



Super Edit™ TECH NOTE
Version 8.4D and 1.0

Sony MXP-290 Audio Mixer **With Soundcraft VSA 24 II and ESAM-2**

NTSC/PAL: NTSC

Control: Direct

Protocol: ESAM-2 (2 channel)

Options Required: Soundcraft VSA 24 II interface adapter

Preview Options: No internal Preview Switcher. Proper preview requires E-E preview switching or a preview switcher.

Reference: Neither the MXP-290 board nor the VSA 24 II accept an external reference.

Cable Requirements:

9 pin (m/f) from VSA 24 II SERIAL IN to AUDIO CTL on the Editor.
15 pin (m/f) from VSA 24 II Channel 1-8 port to EDITOR1 on MXP-290.

Mixer Accuracy: Nominal with current software. The Editor can adjust In and Out times. Audio times are trimmed with a single adjustment.

Audio Track Section:

4 Stereo pairs (CH1 & CH2); 8 monaural channels.

For Stereo mode: Press STEREO MODE switch on MXP-290 connector panel (switch lit) and press STEREO push button on VSA 24 II (Stereo indicator ON).

In this mode, Super Edit audio cross-points are:

- Machine 1 - CH1 (L) first fader
- Machine 1 - CH2 (R) second fader
- Machine 2 - CH1 (L) third fader
- Machine 2 - CH2 (R) fourth fader
- Machine 3 - CH1 (L) fifth fader
- Machine 3 - CH2 (R) sixth fader
- Machine 4 - CH1 (L) seventh fader
- Machine 4 - CH2 (R) eighth fader

For Monaural Mode: Release STEREO MODE on MXP-290 connector panel (switch extinguished) and release STEREO pushbutton on VSA 24 II (Stereo indicator extinguished).

In this mode, Super Edit audio cross-points are Channels 1 through 8 and up to 8 sources.

E-MEM Capabilities: None

Soundcraft VSA 24 II PROM Levels:

PROM VERSION

IC 26 V2.04

IC 30 V1.02

Mixer Setup

To operate with a VPE or DPE editor, the mixer requires the VSA 24 II option.

1. Connect a 9 pin D-type (male to female) RS-422 serial cable from the AUDIO CTL port on the Editor rear panel to the SERIAL IN connector on the rear panel of the VSA 24 II frame.
2. Connect a 15-pin D-type (male to female) cable from the VSA 24 II Channel 1-8 port to the EDITOR 1 connector of the MXP-290. See the Operation and Maintenance Manual for the control signal pin outs.
2. For a System 31, 41, or 51 Editor, set the AUDIO CTL port for 38.4Kbaud, RS-422, odd parity. Refer to I/O boards section of the Editor Service Manual for instructions.

The VPE-131, 141, 141L, 151, 241, 241L, 251, 331, 341, 351 and all DPE editors are already set correctly at the factory.

3. Set the communications parameters on the PC board located inside the VSA 24 II frame as follows:

SWITCH SETTING

SW 10

Position 2 (RS-422)

Position 6 (Reply)

JUMPER SETTING

J8 In (38.4K baud)

J15 Out (ODD parity)

J16 Out

J17 Out

Establishing Communications

To establish communications between the MXP-290 and the Editor:

1. Set FADE START on the VSA 24 II front panel to AUTO ON mode to put the VSA 24 II under Editor control.
2. Depress the STEREO push button on the VSA 24 II front panel to turn it ON if you want stereo mode. In this mode, audio cross-points are assigned as follows at the editor:

- Machine 1 - CH1 (L) first fader
- Machine 1 - CH2 (R) second fader
- Machine 2 - CH1 (L) third fader
- Machine 2 - CH2 (R) fourth fader
- Machine 3 - CH1 (L) fifth fader
- Machine 3 - CH2 (R) sixth fader
- Machine 4 - CH1 (L) seventh fader
- Machine 4 - CH2 (R) eighth fader

If you want monaural mode, set the STEREO push button to OFF (push button released). IN this mode the audio cross-points are assigned as 1 through 8 for up to 8 sources.

3. Set the STEREO MODE switch on the MXP-290 connector panel to ON (depressed) for stereo mode or OFF (released) for monaural.
4. The EDITOR CONTROL lamp on the MXP-290 mixing console illuminates when communicating with the VSA 24 II and the Editor.
5. Release the LOCAL switches for each VCA to enable the Editor to control each channel.
6. From the editing application, assign mixer cross-points as described in your editor's Operator's Guide.
7. At the Editor Keyboard, press **[SHIFT][RESET]** to establish communication with the mixer. The green VTR keys should now allow cross-point selection.