



# MicroComm DXI

## MAI-120 Master Audio Interface

### Description

The MAI-120 Master Audio Interface provides audio communication circuitry and control between the DXI exchange and a remote location requiring master station device interfaces. It's circuitry is an integral component of the rack mount and desk top digital intercom master stations, but must be ordered as a separate component when ordering digital panel mount versions.

Terminals are available for connection of a loudspeaker, microphone, telephone handset and hook switch, headset, and phantom powered microphone. Keyboard/display and I/O ports are connectorized.

### Features

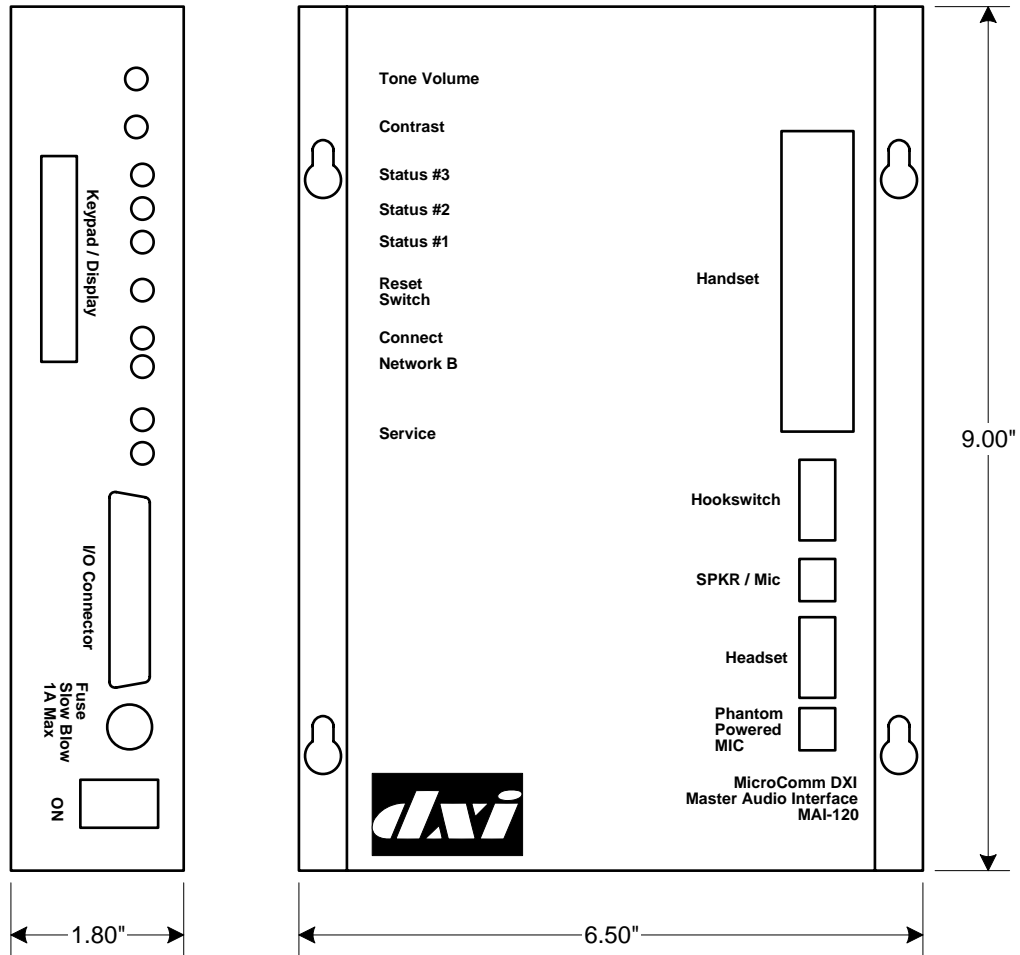
- 1 watt 45  $\Omega$  loudspeaker interface
- electret microphone interface
- phantom powered input for amplified microphones
- telephone handset interface with PTT input
- telephone hook switch interface to activate handset
- headset interface with jack switch to detect headset connection
- 2 LED's indicate network status
- 3 LED's indicate operating status
- can be connected or removed while the system is operating without disrupting the rest of the system
- internal fuse protects circuitry
- network pass through to panel mount master station



### Specifications

Physical	9" H x 6.5" W x 1.8" D (229 x 165 x 46 mm)
Environmental	Operating Temperature 32 to 122 °F (0 to 50 °C) Storage Temperature -4 to 158 °F (-20 to 70 °C) Humidity 0 to 95 % non-condensing
Power Supply	+12 Vdc $\pm$ 10% +24 Vdc +10% - 40%
Field Connections	Network, Power, Audio DB-25 Keyboard/Display ribbon header Handset with 6 position terminal block Hook Switch MTA-100-8 Speaker/Microphone MTA-100-4 Phantom Powered Microphone MTA-100-4 Headset/Jack Switch MTA-100-8
Cabling	Audio 2 22 ga shielded twisted pairs Network 1* 22 ga unshielded twisted pair Power 2* 22 ga pair * Double for redundant wiring Handset 1 SP 2 UP provided with handset Hook Switch 22 ga 5 conductors Speaker 22 ga 1UTP Microphone 22 ga 1 STP Headset/Jack Switch 22 ga Microphone 22 ga 1 STP
Standard	FCC Part 15

# Mechanical



## Ordering Information

Part number MAI-120-A  
A power supply options  
1 12 Volt  
2 24 Volt

## Accessories

Panel mount loudspeaker and microphone assembly  
Panel mount gooseneck microphone  
Headset with boom microphone  
Telephone handset with press to talk bar, cradle, and hook switch