

MAGNUM 1012

SSB/FM/AM 10 and 12 METER HANDHELD AMATEUR TRANSCEIVER



- Dual Band, 10 and 12 meters
- 24.8900 – 24.9900MHz and 28.0000 – 29.6995 MHz
- USB / LSB / FM / AM Modes
- RF Output Power
 - USB/LSB: 5 Watts PEP
 - FM: 4 Watts
 - AM: 4 Watts Carrier / 10 Watts PEP
- Microphone Gain Control
- RF Gain Control
- Squelch Control
- 6 Digit Frequency Display
- Clarifier Range of +/- 600Hz
- 500Hz Steps, Frequency Resolution
- 5 Memory Channels - Saves Frequency and Mode
- Blue Back Lit Display
- Frequency Scan Feature
- Memory Channel Scan Feature
- Split Frequency Offset for Repeater Use
- MARS / CAP Compatible (Permits Required)
- 1 Year Warranty

MAGNUM

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General Specifications

Frequency Coverage	: Transmit and Receive	24.8900 – 24.9900 MHz
	28.0000 – 29.6995 MHz
Modes	: AM / FM / USB / LSB	
Number of Memory Channels	: 5	
Antenna Impedance	: 50 ohm, unbalanced	
Operating Temperature	: -10 ⁰ C to +60 ⁰ C	
Frequency Control	: Digital Phase-Lock Loop (PLL) Synthesizer	
Frequency Stability	: 0.005%	
Power Requirement	: 9 AA Batteries, or 12 - 13.8 V DC with Mobile Adapter (MOB-1012)	
Dimensions (W x H x D)	: 185 x 65 x 39 mm (7.25 x 2.50 x 1.50 in), not including antenna	
Weight	: 300 grams (10.6 oz) with antenna, without batteries	
	: approx. 510 grams (18 oz) with antenna, with batteries	
MSRP	: \$269.99	

Transmitter Specifications

Power Output	: FM	4 Watts
	SSB	5 Watts PEP
	AM	4 Watts Carrier / 10 Watts PEP
Final Transistor	: 2SC2078	
Spurious Emissions	: More than 70 dB below peak output power	
Carrier Suppression	: More than 50 dB below peak output power	
Unwanted Sideband	: More than 50 dB below peak output (1 kHz tone)	
FM Deviation	: +/- 2 kHz maximum	
Frequency Response	: 400 to 2800 Hz	
Microphone Impedance	: ECM, 600 to 1K ohms	
Battery Drain	: 1.2 Amps	

Receiver Specifications

Circuit Type	: Double-Conversion Superheterodyne	
Intermediate Frequencies	: 1st IF	10.695 MHz
	: 2nd IF	455 kHz
	: SSB IF	10.695 MHz
Sensitivity	: SSB	0.25 uV at 10 DB S + N/N
	: AM	0.5 uV at 10 dB S + N/N
	: FM	0.3uV at dB SINAD
Selectivity	: SSB	4.2 kHz (-6 dB) / 8.5 kHz (-60 dB)
	: AM / FM	6.0 kHz (-6 dB) / 18 kHz (-60 dB)
Adjacent Channel Rejection	: Better than 60 dB	
IF Rejection	: Better than 60 dB for all frequencies	
Frequency Response	: 250 to 3000 Hz	
Audio Output Power	: 500 mW minimum at 10% THD with a 16 ohm load	
Battery Drain	: 250mA maximum, 100mA no signal	

MAGNUM 1012 ACCESSORIES



1012 Mobile Adapter

Part No.: MOB-1012

MSRP: \$39.99

Description:

Replaces 1012 battery pack. Provides external antenna (SO-239) connector and 12V DC car accessory plug



1012 High Gain Antenna

Part No.: LRD-

1012

MSRP: \$39.99

Description:
29 inch long
flexible
rubber
antenna



1012 Speaker/Mic

Part No.: SM1-1012

MSRP: \$29.99

Description:

Shoulder speaker/
microphone with
remote PTT switch and
earphone jack



1012 12VDC Adapter

Part No.: CLA-1012

MSRP: \$9.99

Description:

Powers 1012 from car
accessory jack with
battery pack on.