



VHF MARINE TRANSCEIVER

IC-M127



Rugged, reliable communications

Large, easy-to-read LCD with alphanumeric labels

The IC-M127 features a large display that shows operating status at a glance. Easy-to-read—even under direct sunlight. Alphanumeric labels of up to 10 characters show channel names for easy recognition as well as NMEA data* (latitude and longitude), DSC categories, and more. Alphanumeric labels are displayed simultaneously with the operating channel.

*When a GPS receiver is connected.

'Smart' microphone

The microphone allows you to access a number of functions directly. You can conveniently control channel up/down as well as output power directly from the microphone.

Durable, water-resistant construction

Built tough to withstand the punishing marine environment, the IC-M127 is constructed with high quality rubber gaskets for all switches, controls and connectors, including the microphone—providing water resistance you can count on.

Optional DSC capabilities

Prepare now for the future of marine VHF. When an optional UX-130 DSC UNIT is installed, the IC-M127 has DSC capabilities that meet the U.S. Coast Guard's SC-101 proposal. In the near future, if you want to expand the communications capability of your transceiver, the IC-M127 can be upgraded by installing the UX-130. Preserve your investment, with technology designed for the future.

And more...

- Easy-to-use "Tag" scan system allows you to add/delete channels in the scan list quickly and easily with the push of a button
- 2-way hailer function with 10 W amplifier built-in. An optional UA-4 AUDIO AMPLIFIER gives you a maximum of 30 W output.
- Auto fog horn function with 4 selectable patterns
- Intercom function—up to 2 remote speakers
- Antenna-mismatching and low voltage indicators

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- LCD, keypad and knobs are backlit and can be adjusted to 8 different lighting levels
- Dual/tri-watch functions between channel 16
- Weather alert function
- Optional UT-98 voice scrambler unit with 128 front panel programmable codes for communications privacy

- All International, USA and Canadian* VHF marine channels plus 10 weather* channels are available (*USA version only)
- RF attenuator linked to the squelch control—switch the attenuator off for high seas operation; on for harbor operation
- PC programming software is available
- Superior receive characteristics

SPECIFICATIONS

GENERAL

- Frequency range: Tx 156.025–157.425 MHz
Rx 156.025–163.275 MHz
- Usable channels:
All International, U.S.A and Canadian channels; plus 10 weather channels (depending on version)
- Mode: FM (16K0G3E)
DSC (16K0G2B; with optional UX-130)
- Power supply requirement:
13.8 V DC \pm 15% (negative ground)
- Current drain (at 13.8 V DC):
Tx high 6.3 A
low 2.0 A
Rx max. audio 1.5 A
standby 0.5 A
- Usable temperature range:
-20°C to +60°C (-4°F to +140°F)

- Frequency stability: \pm 5 ppm
- Antenna connector: SO-239 (50 Ω)
- Dimensions: 229(W) \times 78(H) \times 220(D) mm
(proj. not included) 9.0(W) \times 3.1(H) \times 8.7(D) in
- Weight: 2.5 kg (5.5 lb)

TRANSMITTER

- Output power: High 25 W
(at 13.8 V DC) Low 1 W
- Modulation system: Variable reactance phase modulation
- Spurious emissions: -70 dB
- Max. freq. deviation: \pm 5.0 kHz
- Microphone impedance: 600 Ω

RECEIVER

- Receive system:
Double conversion superheterodyne
- Intermediate frequencies:
1st 21.8 MHz 2nd 455 kHz
- Sensitivity (for 12 dB SINAD): 0.28 μ V typ.
- Squelch sensitivity: 0.35 μ V (threshold)
1.0 μ V (tight)
- Adjacent channel selectivity: 75 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 Ω load (10 W for the hailer function)
- Audio output impedance: 4 Ω

All stated specifications are subject to change without notice or obligation.

OPTIONS

- **MB-66 FLUSH MOUNT**
For mounting the IC-M127 to a panel. Available in black or white.
- **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: 30 A

- **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.



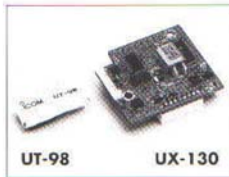
UA-4



PS-66



MB-66



UT-98

UX-130

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Certificate Number Q14190

Icom Inc. (Japan), is an ISO9001 certification acquired company.

Your local distributor/dealer: