EVAX
by **P POTTER**

EVAX HMX
Network Audio System

Features

- Master Mic Control
- 16 Switch Control Points
- Dual Channel DMR and Audio Interface
- High Speed Communication Loop
- 25/50/100 Dual or Single Watt Amplifier (200W Single Channel optional), Dual/Single Amplification
- Configuration for 4 or 8 Output Zones
- 120 VAC Power Supply and Battery Charger
- Live Microphone Override of Message and Tone
- Compatible High Reliability, No Maintenance, Fully Supervised
- Easy Installation and Operation
- Studio Quality Voice Recordings Built in Alarm and Alert Signals

ASSEMBLED IN THE USA

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Description

The HMX MP and DP panels operate with any Fire Alarm Control Panel (FACP) and provide 25, 50 or 100 Watts of speaker power. The EVAX panel has its own power supply and battery charger. The Panel must be wired with 120 or 240 VAC and standby batteries connected. The HMX panel is housed in a surface or semi-flush mounted backbox with a hinged and key locked door.

The HMX-MP Master Panel (HMX-MP) utilizes a Master Mic control with 16 switch control points along with a dual channel DMR and a high speed communication loop. Maximum system configuration allows up to 1,000 switch/input points, and an integrated fire phone is available as an option.

The HMX-DP Distributed Panel has 4 output zones available and can be configured for 8. The panel has dual channel audio interface and dual (25/50/100W available) or single (25/50/100/200W available) channel amplification options. An integrated Fire Phone is optional, as well as 4 circuits expandable to 8, 12 or 16.with a maximum system configuration of up to 256 HMX-DP panels.

Technical Specifications

Dimensions	14.5" x 27" x 4" (W x H x D)
Primary Power	120 VAC
Battery Power	24 VDC
Electrical Ratings	All circuits @ 24VDC
Voltage	5V peak to peak max
Frequency	1.024MHz
Current	50mA max.
Impedance	120 Ohms (max between panels)
Battery Charging	EVX-25/50: 800mA, maximum battery size 17Ah EVX-100: 1A, maximum battery size 24Ah
Communications Bus	RS-485 standard, 1M Baud data rate, low capacitance cable
Color	Charcoal Grey Red (Optional)

HMX-MP 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.
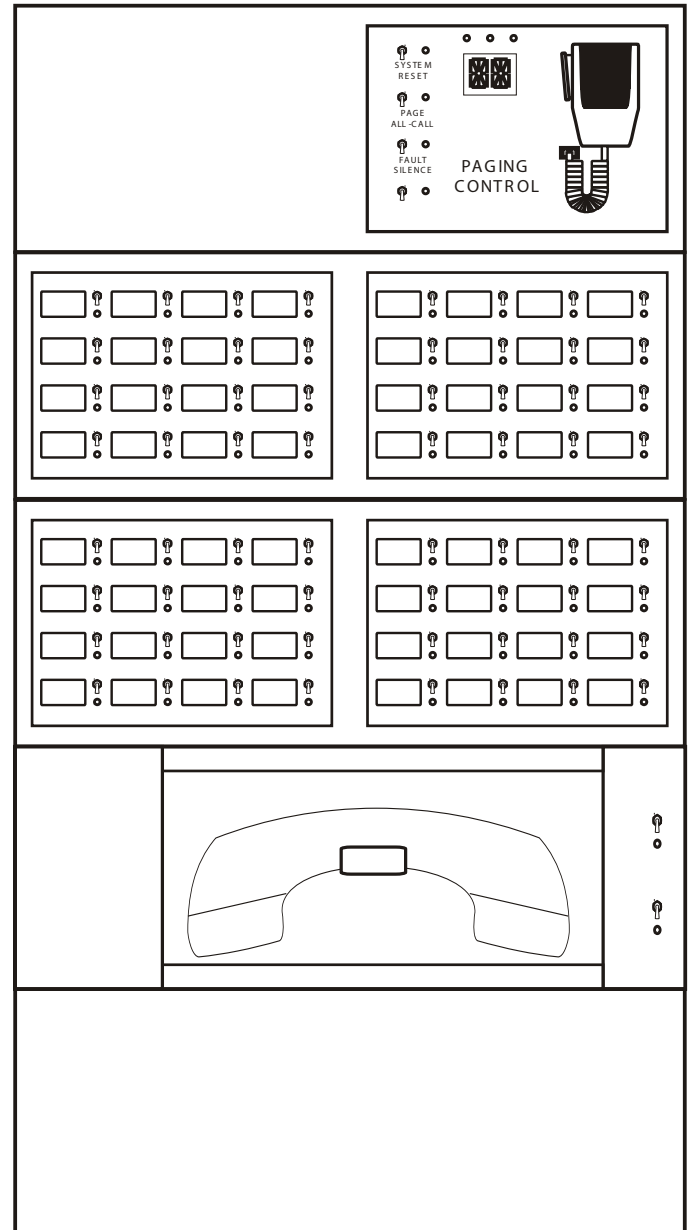
MX-MFP — Master Fire Phone
Enables system to incorporate 2 way communication. Included with /P panels.

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.

HMX-MP Master Panel Current for Components		
Component	Standby	Alarm
DCC	83 mA	83 mA
ASC	23 mA	33 mA
MMC	46 mA	46 mA
MFP	9 mA	9 mA
IOI	18 mA	19 mA
SSC	28 mA	28 mA
SLC	0.2 mA	16 mA

HMX-DP 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

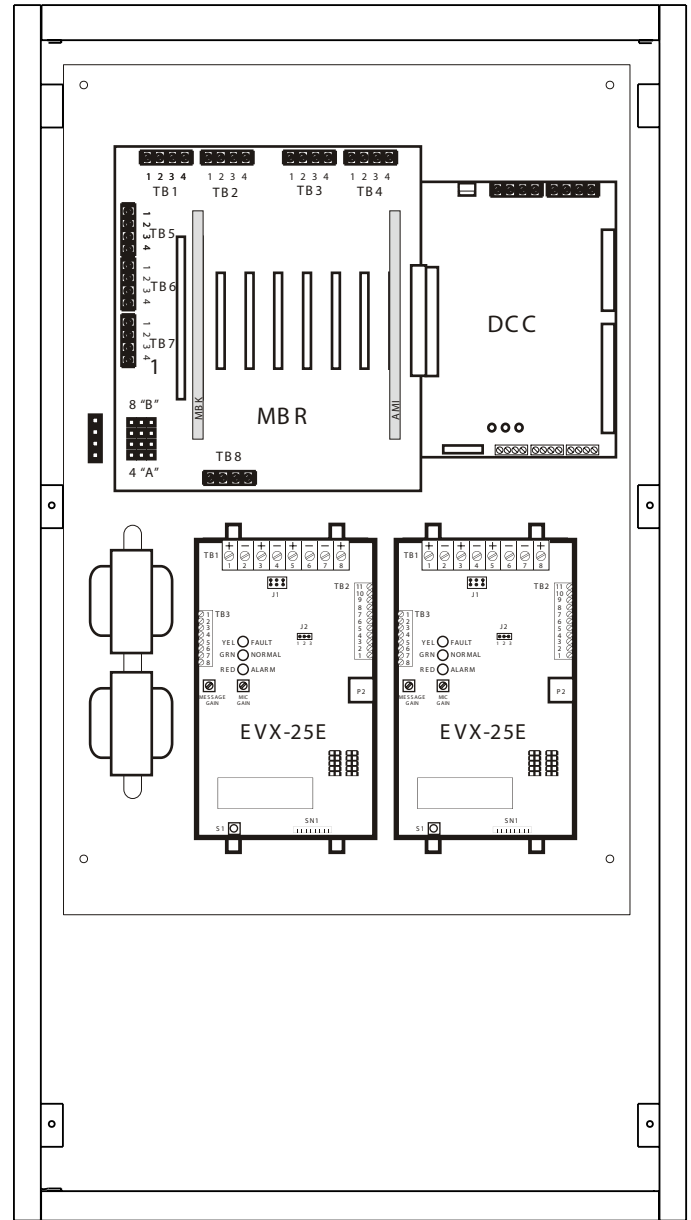## Panel Options
Cards may be added as job requirements demand.

MX-MBK	Motherboard Relay card Expands MBR output to 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-II	Audio Module Interface Card Included with basic panel, additional cards give the ability to control multiple modules.

HMX-DP Distributed Panel Current for Components		
Component	Standby	Alarm
DCC	82 mA	84 mA
MBR	31 mA	31 mA
AMI	22 mA	22 mA
FPI	41 mA	41 mA
MBK	3 mA	31 mA

Ordering Information HMX-MP

Description	Stock No.
Master Panel, 16 Switch Control	HMX-MP16
Master Panel, 32 Switch Control	HMX-MP32
Master Panel, 48 Switch Control	HMX-MP48
Master Panel, 64 Switch Control	HMX-MP64
Master Panel, 80 Switch Control	HMX-MP80
Master Panel, 96 Switch Control	HMX-MP96
Master Panel, 16 Switch Control, Master Fire Phone	HMX-MP16/P
Master Panel, 16 Switch Control, Master Fire Phone	HMX-MP32/P
Master Panel, 16 Switch Control, Master Fire Phone	HMX-MP64/P
Master Panel, 16 Switch Control, Master Fire Phone	HMX-MP80/P
Master Panel, 16 Switch Control, Master Fire Phone	HMX-MP96/P

Ordering Information HMX Panel Options

Description	Stock No.
Master Fire Phone	MX-MFP
Switch Scan Card	MX-SSC
Switch LED Card	MX-SLC
Audio Module Interface Card	MX-II
Motherboard Relay Card	MX-MBK
Fire Phone Interface Card	MX-FPI
Fire Phone Output Card	MX-FPO
Audio Module Interface Card	MX-AMI

Ordering Information HMX-DP

Description	Stock No.
Distributed Panel, Single Channel, 25W	HMX-DPS25
Distributed Panel, Single Channel, 50W	HMX-DPS50
Distributed Panel, Single Channel, 100W	HMX-DPS100
Distributed Panel, Single Channel, 25W, Fire Phone	HMX-DPS25/P
Distributed Panel, Single Channel, 50W, Fire Phone	HMX-DPS50/P
Distributed Panel, Single Channel, 100W, Fire Phone	HMX-DPS100/P
Distributed Panel, Dual Channel, 25W	HMX-DP25
Distributed Panel, Dual Channel, 50W	HMX-DP50
Distributed Panel, Dual Channel, 100W, Single Channel 200W	HMX-DP100
Distributed Panel, Dual Channel, 25W, Fire Phone	HMX-DP25/P
Distributed Panel, Dual Channel, 50W, Fire Phone	HMX-DP50/P
Distributed Panel, Dual Channel, 100W, Fire Phone, Single Channel 200W	HMX-DP100/P