

28. Audio Mixer Control

The switcher can connect and control an Audio Mixer remotely via RS-422 using ESAM II protocol. The Audio Follow Video function is available, which allows users to set audio playback to follow video images.

28-1. Connecting Audio Mixers

◆ Connecting the HVS-390HS to an Audio Mixer

Use an RS-422 cable to connect HVS-390HS to an Audio Mixer. Connect the cable to an RS-422 port (Port 1 to 4) on HVS-390HS. Refer to the Audio Mixer user's manual to connect the cable to the audio mixer.

◆ Assigning an Audio Mixer Channel to an RS-422 port

- (1) Display the [SETUP - SYSTEM - RS-422] menu.
- (2) Turn **F1** to select an RS-422 port under **SELECT**.
- (3) Turn **F2** to set MIXER for **FUNC**. Press **F2** to confirm the setting.
- (4) Verify that **PARITY** is set to **EVEN** and **BAUD** to **38400**. (If **FUNC** is set to **MIXER**, **PARITY** and **BAUD** will be automatically set.)

```
SYSTEM  :SELECT : FUNC   : BAUD   : PARITY : 1/1
RS-422  : =PORT1: =MIXER: =38400: =EVEN  :
```

- (5) Restart the switcher.

28-2. Audio-Follow-Video Setting

- (1) Display the [SETUP - EXT I/F] menu.
- (2) Turn **F1** to select >AUD MXR, then press **F1** to display the[AUD MXR (AUDIO MIXER)] menu.

```
SETUP    :>EDITOR >TSL TLY >VTR/VDCP>ROUTER
EXT I/F  :>AUD MXR
```

- (3) Set **ENABLE** to **ON** to enable Audio-Follow-Video. (The Audio-Follow-Video ON/OFF can be assigned to a user button.)
- (4) Select a video bus between M/E1 and M/E2 under **BUS**.
- (5) Select a video signal under **SIGNAL**.
- (6) Select an audio (audio crosspoint) following the selected video under **AUD XPT**. Press **F4** to confirm the setting.

```
EXT I/F :ENABLE : BUS   : SIGNAL : AUD XPT: 1/1
AUD MXR : =ON    : =M/E1 : =IN04 : =1     :
```

In the above setting example, the audio playback is set to No. 1 on the Audio Mixer, when the M/E1 bus signal is changed to **IN04** on the switcher.

AUD XPT Setting

Setting	Description
NONE	Audio selection is not changed, maintaining the last selection, whenever any video signal is selected.
1-64	When the specified video signal (set under SIGNAL parameter) is selected on an M/E, Audio Mixer changes audio to the specified bus
FLWME	This setting is available only for M/E1 (re-entry) on the M/E2. Audio Mixer changes audio to the same bus as assigned to the input signal selected on the M/E1 PGM. (See the setting example in the next page.)

Setting Example when using Re-entry

In the following menu settings, if the M/E1 bus signal is changed to **IN04** on the switcher, the audio playback is changed to No. 1 on the Audio Mixer.

In addition, when the M/E2 bus is set to **FLWME** for the M/E1 signal as shown below, the audio playback is set to No. 1 on the Audio Mixer if the M/E1 re-entry signal is selected on the M/E2 bus and the M/E1 bus signal is changed to **IN04**,

EXT I/F : ENABLE : BUS : SIGNAL : AUD XPT : 1/1
AUD MXR : =ON : =M/E1 : =IN04 : =1 :

EXT I/F : ENABLE : BUS : SIGNAL : AUD XPT : 1/1
AUD MXR : =ON : =M/E2 : =M/E1 : =FLWME :

Default Video and Audio Assignments

Video	Audio bus
BLACK	NONE
IN01 to IN24	1 to 24
STILL1 to 4	NONE
STILLKEY	NONE
MATTE1	NONE
MATTE2	NONE
COLORBAR	NONE
M/E1	NONE

29. Editor Control (Option)

The switcher can be controlled from an editor. See section 29-1."Editor Control Settings" for controlling the editor and section 29-2 "Connection Settings with Editor (EDITOR port setting)" for editor connection.

The HVS-39ED software option is required for editor control.

29-1. Editor Control Settings

(1) Open the [SETUP - EXT I/F - EDITOR] menu.

```

SETUP      :>EDITOR >TSL TLY >VTR      >ROUTER
EXT I/F    :>AUD XPT >AUX UNIT
    
```

(2) Select a protocol at **TYPE** between DVS(SONY DVS/BVS series compatible) and GVG-K/Z.

(3) Set **ENABLE** to ON to enable the editor control. (The Editor Control On/Off function can be assigned to a USER button. See section 0. "USER Button.")

```

FUNCTION: TYPE      : ENABLE : SELECT : WIPE   : 1/2
EDITOR   : =DVS     : =ON   : =ME    : =NORML:
    
```

(4) If DVS is used, the bus to be controlled from the editor must be specified. Refer to the table below to set the bus under **SELECT**. If PREV, PREV ON or ALL is set, AUX1 will be the edit preview bus and with crosspoint number is 35. Set your editor accordingly.

Setting	Description
ME	Controls the M/E bus when ENABLE is ON.
PREV	Controls the preview bus when ENABLE is ON.
ALL	Controls both M/E bus and preview bus when ENABLE is ON.
ME ON	Always controls the M/E bus regardless of ENABLE setting. Controls both M/E bus and preview bus when ENABLE is ON.
PREV ON	Always controls the preview bus regardless of ENABLE setting. Controls both M/E bus and preview bus when ENABLE is ON.

(5) If G-K/Z (GVG protocol) is used, select the pattern control mode between two below at **WIPE**.

Setting	Description
NORMAL	Same wipe pattern numbers (0-99) as in the switcher are used in the editor. (default setting)
LIST	Ten wipe patterns saved to Direct Pattern memory are used in the editor as Direct Pattern Nos. 90-99. (GVG-Protocol only)

(6) Press the page down button to go to PAGE2.

```

FUNCTION: XPT CTL: WIP CTL: KEY CTL:      : 2/2
EDITOR   : =INPUT: =ON   : =ON   :      :
    
```

(7) Select the crosspoint control mode between two below at **XPT CTL**.

INPUT	Specify a signal by using the input number from the editor. (Default setting)
BUTTON	Specify a signal by using the button number from the editor.

BUTTON(HVS-392OU)	
Selected bus	Button number
1-40	1-40

BUTTON(HVS-392ROU)	
Selected bus	Button number
1-24	1-24

BUTTON(HVS-392WOU)	
Selected bus	Button number
1-56	1-56

INPUT	
Input number	Source signal
0	BLACK
1-24	IN01-IN24
29-32	STILL1-4
37	COLOR BAR
38, 39	MATT1-2

(8) Set to enable/disable the wipe pattern control under **WIP CTL**.

(9) Set to enable/disable the KEY control under **KEY CTL**. (Be careful that in such case KEY will not turn automatically OFF when ALL STOP is received in the switcher.)

29-2. Connection Settings with Editor (EDITOR port setting)

The connection settings with an editor are made in the [SETUP - SYSTEM - RS-422] menu as shown below.

(1) Open the [SETUP - SYSTEM - RS-422] menu.

SYSTEM	:SELECT	:FUNC	:BAUDRAT	:PARITY	: 1/1
RS-422	: = EDITR	: = EDIT	: =38400	: =ODD	:

(2) Turn **F1** to select **EDITR** (EDITOR).

(3) Turn **F2** to select **EDIT** (EDITOR)

(4) Turn **F3** to select the baud rate. (It is normally not necessary to change this.)

(5) Turn **F4** to select the parity. (It is normally not necessary to change this.)