HMX Network Audio System
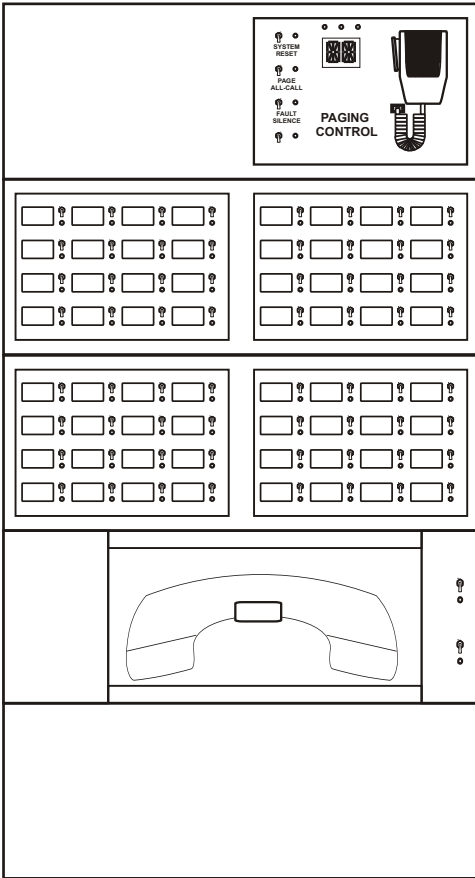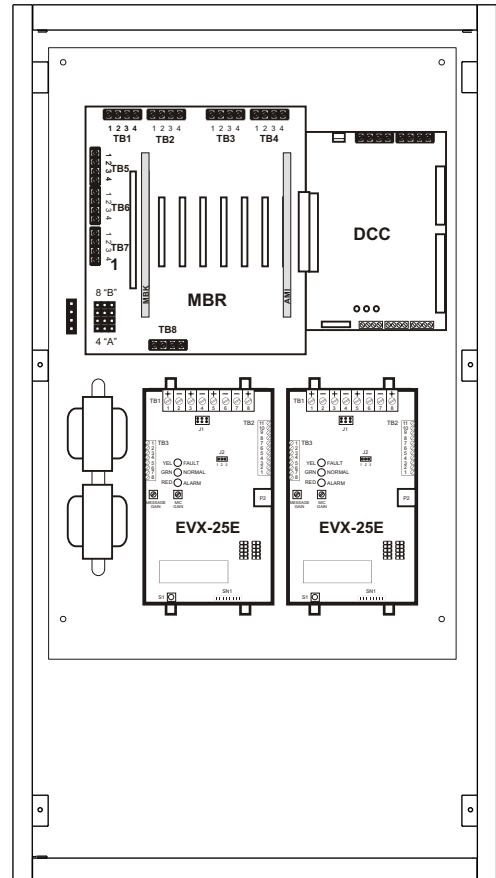
EVAX SYSTEMS
SOUND SOLUTIONS

EVAX HMX-MP
Master Panel

EVAX HMX-DP
Distributed Panel

System Configuration:

Master Panel (HMX-MP)

Master Mic Control
16 Switch Control points
Dual Channel DMR
High Speed communication loop

Optional
Integrated Master Fire Phone

Fiber Optic Network capable

Maximum System Configuration

Up to 1000 switch/input points

Distributed Panel (HMX-DP)

4 Output Zones (may be configured for 8)
Dual Channel Audio Interface
Dual/Single Channel Amplification

Amplifier Options:
25 / 50 / 100W Dual Channel
25 / 50 / 100 / 200W Single Channel

Optional
Integrated Fire Phone
4 Circuits expandable to 8, 12 or 16

Fiber Optic Network capable

Maximum System Configuration

Up to 256 Distributed Panels (HMX-DP)

MEA
277-96-E

6911-1446:103

UL LISTED
#S5661

20 McDermott Road Branford, CT 06405 PH: 203-315-5116 FAX: 315-5118 www.evax.com

Master Panel Configurations:

HMX-MP16	Master Panel, 16 Switch Control
HMX-MP32	Master Panel, 32 Switch Control
HMX-MP48	Master Panel, 48 Switch Control
HMX-MP64	Master Panel, 64 Switch Control
HMX-MP80	Master Panel, 80 Switch Control
HMX-MP96	Master Panel, 96 Switch Control
HMX-MP16/P	Master Panel, 16 Switch Control, Master Fire Phone
HMX-MP32/P	Master Panel, 32 Switch Control, Master Fire Phone
HMX-MP64/P	Master Panel, 64 Switch Control, Master Fire Phone
HMX-MP80/P	Master Panel, 80 Switch Control, Master Fire Phone
HMX-MP96/P	Master Panel, 96 Switch Control, Master Fire Phone

Panel Options: *Cards may be added as job requirements demand*

MX-MFP	Master Fire Phone	Enables system to incorporate 2 way communication. Included with /P panels.
MX-SSC	Switch Scan Card	Included in basic panels, up to 7 additional cards may be added.
MX-SLC	Switch LED Card	16 Switch LED Bank, up to 8 per MX-SSC.
MX-II	Audio Module Interface Card	One included with basic panel, additional cards give 16 control inputs each. Maximum of 8.

Distributed Panel Configurations:

HMX-DPS25	Distributed Panel, Single Channel, 25W
HMX-DPS50	Distributed Panel, Single Channel, 50W
HMX-DPS100	Distributed Panel, Single Channel, 100W
HMX-DPS25/P	Distributed Panel, Single Channel, 25W, Fire Phone
HMX-DPS50/P	Distributed Panel, Single Channel, 50W, Fire Phone
HMX-DPS100/P	Distributed Panel, Single Channel, 100W, Fire Phone
HMX-DP25	Distributed Panel, Dual Channel, 25W
HMX-DP50	Distributed Panel, Dual Channel, 50W
HMX-DP100	Distributed Panel, Dual Channel, 100W, Single Channel 200W
HMX-DP25/P	Distributed Panel, Dual Channel, 25W, Fire Phone
HMX-DP50/P	Distributed Panel, Dual Channel, 50W, Fire Phone
HMX-DP100/P	Distributed Panel, Dual Channel, 100W, Fire Phone, Single Channel 200W

Panel Options: *Cards may be added as job requirements demand*

MX-MBK	Motherboard Relay Card	Expands MBR output 8 Class B or 4 Class A circuits
MX-FPI	Fire Phone Interface Card	Included in /P panels, up to 3 additional cards may be added
MX-FPO	Fire Phone Output Card	Used with additional MX-FPIs for termination
MX-AMI	Audio Module Interface Card	Included with basic panel, additional cards give the ability to control multiple modules

Technical Characteristics:

Primary Power: 120 VAC

24 VDC Battery Power

Electrical Ratings: All Circuits @ 24VDC.

Communications Bus: RS-485 Standard,
1M Baud data rate, Low Capacitance cable.

Voltage: 5V peak-to-peak max.   Frequency: 1.024MHz
Current: 50mA max.   Impedance: 120 Ohms (max. imp. between panels)

Master Panel

	Standby	Alarm
DCC	80 mA	80 mA
ASC	30 mA	30 mA
MFP	10 mA	10 mA
SSC	25 mA	25 mA
SLC	6 mA	6 mA
MMC	45 mA	45 mA
IOI	20 mA	20 mA

Distributed Panel

	Standby	Alarm
DCC	55 mA	55 mA
MBR	10 mA	55 mA
AMI	10 mA	10 mA
FPI	13 mA	13 mA

Battery Charging: Maximum charging current from
EVX-25/50 is 800mA. Maximum battery size is 17Ah
EVX-100 is 1A. Maximum battery size is 24Ah

Backbox Dim: 14.5 x 27 x 4" *w•h•d*
Color: Charcoal Grey•*std* Red•*optional*