

# mini MAGNUM

## Compact 10 Meter Mobile Transceiver



- **PLL Controlled Transceiver**
- **28.000 to 29.695 MHz Frequency Range**
- **4 Watts RF Output Power**
- **AM**
- **10 kHz Steps**
- **2 Digit Channel Display**
- ECM Microphone
- LED Display
- Transmit & Receive LEDs
- On/Off Volume Control
- Squelch Control
- Call Channel Control
- MARS / CAP Compatible (Permits Required)
- 1 Year Warranty

### General Specifications

Frequency Coverage	: Transmit and Receive .....	28.000 - 29.695 MHz
Modes	: AM	
Antenna Impedance	: 50 ohm, unbalanced	
Operating Temperature	: -20 °C to +60 °C	
Frequency Control	: Phase-Lock Loop (PLL) Synthesizer	
Power Requirement	: 12 - 13.8 V DC, negative ground	
Dimensions (W x H x D)	: 130 x 34 x 180 mm (5.1 x 1.3 x 7 in)	
Weight	: 0.8 kg (1.75 lbs)	

### Transmitter Specifications

Power Output	: AM .....	4 Watts Carrier / 10 Watts PEP
Spurious Emissions	: More than 50 dB below peak output power	
Frequency Response	: 400 to 2800 Hz	
Microphone Impedance	: ECM, 600 to 1K ohms	

### Receiver Specifications

Circuit Type	: Double-Conversion Superheterodyne	
Intermediate Frequencies	: 1st IF .....	10.695 MHz
	: 2nd IF .....	455 kHz
Sensitivity	: AM .....	1.0 uV at 10 dB S + N/N
Selectivity	: AM .....	6.0 kHz (-6 dB) / 18 kHz (-60 dB)
Adjacent Channel Rejection	: Better than 65 dB	
IF Rejection	: Better than 65 dB for all frequencies	
Frequency Response	: 250 to 3000 Hz	
Audio Output Power	: 2 watts minimum at 10% THD with an 8 ohm load	
Audio Output Impedance	: 8 ohms	