**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
- **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

- 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

### Ordering Information

Part number: MAI-425-A

A power supply options

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<td>1</td>
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### 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