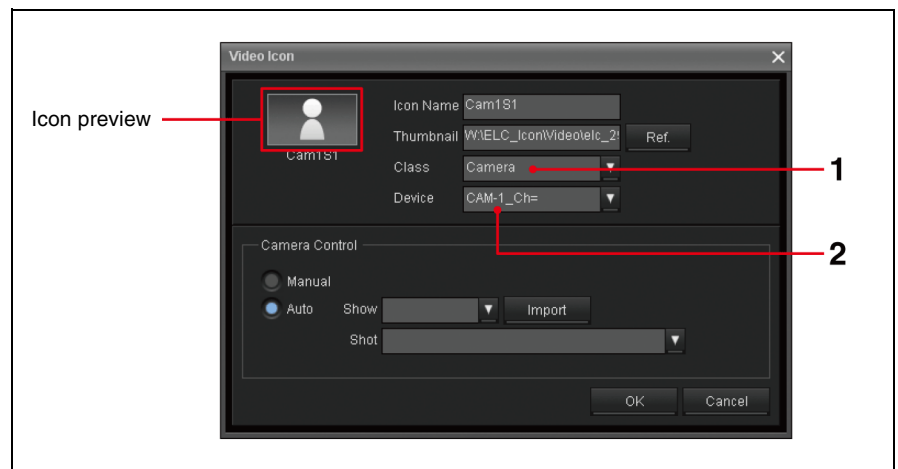
- 6 Click [OK].

The selected Icon window is closed and the Icon Manager window is displayed again. The created Icon is added to the end of the Icon Library.

## Setting Icons

### Video Icons

You can create and edit Video Icons in the Video Icon window.



- 1 Select the class where the desired device is classified from the Class drop-down list box.

You can select from the following options. According to the class selected here, the rest of the menus show different options.

Class	Descriptions
Camera	Select this option to create a camera Icon.
CG/Still Store	Select this option to create a CG or Still Store Icon. <b>Tip</b> The CG/Still Store is a server having a playlist function. The CG/Still Store controller type with a playlist function and a storage type can be a different device. The ELC-MVS01 does not control the CG/Still Store and does not perform file operations. With the tally Off signal from the switcher, next piece of material on the playlist will be loaded for standby.
DDR(VDCP)	Select this option to create a DDR(VDCP) Icon. <b>Tip</b> A disk recorder without a playlist function is supported. It handles frequently-used daily materials. You can specify files from the ELC-MVS01.
DDR(SonyVTR)	Select this option to create a DDR(SonyVTR) Icon. Use this option for a digital disk recorder that can be controlled by the Sony VTR protocol.
Ext/Others	Select this option to create a Color Background or Re-Entry Icon within the switcher.
Frame Memory	Select this option to specify a Frame Memory Icon within the switcher.
PO Server	Select this option to create a playout server Icon. <b>Tip</b> A playout server is a server having a playlist function. It handles daily-changing materials. The playout server controller type with a playlist function and a storage type can be a different device. The ELC-MVS01 controls the playback function only and does not select files. When a file is played to the end, the next piece of material on the playlist will be loaded automatically for standby.
Remote	Select this option to create a remote Icon.

#### Note

You can set the Class only when you are creating a new Icon. When you edit an existing Icon, the Class boxes are disabled.

## 2 Select the desired device from the Device drop-down list box.

You can select from the devices of the selected class as follows. Depending on the class you have selected in step 1, the type of devices differs.

Class	You can select:
Camera	Devices classified as camera in the database.
CG/Still Store	Devices classified as CG/Still Store in the database.
DDR(VDCP)	Devices classified as DDR(VDCP) in the database.
DDR(SonyVTR)	Devices classified as DDR(SonyVTR) in the database.
Ext/Others	Devices classified as Ext/Others in the database.
PO Server	Devices classified as PO Server in the database. Select this option to create a PO Server Icon for each playout server channel.
Remote	Devices classified as Remote in the database.

## 3 When you select [Camera] for the Class in step 1, specify the Camera Control options.

Check either the Manual or Auto option box:

- **Manual:** Select this option to control the switcher's cross point selection only, and to control the camera manually.
- **Auto:** Select this option to control both the switcher's cross point selection and to perform automatic control (Shot Recall) over the robotic camera.

When you select Auto, the Show and Shot boxes become enabled.  
Proceed with the settings as follows:

Options	Descriptions
Show	Click the down arrow to display the Show options of the selected Device. Select the desired show option.
Shot	Click the down arrow to display the Shot options of the selected Show. Select the desired shot option.
Import button	Click the button to re-load the Show/Shot information from the robotic camera.

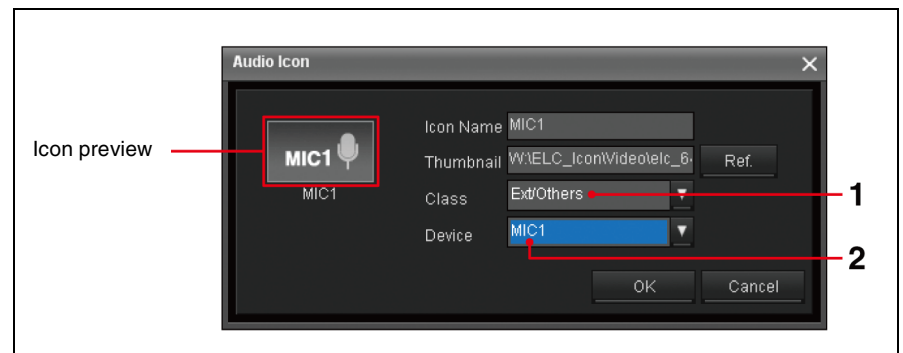
## Audio Icons

You can create and edit Audio Icons in the Audio Icon window.

### Note

The Audio Icons classified as CG/Still Store, DDR(VDCP), DDR(SonyVTR), PO Server, and Remote will be created automatically when a Video Icon is created.

For details, see “List of Required Settings in Icon Creation and Category Registration” on page 89.



- 1 Select the class where the desired device is classified from the Class drop-down list box.

You can select from the following options. According to the class selected here, the rest of the menus show different options. .

Class	Descriptions
Audio Server	Select this option to create an audio server Icon.
Ext/Others	Select this option to create a piece of material Icon for which the device control is not required.

### Note

You can set the Class only when you are creating a new Icon. When you edit an existing Icon, the Class boxes are disabled.

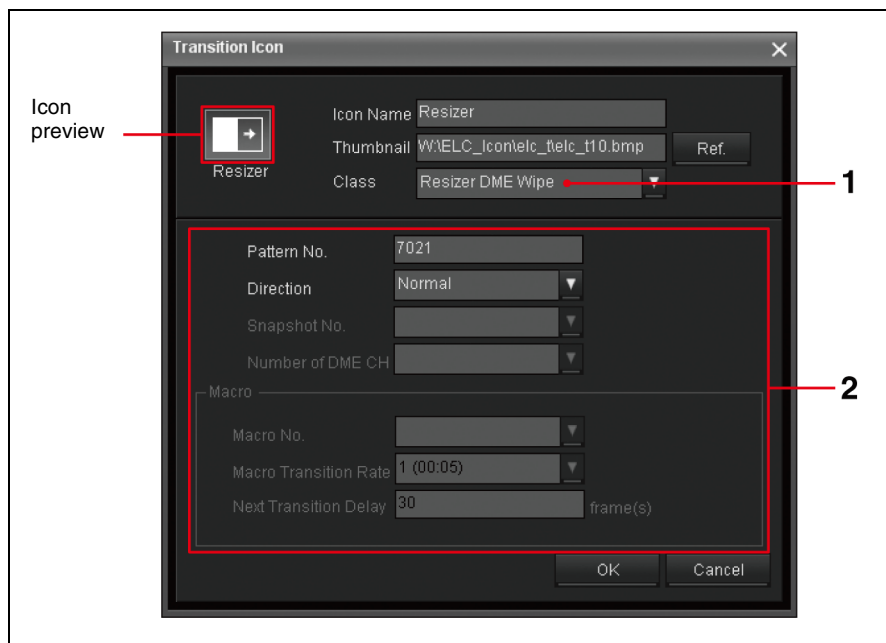
## 2 Select the desired Device for the Icon from the Device drop-down list box.

You can select from the following options. Depending on the class you have selected in step 1, the type of devices differs.

Class	You can select:
Audio Server	Devices classified as audio server in the database.
Ext/Others	Devices classified as Ext/Others in the database.

## Transition Icons

You can create and edit Transition Icons in the Transition Icon window.



## 1 Select the class where the desired device is classified from the Class drop-down list box.

You can select from the following options. According to the class selected here, the rest of the menus show different options.

Class	Descriptions
Mix	Select this option to create a Mix icon.
NAM <sup>1)</sup>	Select this option to create a NAM icon.
Super Mix <sup>1)</sup>	Select this option to create a Super Mix icon.
Wipe Snapshot <sup>1)</sup>	Select this option to create a Wipe Snapshot icon.
DME Wipe Snapshot <sup>1)</sup>	Select this option to create a DME Wipe Snapshot icon.
User Programmable DME	Select this option to create a User Programmable DME icon.
Resizer DME Wipe <sup>2)</sup>	Select this option to create a Resize DME Wipe icon.
Macro	Select this option to create a Macro icon.
Preset Color Mix <sup>1)</sup>	Select this option to create a Preset Color Mix icon.

1) The option cannot be used for a key.

2) The option can be used only for a key.

### Note

You can set the Class only when you are creating a new Icon. When you edit an existing Icon, the Class box is disabled.

**2** Depending on the class you select in step **1**, set the following options.

☐ **When Wipe Snapshot or DME Wipe Snapshot is selected as Class**

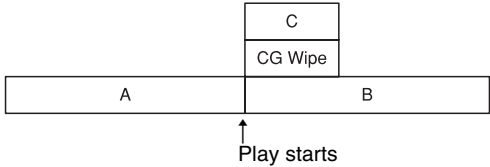
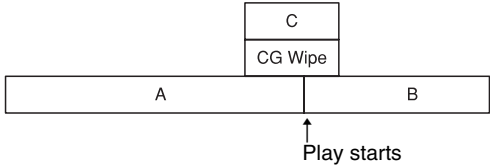
Options	Descriptions
Pattern No.	This option is disabled.
Direction	This option is disabled. Register setting of this option in the Wipe Snapshot or DME Wipe Snapshot settings in advance.
Snapshot No.	Select the Wipe Snapshot or DME Wipe Snapshot number from 1 to 10 from the drop-down list box.
Number of DME CH	Select the DME channel number the Icon uses from 0 to 4.
Macro	This option is disabled.

☐ **When Mix, NAM, Super Mix, User Programmable DME, Resizer DME Wipe, or Preset Color Mix is selected as Class**

Options	Descriptions
Pattern No.	Input the desired pattern numbers to be enabled depending on the class you selected: <b>Resizer DME Wipe:</b> <ul style="list-style-type: none"><li>• 7001 to 7008</li><li>• 7021 to 7031</li><li>• 7201 to 7208</li><li>• 7221 to 7224</li></ul> <b>User Programmable DME:</b> <ul style="list-style-type: none"><li>• 1901 to 1999 (pattern using 1CH DME)</li><li>• 2901 to 2999 (pattern using 2CH DME)</li><li>• 3901 to 3999 (pattern using 3CH DME)</li></ul>
Direction	Select either Normal or Reverse. You can set this option when User Programmable DME or Resizer DME Wipe is selected.
Snapshot No.	This option is disabled.
Number of DME CH	This option is disabled.
Macro	This option is disabled.

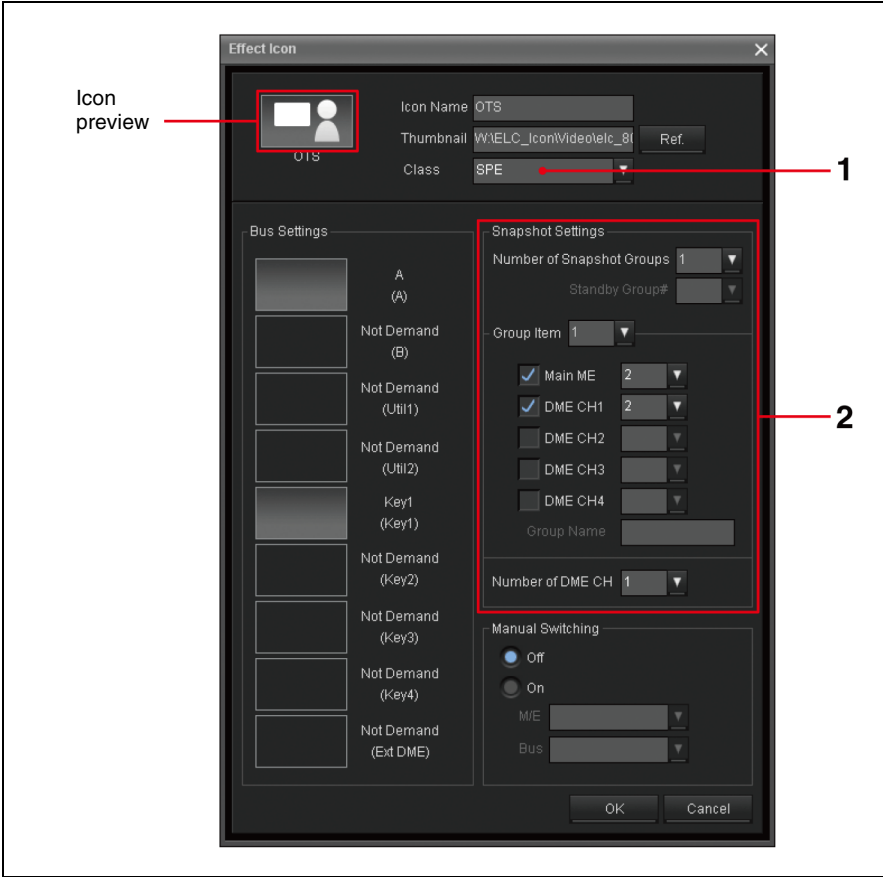
☐ **When Macro is selected as Class**

Options	Descriptions
Pattern No.	This option is disabled. Register the setting of this option within the Macro.
Direction	This option is disabled. Register the setting of this option within the Macro.
Snapshot No.	This option is disabled. Register the setting of this option within the Macro.
Number of DME CH	Select the DME channel number the Icon is to use from 0 to 4.
Macro	This option is displayed only when Macro is selected for class. Set the following in the Macro block:

Options		Descriptions
	Macro No.	Click the down-arrow to display the options list, and select the desired Macro number from 1 to 99.
	Macro Transition Rate	Click the down-arrow and select a transition rate as long as or longer than that set for the Macro:
	1(SS:FF)	Transitions in the period set as “1” in the Initial Setup application.
	2(SS:FF)	Transitions in the period set as “2” in the Initial Setup application.
	3(SS:FF)	Transitions in the period set as “3” in the Initial Setup application.
	4(SS:FF)	Transitions in the period set as “4” in the Initial Setup application.
	Next Start Delay	<p>When the transition delay macro is set, click the down-arrow to display the options list, and select the desired delay in play (start) to the Next Transition display from 0 to 999 frames. Without a delay, the Next Transition image will be displayed as soon as the play starts.</p> <p>(Example: when the Next Transition B is delayed) Without a delay:</p>  <p>With a delay:</p> 

Effect Icons

You can create and edit Effect Icons in the Effect Icon window.



- 1 Select the class where the desired device is classified from the Class drop-down list box.

You can select from the following options. According to the class selected here, the rest of the menus show different options.

Class	Descriptions
SPE	Select this option to create a Special Effect icon that allows you to perform picture effects using a snapshot. In addition to simple picture effects, you can register more complicated settings such as manual switching of multiple snapshots while on the air (2box), or manual switching of the bus between random materials while on the air. <i>For details, see “Preparing for Switching Multiple Snapshots Manually (2Box)” on page 108.</i>

Note


You can set the Class only when you are creating a new Icon. When you edit an existing Icon, the Class box is disabled.

- 2 In the Snapshot Settings block, set the snapshots you will use in the Effect Icon.



For using multiple snapshots, you must make the required necessary settings in the Snapshot Settings block: the Standby Group#, Group Item Selection, and Group Name.

*For detailed settings, see “Preparing for Switching Multiple Snapshots Manually (2Box)” (page 108).*

Options	Descriptions
Number of Snapshot Groups	<p>Select how many Snapshot Groups should be used, from 1 to 4 from the drop-down list box.</p> <p>A Snapshot Group represents a combination of snapshots, which you can recall by pressing the button assigned to a Snapshot Group on the shot box module. To recall one Snapshot Group, the number should be “1.” To recall multiple Snapshot Groups, select 2 to 4, corresponding to the number of Snapshot Groups that you want to recall.</p> <ul style="list-style-type: none"> <li>• <b>When “1” is selected:</b> Example: One snapshot is used and camera and CG are mixed.</li> </ul> 
Group Item	Put a check mark next to the places where you want to use Snapshots, and then select a snapshot number from the drop-down list box.
Number of DME CH	Input the number of DME to be used in the Icon.

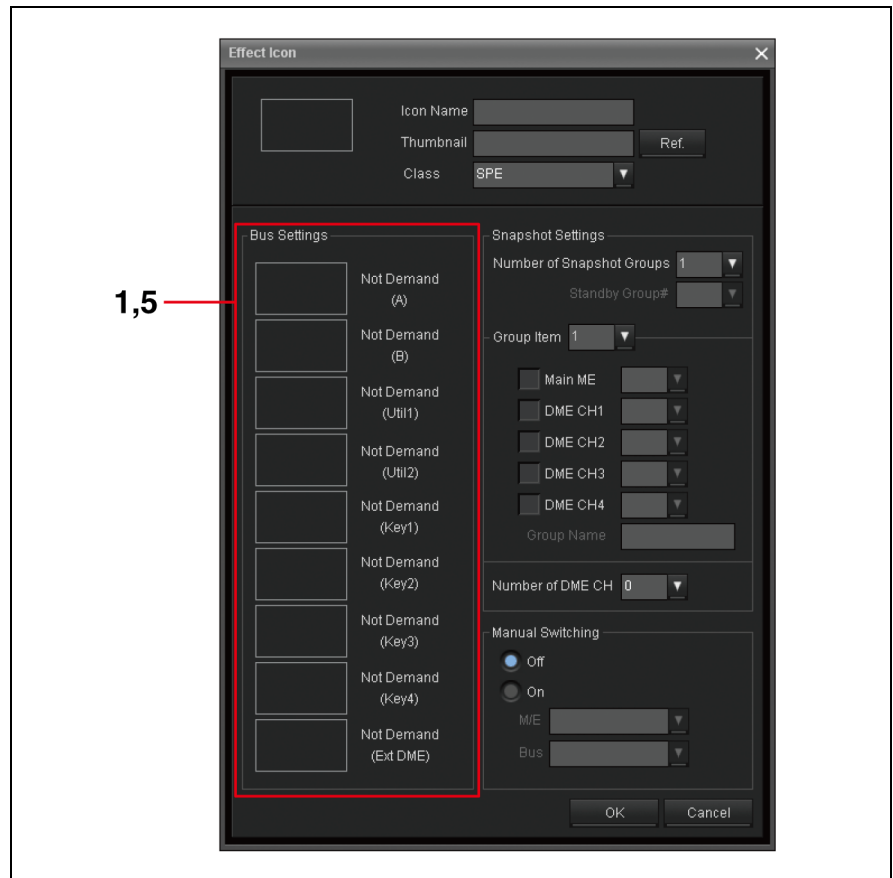
- 3 In the Manual Switching block, set the manual switching you will use in the Effect Icon.

*For details, see “Preparing for Manual Switching” (page 113).*

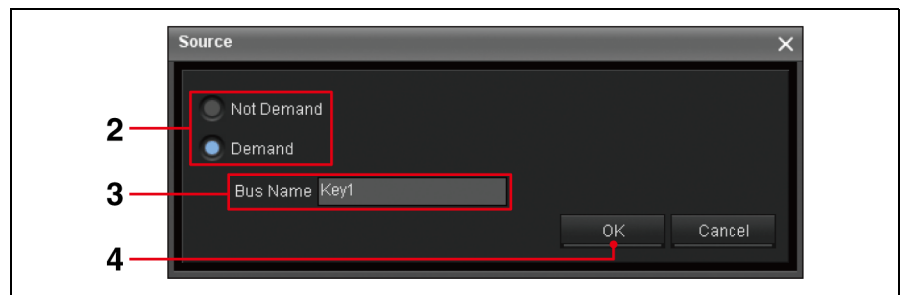
### Setting in the source window

The Source window allows you to change the source settings of the bus.

- 1 Double click on the desired thumbnail in the Bus Settings block on the Effect Icon window.



The Source window of the selected bus is displayed.



**2** Select whether you will use the bus image in performing effects.

- **Not Demand:** Select this option when you do not want to use the bus image. When you set an image in Cue Edit, you will not be prompted to select a Bus image.
- **Demand:** Select this option to use the Bus image in the image mix effect. When you set an image in Cue Edit, you will be prompted to select an image for the Bus.

**3** Input the desired bus name of up to 8 alphanumeric characters in the Bus Name text box.

**4** Click [OK].

The settings take effect. The Source window is closed. The Effect Icon window is displayed again.

- 5 Select the desired bus in the Bus Settings block, and repeat steps 2 through 4 to make the settings.

All the available buses to be used with the switcher are displayed. To change the settings, double-click on the thumbnail display block on the bus to display its source window.

Display examples	Descriptions
	The A bus is used. The bus name is displayed if it is specified. In the Cue Edit window, you will be prompted to select a Video Icon.
	The A bus is not used. A bus name will not be displayed even if it is specified. Instead, Not Demand is displayed.
	The A bus is used. The bus name is displayed if it is specified. Manual Switching is associated with the A bus.

## Editing Icons

This section explains how to edit the settings of an Icon.

- 1 Click the desired tab, Video, Audio, Transition, or Effect, in the Icon Manager.  
The window for the selected tab is displayed.
- 2 Click the desired Icon in the Icon Library, and click [Edit].  
Or, right-click on the desired icon in the Icon Library, and select [Edit] from the menu displayed.  
The Icon setting window is displayed.

### Note

You cannot edit an Icon in the Icon List.

- 3 Perform the desired settings.  
*For details, see “Setting Icons” (page 70).*
- 4 Click either of the two to execute the settings.
  - **Save:** Saves the settings, overwriting the existing Icon. The Icons in the Icon List is updated, reflecting the changes.  
When saving is complete, the [Save] button becomes disabled.
  - **Save as:** Adds a new Icon to the Icon Library.

## Deleting Icons

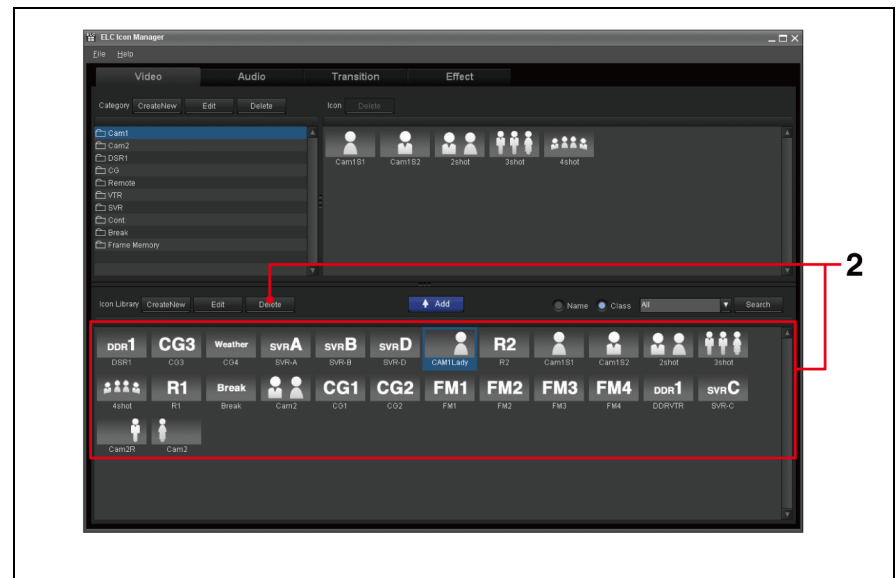
This section explains how to delete an Icon from the Icon Library.

### Notes

- When you delete an Icon belonging to a category in the Icon Library, the Icon will also be deleted from the category.
- Once an Icon is deleted, you cannot select it when creating a new cue. Even if it has already been used in an existing cue, you can still continue to use the Icon.

- 1 Click the desired tab, Video, Audio, Transition, or Effect, in the Icon Manager.

The window for the selected tab is displayed.



- 2 Click the desired Icon in the Icon Library, and click [Delete].  
Or, right-click on the desired icon in the Icon Library, and select [Delete] from the menu displayed.

A confirmation dialog box is displayed.

- 3 Click [OK].

The Icon is deleted from the Icon Library.

# Managing Categories

This section explains how to create and set in detail a category for classifying icons. You can also edit, move or delete a created category.

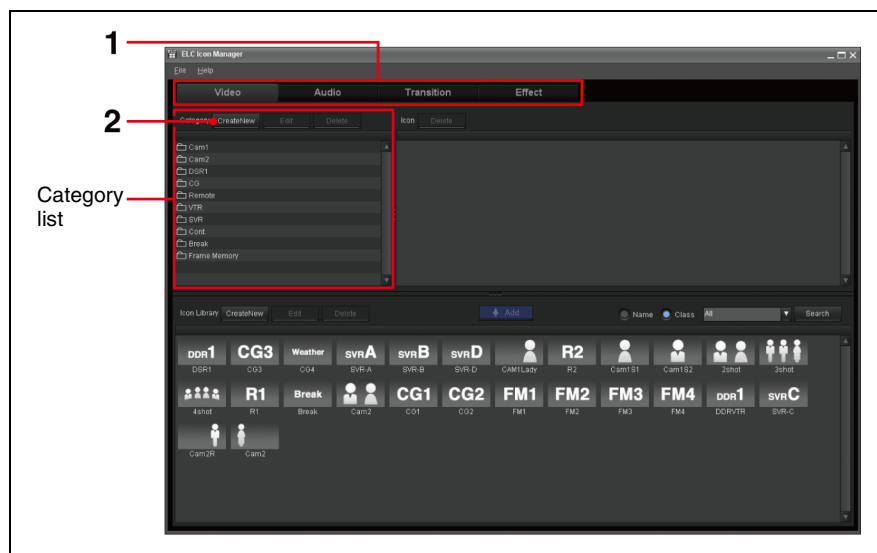
## Creating Categories

This section explains how to create categories to store Icons.

For details of each category setting, see “Setting Categories” (page 82).

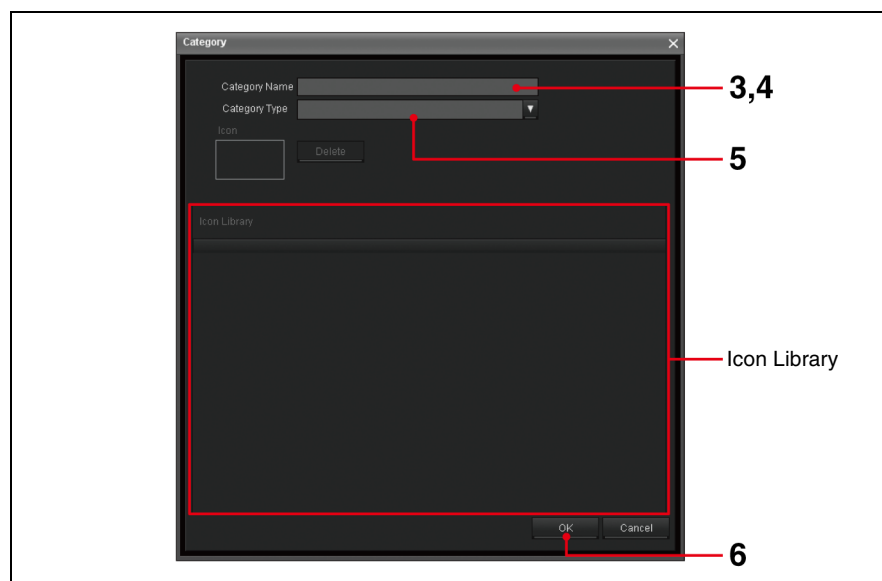
- 1 Click the desired tab, Video, Audio, Transition, or Effect, in the Icon Manager.

The window for the selected tab is displayed.



- 2 Click [Create New] in the Category List.  
Or, right-click on the Category List, and select [Create New Category] from the menu displayed.

The category setting window is displayed.



- 3 Click the Category Name text box to make the box in the input mode.
- 4 Input the desired name of up to 25 alphanumeric characters in the Category Name text box.
- 5 When you create a Video or Audio category, select the desired category type from the Category Type drop-down list box.

According to the category type selected here, the Icons are automatically selected and displayed in the Cue Edit window when you select a category.

#### Notes

- Once you select a category type, the relevant Icons are automatically selected and displayed in the Icon Library. You cannot register an Icon in the Icon Library manually.
- For Transition and Effect categories, category type setting is not necessary.

*For details, see “Setting Categories” (page 82)*

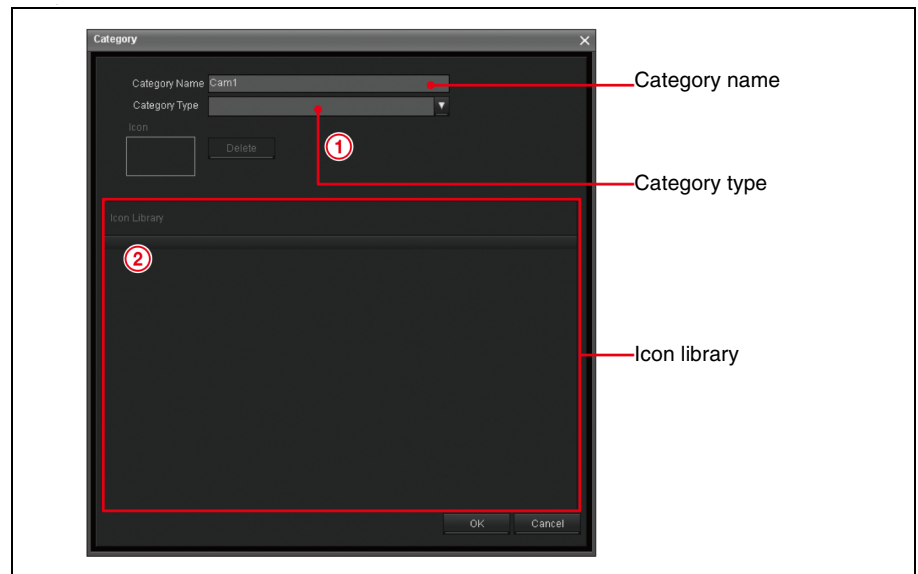
- 6 Click [OK].  
The category is added to the end of the Category List.

## Setting Categories

When you create a category, you can select the following category types:

### To create a category for free registration

This category is used to register Icons freely. (For Audio and Video Icons)  
To create a category, select Blank for the category type(①).



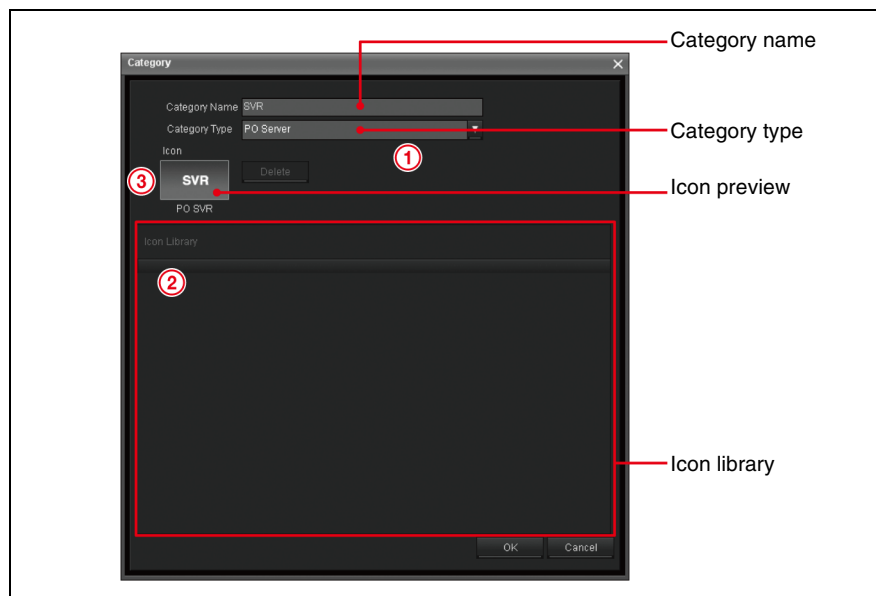
In the Icon Library (②), nothing is displayed. Setting an icon here is not necessary.

When this type of category is selected in Cue Edit window, user-registered Icons are displayed.

## To create a category designed for PO (Playout) Server:

This category is used to contain Icons classified as PO Server. (For Video and Audio Icons)

To create a category for PO Server, select PO server for the category type (①).



In the Icon Library (②), nothing is displayed.

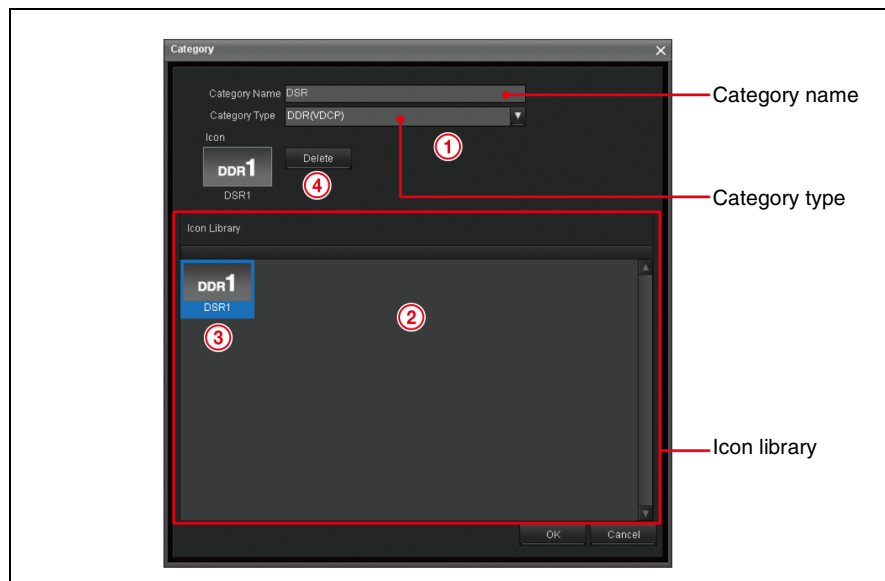
In the Icon preview, video and audio Icons whose class is PO Server supplied by the system will be displayed automatically (③). No setting an icon is necessary.

When this type of category is selected in Cue Edit, the PO Server icons for all channels prepared by the system are displayed.

## To create a category designed for DDR(VDCP)

This category is used to contain the files of the devices whose class is DDR(VDCP). (For Video Icons)

To create a DDR(VDCP) category, select DDR(VDCP) for the category type(①).

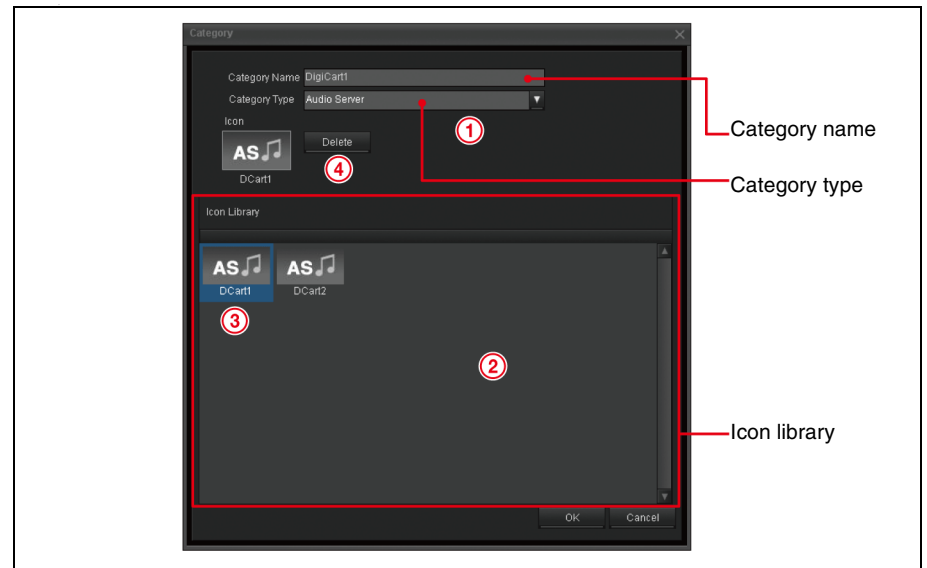


In the Icon Library(②), Icons classified as DDR(VDCP) are displayed. Select the Icon whose registered file list you want to use (③). To delete the setting, click [Delete] (④) next to the Icon preview.

## To create a category designed for Audio Server

This category is used to contain the files of the devices whose class is Audio Server. (For Audio Icons)

To create an Audio Server category, select audio server for the category type (①).

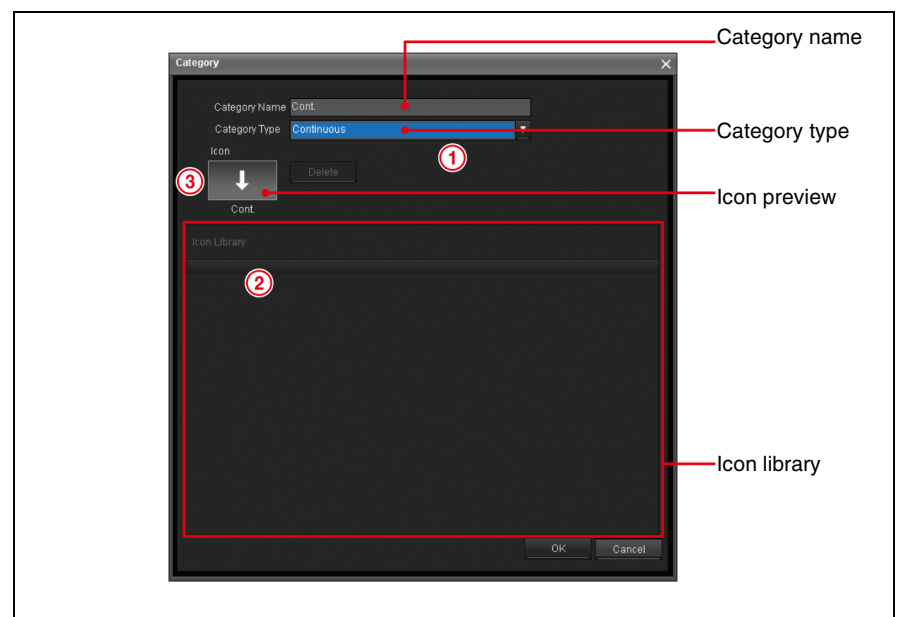


In the Icon Library (②), Icons classified as Audio Server are displayed. Select the Icon whose registered file list you want to use (③). To delete the setting, click [Delete] (④) next to the icon preview.

## To create a category designed for Continuous

This category is used to contain the Continuous icons. (For Audio and Video Icons)

To create a Continuous category, select Continuous for the category type (①).





In the Icon Library (②), nothing is displayed.

In the Icon preview (③), Video and audio Icons whose class is Continuous supplied by the system will be displayed automatically. No settings on the icon are necessary.

When this type of category is selected in Cue Edit, the Continuous icons supplied with the system are displayed.

## Editing Categories

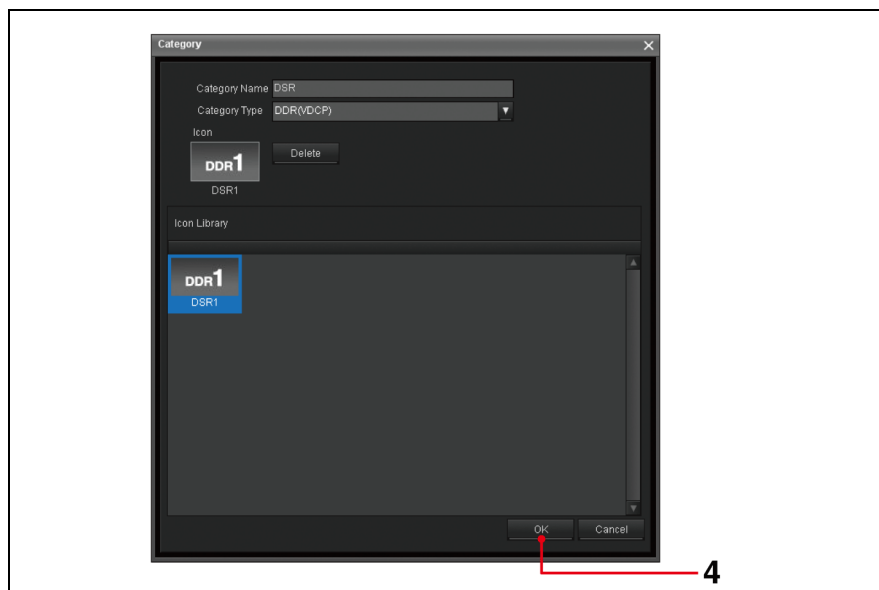
This section explains how to change the category settings.

- 1** Click the desired tab, Video, Audio, Transition, or Effect, in the Icon Manager.

The window for the selected tab is displayed.

- 2** Click the desired category in the Category List, and click [Edit].  
Or, right-click on the desired category in the Category List, and select [Edit] from the menu displayed.

The category setting window is displayed.



- 3** Perform the required settings.

*For details, see the steps 3 through 5 of “Creating Categories” (page 81).*

- 4** Click [OK].

The settings take effect. The Category List reflects the changes.

## Moving Categories

This section explains how to move a category within the Category List.

- 1 Click the desired tab, Video, Audio, Transition, or Effect, in the Icon Manager window.

The window for the selected tab is displayed.

- 2 Drag the desired category and drop it to the desired position in the Category List.

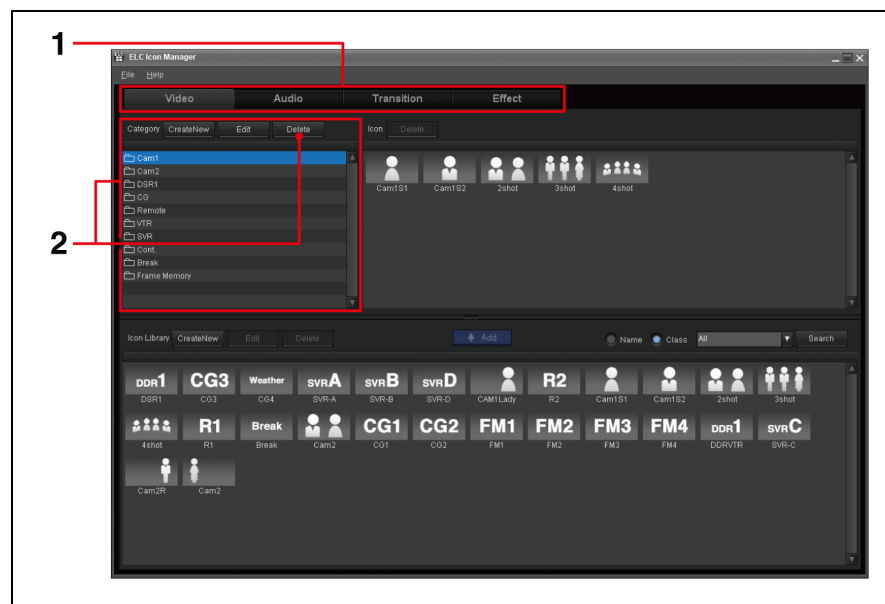
The category is moved.

## Deleting Categories

This section explains how to delete a category from the Category List.

- 1 Click the desired tab, Video, Audio, Transition, or Effect, in the Icon Manager window.

The window for the selected tab is displayed.



- 2 Click the desired category in the Category List, and click [Delete].  
Or, right-click on the desired category in the Category List, and select [Delete] from the menu displayed.

A confirmation dialog box is displayed.

- 3 Click [OK].

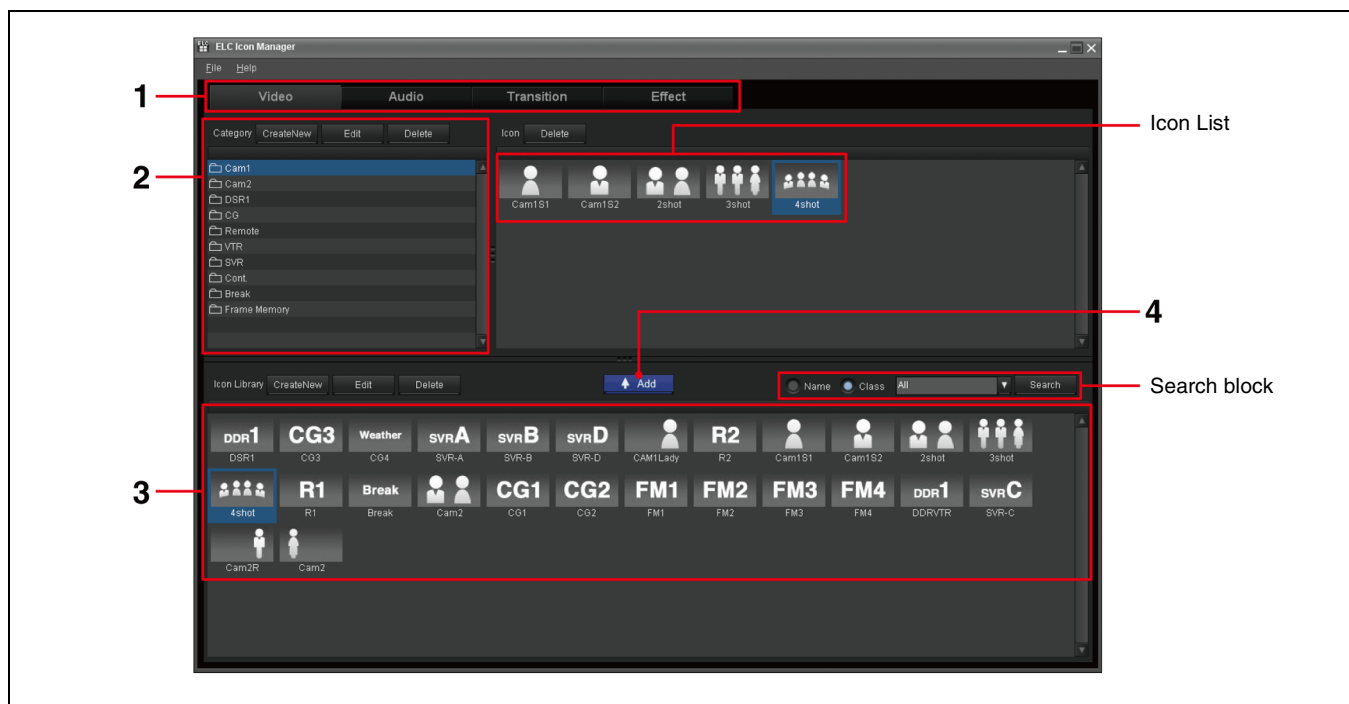
The category is deleted from the Category List.

# Registering an Icon in a Category

This section explains how to register an Icon in a category. By categorizing Icons, you can display necessary Icons in the Cue Edit window, making Icon selection easier.

- 1 Click the desired tab, Video, Audio, Transition, or Effect, in the Icon Manager window.

The window for the selected tab is displayed.



- 2 Click the desired category in the Category List.

The Icons currently registered in the category appear in the Icon list.

- 3 Click the Icon that you want to add to the category in the Icon Library.

## To search for an Icon in the Icon Library

You can locate a desired Icon by using the search function of the window.

- ① Check the desired check box from Name, or Class that you want to use for searching for Icons.
- ② When you select Name, enter the desired Icon name in the text box. When you select Class, select the desired class from the list box.

*For the details of Class, see explanations of each icon in “Setting Icons” (page 70).*

- ③ Click [Search].

The Icons found are added to the Icon Library.

- 4 Click [ADD].

The selected Icon is registered to the category and added to the end of the Icon List.

## Notes

- Once an Icon is registered in a category, you cannot move it to another category. To register the identical Icon to another category, add it from the Icon Library.
- You cannot add an Icon to a category whose category type is specified.

## Moving an Icon within a Category

- 1 Click the desired tab, Video, Audio, Transition, or Effect, in the Icon Manager window.

The window for the selected tab is displayed.

- 2 Click the desired category in the Category List.

The Icons currently registered in the category appear in the Icon List.

- 3 In the Icon List, drag an Icon and drop it to the desired position.

The Icon is moved.

## Deleting Icons from a Category

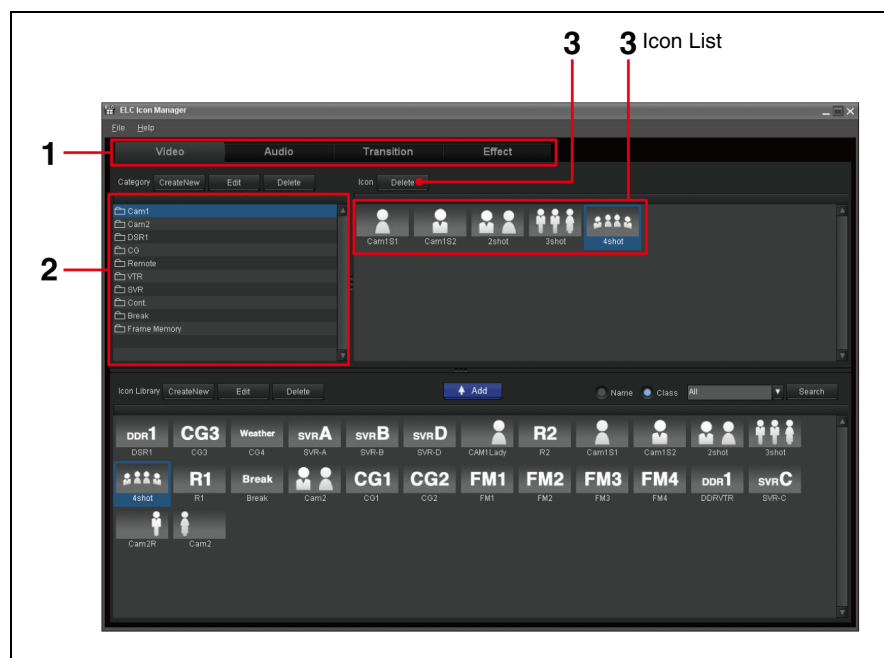
This section explains how to delete an Icon from a category. In this case, the Icon itself is not deleted, so the same Icon in another category or in the Icon Library is not deleted.

### Note

You cannot delete an Icon from a category whose category type is specified.

- 1 Click the desired tab, Video, Audio, Transition, or Effect, in the Icon Manager window.

The window for the selected tab is displayed.



## 2 Click the desired category in the Category List.

The Icons currently registered in the category appear in the Icon list.

## 3 Click the desired Icon in the Icon List, and click [Delete]. Or, right-click on the desired Icon in the Icon List, and select [Delete] from the menu displayed.

A confirmation dialog box is displayed.

## 4 Click [OK].

The Icon is deleted from the Icon List.

## List of Required Settings in Icon Creation and Category Registration

Depending on the type or class of an Icon, the following settings are required in creation, classification, and categorization.

Icons type	Class	Creating an Icon	Creating a category	Registering an Icon in a category
Video	Camera	An Icon should be created for each Video input.	You can create categories freely.	Required
	CG/Still Store	An Icon should be created for each Video channel.	You can create categories freely.	Required
	DDR(VDCP)	An Icon should be created for each Video channel.	Category type should be specified.	Not required
	DDR(SonyVTR)	An Icon should be created for each Video input.	You can create categories freely.	Required
	Continuous	Not required. The Icon is supplied by the system.	Category type should be specified.	Not required
	Ext/Others	An Icon should be created for each Video input.	You can create categories freely.	Required
	Frame Memory	An Icon should be created for each Video input.	You can create categories freely.	Required
	PO Server	An Icon should be created for each Video input.	Category type should be specified.	Not required
	Remote	An Icon should be created for each Video input.	You can create categories freely.	Required
Audio	Audio Server	An Icon should be created for each Audio input.	Category type should be specified.	Not required
	CG/Still Store	Not required. An Icon is created automatically with the Video Icon.	You can create categories freely.	Required
	DDR(VDCP)	Not required. An Icon is created automatically with the Video Icon.	You can create categories freely.	Required
	DDR(SonyVTR)	Not required. An Icon is created automatically with the Video Icon.	You can create categories freely.	Required
	Continuous	Not required. The Icon is supplied by the system.	Category type should be specified.	Not required
	Ext/Others	An Icon should be created for each Audio input.	You can create categories freely.	Required
	PO Server	Not required. An Icon is created automatically with the Video Icon.	Category type should be specified.	Not required
	Remote	Not required. An Icon is created automatically with the Video Icon.	You can create categories freely.	Required

Icons type	Class	Creating an Icon	Creating a category	Registering an Icon in a category
Transition	Mix	Icon creation is required.	You can create categories freely.	Required
	NAM			
	Super Mix			
	Wipe Snapshot			
	DME Wipe Snapshot			
	User Programmable DME			
	Resizer DME Wipe			
	Macro			
	Preset Color Mix			
Effect	SPE	Icon creation is required.	You can create categories freely.	Required

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## Starting the ELC Plug-in Application

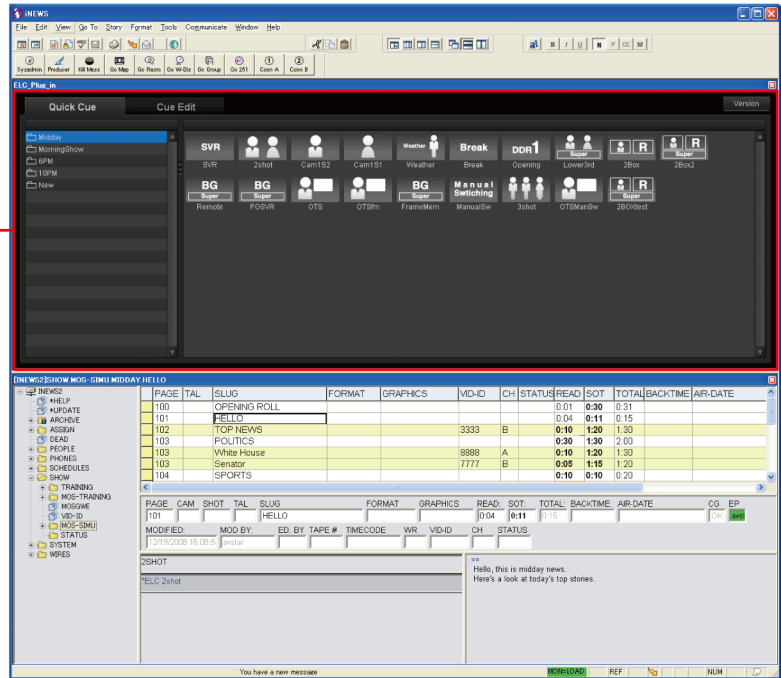
The ELC Plug-in application, working as a plug-in application for the NRCS client window, allows you to create and edit a cue. By registering a frequently-used scene as a cue, you can improve the efficiency of playlist creation. The ELC Plug-in application provides the following two applications:

- **Quick Cue:** Allows you to create a cue by registering the settings of frequently-used scenes.
- **Cue Edit:** Allows you to edit a cue created in Quick Cue.

- 1** Start the NRCS client window.
- 2** Depending on the NRCS client software you use, start the ELC Plug-in application as follows:
  - iNEWS: Click [Tools ] > [Plug-in] > [ELC Plug-in] from the menu bar.
  - ENPS: Click the rover (green dot) of the Media Control icon on the bottom bar of the ENPS client window, and select [ELC Plug-in] from the displayed menu.

The ELC Plug-in window is displayed. (The window below is the iNEWS window.)


## ELC Plug-in window



### Tip

You can start as many ELC Plug-in applications simultaneously on different computers as the number of licenses you have.

## Exiting the ELC Plug-in Application

- 1 Click  on the upper right of the ELC Plug-in window.  
The ELC Plug-in application is closed.

### Note

If you do not save the settings, the revisions do not take effect.



# Managing Cues

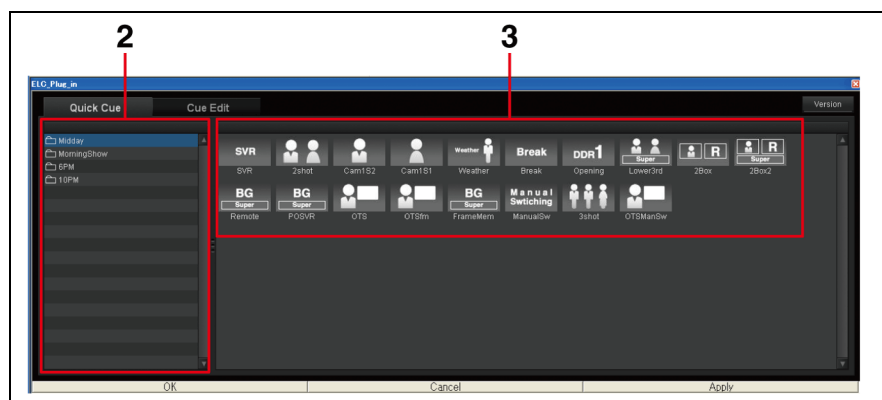
This section explains how to create a cue, setting its details, move or delete a cue, or copy a cue.

## Creating a Cue

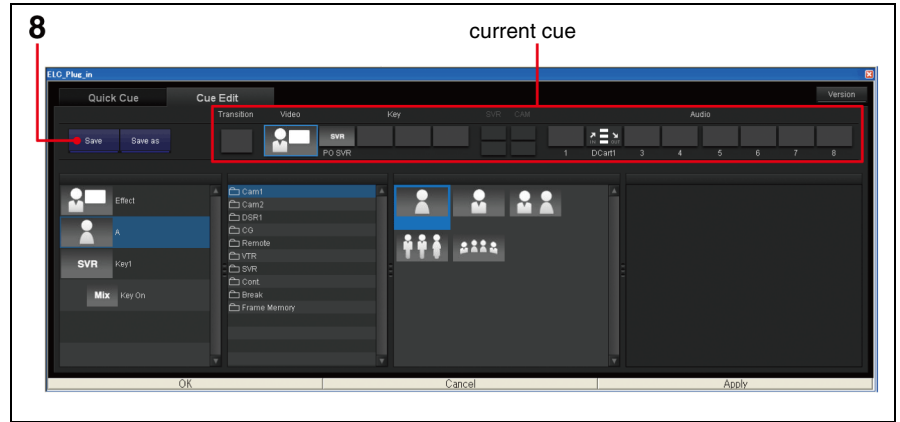
This section explains how to create cues to be used in a playlist. If there is no folder to contain cues, first create a folder.

For details, see “Creating a Cue Folder” (page 106).

- 1** Click the Quick Cue tab of the ELC Plug-in window.  
The Quick Cue window is displayed.
- 2** From the cue folder list, click the folder in which you want to create and save a new cue.  
The cues contained in the folder are displayed.



- 3** Right-click on the blank space of the cue list block, and click [Create New Cue] from the menu displayed.  
The Rename dialog box is displayed.
- 4** Input the desired name of up to 8 alphanumeric characters for a cue.
- 5** Click [OK].  
A new cue is created at the end of the cue list.
- 6** Right-click on the new cue, and click [Edit] from the menu displayed.  
The Cue Edit window is displayed. The new cue is loaded into the window as the current cue.



## 7 Make the required settings for a new cue.

*For details, see “Details of Settings” below.*

### To delete Icons in the Cue Edit window

You can delete an Icon in the list of the settings to be changed and current cue.

- ① Right-click on the Icon that you want to delete, and select [Delete] from the menu displayed.  
A confirmation dialog box is displayed.
- ② Click [OK].  
The Icon is deleted in the list of the settings to be changed and current cue.

## 8 Click [Save].

## Details of Settings

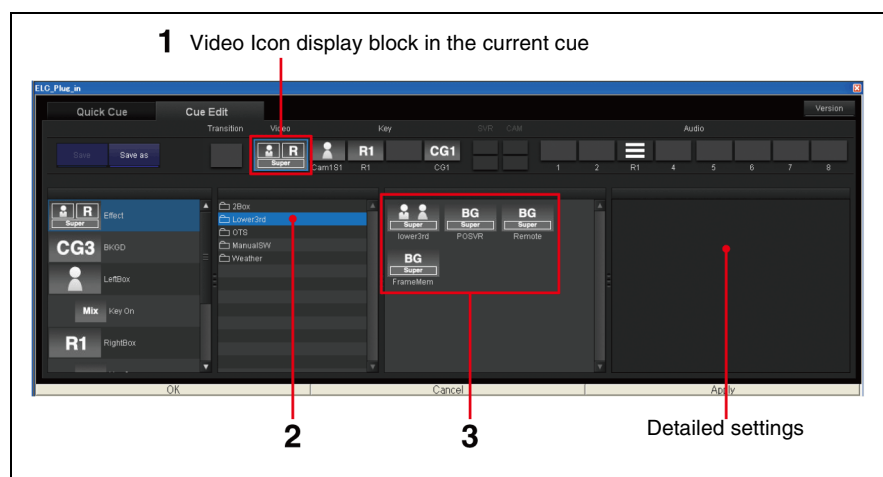
### Setting Effect

You can set an Effect Icon in a new cue or an existing cue being displayed as the current cue in the Cue Edit window.

- 1 Click the Video Icon display block in the current cue.
- 2 Click the desired category in the category list.

In the category list, the effect categories created in the Icon Manager are displayed.

When a category is selected, the Icons in the selected category are displayed in the Icon list.



- 3 Select the desired Icon in the Icon list.

The Icons classified in the effect category are listed.

When you select an Icon, the detailed settings block is updated to show the items for the selected Icon.

*For selecting a Video Icon for each bus displayed on the list of the settings to be changed, follow the procedures described in “Setting Video” (page 95).*

*For each Key detailed settings, follow the procedures described in “Setting Keys” (page 98).*

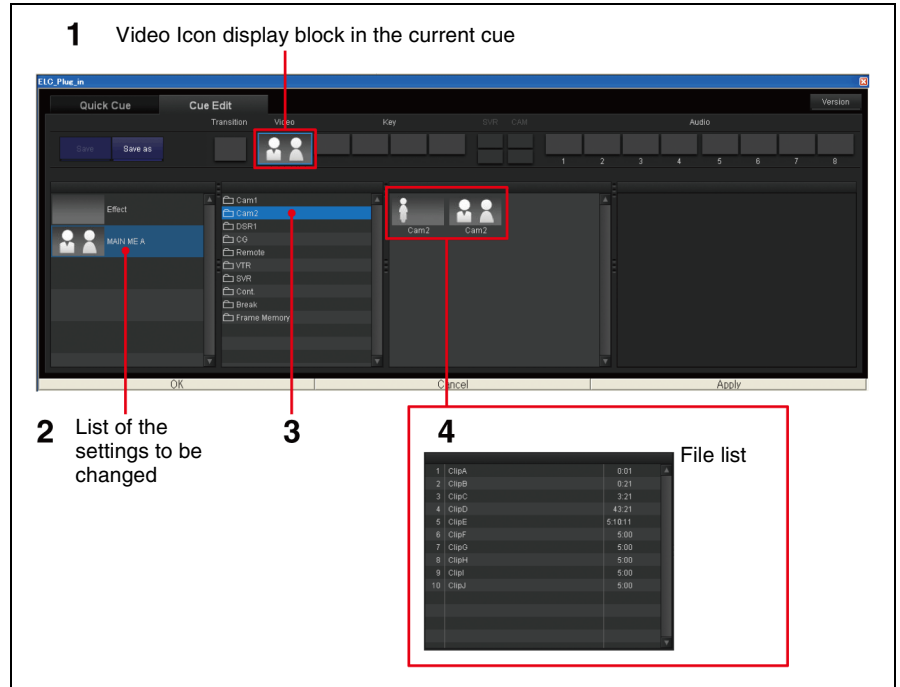
### Setting Video

You can set a Video Icon in a new cue or an existing cue being displayed as the current cue in the Cue Edit window.

- 1 Click the Video Icon display block in the current cue.
- 2 Click the desired bus in the list of the settings to be changed.
- 3 Click the desired category in the category list.

In the category list, the video categories created in the Icon Manager are displayed.

When a category is selected here, the Icons in the selected category are displayed in the Icon list.



#### 4 Select the desired Icon in the Icon list.

Category type	Descriptions
Continuous	The Continuous icons supplied by the system are displayed. <i>For details, see "Continuous" on page 66.</i>
DDR(VDCP)	DDR(VDCP) files registered in the file list with the Initial Setup are displayed.
PO Server	PO Server icon for all the channels supplied by the system are displayed. <b>Tip</b> Do not specify files, but select a PO Server icon for all channels only. The channel will be assigned on the NRCS client window.
Others	The Icons registered in the selected category are displayed.

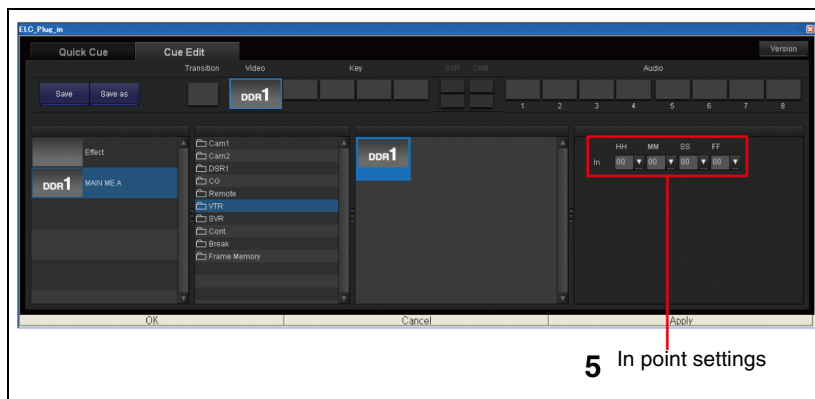
The selected Icon is displayed in both the current cue and the list of settings to be changed.

#### 5 Depending on the settings made in previous steps, change the detailed settings.

##### ☐ When you select a Video Icon classified as DDR(SonyVTR) in step 3

A detailed block for setting the IN point is displayed. Specify the IN point of the video materials. Select the desired time codes from the drop-down list boxes for the IN point in the HH:MM:SS:FF format.

Option	Descriptions
HH	00 - 23
MM	00 - 59
SS	00 - 59
FF	00 - 29 or 00 - 24 depending on the system you are using.



5 In point settings

### ❑ When you select bus A or bus B in step 2

A block for setting Side Flag is displayed. If necessary, make the Side Flag settings.

Option	Descriptions
On	Enables the Side Flag function. At both sides of a 4:3 source image, Util1 images are displayed so that the aspect ratio of the image becomes 16:9.
Off	Disables the Side Flag function. The input image is used as it is.



5 Side Flag settings

### Tips

- To change the Side Flag settings for the NEXT Cue just before the on-air operation, you can execute the Side Flag function by assigning it to the Shot Box Module. This change in the settings on the Shot Box Module, however, is not reflected in the Cue Edit window.  
*For details, see “Assigning Functions to the Shot Box Module Buttons” on page 54*
- When you want to use the same Util1 image without changing it for cues, use the Initial Snapshot setting.

### Notes

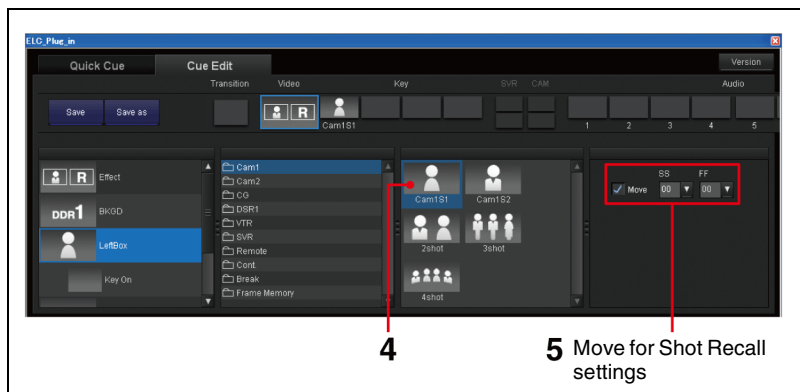
- When you use the Side Flag function for a cue where multiple snapshots (2box) or manual switching is specified, the Side Flag function may not work properly when switching as specified in the Cue Edit window. Make sure to arrange a rehearsal in advance.
- For inputs where you may activate the Side Flag function, set the video switcher so that the aspect ratio is 4:3. When you set the aspect ratio to 16:9, you cannot add the Side Flags even if the Side Flag function is set to On in the Cue Edit window.

### ❑ When you select a Camera Icon for which the Shot Recall is set in step 4

A block for setting the Move for Shot Recall of Camera is displayed. If necessary, adjust the speed by setting the Move duration.

To enable the Move function for Shot Recall with the TAKE operation, put a check mark in the Move check box. Then select the desired duration for moving the current camera position to the next position for the next shot in the SS:FF format:

Option	Descriptions
SS	00 - 59
FF	00 - 29 or 00 - 24 depending on the system you are using.



#### Note

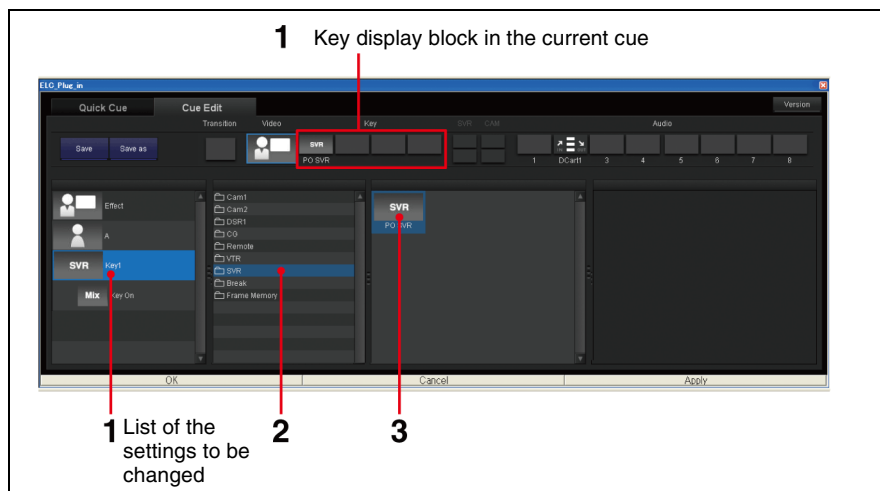
When you want to specify the start point for moving in advance, create a cue where the start point is specified before the cue with the Move setting.

## Setting Keys

Key is automatically set to On. (Key Off setting is not available.)

- 1 Click the Key display block in the current cue.

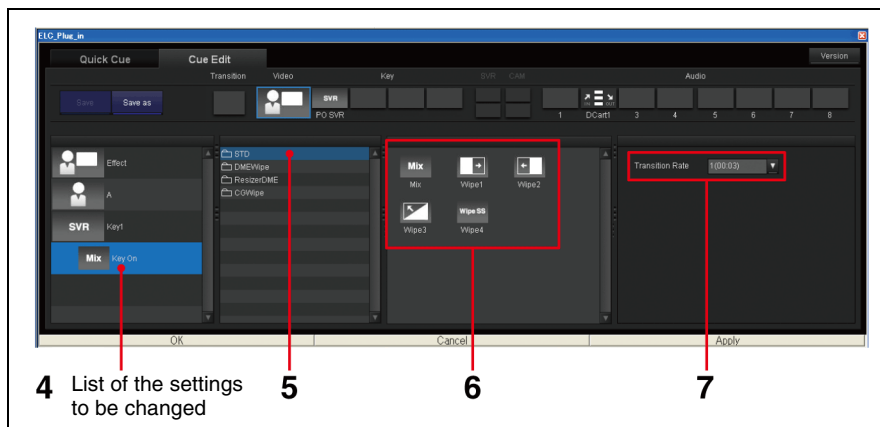
The Key Bus icon is being selected on the list of settings to be changed.



- 2 Click the desired category in the category list.

When a category is selected here, the Icons in the selected category are displayed in the Icon list.

- 3 Select the desired Video Icon in the Icon list.
- 4 Click the desired Key Bus display block in the second layer on the list of the settings to be changed.



- 5 Click the desired category in the category list.

In the category list, the transition categories created in the Icon Manager are displayed.

When a category is selected, the Icons in the selected category are displayed in the Icon List.

- 6 Select the desired Icon in the Icon List.

The Icons classified in the transition category are listed.

- 7 Select the desired transition rate from the drop-down list box in the Transition Rate block.

Option	Descriptions
1(SS:FF)	Transition in the period set as “1” in the Initial Setup application.
2(SS:FF)	Transition in the period set as “2” in the Initial Setup application.
3(SS:FF)	Transition in the period set as “3” in the Initial Setup application.
4(SS:FF)	Transition in the period set as “4” in the Initial Setup application.

For details, see “Specifying the Transition Rate Options” on page 46.

### Adjusting the keys

Set the key type (chrome key/luminance key) or adjust the key modifier with either of the following operations:

- Using the key memory of the video switcher
- Setting the type to the snapshot

## Setting Audio

You can set an Audio Icon in a new cue or an existing cue being displayed as the current cue in the Cue Edit window.

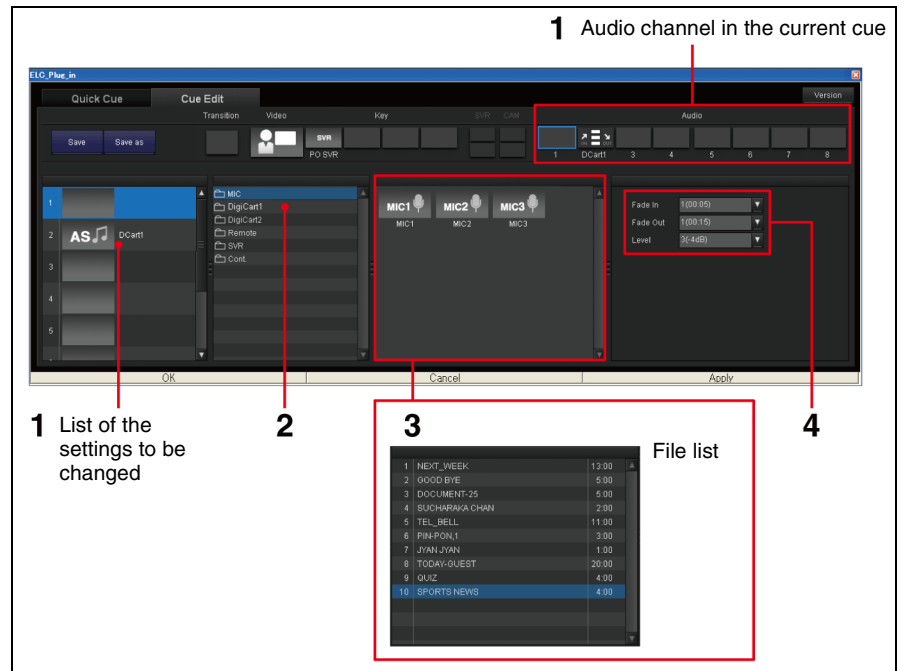
- 1 Click the audio channel display block in the current cue.

The desired audio channel is being selected on the list of settings to be changed.

## 2 Click the desired category in the category list.

In the category list, the audio categories created in the Icon Manager are displayed.

When a category is selected, the Icons or the files in the selected category are displayed in the Icon list or in the file list.



## 3 Select the desired Icon in the Icon list.

Category type	Descriptions
Audio Server	Audio Server files registered in the file list with the Initial Setup are displayed.
PO Server	PO Server icon for all the channels supplied by the system are displayed. <b>Tip</b> Do not specify files, but select a PO Server icon for all channels only. The channel will be assigned on the NRCS client window.
Continuous	The Continuous icons supplied by the system are displayed. <i>For details, see "Continuous" on page 66.</i> <b>Note</b> The Fade In/Fade Out and Level settings are not retained, so you should make those settings for the NEXT cue.
Others	The Icons registered in the selected category are displayed.

The selected Icon is displayed in both the list of settings to be changed and the current cue. The detailed settings is activated only when an Audio Icon or file is set for the selected audio number.

### Note

You cannot use the audio material of a DDR(VDCP) or DDR(SonyVTR) Icon separately, since DDR(VDCP) and DDR(SonyVTR) Icons are shared with a video. If you set the audio materials in an audio Icon, only XPT control of the audio mixer is available. To open a file, we recommend you set the audio materials in a video Icon.

## 4 If necessary, change the detailed settings.



- **Fade In:** Specify the fade in time from the following options:

Option	Descriptions
0(SS:FF)	Fade in zero second.
1(SS:FF)	Fade in the period set as “1” in the Initial Setup application.
2(SS:FF)	Fade in the period set as “2” in the Initial Setup application.
3(SS:FF)	Fade in the period set as “3” in the Initial Setup application.
4(SS:FF)	Fade in the period set as “4” in the Initial Setup application.

- **Fade Out:** Specify the fade out time from the following options:

Option	Descriptions
0(SS:FF)	Fade out in zero second.
1(SS:FF)	Fade out in the period set as “1” in the Initial Setup application.
2(SS:FF)	Fade out in the period set as “2” in the Initial Setup application.
3(SS:FF)	Fade out in the period set as “3” in the Initial Setup a location.
4(SS:FF)	Fade out in the period set as “4” in the Initial Setup application.

- **Level:** Specify the desired audio level from the following options:

Option	Descriptions
3 (xx dB) <sup>a)</sup>	The level set as “3” in the Initial Setup application is selected.
2 (xx dB) <sup>a)</sup>	The level set as “2” in the Initial Setup application is selected.
1 (xx dB) <sup>a)</sup>	The level set as “1” in the Initial Setup application is selected.
0 (−∞ dB)	The level is set at −∞ dB.
Manual	The mixer level at that point is selected.

a) xx: The value specified in the Initial Setup window.

- **MIX−:** Specify the desired port for MIX−. This option is effective only when a piece of material classified as Remote is selected.

Option	Descriptions
Off	MIX- is not be performed.
AUX 1 – AUX16	Specify the port from AUX 1 to AUX 16. When outputting from the selected port, PGM OUT excluding the selected audio will be output.

#### Note

Depending on the audio mixer you are using, there may be restrictions on using the AUX Bus.

## Setting Transition

You can set a Transition Icon in a new cue or an existing cue being displayed as the current cue in the Cue Edit window.

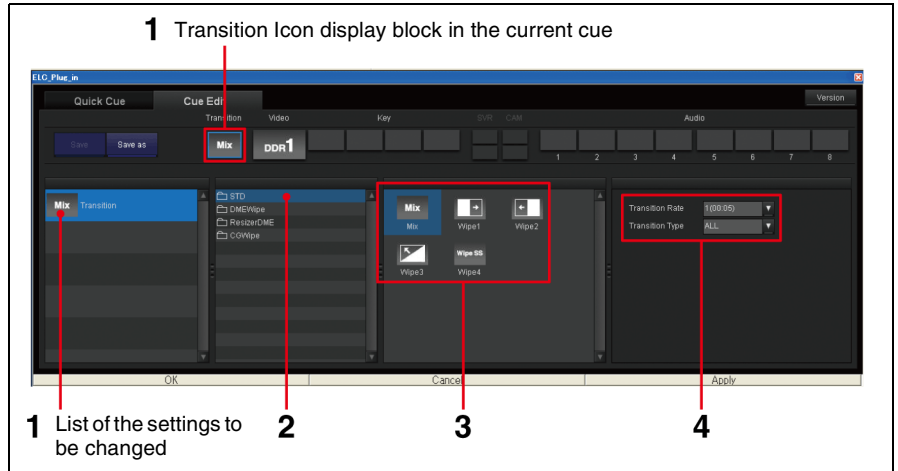
- 1 Click the Transition Icon display block in the current cue.

The desired Transition Icon display block is being selected on the list of settings to be changed.

- 2 Click the desired category in the category list.

In the category list, the transition categories created in the Icon Manager are displayed.

When a category is selected, the Icons in the selected category are displayed in the Icon list.



### 3 Select the desired Icon in the Icon list.

The Icons classified in the transition category are listed.

### 4 If necessary, change the detailed settings.

- **Transition Rate:** Specify the transition rate from the following options:

Option	Descriptions
1(SS:FF)	Transition in the period set as “1” in the Initial Setup application.
2(SS:FF)	Transition in the period set as “2” in the Initial Setup application.
3(SS:FF)	Transition in the period set as “3” in the Initial Setup application.
4(SS:FF)	Transition in the period set as “4” in the Initial Setup application.

For details, see “Specifying the Transition Rate Options” on page 46.

- **BKGD/ALL:** Select the transition region from the following options:

Option	Descriptions
BKGD	Among the images composing a cue, only the background image will transition.
ALL	The whole image comprising of a cue will transition. Usually, use this option.

## Editing a Cue Registered in Quick Cue

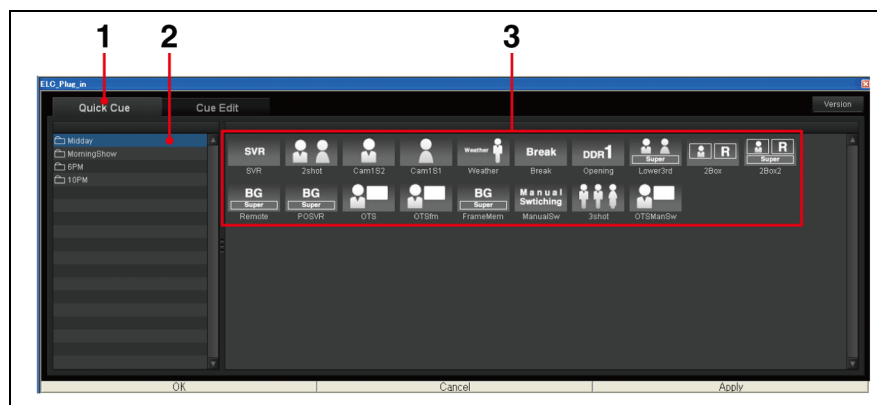
This section explains how to edit a cue already registered on the Quick Cue window.

- 1 Click the Quick Cue tab of the ELC Plug-in window.

The Quick Cue window is displayed.

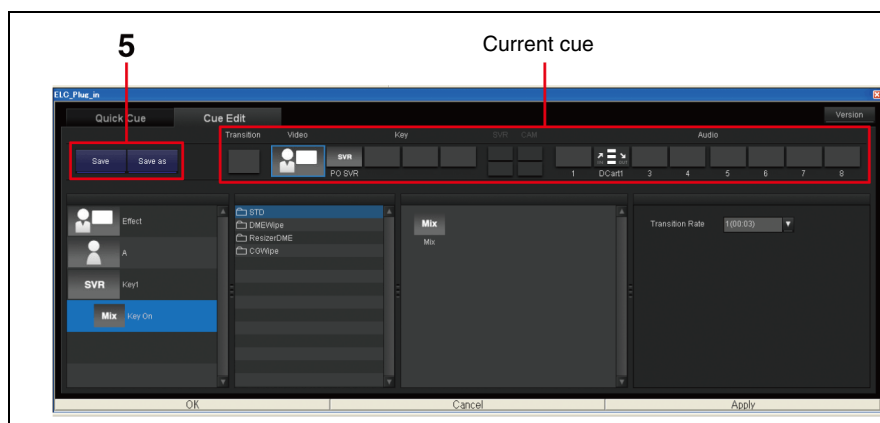
- 2 From the cue folder list of the Quick Cue window, click the folder which contains the cue that you want to edit.

The cues contained in the folder are displayed.



- 3 Right-click on the desired cue and select [Edit] from the menu displayed.

The Cue Edit window is displayed. The selected cue is loaded into the window as the current cue.



- 4 Make the required settings for the cue.

For details, see “Details of Settings” (page 95).

### To delete Icons in the Cue Edit window

You can delete an Icon in the list of the settings to be changed and current cue.

- ① Right-click on the Icon that you want to delete, and select [Delete] from the menu displayed.  
A confirmation dialog box is displayed.
- ② Click [OK].  
The Icon is deleted from the Cue Edit window.

- 5 Click either of the following two buttons to execute the settings.
  - **Save:** Saves the settings, overwriting the existing Cue.
  - **Save as:** Opens the dialog box used to input a new name. Input a new name and click [OK] so that a new Cue is added to the end of the Cue list.

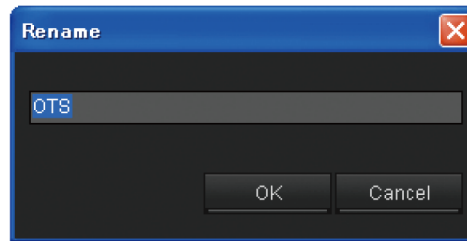
---

## Renaming a Cue

This section explains how to rename a cue on the Quick Cue window.

- 1 In the cue list block of the Quick Cue window, right-click the cue that you want to rename, and select [Rename] from the menu displayed.

The Rename dialog box is displayed.



- 2 Input the desired name of up to 8 alphanumeric characters for a cue.
- 3 Click [OK].

The cue is renamed and the Rename dialog box is closed.

---

## Deleting a Cue

This section explains how to delete a cue on the Quick Cue window.

- 1 In the cue list block of the Quick Cue window, right-click the cue that you want to delete, and select [Delete] from the menu displayed.

A confirmation dialog box is displayed.

- 2 Click [OK].

The cue is deleted.

---

## Moving a Cue within a Folder

This section explains how to move a cue so that the position it is displayed at changes within a folder.

- 1 In the cue list block of the Quick Cue window, drag the desired cue and drop it in the desired position in the cue list.

The cue is moved to the position where it was dropped.

### Note

You cannot select multiple cues at one time.

---

## Copying a Cue to Another Folder

This section explains how to copy a cue to another folder in the cue folders block in the Quick Cue window.

- 1 In the cue list block of the Quick Cue window, right-click the cue that you want to copy, and select [Copy] from the menu displayed.
- 2 From the cue folder list of the Quick Cue window, click the folder to which you want to copy the cue.

The cues contained in the folder are displayed.

- 3 Right-click on the blank space of the cue list block, and select [Paste] from the menu displayed.

The cue is copied at the end of the cue list.

# Managing Cue Folders

This section explains how to create cue folders so that you can classify cues and select appropriate cues easily when creating a playlist.

## Note

You cannot select multiple cue folders at one time.

## Creating a Cue Folder

This section explains how to create a cue folder in the cue folder list in the left block of the Quick Cue window.

- 1 Right-click on any cue folder or on blank space of the cue folder list block, and select [Create New Folder] from the menu displayed.

The Rename dialog box is displayed.

- 2 Input the desired name of up to 25 alphanumeric characters for a cue folder.
- 3 Click [OK].

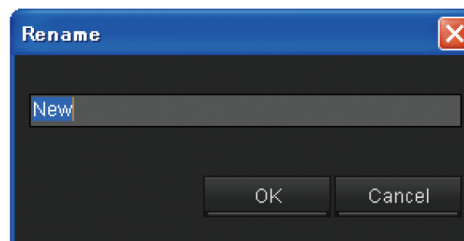
A new cue folder is created at the end of the cue folder list.

## Renaming a Cue Folder

This section explains how to rename a cue folder in the Quick Cue window.

- 1 In the cue folder list block of the Quick Cue window, right-click the cue folder that you want to rename, and select [Rename] from the menu displayed.

The Rename dialog box is displayed.



- 2 Input the desired name of up to 25 alphanumeric characters for a cue folder.
- 3 Click [OK].

The cue folder is renamed and the Rename dialog box is closed.

---

## Deleting a Cue Folder

This section explains how to delete a cue folder in the Quick Cue window.

- 1 In the cue folder list block of the Quick Cue window, right-click the cue folder that you want to delete, and select [Delete] from the menu displayed.

A confirmation dialog box is displayed.

- 2 Click [OK].

The cue folder is deleted. The cues contained in the cue folder are also deleted.

---

## Moving a Cue Folder

This section explains how to move a cue folder so that the position it is displayed at changes in the cue folder list.

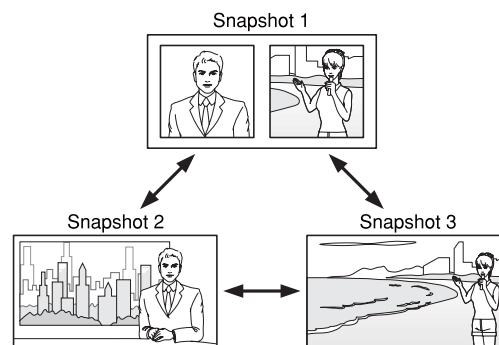
- 1 In the cue folder list block of the Quick Cue window, drag the desired cue folder and drop it at the desired position in the cue folder list.

The cue folder is moved to the position where it was dropped.

## Preparing for Switching Multiple Snapshots Manually (2Box)

This section explains how to prepare for an advanced on-air manual operation, switching multiple snapshots manually (2Box). This operation is useful to show images in a studio and at another location in 2-split screens, or show both images in full screen.

As in the example below, each or both of the images in two boxes can be recalled in full screen made alternately. To perform this operation, you must use three snapshots, each allocated to a button on the shot box module. By using the buttons on the shot box module, you can switch multiple snapshots during on-air operations.



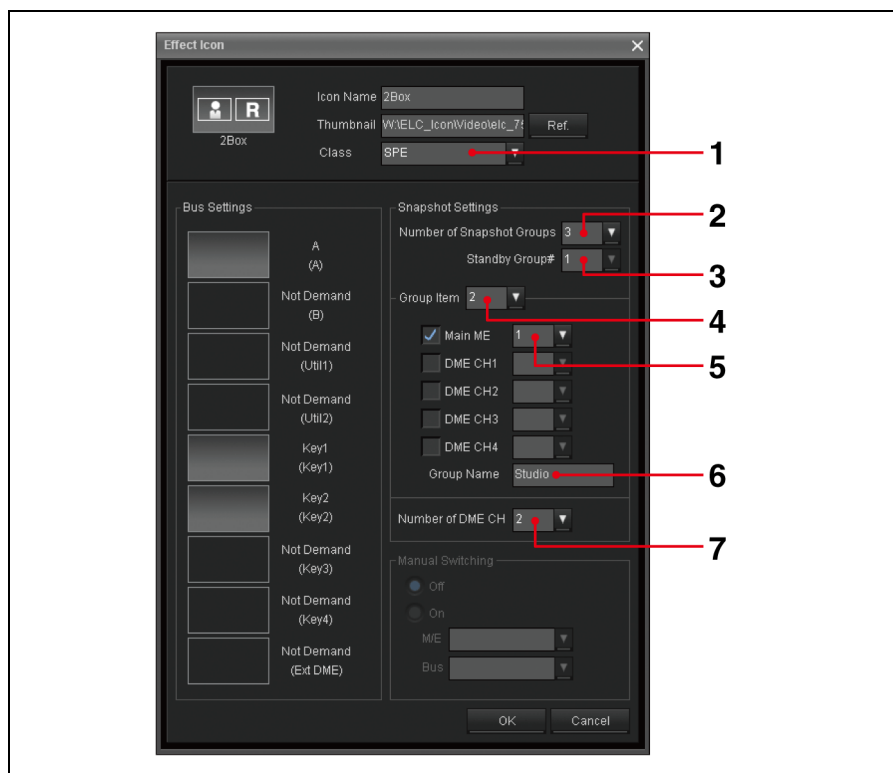


## Required Settings in the Icon Manager Application

This section explains how to create an Icon classified with SPE and set Snapshot in the Snapshot Settings block.

- 1 In the Icon Manager window, create an Effect Icon and select [SPE] from the Class drop-down list box.

*For details, see “Effect Icons” on page 76.*



- 2 Set the number of Snapshot Groups in the Snapshot Settings block.  
Specify the combination number of snapshots to be recalled by pressing the associated buttons on the shot box module.  
Select [3] from the Number of Snapshot Groups.
- 3 Select the Standby Group# in the Snapshot Settings block.  
Select which snapshot will be loaded for standby, and recalled first when the relevant cue is taken on the air.
- 4 Select the desired group from the Group Item Block drop-down list box.  
*For group selection, see “Required Settings in the Initial Setup Application” on page 110.*
- 5 For each group, check the places you use for Snapshots, select a snapshot number from the drop-down list box.
- 6 Click the Group Name text box to make it in the input mode, and enter a group name up to 8 alphanumeric characters.  
The name input here may appear on a button of the shot box module.

## Notes

- Although you can enter both capital and lower case letters here, the names will be shown in capital letters on the shot box module.
- Input a symbol “|”, so that a line break is inserted on the shot box module.

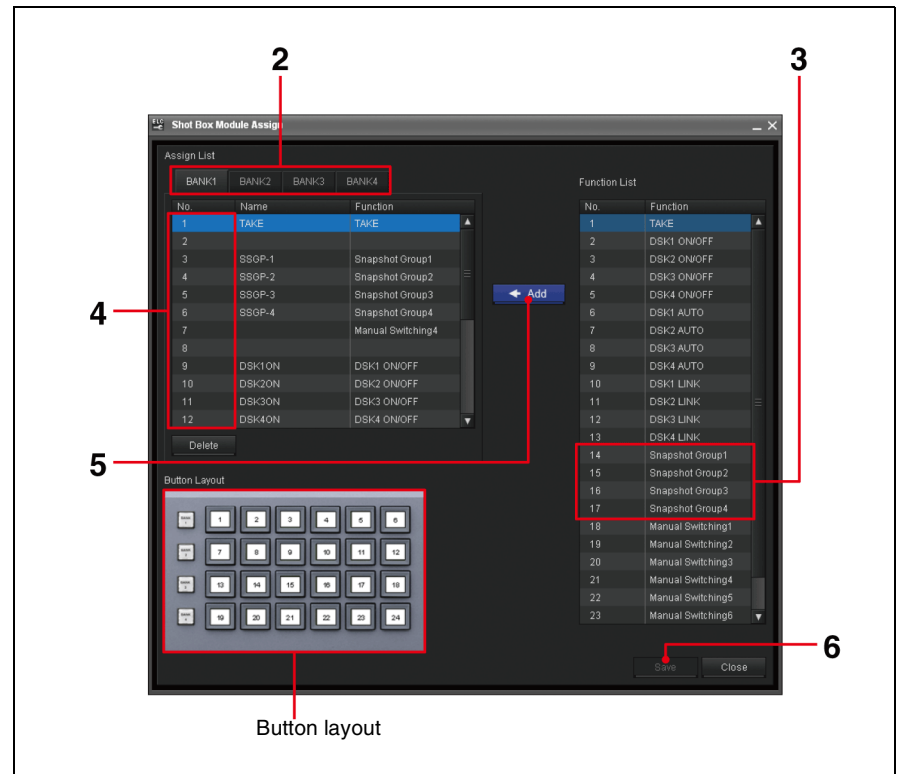
- 7** When you check DME CH 1 to 4 in step **5**, select the maximum number of DME you check from the Number of DME CH drop-down list box.

For saving, see “Effect Icon Window” on page 30.

## Required Settings in the Initial Setup Application

To switch multiple snapshots manually, you will use the shot box module and assign Snapshots to its buttons. This section explains how to assign the snapshots to the shot box module buttons.

- 1** In the Initial Setup window, click the Shot Box Module Assign sub menu.  
The Shot Box Module Assign window is displayed.



- 2** Select the tab corresponding to the bank to which you want to assign the functions.

The functions assigned to the buttons of the selected bank are displayed in the Assign List.

- 3** On the Function List, select Snapshot Group 1 through 4.

To select more than one function, hold down the Ctrl key, and click the desired functions.

To select all functions in a range, hold down the Shift key, and click the first and last functions in the range.

Function	Description
Snapshot Group 1 - 4	Recall the snapshot specified as the Snapshot Group 1 to 4. This option is set when you create an Effect Icon by pressing the shot box module buttons and recalling the combination of associated snapshots. <i>For details, see “Required Settings in the Icon Manager Application” on page 109.</i>

- 4 Select the number corresponding to the button to be assigned with the function on the Assign List.

Or, if you select more than one function in step **3**, select the lowest number of the buttons to which you want to assign the functions. In this case, the functions will be assigned to the buttons of the selected and the subsequent numbers.

- 5 Click [←ADD].

The selected function(s) are assigned to the button(s), and displayed on the Assign List.

In the Name column, the default name is displayed. You cannot edit the name. On the buttons on the shot box module, group names specified in the Effect Icon are displayed.

*For details, see “Required Settings in the Icon Manager Application” (page 109).*

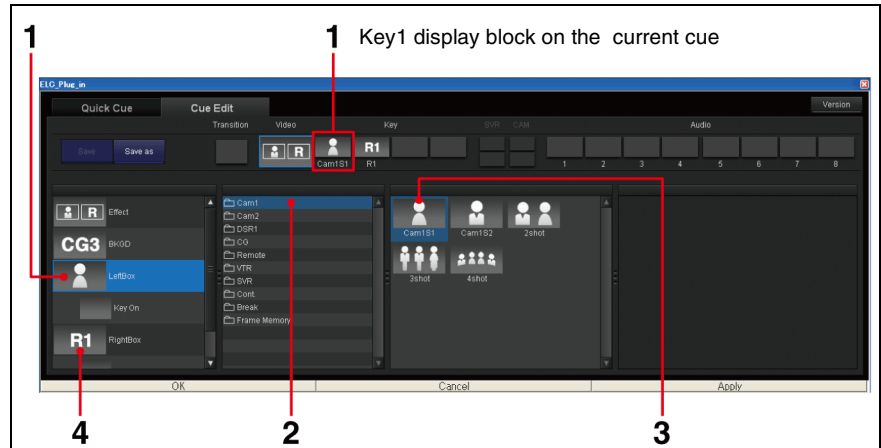
- 6 Click [Save] to save the modified settings.

## Required Settings in the ELC Plug-in Application

For example, to select source images for a video effect using two Keys, use the following procedure.

- 1 In the Cue Edit window, click the Key 1 display block on the current cue.

The selected Key Icon is highlighted both in the current cue and the list of the settings to be changed.



- 2 Click the desired category in the category list.

In the category list, the video categories created in the Icon Manager are displayed.

When a category is selected, the Icons in the selected category are displayed in the Icon list.

- 3 Select the Icon you created for switching multiple snapshots manually in the Icon list according to the purposes.

### Note

The video materials to be used will be identical for all the snapshots.

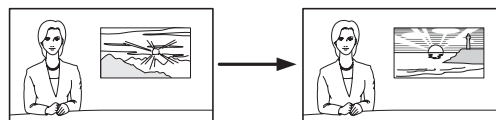
- 4 In the list of the settings to be changed, click the Key 2 icon.
- 5 Repeat steps 2 and 3 to select the video source for the Key 2.

For saving, see “Cue Edit Tab” (page 36).

# Preparing for Manual Switching

This section explains how to prepare for an advanced on-air manual operation, manual switching. This function allows you to switch only a part of the images within a cue by using the buttons on the shot box module, each associated with a Video Icon. You can use up to 6 Video Icons and assign them to buttons of the shot box module.

As an example, shown below, you can switch images in the background inset screen only from one location or camera to another (PinP).



Before performing the operations, follow the procedures below to make the required settings.

## Required Settings in the Icon Manager Application

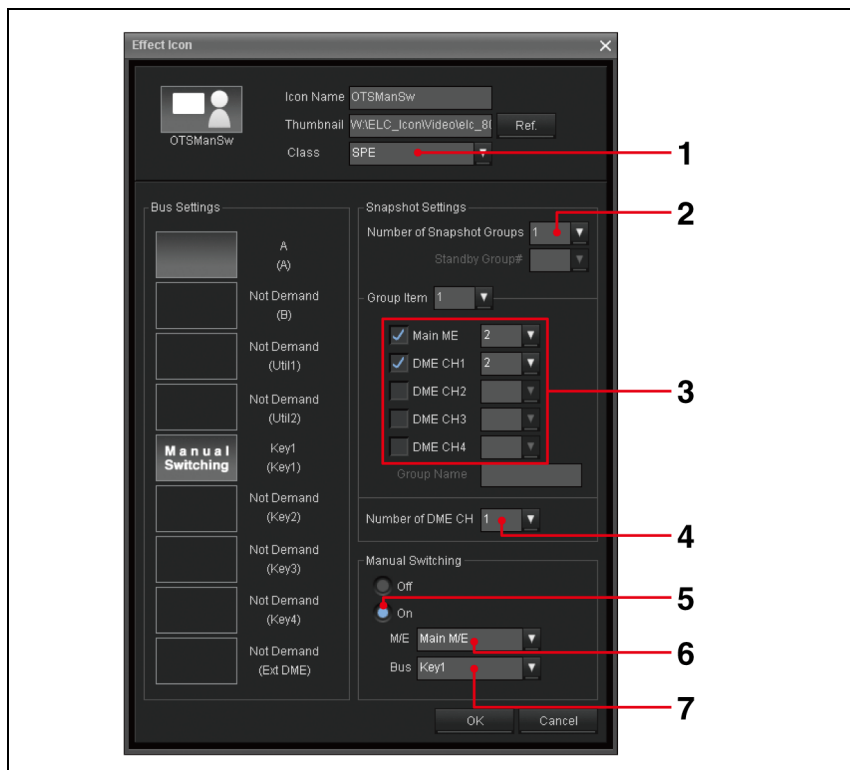
This section explains how to create an Effect Icon for manual switching.

- 1 In the Icon Manager window, create an Effect Icon and select [SPE] from the Class drop-down list box.

You can create an Icon classified as SPE.

*For details, see “Effect Icons” on page 76.*

- 2 Select [1] from the Number of Snapshot Groups in the Snapshot Settings block.



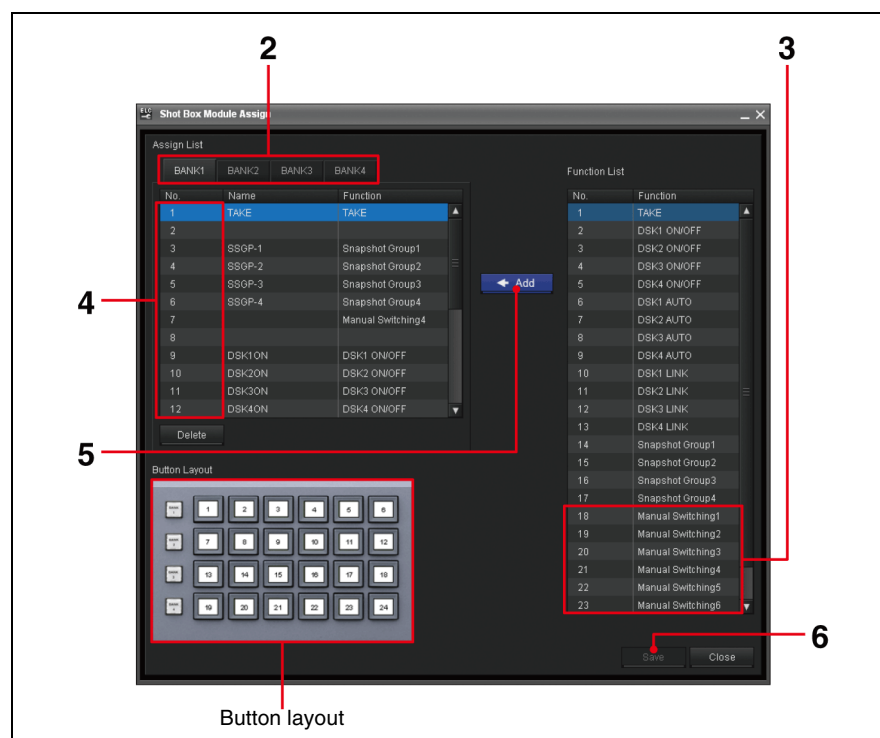
- 3 Check the check box you use for Snapshots, then select a snapshot number from the drop-down list box.
- 4 When you check DME CH1 to 4 in step 3, select the maximum number of DME you check from the Number of DME CH drop-down list box.
- 5 Select [On] in the Manual Switching block.  
The Manual Switching is set effective. You can switch up to 6 images by pressing the buttons on the Shot Box Module associated with Video Icons.
- 6 Select the desired M/E for switching images from the M/E drop-down list box.
- 7 Select the desired Bus from the Bus drop-down list box.

For saving, see “Effect Icon Window” on page 30.

## Required Settings in the Initial Setup Application

This section explains how to assign materials to be used in manual switching to the shot box module buttons.

- 1 In the Initial Setup window, click the Shot Box Module Assign sub menu.  
The Shot Box Module Assign window is displayed.



- 2 Select the tab corresponding to the bank to which you want to assign the functions.  
The functions assigned to the buttons of the selected bank are displayed in the Assign List.
- 3 Select Manual Switching 1 - 6 to be assigned on the Function List.

To select more than one function, hold down the Ctrl key, and click the desired functions.

To select all functions in a range, hold down the Shift key, and click the first and last functions in the range.

Function	Description
Manual Switching 1 - 6	Switches to the video signal of the 1 to 6 Video Icon listed for manual switching. <i>For details, see "Required Settings in the ELC Plug-in Application" (page 116).</i>

- 4 Select the number corresponding to the button to be assigned with the function on the Assign List.

Or, if you select more than one function in step **3**, select the lowest number of the buttons to which you want to assign the functions. In this case, the functions will be assigned to the buttons of the selected and the subsequent numbers.

- 5 Click [←ADD].

The selected function(s) are assigned to the button(s), and displayed on the Assign List.

In the Name column, no name is displayed. You cannot edit names.

- 6 Click [Save] to save the modified settings.

## Required Settings in the ELC Plug-in Application

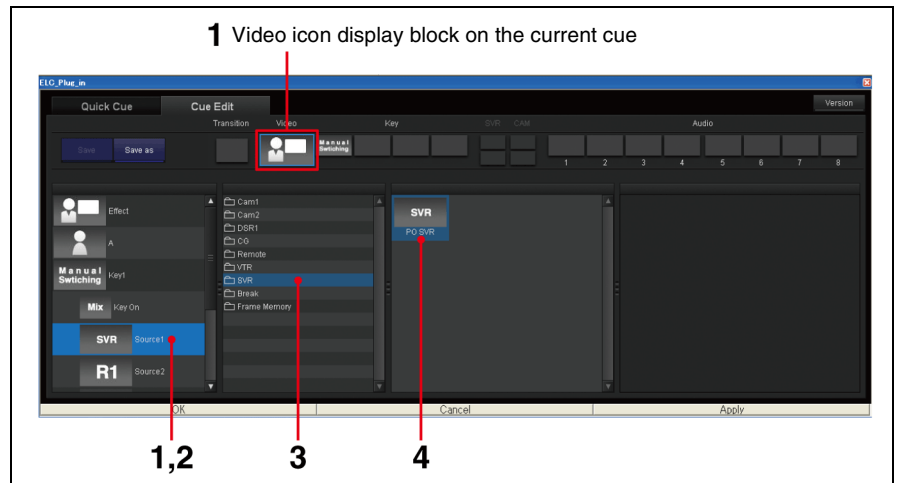
This section explains how to specify up to 6 pieces of materials to be used in manual switching.

- 1 In the Cue Edit window of the ELC Plug-in application, click the Video Icon display block of the current cue.

If the Manual Switching has been set, the list of the subjects to be switched will be displayed in the second layer of the list of settings to be changed.

- 2 Select the subjects to be switched.

Set the material to be used first in the on-air operation as the first of the subjects to be changed in manual switching.



- 3 Click the desired category in the category list.

- 4 Select an Video Icon in the Icon list.

The names of the Video Icons you select are displayed on the buttons of the shot box module.

- 5 Repeat steps 2 to 4 to specify multiple materials to be switched.

*For saving, see “Cue Edit Tab” on page 36.*

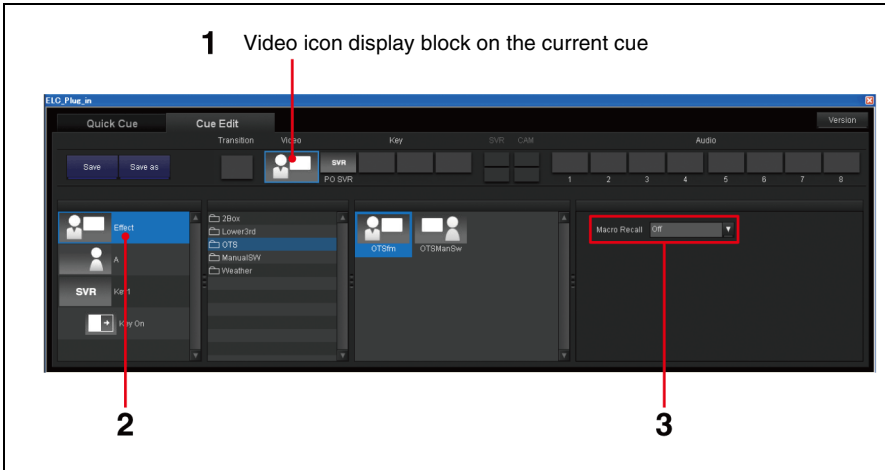


# Assigning a Video Switcher Macro to a Cue

You can register various settings in a video switcher macro and then assign the created macro to a cue. With the TAKE operation, the macro is recalled and executed. This section explains how to assign a macro to a cue.

- 1 In the Cue Edit window of the ELC Plug-in application, click the Video Icon display block of the current cue.
- 2 Click the Effect Icon on the list of the settings to be changed.
- 3 From the Macro Recall drop-down list box of the detailed settings block, select the macro that you want to recall.

Function	Description
Off	Macro will not be recalled.
1 to 99	Select the Macro Register number you want to recall from 1 to 99.



## Example: When you want to output and play a playout server image from an AUX bus

You can perform a mix transition from a cue where the camera image is displayed in full screen and playout server image in the inset screen of a cue where the playout server image is displayed in full screen. To perform this effect, a macro assignment to a cue is an effective method.

Screen you want to display	Tips on settings
	Create a video switcher macro allowing a playout server image to be output and played from an AUX Bus. Then assign the created macro to a cue. Fix the Ch setting of the playout server.
↓	
	Assign an Icon that specifies the identical cross point (video source) as the playout server of the previous cue.

# Operations

---

This section explains how to create a playlist using the cues, based on a rundown created on the NRCS (ELC Plug-in/Playlist Viewer applications). It also explains a series of procedures to play out the created playlist with the OA Playlist application.

This section also explains a how to switch multiple snapshots (2box) manually, and switch video manually (Manual Switching).

<b>Chapter 7 Creating a Playlist for iNEWS (ELC Plug-in/Playlist Viewer) .....</b>	<b>119</b>
<b>Chapter 8 Creating a Playlist for ENPS (ELC Plug-in/Playlist Viewer) .....</b>	<b>130</b>
<b>Chapter 9 On-Air Operations(OA Playlist) .....</b>	<b>138</b>
<b>Chapter 10 Advanced Manual Operations .....</b>	<b>152</b>

## Starting the ELC Plug-in Application

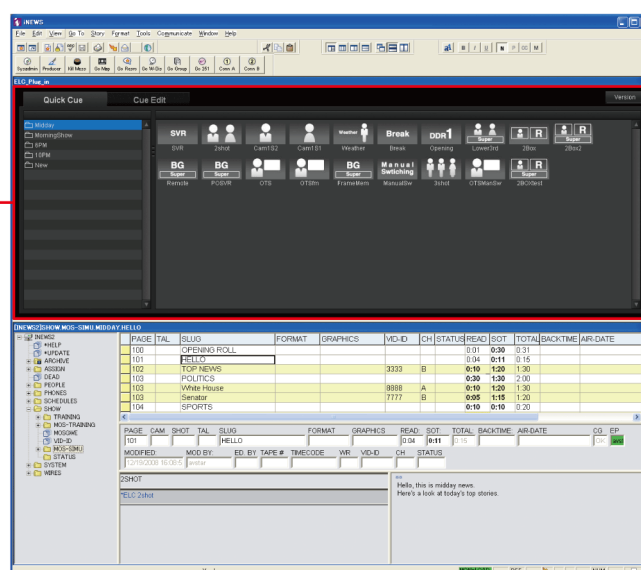
The ELC Plug-in application, working as a plug-in application for the existing iNEWS client software, allows you to create a playlist by using the cues created in the ELC Plug-in's Quick Cue and Cue Edit windows.

- Editing a production cue registered in iNEWS
- Editing part of a cue in Quick Cue and setting it to iNEWS as a new production cue

- 1 Start the iNEWS client software.
- 2 Click [Tools ] > [Plug-in] > [ELC Plug-in] from the menu bar.

The ELC Plug-in application starts and ELC Plug-in window is displayed.


ELC Plug-in window



### Tip

You can start as many ELC Plug-in applications simultaneously on different computers as the number of licenses you have.

## Exiting the ELC Plug-in Application

- 1 Click  on the upper right of the ELC Plug-in window.  
The ELC Plug-in application is closed.

### Note

If you do not save the settings, the revisions do not take effect.

# Creating a Playlist

This section explains how to create a playlist using the ELC Plug-in application. The created playlist will be displayed in the Playlist Viewer application.

## Creating a Playlist

This section explains how to create playlists using cues. Before starting creation of a playlist, prepare the cues in the Quick Cue and Cue Edit windows of the ELC Plug-in application.

For details on creating cues, see “Creating a Cue” (page 93).  
For details on setting a cue, see “Details of Settings” (page 95).

- 1
- Click the Quick Cue tab of the ELC Plug-in window.
- The Quick Cue window is displayed.
- 2
- In the queue panel in the iNEWS client window, click the desired iNEWS story to which you want to add a cue from the ELC Plug-in application.
- The selected story is displayed in the story panel of the iNEWS client window.

2

3

4

Story form panel

Instruction panel

Cue is added as a new \*ELC production cue.

iNEWS story panel

Story text panel

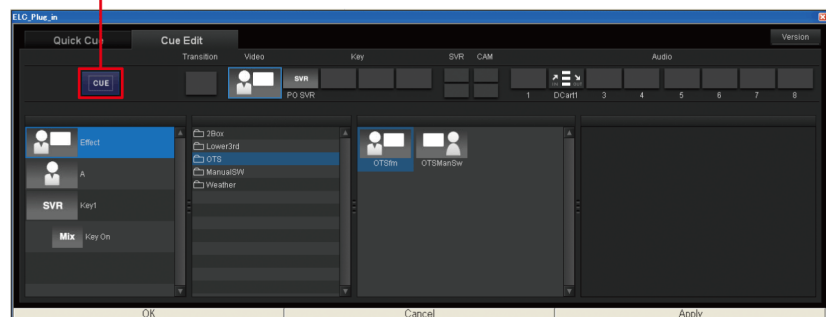
- 3 From the cue folder list of the Quick Cue window, click the folder containing the cue that you want to add to a playlist.  
The cues contained in the folder are displayed.
- 4 Drag the desired cue from the Quick Cue window and drop it on the iNEWS story text panel.  
An asterisk “\*” appears at the position where the cue was dropped on the story text panel, and the new cue is described as an ELC production cue. In the instruction panel, “\*ELC” followed by the cue name is also added. A cue is always added as an “ELC production cue.”
- 5 Repeat steps 2 through 4 to add cues to the rundown.

## To set a new production cue after checking the content of a cue

You can check the content of a cue and edit it, if necessary, before you actually add it to an iNEWS story as a new ELC production cue.

- 1 In the queue panel on the iNEWS client window, click the desired iNEWS story to which you want to add a cue from the ELC Plug-in application.  
The selected story is displayed in the story panel of the iNEWS client window.
- 2 Double-click on the desired cue in the cue list block of Quick cue.  
The Cue Edit window is displayed. The selected cue is loaded into the window as the current cue. The registration icon appears on the current cue.

### 4 Registration icon



- 3 Check the content and change the settings, if necessary.  
*For details, see “Details of Settings” (page 95).*
- 4 Drag the registration icon from the Cue Edit window and drop it on the iNEWS story text panel.  
An asterisk “\*” appears at the position where the cue was dropped on the story text panel and the new cue is described as an ELC production cue. In the instruction panel, “\*ELC” followed by the cue name is also added. A cue is always added as an “ELC production cue.”

## Note

To display added cues in the Playlist Viewer and OA Playlist applications, you should save the story in the iNEWS window. When the focus moves over stories in the queue panel, stories are saved automatically. Otherwise, save the story by selecting [File] > [Save Story] from the iNEWS menu bar.

## Rules in setting ELC production cues

- The ELC production cues to be included in the same ELC story on a playlist should have the same Page number. An ELC story consists of ELC production cues having the same Page number.
- An ELC production cue should be placed before the production cue of the materials that the ELC cue uses.
- You can set multiple ELC production cues in an iNEWS story.

## When using the PO server

To display the status of the playout server in a cue, you should make settings in the story form panel of the iNEWS client window. A story form panel is designed for one iNEWS story only. When you use multiple PO Servers in an ELC story, therefore, you should use multiple iNEWS stories to make settings for the PO Servers. According to the order where the PO Servers are set in the iNEWS story, you can associate the materials of the PO Servers with the list of the settings to be changed for a video and audio channel on the ELC Plug-in application windows.

### ❑ Example 1) When using PO Servers in both Key 1 and Key 2 of a cue



To create the playlist shown above, create a cue, drag and drop a Production cue, and then make settings in the iNEWS stories as follows:

- 1 For the iNEWS story where an ELC Production cue has been pasted, make settings for the PO Server Key 1 uses.

iNEWS story

PAGE	TAL	SLUG	FORMAT	GRAPHICS	VID-ID	CH	STATUS	READ	SOT	TOTAL	BACKTIME	AIR-DATE
106								0:00	0:00	0:00		
200		SPORTS						0:00	0:00	0:00		
201		Baseball			2222	A		0:10	0:10	0:20		
202		Results						0:00	0:00	0:00		
203		News2			1234	A		0:00	0:00	0:00		

PAGE

CAM

SHOT

TAL

SLUG

FORMAT

GRAPHICS

READ

SOT

TOTAL

BACKTIME

AIR-DATE

201

Baseball

0:10

0:10

0:20

MODIFIED:

MOD BY:

ED BY

TAPE #

TIMECODE

WR

VID-ID

CH

STATUS

2009/01/16 13:53:4

evstar

2222

A

ELC 2Box

ELC Production cue is pasted.

Make settings in the Story Form Panel

## 2 Insert a new iNEWS story, make settings for the PO Server Key 2 uses.

Make sure not to set an ELC production cue for this inserted iNEWS story.

Inserted iNEWS story

PAGE	TAL	SLUG	FORMAT	GRAPHICS	VID-ID	CH	STATUS	READ	SOT	TOTAL	BACKTIME	AIR-DATE
200		SPORTS						0:00	0:00	0:00		
201		Baseball			2222	A		0:10	0:10	0:20		
202		Results			6666	B		0:10	0:10	0:20		
203		News2			1234	A		0:00	0:00	0:00		

PAGE	CAM	SHOT	TAL	SLUG	FORMAT	GRAPHICS	READ	SOT	TOTAL	BACKTIME	AIR-DATE
2009/01/16 13:56:41				News2			0:10	0:10	0:20		

Make settings in the Story Form Panel

The PO Server set in the first iNEWS story is used with the Key 1 bus, and that set in the next iNEWS story is used with the Key 2 bus.

### Example 2) When setting multiple ELC Production cues and PO Servers of an ELC story

\*ELC1

203 News2

\*ELC2

\*ELC3

To create the playlist shown above, create three cues as follows:

- \*ELC1: A cue having no PO Server settings.
- \*ELC2: A cue having PO Server settings with both Key 1 and Key 2.
- \*ELC3: A cue having PO Server settings with Audio.

Then set the above three cues for an identical iNEWS story as follows:

- 1 For the iNEWS story where the three ELC Production cues are set, make settings for the PO Server to be used first (the source for Key 1 of \*ELC2).



**iNEWS story**

Three ELC Production cues are set.      Make settings in the Story Form Panel

- 2 Insert a new iNEWS story, make settings for the PO Server to be used second (the source for Key 2 of \*ELC2).  
Make sure not to set an ELC production cue for this inserted iNEWS story.

**Inserted iNEWS story**

Make settings in the Story Form Panel

- 3 Insert another iNEWS story, make settings for the PO Server to be used third (the source for the Audio of the \*ELC3).  
Make sure not to set an ELC production cue for this inserted iNEWS story.

### Inserted iNEWS story

PAGE	TAL	SLUG	FORMAT	GRAPHICS	VID-ID	CH	STATUS	READ	SOT	TOTAL	BACKTIME	AIR-DATE
202		Results						0.00	0.00	0.00		
203		News2			1234	A		0.00	0.00	0.00		
					2222	B		0.00	0.00	0.00		
					3456	C		0.00	0.00	0.00		
								0.00	0.00	0.00		
								0.00	0.00	0.00		

PAGE	CAM	SHOT	TAL	SLUG	FORMAT	GRAPHICS	READ	SOT	TOTAL	BACKTIME	AIR-DATE
							0.00	0.00	0.00		
MODIFIED:	MOD BY:	ED BY:	TAPE #	TIMECODE	WR	VID-ID	CH	STATUS			
2009/02/05 10:00:51	megk					3456	C				

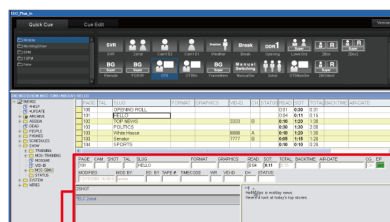
Make settings in the Story Form Panel

The ELC Plug-in application uses the ELC Production cues and PO Server settings in the order they are assigned in the iNEWS story, and associates a video bus or audio channel with the materials of the PO Server.

## Editing an ELC Production Cue added to an iNEWS rundown

You can use Cue Edit to edit a cue that has been added to an iNEWS rundown and has been described as an ELC production cue.

- 1 In the iNEWS instruction panel, double-click on the ELC production cue that you want to edit.



PAGE	CAM	SHOT	TAL	SLUG	FORMAT	GRAPHICS	READ	SOT	TOTAL	BACKTIME	AIR-DATE	CG	EP
101				HELLO			0.04	0.11	0.15				
MODIFIED:	MOD BY:	ED BY:	TAPE #	TIMECODE	WR	VID-ID	CH	STATUS					
2009/02/05 10:00:51	megk												

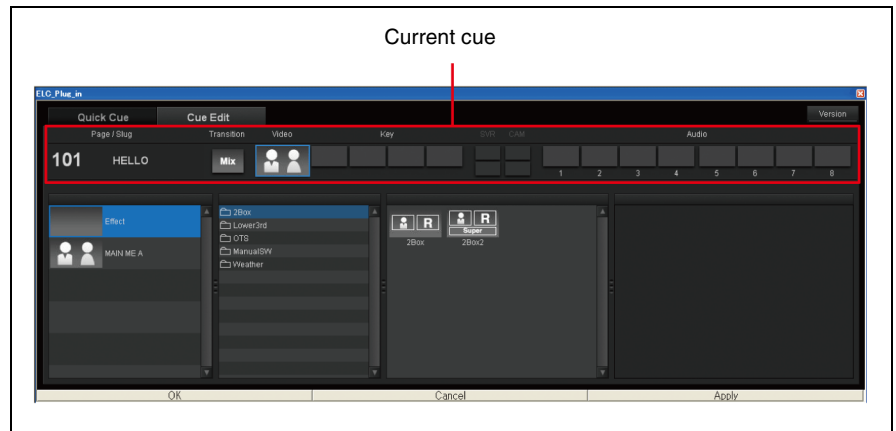
  

ZSHOT	HELLO, this is midday news. Here's a look at today's top stories.
ELC-Dishot	
ELC-VIS	

Instruction panel

ELC production cue

The selected cue is displayed as the current cue in the Cue Edit window.



## 2 Make the required settings for the cue.

*For details, see “Details of Settings” (page 95).*

## 3 Click either of the following two buttons to execute the settings.

- **Apply:** The revisions take effect.
- **OK:** The revisions take effect and the Cue Edit window is closed.

### Notes

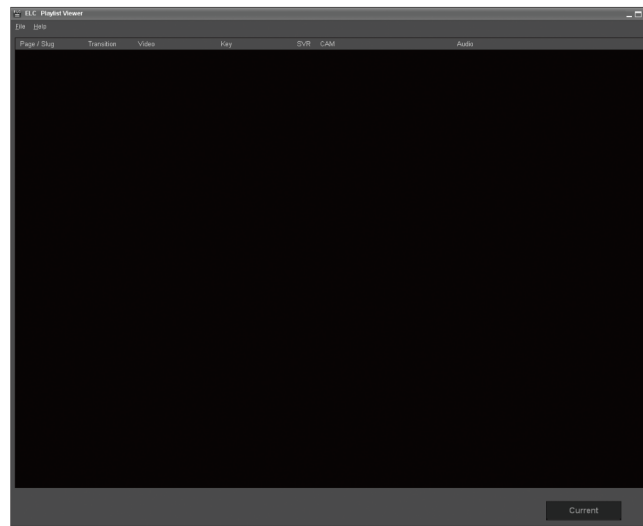
- To reflect revisions in the Playlist Viewer and OA Playlist applications, you should save the story in the iNEWS window. When the focus moves over stories in the queue panel, those stories are saved automatically. Otherwise, save the story by selecting [File] > [Save Story] from the iNEWS menu bar.
- If an error occurs in saving a story, the Cue Edit window will not be closed. The current version of the ELC Plug-in application does not show an error message even if the same channel is being used repeatedly or there is an insufficient number of DME channels.

# Displaying a Playlist in the Playlist Viewer Application

The Playlist Viewer application allows you to view and check a playlist created with the Quick Cue and Cue Edit windows of the ELC Plug-in application. You can operate the application independently at different locations simultaneously without starting the iNEWS client.

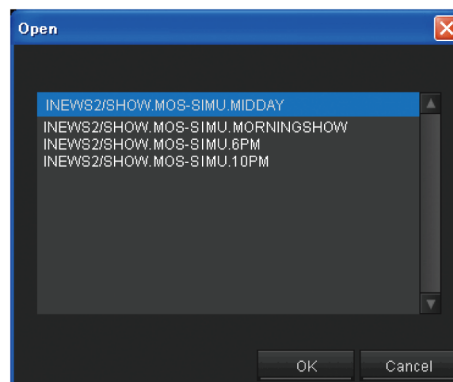
- 1 Double-click the Playlist Viewer icon (Playlist Viewer) on the Windows desktop.  
Or, double-click the PlaylistViewer.exe file in the “Sony\ELC\PlaylistViewer” folder on the drive where the ELC-MVS01 software is installed.

The Playlist Viewer starts and the Playlist Viewer window is displayed.



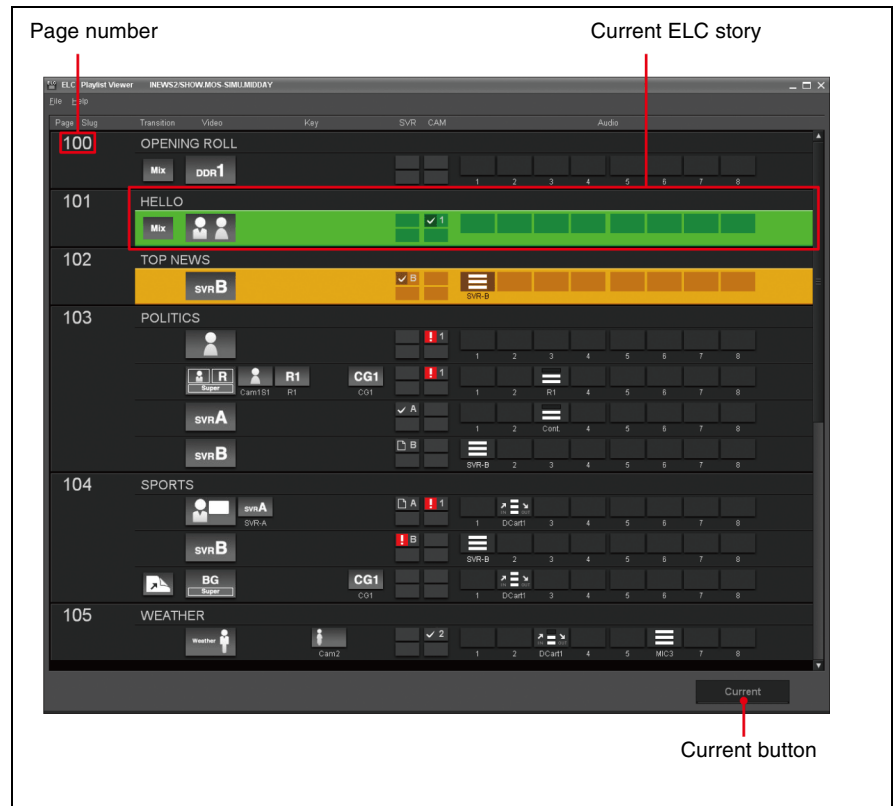
- 2 Select [File] > [Open] from the menu bar of the Playlist Viewer application.

The dialog box used for selecting a rundown is displayed. Rundowns that the iNEWS loads for monitoring are listed in alphabetical order.



- 3 Select the desired rundown, and click [OK].

The playlist corresponding to the selected rundown is loaded in the Playlist Viewer window.



You can check the playlist content created in the ELC Plug-in applications. In the playlist, the ELC stories are listed. The ELC story consists of the cues having the same page number provided by the iNEWS client.

#### Note on scrolling of the playlist while on the air

The Playlist Viewer application scrolls the playlist automatically so that the cue currently being taken is displayed as the second cue on the screen.

You can view any other part of the playlist at any time, by manually scrolling the playlist using the scroll bar and mouse wheel.

Click [Current] in the Playlist Viewer window to reactivate automatic playlist scrolling.

#### Note

You cannot start more than the licensed number of copies of Playlist Viewer simultaneously.

## Exiting the Playlist Viewer Application

- 1 Click [File] > [Exit] from the menu bar of the Playlist Viewer.

The Playlist Viewer application is closed.

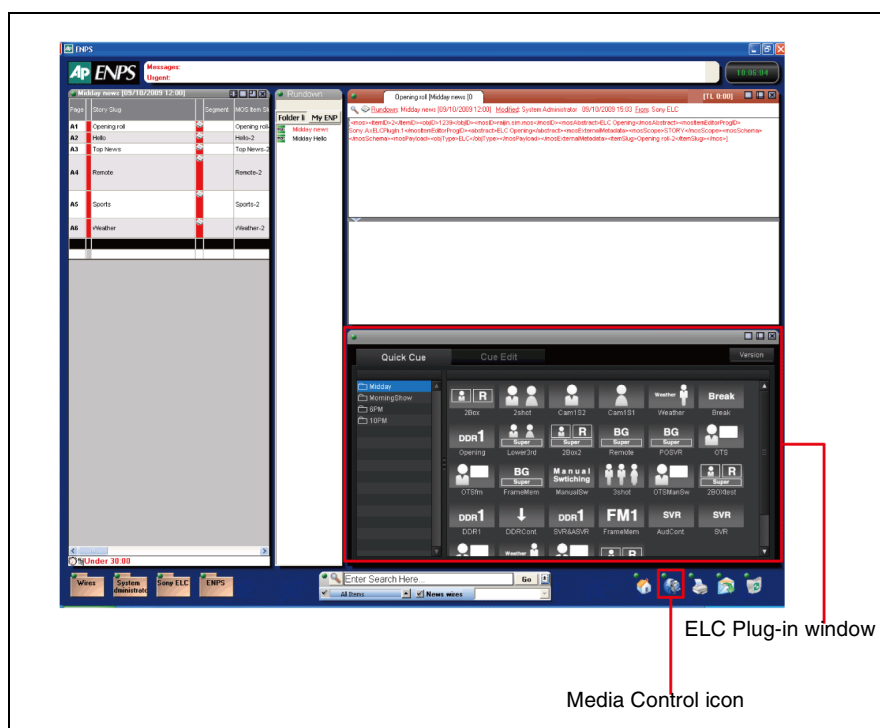
## Starting the ELC Plug-in Application

The ELC Plug-in application, working as a plug-in for the existing ENPS client software, allows you to create a playlist by using the cues created in the ELC Plug-in's Quick Cue and Cue Edit windows.

- Editing an item registered in ENPS
- Editing part of a cue in Quick Cue and setting it to ENPS as a new item

- 1 Start the ENPS client software.
- 2 Click the rover (green dot) of the Media Control icon on the bottom bar of the ENPS client window, and select [ELC Plug-in] from the displayed menu.

The ELC Plug-in application starts and ELC Plug-in window is displayed.



**Tip**

You can start as many ELC Plug-in applications simultaneously on different computers as the number of licenses you have.

## Exiting the ELC Plug-in Application

- 1 Click  on the upper right of the ELC Plug-in window.

The ELC Plug-in application is closed.

**Note**

If you do not save the settings, the revisions do not take effect.

# Creating a Playlist

This section explains how to create a playlist using the ELC Plug-in application. The created playlist will be displayed in the Playlist Viewer application.

## Creating a Playlist

This section explains how to create playlists using cues. Before starting creation of a playlist, prepare the cues in the Quick Cue and Cue Edit windows of the ELC Plug-in application.

*For details on creating cues, see “Creating a Cue” (page 93).*

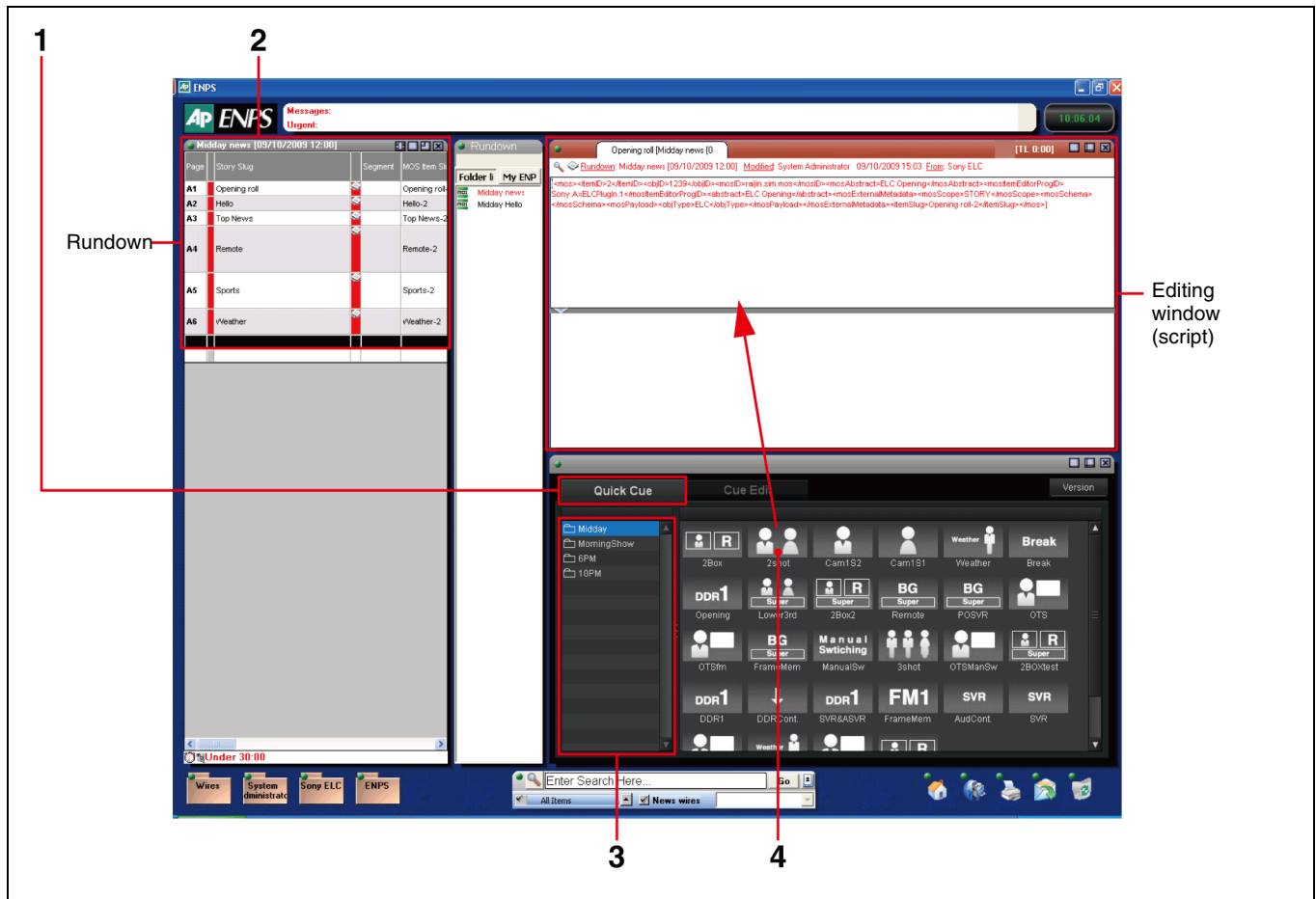
*For details on setting a cue, see “Details of Settings” (page 95).*

- 1 Click the Quick Cue tab of the ELC Plug-in window.

The Quick Cue window is displayed.

- 2 In the rundown in the ENPS client window, double-click the desired ENPS story to which you want to add a cue from the ELC Plug-in application.

The script of the selected story is displayed in the editing window of the ENPS client window.





### Note

Depending on the column you select, the script may not be displayed in the editing window. Make sure to display the script.

- 3 From the cue folder list of the Quick Cue window, click the folder containing the cue that you want to add to a playlist.

The cues contained in the folder are displayed.

- 4 Drag the desired cue from the Quick Cue window and drop it on the ENPS editing window.

The script of the ELC item is added in the editing window. In the MOS Obj Slug column of the rundown, “ELC” followed by the cue name is displayed as the item name.

- 5 Repeat steps 2 through 4 to add cues to the rundown.

## To set a new item after checking the content of a cue

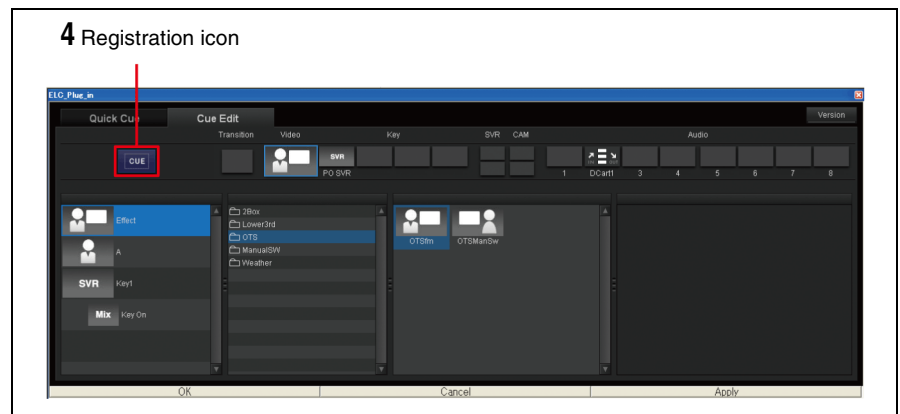
You can check the content of a cue and edit it, if necessary, before you actually add it to an ENPS story as a new ELC item.

- 1 In the rundown on the ENPS client window, double-click the desired ENPS story to which you want to add a cue from the ELC Plug-in application.

The script of the selected story is displayed in the editing window of the ENPS client window.

- 2 Double-click on the desired cue in the cue list block of Quick cue.

The Cue Edit window is displayed. The selected cue is loaded into the window as the current cue. The registration icon appears on the current cue.



- 3 Check the content and change the settings, if necessary.

*For details, see “Details of Settings” (page 95).*

- 4 Drag the registration icon from the Cue Edit window and drop it on the ENPS editing window (script).

After you save the script, the cue is added as an ELC item to the ENPS rundown. In the MOS Obj Slug column of the rundown, “ELC” followed by the cue name is displayed as the item name.

## Note

To display added cues in the Playlist Viewer and OA Playlist applications, you should save the script in the ENPS window with either of the following operations:

- Press Ctrl + S keys.
- Select the editing window rover and select [Save] from the menu displayed.

## Rules in setting ELC items

- The ELC items to be included in the same ELC story on a playlist should have the same slug. An ELC story consists of ELC items having the same Slug.
- An ELC item should be placed before the item of the materials that the ELC cue uses.
- You can set multiple ELC items in an ENPS story.
- The materials to be used in an ELC cue should be set within the identical ENPS story.
- When the Page is set as “Unfreeze page numbers,” it will not be displayed in the playlist. To display the page, set “Freeze page numbers.”

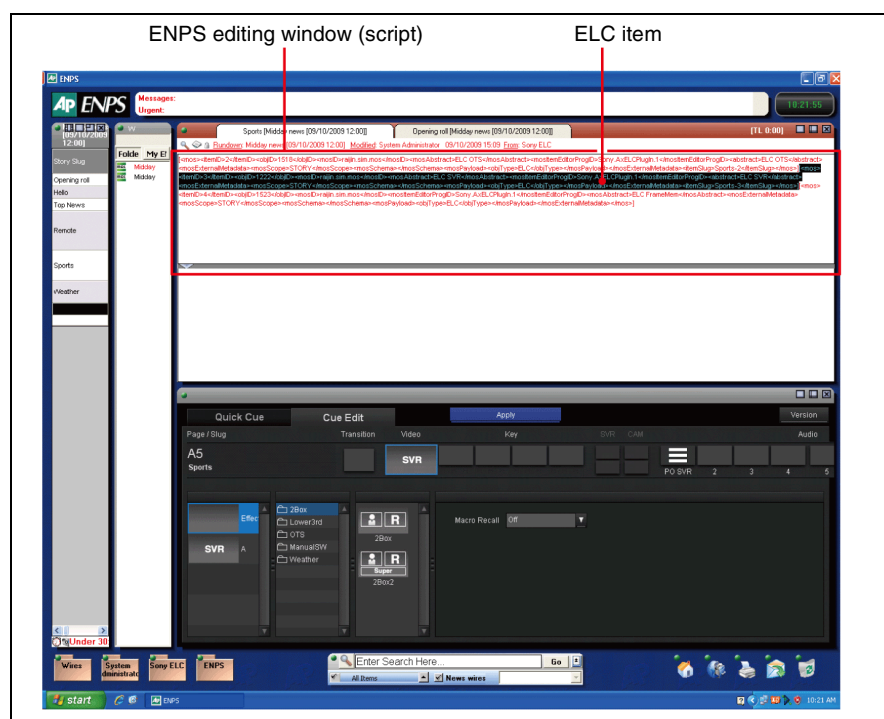
## When using multiple PO servers for a single ENPS cue

You should associate the identical PO server icon with multiple video buses or audio numbers. You should associate a bus with PO server materials (Ch). The ELC Plug-in application uses the ELC items and PO Server settings in the order they are assigned in the ENPS story, and associates a video bus or audio channel with the materials of the PO Server.

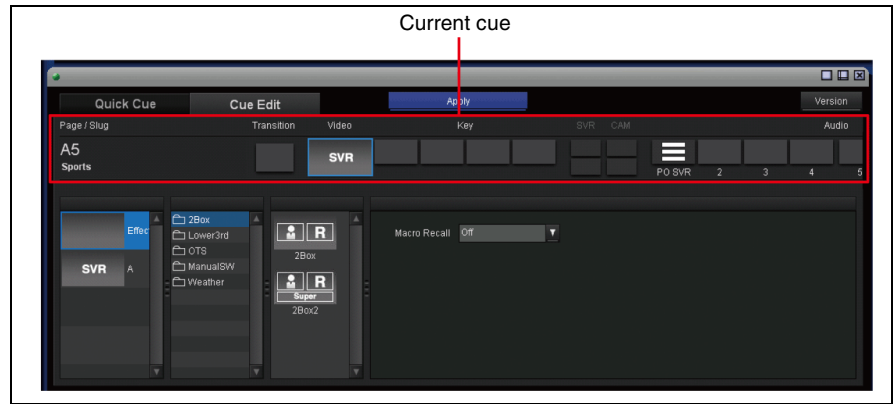
## Editing an ELC Item added to an ENPS rundown

You can use Cue Edit to edit a cue that has been added to an ENPS rundown and has been described as an ELC item.

- 1 In the ENPS editing window (script), double-click on the ELC item that you want to edit.



The selected cue is displayed as the current cue in the Cue Edit window.



## 2 Make the required settings for the cue.

*For details, see “Details of Settings” (page 95).*

## 3 Click [Apply] to execute the settings.

### Notes

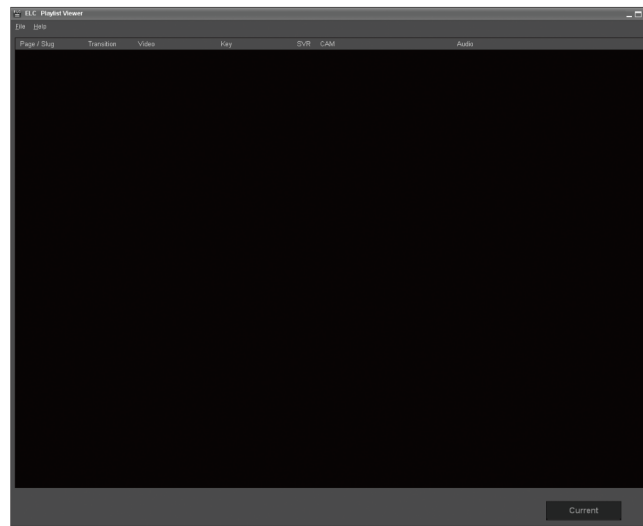
- To display added cues in the Playlist Viewer and OA Playlist applications, you should save the script in the ENPS window with either of the following operations:
  - Press Ctrl + S keys.
  - Select the editing window rover and select [Save] from the menu displayed.
- The current version of the ELC Plug-in application does not show an error message even if the same channel is being used repeatedly or there is an insufficient number of DME channels.

# Displaying a Playlist in the Playlist Viewer Application

The Playlist Viewer application allows you to view and check a playlist created with the Quick Cue and Cue Edit windows of the ELC Plug-in application. You can operate the application independently at different locations simultaneously without starting the ENPS client.

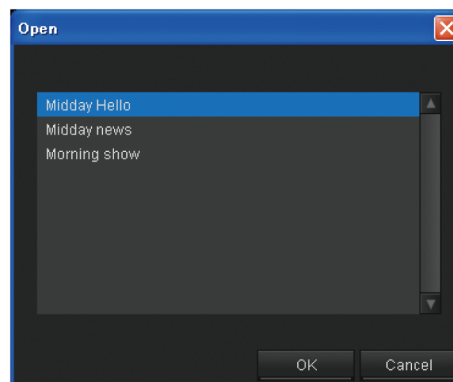
- 1 Double-click the Playlist Viewer icon (Playlist Viewer) on the Windows desktop.  
Or, double-click the PlaylistViewer.exe file in the “Sony\ELC\PlaylistViewer” folder on the drive where the ELC-MVS01 software is installed.

The Playlist Viewer starts and the Playlist Viewer window is displayed.



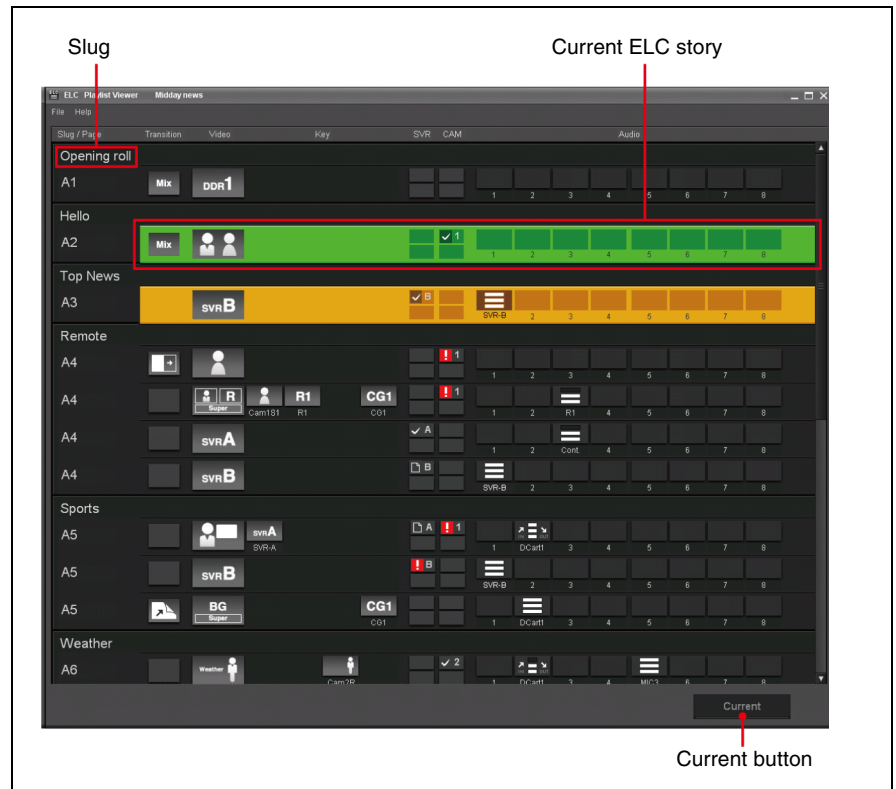
- 2 Select [File] > [Open] from the menu bar of the Playlist Viewer application.

The dialog box used for selecting a rundown is displayed. Rundowns for which MOS Control Active is set with ENPS are listed in alphabetical order.



- 3 Select the desired rundown, and click [OK].

The playlist corresponding to the selected rundown is loaded in the Playlist Viewer window.



You can check the playlist content created in the ELC Plug-in applications. In the playlist, the ELC stories are listed. The ELC story consists of the cues having the same slug provided by the ENPS client.

### Note on scrolling of the playlist while on the air

The Playlist Viewer application scrolls the playlist automatically so that the cue currently being taken is displayed as the second cue on the screen.

You can view any other part of the playlist at any time, by manually scrolling the playlist using the scroll bar and mouse wheel.

Click [Current] in the Playlist Viewer window to reactivate automatic playlist scrolling.

### Note

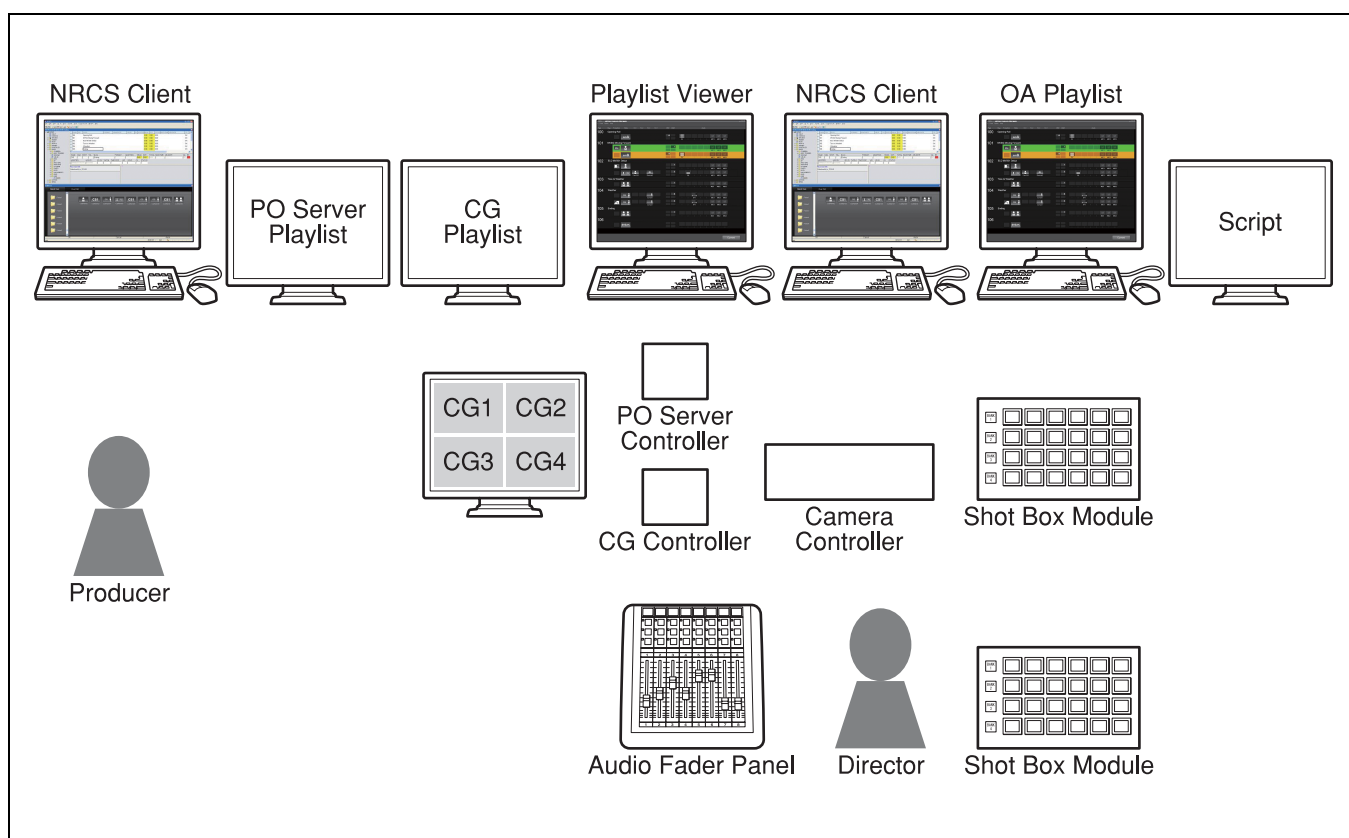
You cannot start more than the licensed number of copies of Playlist Viewer simultaneously.

## Exiting the Playlist Viewer Application

- 1 Click [File] > [Exit] from the menu bar of the Playlist Viewer.

The Playlist Viewer application is closed.

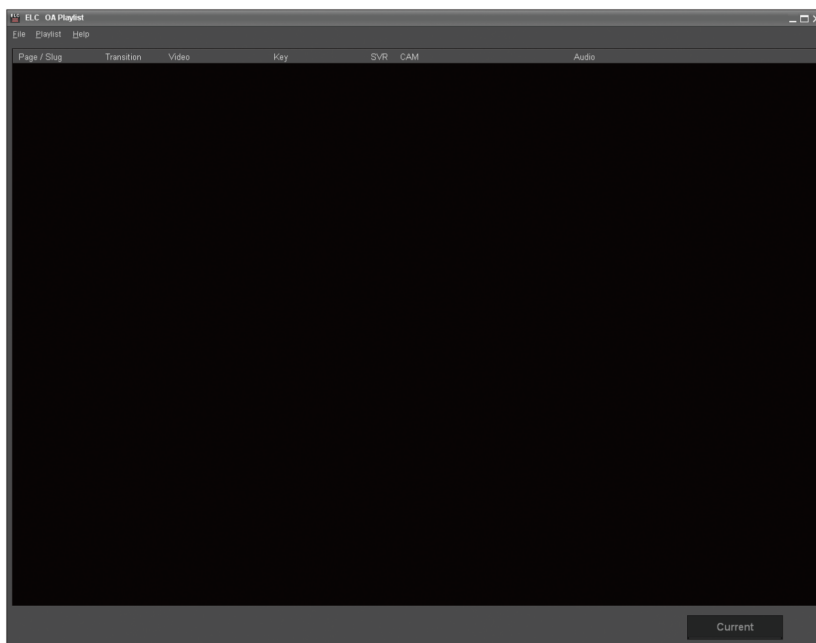
This chapter describes on-air operations using the ELC-MVS01 system. The following illustration shows an example image of the sub control room of a news studio.



# Starting the OA Playlist Application

- 1 Double-click the OAPlaylist icon (ELC OA Playlist) on the Windows desktop.  
Or, double-click the OAPlaylist.exe file in the “Sony\ELC\OAPlaylist” folder on the drive where the ELC-MVS01 software is installed.

The OA Playlist application starts and the OA Playlist window is displayed.



## Note

Only one OA Playlist application can be operated in a system at a time. If the OA Playlist application has already been operating on the same computer, or on a different computer in the system, you cannot start the application.

## Exiting the OA Playlist Application

- 1 Select [File] > [Exit] from the menu bar of the OA Playlist window.  
The OA Playlist application is closed.

## Note

When you exit the OA Playlist application during on-air operations, a confirmation message appears.  
Click [OK] to end on-air operation and exit the OA Playlist application. Click [Cancel] to continue on-air operation.

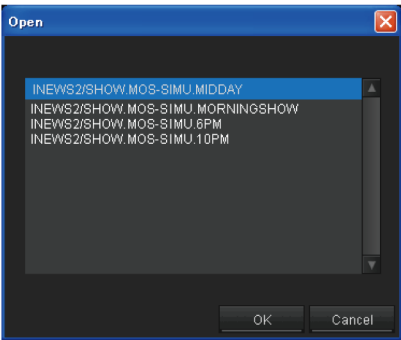
# Starting/Ending On-Air Operation

The following procedure loads the desired playlist, starts on-air play of that playlist, and then ends on-air operation.

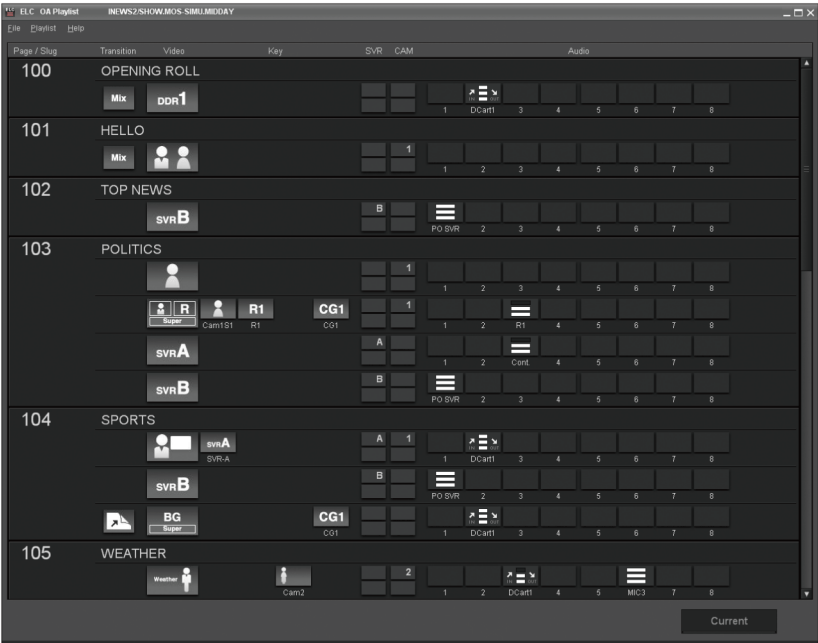
**Tip**

In this section the iNEWS windows are used for explanations. The windows in this section may differ from those you will see if you are using ENPS.

- 1
- First, open a playlist.  
In the OA Playlist window, select [File] > [Open] from the menu bar.  
The dialog box used for selecting a rundown is displayed.



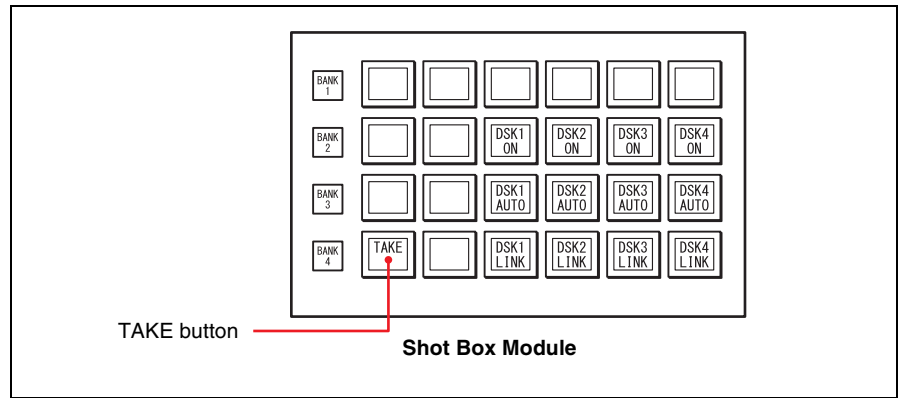
- 2
- Select the desired rundown, and click [OK].  
The playlist corresponding to the selected rundown is displayed in the OA Playlist window.



For details on the OA Playlist window, see “OA Playlist and Playlist Viewer Windows” on page 37.



- 3** Next, start on-air operation.  
 Press the TAKE button on the shot box module.  
 Or, select [Playlist] > [Start] from the menu bar in the OA Playlist window.



The system makes the first cue on the playlist ready for on-air play. The background of the first cue flashes in yellow.  
 Then the yellow background stops flashing, indicating that the cue has become the “Next cue.”  
 The Next monitor shows the image of the cue.



- 4** Check the image on the Next monitor, and press the TAKE button on the shot box module.

The first cue goes on the air. The OA monitor displays the image of the first cue. The audio level is automatically adjusted to the one specified for the cue.

- **On the playlist**

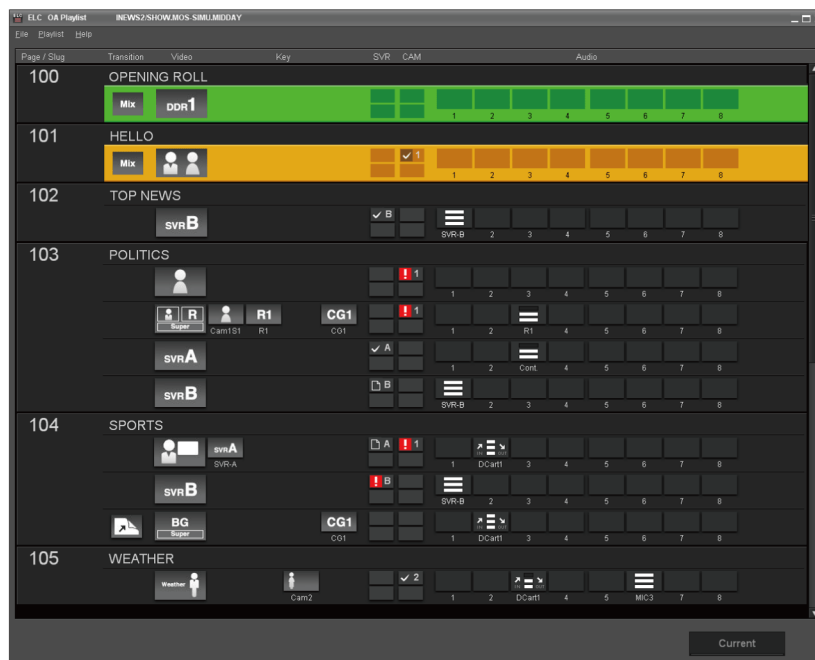
The background color of the first cue turns to green, indicating that the cue is now going on the air (OA cue). When the next cue is not ready, the second cue flashes in yellow. Then it lights in yellow when it is ready.

- **On the shot box module**

The TAKE button lights in green during fade in/out of audio and/or a transition of video, and then lights in orange.

- **On the audio fader panel**

The moving faders corresponding to the Audio Icons for the cue move automatically, according to the specified audio levels.



**5** Repeat step 4 to continue on-air operation.

**6** To end on-air operation, select [Playlist] > [End] from the menu bar in the OA Playlist window.

### Note

The system may not switch audio/video of the current OA cue to the next, immediately. That is because some devices, such as a disk recorder, require some time (preroll) until a stable video image is output from the device.

### Note on scrolling of the playlist during on-air operation

The OA Playlist application scrolls the playlist automatically so that the cue currently going on the air is displayed as the second cue on the screen.

You can view any other part of the playlist at any time, by manually scrolling the playlist using the scroll bar and mouse wheel.

Click [Current] in the OA Playlist window to reactivate automatic playlist scrolling.

## Manual operations available during on-air operation

During on-air operation, the ELC-MVS01 software allows some manual operations using the shot box module and audio fader panel.

*For details on these manual operations, see*

- “Assigning Functions to the Shot Box Module Buttons” on page 54,
- “Controlling Downstream Keys Manually” on page 146,
- “Controlling the Audio Level Manually” on page 148,
- “Switching Multiple Snapshots Manually (2Box)” on page 152, and
- “Switching Images Manually (Manual Switching)” on page 154.

## To close the playlist

In the OA Playlist window, select [File] > [Close] from the menu bar.

The playlist disappears, and the shot box module buttons turn off.

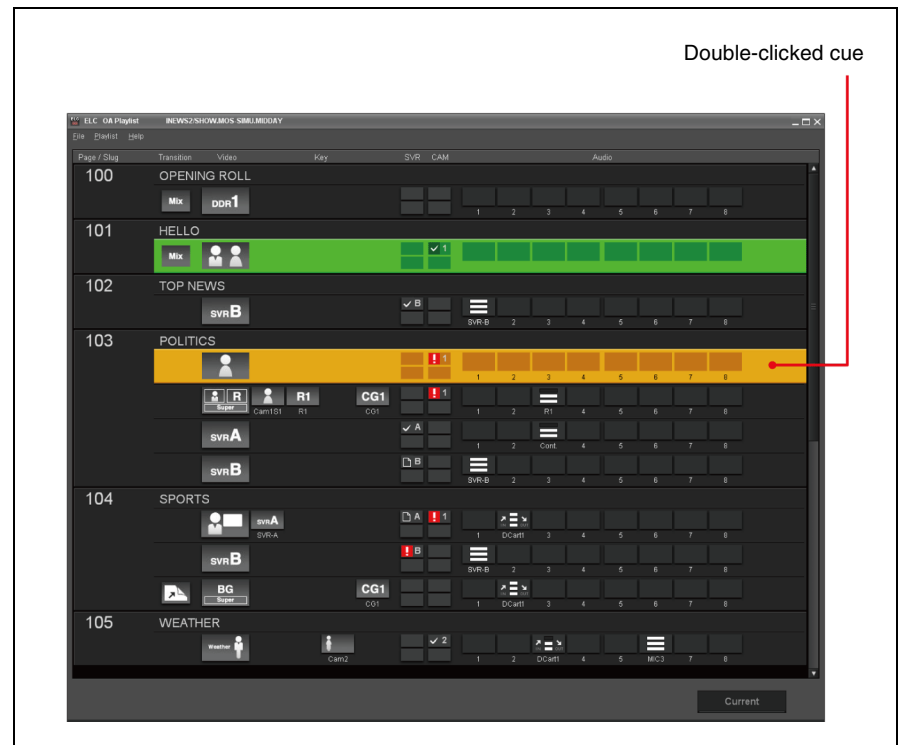
# Selecting a Cue to be Brought On the Air Next

The OA Playlist application enables you to select a cue to be played next, that is, you can change the playout order of the cues on the playlist. This function is helpful when a problem occurs with a satellite channel and you have to skip a series of cues, for example, or when you have to change the playout order of the stories to get some time for quick editing of late-breaking news clips.

## Tip

In this section the iNEWS windows are used for explanations. The windows in this section may differ from those you will see if you are using ENPS.

- 1 Double-click the desired cue on the playlist.



The system makes the first cue on the playlist ready for on-air play. The background of the first cue flashes in yellow. Then the yellow background stops flashing, indicating that the cue has become the “Next cue.” The Next monitor shows the image of the cue.

- 2 Check the image on the Next monitor, and press the TAKE button on the shot box module.

The selected cue goes on the air. The OA monitor displays the image of that cue.

On the playlist, the background color of the selected cue turns to green, indicating that the cue has become the “OA cue.” The system gets the second cue ready, and the background color of the second cue flashes in yellow.

#### Notes

- When you skip several cues using the procedure described above, you may have to change the standby events on the playout server and CG/still store system playlists by yourself, as these two are outside the ELC-MVS01 system.
- The OA cue, that is, the cue currently on the air, cannot be selected as the Next cue.

# Controlling Downstream Keys Manually

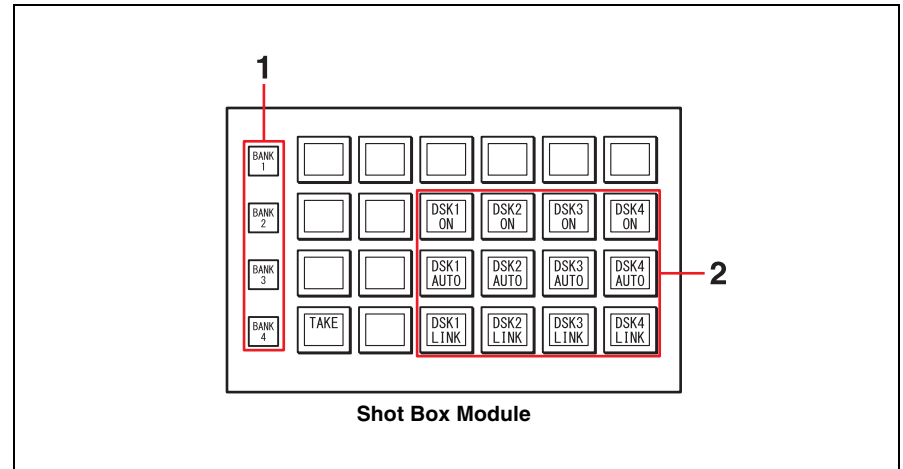
Downstream key operations can be assigned to the buttons on the shot box module of the ELC-MVS01 system. The Initial Setup application is used to assign functions to the buttons in advance.

During on-air operations, you can control downstream keys manually by pressing the button corresponding to the desired operation. When one of the buttons for the DSK 1 - 4 Auto Transition or DSK 1 - 4 Link functions is pressed, the transition type and rate currently specified on the switcher (Initial Snapshot) are used for transition.

*For details on the Initial Setup operations, see “Assigning Functions to the Shot Box Module Buttons” on page 54.*

## Note

The ELC-MVS01 system does not provide an automatic downstream key control function.



- 1 On the shot box module, select the bank for the button of the desired downstream key control operation, by pressing the corresponding bank button.

The buttons to which functions are assigned light in orange or green, depending on the functions assigned. The name indicating the function assigned is shown on each button.

*For details on the functions and colors of the buttons, see “Downstream key control functions that can be assigned to the shot box module buttons” (next).*

- 2 Press the button corresponding to the desired downstream key control operation.

The color of the button you pressed changes, and the downstream key control assigned to the button starts.

## Downstream key control functions that can be assigned to the shot box module buttons

The following downstream key control functions can be assigned to the shot box module buttons using the Initial Setup application:

- **DSK1 - 4 On/Off**

Cuts the downstream key in or out alternately.

The button lights in green when the downstream key is inserted, or orange when the downstream key is deleted.

- **DSK1- 4 Auto Transition**

Inserts or deletes the downstream key alternately, with a transition effect. The transition type and rate currently specified on the switcher are used.

The button lights in green during transition, and turns to orange after the transition is complete.

- **DSK1 - 4 Link**

Associates turning the downstream key on and off for the TAKE operation. The button lights in green when “DSK link” is on, or orange when “DSK link” is off.

When “DSK Link” is not available, the button light turns off, with only function name displayed.

When “DSK link” is on, so that the button lights in green, the downstream key currently inserted will be deleted upon the next TAKE operation. If the downstream key is not inserted now, it will be inserted upon the next TAKE operation, with a transition effect. The transition type and rate currently specified on the switcher are used.

### Note

The names indicated on the buttons may be different from the function names described above, as the Initial Setup application enables a technical director to name the buttons on the shot box module.

*For details, see “Specifying the Name of a Button” on page 56.*

# Controlling the Audio Level Manually

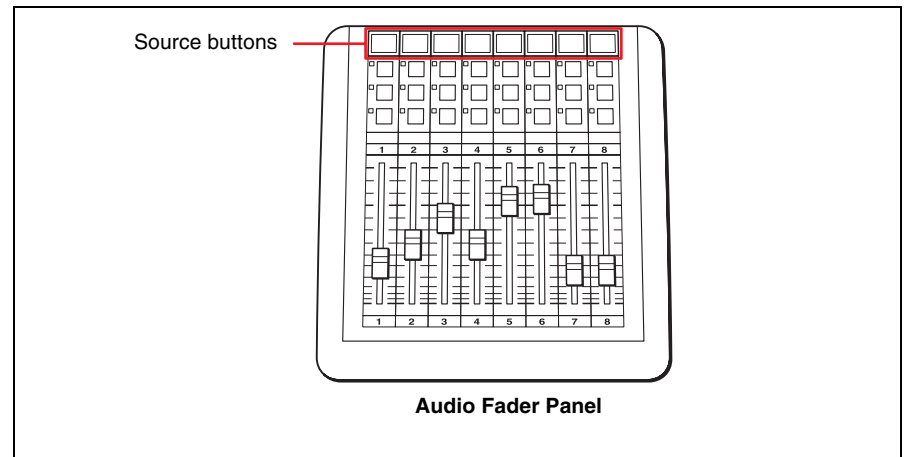
In addition to the automatic fader control function, the OA Playlist application enables you to control the audio level, and to turn audio channels on/off manually during on-air operation. You can also enable a mix-minus setting for certain channels.

*For details on the Initial Setup operations, see “Making the Audio Mixer Settings” on page 47.*

On the audio fader panel, each fader is used to control two channels, so that the eight faders can control 16 channels. For example, the leftmost fader controls channel 1 and channel B1. Channels 1 to 8 are associated with the Audio Icons for automatic fader control, and channels B1 to B8 (back faders) are used for manual fader control.

The source buttons located above the faders are used to switch these two. The button is green when the channel for automatic fader control (channels 1 to 8) is selected, and magenta when the channel for manual fader control (channels B1 to B8) is selected.

The name of the channel currently selected appears on the source button.

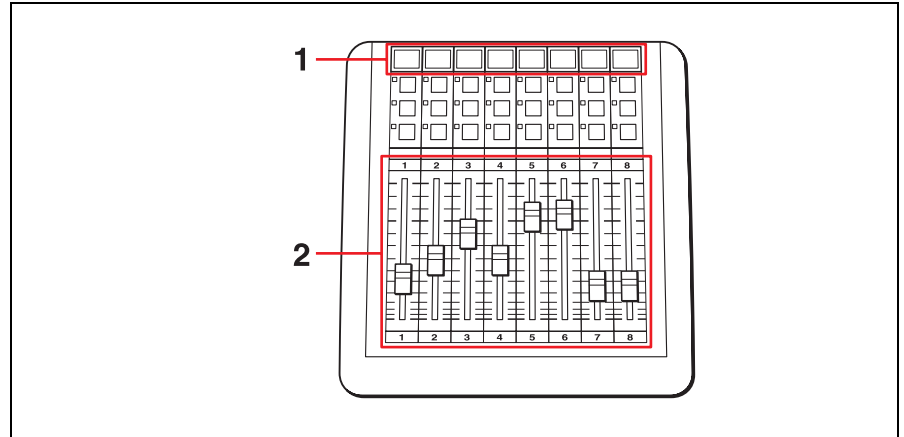


## Note

Use the Initial Setup application to modify associations between the back fader numbers (B1 to B8) of the audio fader panel and the devices. This is helpful in urgent situations, such as when there is breaking news.



## Adjusting the Audio Levels



**1** On the audio fader panel, check the name indicated on the source button and its color. The source buttons are green when the faders for automatic fader control (1 to 8) are selected, while they are magenta when the back faders for manual fader control (B1 to B8) are selected. Press the corresponding source button to toggle the selection, if necessary.

**2** Adjust the audio level by using the moving fader for the desired channel.

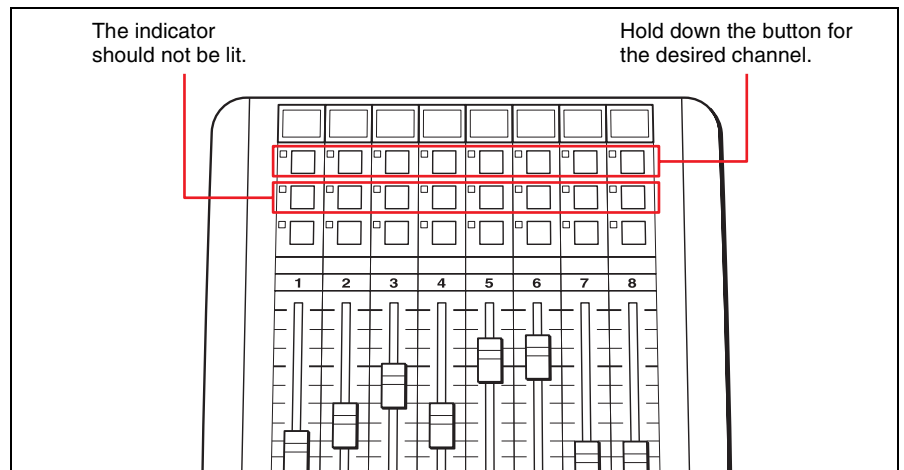
Once you touch a moving fader for automatic fader control (channel 1 to 8), the audio level specified for the cue is cancelled. For example, if you keep the moving fader at the  $-\infty$  dB position, no audio will be output even when the Next cue is taken.

### Note

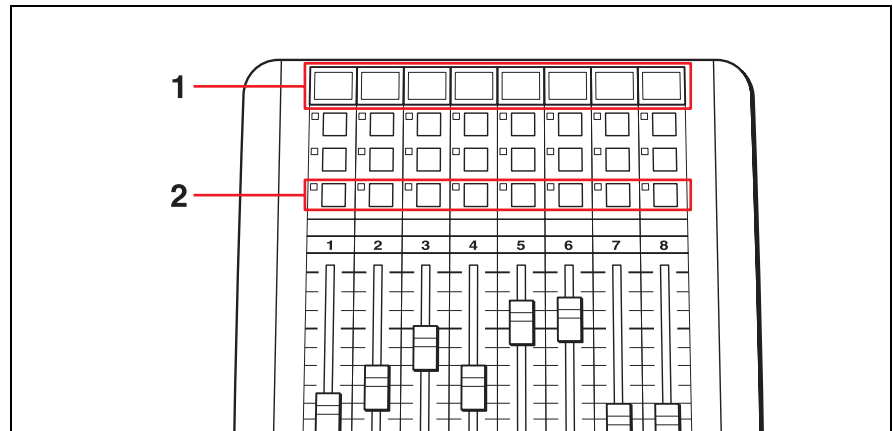
Each source button indicates the audio device name assigned to the channel for channels 1 to 8. For channels B1 to B8, the source name imported from the audio mixer or the fader number is indicated.

## To enable the pre-fader listen (PFL) function

To monitor the pre-fader sound of the audio material, make sure that the LED for the function button on the second row is not lit, and hold down the top function button for the channel associated with the desired audio device.



## Turning an Audio Channel On and Off



- 1** On the audio fader panel, check the name indicated on the source button and its color.

The source buttons are green when the faders for automatic fader control (1 to 8) are selected, while they are magenta when the back faders for manual fader control (B1 to B8) are selected.

Press the corresponding source button to toggle the selection, if necessary.

- 2** Make sure that the LED for the function button on the second row is not lit, and press the button on the third row for the desired channel.

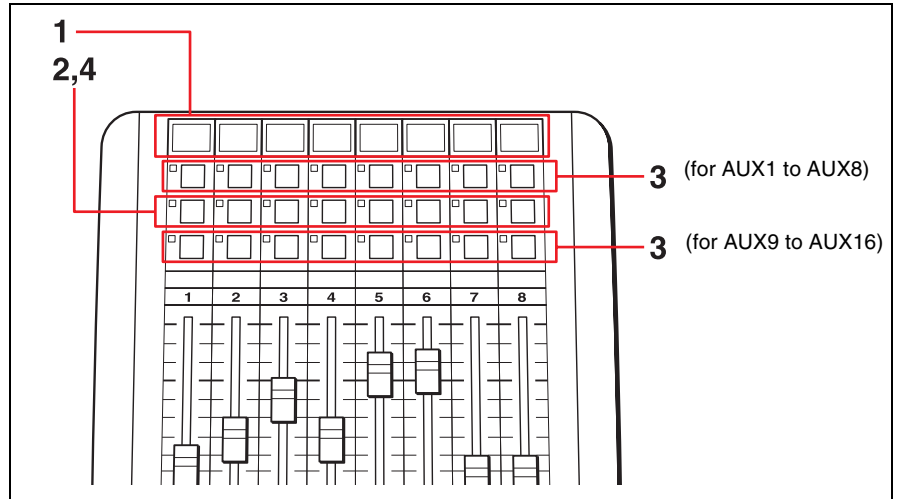
Pressing the button alternately turns audio output of the corresponding channel on and off.

The LED for the button lights while the channel is turned on. The LED does not light when the channel is turned off.

## Enabling the Mix-Minus Setting

Using the audio fader panel, you can enable the mix-minus setting for a certain channel. When the mix-minus setting is enabled for a channel, sound from that channel will be removed from the master audio output upon being sent to a certain AUX bus.

This setting is often used for a reporter at a remote location, so that he/she will not hear his/her own voice.



- 1** On the audio fader panel, check the name indicated on the source button and its color.

The source buttons are green when the faders for automatic fader control (1 to 8) are selected, while they are magenta when the back faders for manual fader control (B1 to B8) are selected.

Press the corresponding source button to toggle the selection, if necessary.

- 2** Press the function button on the second row for the desired channel, so that the LED for the button lights.

This enables the mix-minus setting for the selected channel.

- 3** Select the AUX bus to which the mix-minus audio should be sent, by pressing one of the function buttons.

AUX bus	Button
AUX1 - AUX8	Top function buttons for fader 1 to fader 8.
AUX9 - AUX16	Function buttons on the third row for fader 1 to fader 8.

The LED for the pressed button lights, and the mix-minus audio is sent to the corresponding AUX bus.

#### Notes

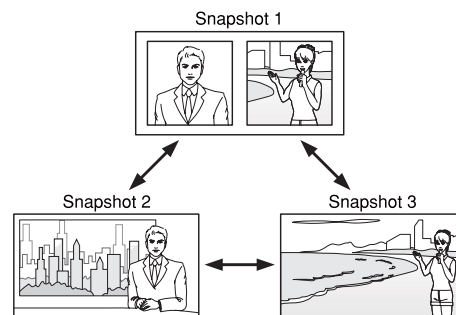
- Depending on the audio mixer you are using, there may be restrictions on using the AUX Bus.
- The mix-minus audio is sent to one AUX bus only.  
If you select another AUX bus, the mix-minus audio will be sent to the newly selected AUX bus and is no longer sent to the old one.

- 4** When the mix-minus audio becomes unnecessary, press the function button on the second row for the channel, so that the LED for the button goes off.

This cancels the mix-minus setting for the selected channel.

## Switching Multiple Snapshots Manually (2Box)

During on-air operations, you can recall and switch multiple snapshots manually. This function is useful when you want to switch to a person at the studio and to another at a different location alternately, and also when showing both persons in a separate two-panel (2Box) window as shown in the following example.



By allocating three pieces of video material (Snapshots) to three buttons of the shot box module, you can easily switch scenes with buttons when the cue is on the air.

### Required preparations

Before starting operation for multiple snapshots, do the following:

- Assign snapshots to buttons of the shot box module (Initial Setup)
- Create an Effect Icon for manual switching of the snapshots (Icon Manager)
- Set the cue containing the Effect Icon for switching multiple snapshots, and add it to the NRCS rundown (ELC Plug-in)

For details, see “Preparing for Switching Multiple Snapshots Manually (2Box)” (page 108).

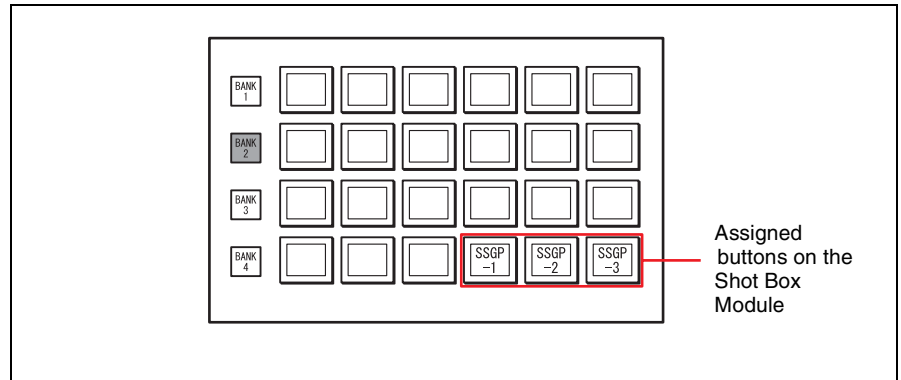
- 1 Start the OA Playlist application and start the on-air operations.

After you completely switch to the video and audio of the assigned cue, all the buttons of the groups set with the Icon Manager are enabled and light in orange. Among those buttons, the button assigned to the Standby Group source materials lights in yellow.

- 2** Press the button on the shot box module to which the desired snapshot is assigned.

You can manually switch among the assigned snapshots and switch cuts by pressing the relevant buttons.

Each time you press the button, the relevant button lights in yellow.



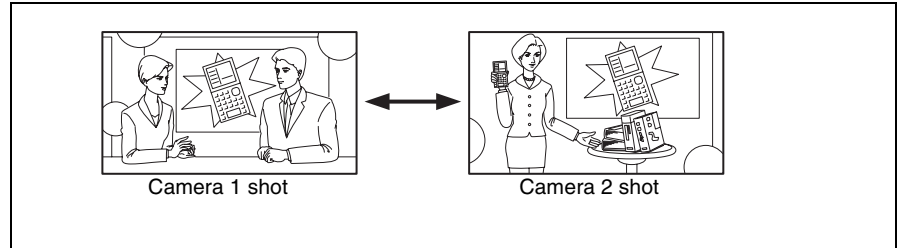
After the on-air operation of the subject cue is completed, the buttons become disabled and turn off.

# Switching Images Manually (Manual Switching)

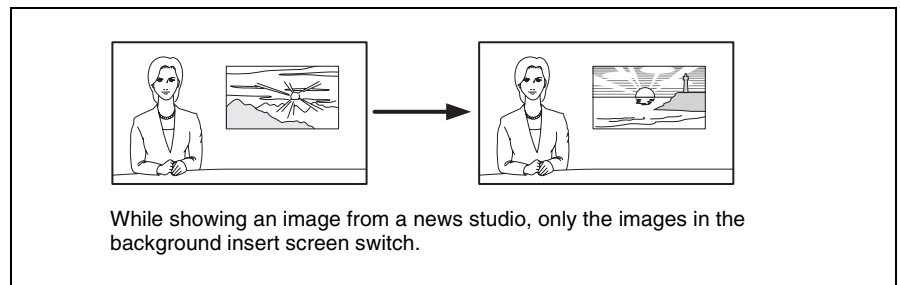
During on-air operations, you can switch images at random using the manual switching function, while in conventional on-air operations the image transition is fixed.

This function is useful when images from multiple cameras have to be switched alternately, or when you should switch only one of multiple portions of an image. The following examples show how this function is used.

Example 1: A shot is switched from camera 1 to camera 2 within a cue.



Example 2: The image in an inset screen is switched while the rest of the image remains in Picture in Picture mode.



## Required preparations

Before using manual switching, do the following:

- Assign materials used for manual switching to buttons of the shot box module (Initial Setup)
- Create an Effect Icon for manual switching (Icon Manager)
- Set the cue containing the Effect Icon for manual switching, assigning a maximum amount of materials to the Icon, and add the cue to the NRCS rundown (ELC Plug-in)

For details, see “Preparing for Manual Switching” (page 113).

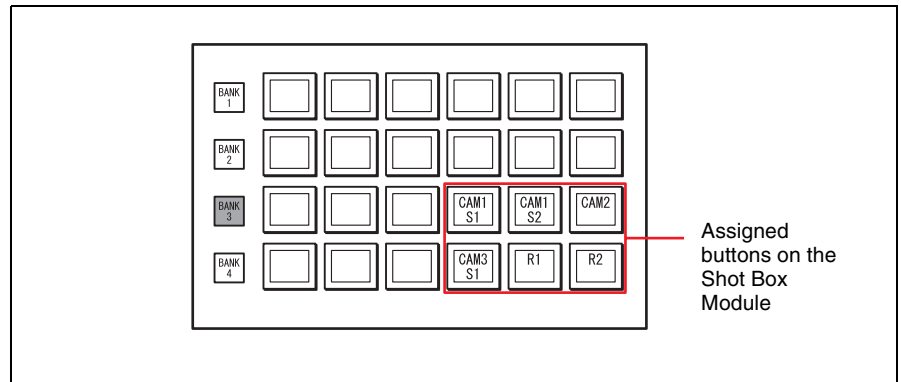
- 1 Start the OA Playlist application and start the on-air operations.

After you completely switch to the video and audio of the assigned cue, all the buttons for the Manual Switching sources set with the Cue Edit window are enabled, and all but one light in orange. Among those buttons, the button for the standby source lights in yellow.

- 2 To switch to the images, press the button on the shot box module to which the desired materials are assigned.

You can manually switch among the assigned materials by pressing the relevant buttons.

Each time you press the button, the relevant button lights in yellow.



After the on-air operation of the subject cue is completed, the buttons become disabled and turn off.

**Note**

The audio will not be switched.

# Appendix

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This section explains additional information.

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# Appendix

## Glossary

### Audio Fader Panel

The JL Cooper fader panel, which allows you to register audio input controlled by the ELC-MVS01. The following features are available:

- Display and adjustment of audio level with the Auto Fader feature
- MIX- setting
- Channel On/Off
- PFL (Pre Fader Listening) setting (Cue)

### Audio Icon

An Audio Icon represents audio materials from an audio or video server. It is used to change audio materials.

### Audio Server

A server that saves and plays audio files. An audio server does not have playlist function.

### Auto Transition

A function assigned to a button on the shot box module. Pressing the Auto Transition button starts the DSK transition.

### BKGD/ALL

A transition setting that allows you to select whether only a background image (A bus) among the images composing a cue is transitioned or the whole image of a cue is transitioned to the next cue.

### CG (Character Generator)

The device that generates and plays characters or images. A server having a playlist function. The CG/Still Store controller type with a playlist function and a storage type without a playlist function can be a different device.

### Class

A categorization of an Icon. According to the class selected, the menus show relevant options for the class.

### Continuous

A function to be used when you continuously use the same material both in a cue currently on the air and a cue to be on the air next. Usually, when the same material is set in two consecutive cues, functions such as Play, Shot Recall of Camera, etc., will operate again from the beginning with the TAKE operation. To use the same material without repeating those operations, the icon is used. Set with a Video or Audio Icon of the class. Since it is supplied by the system, it is not necessary to create this type of Icon.

### Cue

The minimum unit that can be put on the air by using the TAKE button. A cue, a frequently-used scene, is composed of Icons and their detailed settings.

### Cue to be brought on the air next

Assigning a random cue to be used on the air next. To change the order of programs or skip a cue, you can change the order of TAKE operations from the OA Playlist. When you change the order from that of the OA playlist, note that synchronization with the CG, playout server, or other device may fail.

### Cue Edit

The tool used to edit an ELC cue in the ELC Plug-in window. You can add, delete, or change components of a cue, and create a playlist.

### Current Button

The button used to instantly display the cue currently on the air while scrolling the playlist manually.

### Current Cue

The cue currently being edited, appearing at the top of the Cue Edit window.

### DDR (SonyVTR)

A disk recorder that the ELC-MVS01 can control via the Sony VTR Protocol.

**DDR (VDCP)**

A disk recorder that the ELC-MVS01 can control via the VDCP (Video Disk Control Protocol). It contains daily-use video files. To use files in the ELC-MVS01 system, you should register the required files in a file list in advance. This recorder does not have a playlist function.

**DSK (Downstream Key)**

The key to be inserted in the last program output. By using buttons on the shot box module with the function assigned, you can insert or delete the key. To synchronize the DSK with a TAKE operation, use the DSK Link function and perform a TAKE operation.

**DSK Link**

Inserting and deleting the DSK simultaneously with a TAKE operation according to the switcher settings. To perform this operation, use a button on the shot box module to which the function is assigned.

**Effect Icon**

An Effect Icon represents video effect settings. The status of the video switcher is registered as a “snapshot” in the switcher and recalled to be used in the Effect Icon. This is used to set a video effect. By switching multiple snapshots, you can create a dynamic image effect. An effect Icon contains a Video Icon as an element. Create an Effect Icon after the Video Icon is created.

**ELC Object**

A cue dragged from the ELC Plug-in to an NRCS rundown, which is called “ELC Production cue” for iNEWS and “ELC Item” for ENPS.

**ELC Plug-in**

Plug-in software that the ELC-MVS01 supplies for users to create an ELC playlist. It works as part of the NRCS client window.

**ELC Story**

A group of cues.

If you are using iNEWS, cues having the same page number in the iNEWS rundown make a group.

If you are using ENPS, cues having the same slug in the ENPS rundown make a group.

**ENPS**

The News Room Computer System (NRCS) supplied by Associated Press.

**ENPS Story**

A line of an ENPS rundown.

**Icon**

A graphic representing settings of a video switcher, audio mixer, or devices for materials including cameras, servers, and CG. It is used to create and edit a cue. The ELC-MVS01 provides Video, Audio, Transition, and Effect Icons.

**iNEWS**

The News Room Computer System (NRCS) supplied by Avid Technology, Inc.

**iNEWS Story**

A line of an iNEWS rundown.

**Initial Setup**

An ELC-MVS01 application that is used to perform setup for daily-operations.

**Initial Snapshot**

A snapshot used to initialize the Video Switcher for on-air operations, or to contain the settings made for the system. Users can select at random from Snapshots 1 to 99 of the System Setup application.

**Key Memory**

A function of the video switcher that allows the key settings to be stored automatically according to the pair number, so that the next time the same pair number is selected, these settings are recalled automatically.

**Manual Switching**

Function used to switch scenes at random, manually. You can register up to 6 video signals in the shot box module, and switch scenes by pressing the buttons on the shot box module. This function is assigned to an Effect Icon.

**NEXT M/E**

The M/E bank used for the NEXT Cue in the video switcher.

**OA M/E**

The M/E bank used for the OA Cue in the video switcher.

**Pair No.**

The combination expressed as a number of video signal and key signal assigned to a cross point. It is set by the video switcher.

**Playlist**

A list used to play each piece of material in order, created based on the rundown received from the NRCS. A server under the ELC control does not contain a playlist function, but the CG and playout server have their own playlists.

**Playlist Viewer**

The Playlist Viewer allows you to view playlists created with the ELC Plug-in application. (The software works as an application independent of the ELC Plug-in application.) While the ELC Plug-in application allows you to view only one cue, the Playlist Viewer application allows you to view the whole program structure.

**PO (Playout) Server**

A playout server is a server having a playlist function. It handles daily-changing materials. The controller containing a playlist function and the storage without a playlist function can be a different device.

**Program End**

Ending an on-air operation.

**Program Start**

Starting an on-air operation.

**Quick Cue**

The tool used to create a playlist easily in the ELC Plug-in window. You can register frequently-used device settings as a cue and use it in creating a playlist. This allows you to create, delete, rename, and sort cues. You can also move cues between folders, and manage folders.

**Robotic Camera**

The camera system that allows you to control PTZE (Pan-Tilt-Zoom-Elevation) of cameras from a remote site. You can register the camera settings as a Shot in advance, and recall the shot later.

**Shot**

Function used to save a PTZE (Pan-Tilt-Zoom-Elevation) or other status set by a camera, recall it and reproduce the same status.

**Shot Box Module**

The MKS-8033A Utility/Shot Box Module for the Sony MVS-8000 Multi Format Switcher system. The shot box module is used for allocating a variety of manual operations while on the air, including TAKE operation, or insertion or deletion of the DSK.

**Snapshot**

The function to save a status set by the video switcher in the switcher memory, recall it and reproduce the same status. It has 99 registers for each region, block classified according to functions.

**TAKE**

Progressing on-air operation to the next cue on the playlist, making the NEXT Cue the OA Cue.

**Transition Icon**

A Transition Icon represents a video transition setting. Various video transition settings are registered as a “snapshot” in the switcher, and the Transition Icon represents the snapshot. It is used to make the transition from one cue to the next one.

**Video Icon**

A Video Icon represents video materials of cameras, video servers, CG, and DDR. It is used to change video materials.

**V/K**

Video signal and Key signal.

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