## 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
  - o USB/LSB: 5 Watts PEP
  - o 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



**RF Limited** 

PO Box 445 Issaquah, Washington 98027 (T) 425-295-0390 • (F) 425-295-0394 (I) www.MagnumRadio.com (E) info@MagnumRadio.com **General Specifications** 

Modes : AM / FM / USB / LSB

Number of Memory Channels : 5

Antenna Impedance : 50 ohm, unbalanced Operating Temperature : -10° C to +60° 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** 

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** 

Selectivity

Circuit Type : Double-Conversion Superheterodyne

 Intermediate Frequencies
 1 st IF
 10.695 MHz

 2 nd IF
 455 kHz

 5 SSB IF
 10.695 MHz

 Sensitivity
 SSB
 0.25 uV at 10 DB S + N/N

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

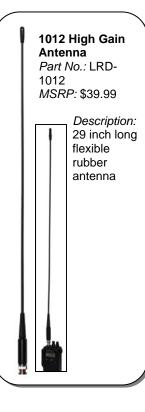
Battery Drain : 250mA maximum, 100mA no signal

## **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 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.