

## MAI-425 Master Audio Interface

### Description

The MAI-425 Master Audio Interface provides audio communication circuitry and control between a DXI or DXL exchange and a touch screen terminal or graphics panel without keyboard/display functionality.

Connections are available for interfacing to a loudspeaker, microphone, external press-to-talk (PTT) switch, and telephone handset and hook switch.

### Features

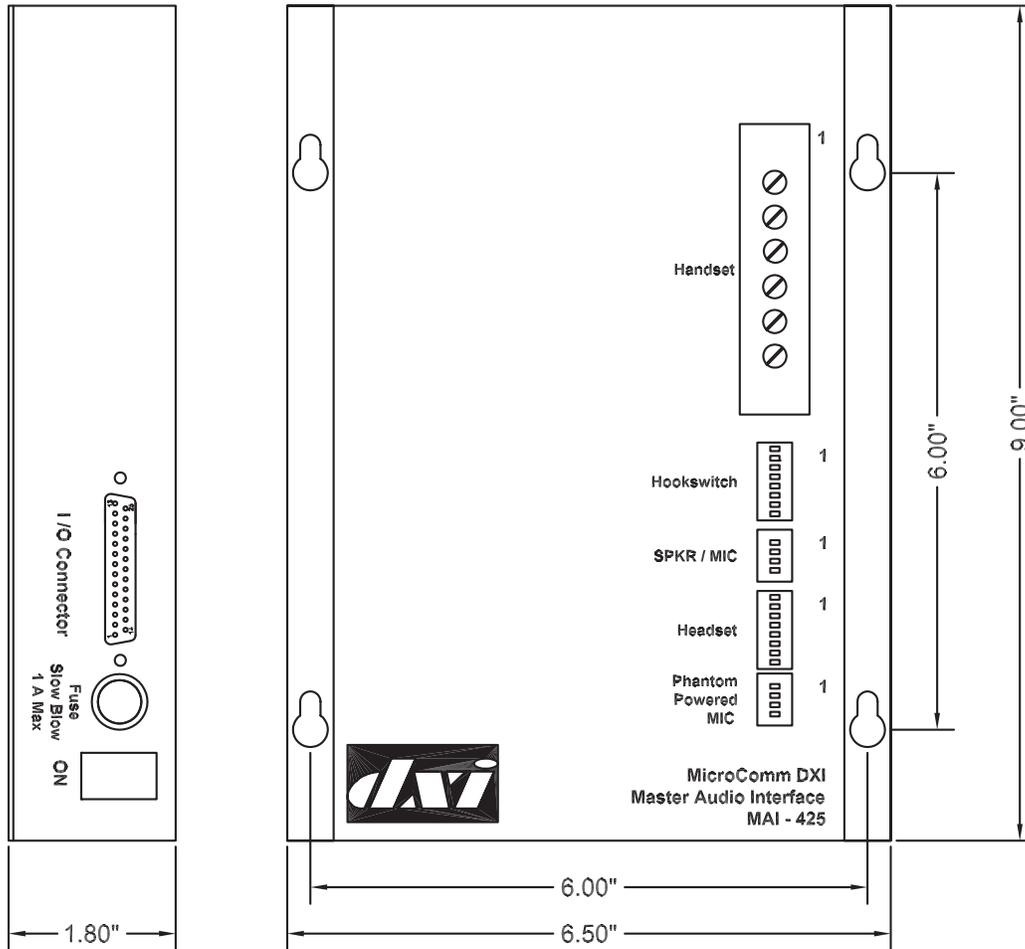
- 1 watt 45 ohm loudspeaker interface
- electret microphone interface
- phantom powered input for amplified microphones
- telephone handset interface with PTT input
- telephone hook switch interface to activate handset
- lifting telephone handsets cuts off loudspeaker and microphone
- headset interface with jack switch to detect headset connection for loudspeaker and microphone cut off
- can be connected or removed while the system is operating without disrupting the rest of the system
- internal fuse protects circuitry



### 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 ±10% @ 200 mA max +24 Vdc +10% - 40% @ 200 mA max
Field Connections	
Power, Audio	DB-25
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
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
Standard	FCC Part 15

# Mechanical



## Ordering Information

Part number MAI-425-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

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