

## **IC-M127 Specifications**

### **General**

- Frequency Range: Transmit: 156.025 -157.425 MHz; Receive: 156.025 - 163.275 MHz
- Usable Channels: All U.S.A., International and Canadian channels; plus 10 weather channels
- Mode: FM(16K0G3E); DSC (16K0G2B; with optional UX-130)
- Power Supply Requirement: 13.8 V DC +/-15% (negative ground)
- Current Drain (at 13.8 V DC):
  - Transmit: 6.3 (high); 2.0 A (low)
  - Receive: 1.5 A (max. audio); 0.5 A (standby)
- Usable Temperature Range: -20°C~ to +60°C (-4°F to +140°F)
- Frequency Stability: +/-5 ppm
- Antenna Connector: 50 ohms (SO-239)
- Dimensions: 229(W) x 78(H) x 220(D) mm; 9(W) x 3.1(H) x 8.7(D) in (projections not included)
- Weight: 2.5 kg; 5.5 lb

### **Transmitter**

- Output Power (at 13.8 V): 25 W (high); 1 W (low)
- Modulation System: Variable reactance phase modulation
- Spurious Emissions: Less than -70 dB
- Max. Freq. Deviation: +/-5 kHz
- Microphone Impedance: 600 ohms

### **Receiver**

- Receive System: Double conversion superheterodyne
- Intermediate Frequencies: 1st: 21.8 MHz; 2nd: 455 kHz
- Sensitivity: 0.25 $\mu$ V for 12 dB SINAD (typical)
- Squelch Sensitivity: 0.32  $\mu$ V (threshold), 1.0  $\mu$ V (tight)
- Adjacent Channel Selectivity: 750 dB
- Spurious Response Rejection Ratio: 75 dB
- Intermodulation Rejection Ratio: 75 dB
- Audio Output Power: More than 5 W at 10% distortion with a 4 ohms load (10 W for the hailer function)
- Audio Output Impedance: 4 ohms

### **Options**

- MB-66 FLUSH MOUNT: For mounting the IC-M127 to a panel. Available in white or black.
- OPC-457 NMEA CABLE: Allows you to connect NMEA equipment such as a GPS receiver.
- PS-60 DC POWER SUPPLY: For coastal station operation.
  - Output Voltage: 13.6 V DC
  - Max. Current Drain: 30A
- PS-66 DC-DC CONVERTER: Enables use of a 24 V boat battery.
  - Input voltage: 19 to 32 V DC
  - Output voltage: 13.6 V DC
- UA-4 AUDIO AMPLIFIER: Boosts hailer output to a max. of 30 W. Power is controlled via the IC-M127.
- UT-98 VOICE SCRAMBLER UNIT: Provides 128 analog voice scramble codes for communications privacy.
- UX-130 DSC UNIT: Provides DSC capabilities.

**Tri-County Communications, Inc.**

6 Keith St.  
Oneonta, NY 13820  
1-800-564-8724

110 Broad Ave.  
Binghamton, NY 13904  
1-800-924-1125

[sales@tricountycom.com](mailto:sales@tricountycom.com)  
[www.tricountycom.com](http://www.tricountycom.com)