

## Features:

- True Multiplex 6 Channel Networked Audio
- Integrated Fire Phone and Area of Refuge capable
- Modular System - components added as needed
- Integrated 2 Channel Digital Message Repeater
- Live Microphone Page to any zone
- Fast RS-485 Communication Protocol
- Internet/WAN communication link option
- Fully Supervised
- Easy Installation and Operation
- Natural Sound Voice Recordings
- Built in Alarm and Alert Signals
- Up to 4 Minute Message Capacity
- Will communicate with Fire/Voice - Paging systems
- 3 Minute Message Restart on Microphone Key
- Made in the USA.

## Description:

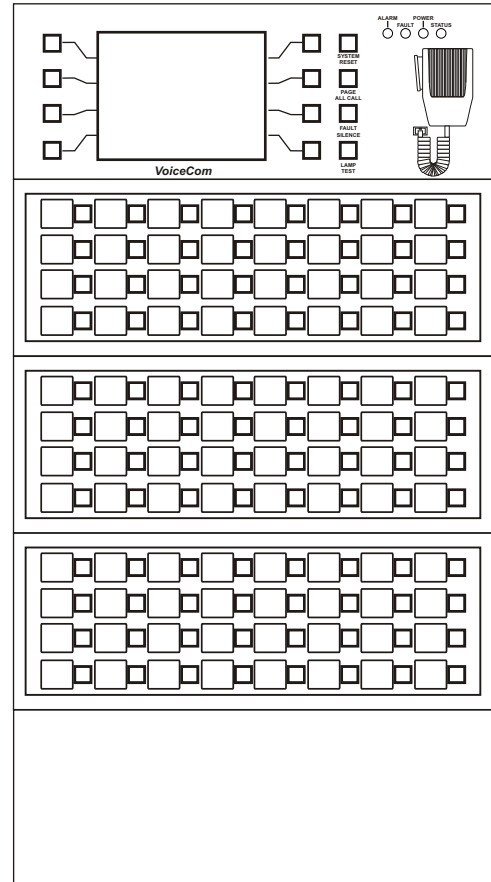
The Evax VoiceCom Emergency Communication System provides a platform by which live voice commands or emergency messages and tones can be distributed throughout a facility or campus instantaneously.

VoiceCom may be a self contained system or interface with existing Fire/Voice systems or commercial paging systems. It can provide a communication back-bone within a large facility or tie together up to 250 buildings from a single control point. Separate VoiceCom systems may also tie together to form an enlarged network.

Communication is a high speed RS485 protocol that transmits multi channel voice, system commands, system status and maintains system supervision. Communication may be over copper wire, fiber optic, WAN or Internet protocol.

Within a system multiple control points may be established anywhere in the network. This provides maximum flexibility for whatever configuration the physical layout or operational conditions mandate.

## VoiceCom Emergency Communication System



### System Configuration:

Basic System Includes:

- Master Panel (HMX-VMP)
- Master Mic Control
- 32 switch control points
- Dual Channel DMR
- High speed communication loop

- Distributed Panel (HMX-DP)
- 4 Output Zones (may be configured for 8)
- Dual Channel Audio Interface
- Dual Channel Amplification

#### Optional

- Integrated Fire Phone
- Internet Protocol Bridge
- Fiber Optic Network Capable
- Network Bridge for tying to separate audio systems

## VoiceCom Master Panel Configurations:

HMX-VMP32	Master Panel, 32 Switch Control
HMX-VMP64	Master Panel, 64 Switch Control
HMX-VMP96	Master Panel, 96 Switch Control
HMX-VMP128	Master Panel, 128 Switch Control

HMX-VMP32/P	Master Panel, 32 Switch Control, Master Fire Phone
HMX-VMP64/P	Master Panel, 64 Switch Control, Master Fire Phone
HMX-VMP96/P	Master Panel, 96 Switch Control, Master Fire Phone



**Panel Options: Cards may be added as job requirements demand. Max switch configuration 1000, contact factory for larger applications**

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-VSLC VoiceCom Switch LED Card	32 Switch LED Bank, up to 4 per MX-SSC.
MX-II Audio Module Interface Card	One included with basic panel, additional cards give 16 control inputs each. Maximum of 8.
MX-FO Fiber Optic Card	Enables communication over fiber optic cable (62.5/125 Multimode)
MX-INB Isolated Network Bridge	Interfaces VoiceCom Network to individual building systems
MX-IPB Internet Protocol Bridge	Interfaces VoiceCom Network via TCP/IP to Internet or WAN

## 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
HMX-MXB-DP	Distributed Panel, VoiceCom Network Bridge

**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.

### Master Panel

	<u>Standby</u>	<u>Alarm</u>
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

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)

### Distributed Panel

	<u>Standby</u>	<u>Alarm</u>
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

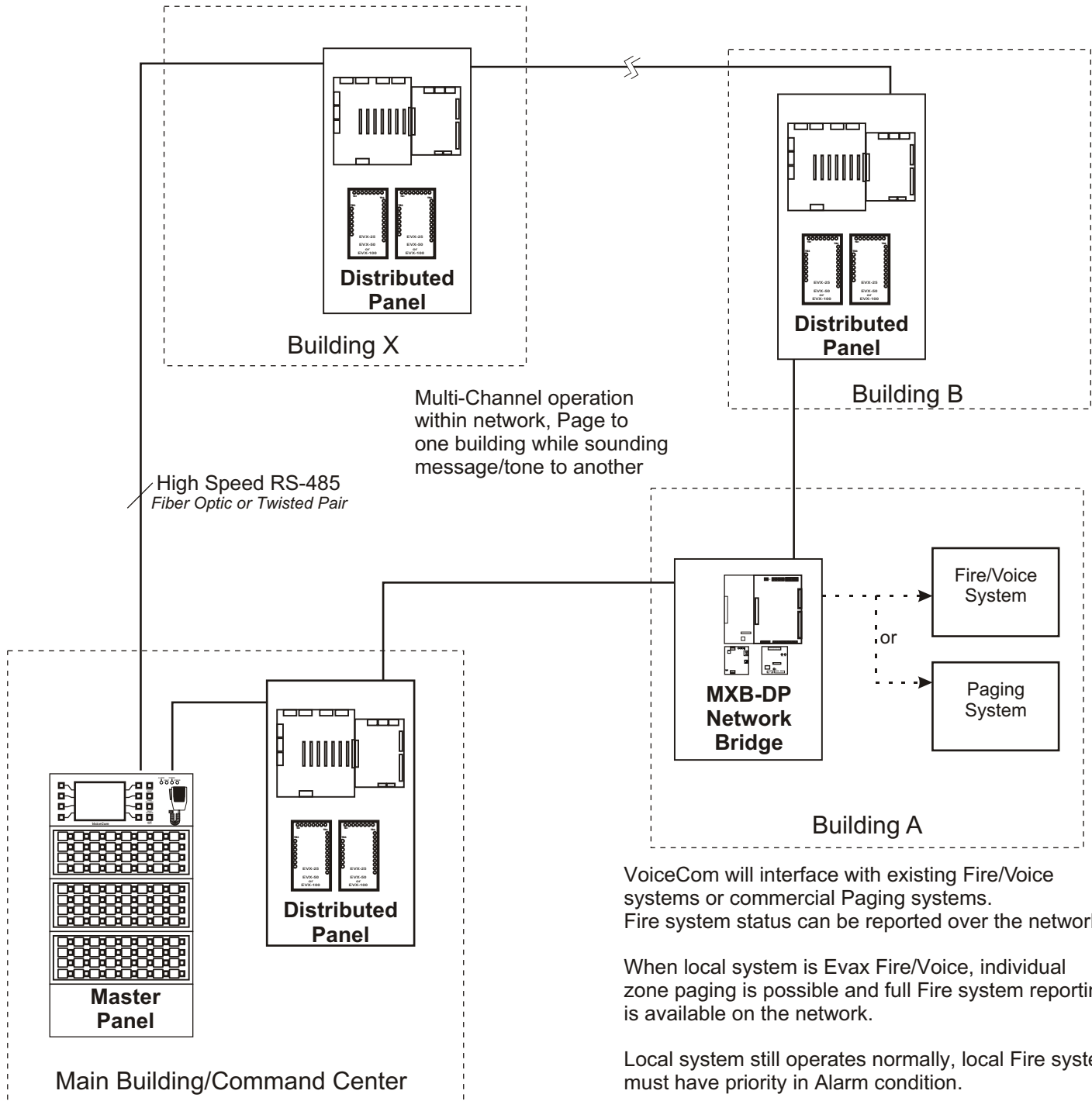
Backbox Dim: 14.5 x 27 x 4" *w·h·d*  
Color: Charcoal Grey·std Red·optional

*Specifications are subject to change without notice. Specifications are provided for information only and no responsibility is assumed by Evax Systems, Inc. for their use.*

# VoiceCom

From a central location, paging to the entire system or individual buildings or zones is easily accomplished.

Messages with tones and pre-recorded instructions may also be selected in the same fashion



Multiple Master Panels may be used throughout the VoiceCom system for maximum flexibility to your Command/Control scenario.

VoiceCom will interface with existing Fire/Voice systems or commercial Paging systems. Fire system status can be reported over the network.

When local system is Evax Fire/Voice, individual zone paging is possible and full Fire system reporting is available on the network.

Local system still operates normally, local Fire system must have priority in Alarm condition.

Paging systems may have primary or secondary priority as operational condition requires.

VoiceCom system is designed to UL 864 Standard and to meet all requirements of NFPA 72 and NFPA 101.

