

MX-1

MIXING CONTROLLER

Operational Manual

**V.1.02
AUG. 1996**

Vestax Musical Electronics Corp.
2870 Cordelia Rd. Ste. 100
Fairfield, CA 94585

Table of contents

i.	Overview	3
A.	Connecting the MX-1 to the HDR-6,HDR8.....	3
A1.	Connecting Multiple HDRs to MX-1.....	3
B.	Operation.....	4
C.	Front Panel Explanation.....	6
D.	Technical support and repair.....	7

Before installation, please make sure the AC plug is removed from the unit.

I.OVERVIEW

The **MX-1** is the new remote portable mixing console designed especially for the HDR series recorders. It controls all the continuous controller mixing parameters of the HDR's built in digital mixer, transport controls, and record/mute functions. The only connections required are MIDI cables.

The **MX-1** contains dedicated level faders, dedicated pan knobs, double feature buttons for mute/record and assignable knobs for AUX send level, EQ control, or pre-level EQ level per track. There are also dedicated AUX master send level knobs.

MIDI Machine Control is used for the transport functions and MIDI Continuous Control is used for the mixing functions. Up to 4 HDR's of any combination of HDR-6s or HDR-8s can be controlled with a single **MX-1**. Select the HDR with a push of the button. **MX-1** also features 20 mixer snap shots which allows you to recall the mixer settings you have programmed instantly !

A. Connecting MX-1 to the HDR-6 / HDR-8

Plug in the HDR power cable.

Plug in the MX-1 power plug.

Connect MIDI cable from MX-1 MIDI out to the HDR MIDI in Jack

Connect MIDI cable from HDR MIDI out to MX-1 MIDI in Jack

Turn on HDR

Turn on MX-1

A1.-----Connecting Multiple HDRs to MX-1

Plug in the HDR power cable.

Plug in the MX-1 power plug.

Connect MIDI cable from MX-1 MIDI-out to HDR 1 MIDI IN jack

Connect MIDI cable from HDR 1 MIDI THRU to HDR 2 MIDI in jack

As necessary, go from HDR MIDI THRU jacks to consecutive HDR MIDI IN jacks.

No cable need go back into MX-1 with multiple machines.

B. Operation

SETTING UP HDR

On HDR: Select MIDI Channel using Utility button.

Turn jog dial until "CC" (Continuous Controller) is displayed. Press ENTER.

Turn jog dial until "ch 1"(you can use any channel from 1-16.)

If using more than 1 HDR, use a different channel for each HDR.

Select HDR Display mode. While in MIDI mode:

Turn jog dial until "display"/ press ENTER.

Turn jog dial to "Respnd"/ press ENTER.

This allows you to "see" MX-1 parameter changes on the HDR's LED's. It is not required.

***Note- When making Mode changes, hold ENTER button until blinking lights stops.

SETTING UP MX-1

Turn Power on.

Press mode button until "unit" LED lights. This selects which HDR (1-4) you are using.

Use (up) or (Down) buttons until appropriate HDR unit is selected.

(ie. if using only 1 HDR, set to "1")

Press ENTER on MX-1 until blinking stops

Press mode button until "MIDI ch" LED lights.

Use (up) or (down) to select the MIDI channel the HDR was set to.

Press ENTER.

Press mode button until "HDR-6 or HDR-8" shows in the display screen.

Use (up) or (down) to select either "6" or "8" depending on which you are using.

Press ENTER.

At this point, move pan knobs or slide faders and HDR mixer parameters should change. You will see this on the HDR display. If nothing seems to be happening, please verify each step of the HDR setup and MX-1 set up.

Activating the Faders and Knobs

The knobs and faders have *null points* at which they are activated. When they are activated, the LEDs for that track turn off. For the faders, keep in mind the HDR defaults volume at "0.00" which is **all the way up** on the MX-1 faders.

To activate the fader for the appropriate track, slide it all the way to the top (0:00) and then slide it down. It should "grab" the volume when it is at the top. Once activated, it stays activated until the MX-1 is turned off again or a different snapshot is pulled up.

To activate the knobs, find the center point (straight up) and the LEDs for that knob will turn off. It is then activated.

Snapshot Feature

The Snapshot menu of the Mode Button will hold 20 mixer snapshots for a single Hdr unit. If connected to 2 HDRs, it will hold 10 for each HDR. If 3 HDRs are connected, it will hold 7,7, and 6 respectively. For 4 HDRs, it will hold 5 snapshots for each.

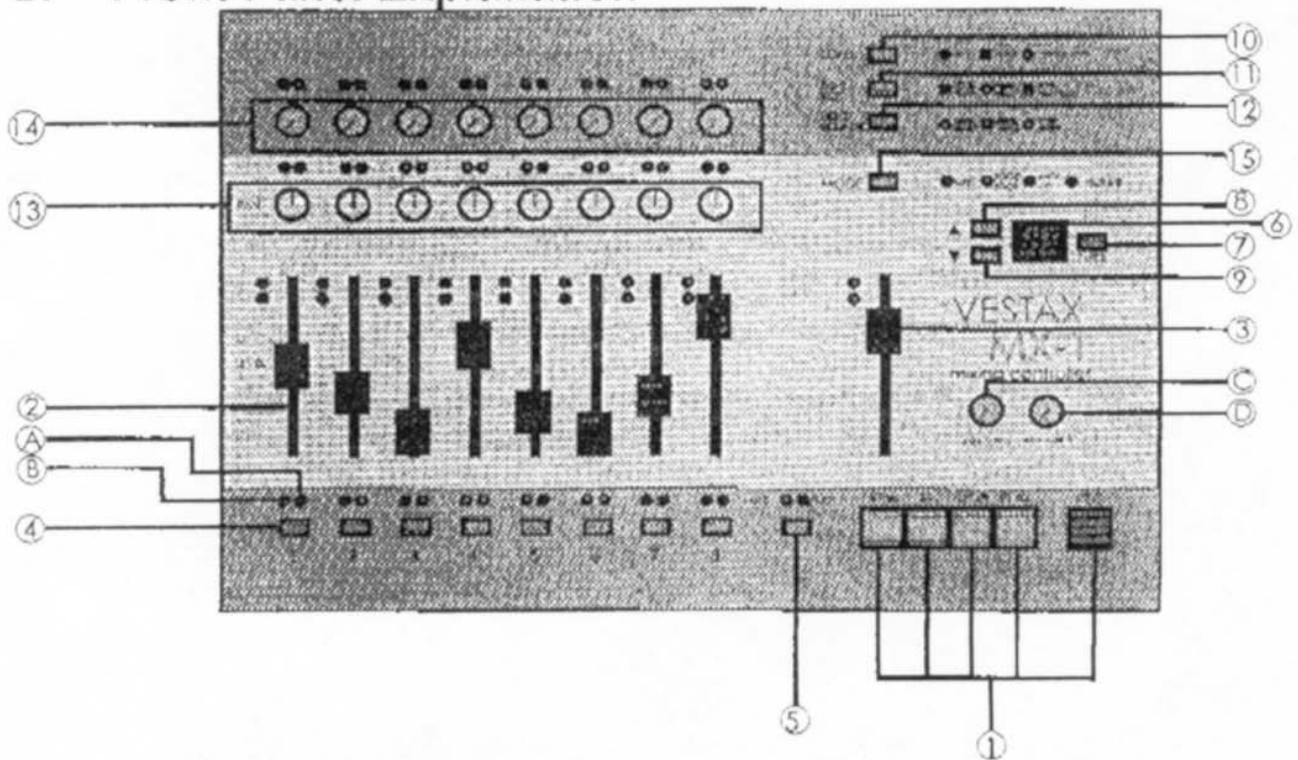
Clearing all settings to default (Re-initializing)

Connect a single cable from MX-1 midi out to MX-1 midi in jack.

Hold Rew/FF/Stop/Play buttons down while turning on power. All LEDs light and the display counts down backwards 4 times, then Counts up to 20. Then (-) After all LED's light, turn MX-1 off and on again.

All snapshots are reset to default.

C. Front Panel Explanation



- | | |
|--|---|
| <p>1.) Transport control buttons
Rewind, Fast Forward, Stop, Play and Record are all controlled by the appropriate buttons.
To record, hold down "Record" and press "play".</p> | <p>6.) Display window
Used to give user operational information.</p> |
| <p>2.) Volume Fader Controls
These faders control the volume for each of the individual tracks.</p> | <p>7.) Enter Button
Enters parameter changes</p> |
| <p>3.) Master Volume Fader
Controls master output volume, L and R are controlled simultaneously by this single fader.</p> | <p>8.) Up Button
Changes parameters up</p> |
| <p>4.) Mute/Record buttons
These buttons either mute the tracks or arm each track for recording depending on where the (5)mute/record select button is set. Green is mute mode. Red is record mode.</p> | <p>9.) Down Button
Changes parameters down</p> |
| <p>5.) Mute/Record Select Button
Selects either Mute mode (green LED) or Record mode (red LED) with this button.</p> | <p>10.) Level
Cycles between Aux 1 level, Aux 2 level and pre EQ levels per Track (used in conjunction with knobs)</p> |
| | <p>11.) EQ1
For HDR-8 : EQ level, frequency and type (used in conjunction with rotary knobs) For HDR-6: HI level EQ, MID level, and MID frequency.</p> |
| | <p>12.) EQ2
For HDR-8: EQ level, EQ frequency and type (used in conjunction rotary knobs).</p> |

For HDR6 : LOW EQ, AUX 3 send level, AUX 4 send level.

- 13.) **Pan Controls**
Controls pan for each track
- 14.) **Control Knobs**
Controls individual parameters per track. Used in conjunction with level buttons, EQ1 button and EQ2 button.
- 15.) **MODE**
Mode button cycles between unit number (of HDR), snapshot number (up to 20), MIDI ch (1-16), and HDR selection (6 or 8)
- 16.) **MIDI In Jack**
Connects to MIDI out Jack of HDR
- 17.) **MIDI Out Jack**
Connects to MIDI In Jack of HDR
- 18.) **MIDI Thru Jack**

- 19.) **Power Plug**
15v DC
- A) **Green LED**
Mute LED. When LED is on, normal. When LED is off, track is muted
- B) **Red LED**
Record LED. When LED is off, normal. When LED is on, track is armed for record
- C) **Aux 1 Control Knob**
Controls volume to Aux 1 send
- D) **Aux 2 Control Knob**
Controls volume to Aux 2 send.

Specifications

Type:	MIDI mixer controller
Controllable units:	up to 4 units
Controls:	mute (or record arm), volume, pan, assignable knobs for AUX sends or EQ parameters, AUX master send, transport (play, stop, rec, ff, rew), mode select, up/down and enter
MIDI channel:	selectable from 1 to 16
Snap shots:	20
Connector:	MIDI in, MIDI out, MIDI Thru, DC in
Power:	DC 15V 100mA (DC15PMC)

D Technical support and service

Please contact Vestax or its authorized distributor for technical support.

U.S.A: Vestax Musical Electronics Corp.
TEL: 707-427-1920 FAX: 707-427-2023
E-mail: VESTAXUSA@aol.com

Japan: Vestax Corporation 03-3412-7011
U.K.: Vestax (Europe) LTD. 01428-653117