

The World's First Active Noise Cancelling Handheld with DSC, GPS and MOB



New Intuitive User Interface

The new menu system provides easy and intuitive operation. The bottom line of the display shows the software key functions which can be toggled with the left and right buttons.



Active Noise Cancelling

The built-in bidirectional active noise cancelling reduces background noise to up to 90% and improves both your transmitted voice and incoming call. Hear and be heard more clearly.



Built-in GPS

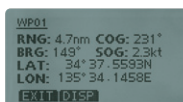
The built-in high sensitivity GPS receiver shows your current position and can be used for DSC calls. The MOB (Man overboard) function keeps the position of the incident.



Compass



Navigation to a waypoint



Built-in DSC for Handheld

The IC-M91D has DSC functions which includes distress, individual, group, all ships, urgency, safety and DSC test calls.



Float'n Flash

The IC-M91D floats in the water in the face-up position and lets you know where it is with the LCD flashing and audible "beep alarm" feature as an aid for retrieval in the dark.



700mW (typ.) Loud Audio

The large speaker delivers 700mW (typ.) of loud and intelligible audio even in noisy environments.



Desktop Charger Supplied

The desktop charger, BC-204 is supplied to charge the battery pack. The BC-204 charges the battery pack, BP-275, in 9 hours (approx.).

Additional features

- Optional waterproof speaker-microphone, HM-167
- 50 waypoint memories
- AquaQuake™ draining function

- Dual/Tri-Watch function for monitoring Ch. 16 and/or call channel
- Battery indicator shows remaining battery power in 4 levels
- Favorite channel function

SPECIFICATIONS

GENERAL		
Frequency range	Tx Rx	156.000–161.450MHz 156.000–163.425MHz
Usable channel groups		INT, USA* channels * Available depending on version
Type of emission		16K0G3E (FM), 16K0G3B (DSC)
Current drain (at 7.4V DC)		
Tx 5W output		1.5A
Rx AF max.		500mA
Operating temp. range		–15°C to +55°C
Antenna impedance		50Ω
Dimensions (W×H×D) (projections not included)		61.2×141.4×43.2 mm
Weight (approx.)		318g (With BP-275, FA-SC59V, MB-109)
TRANSMITTER		
Output power (Hi/Low)		5W/1W 0.5W (German version)
Max. frequency deviation		±5kHz
Frequency stability		±1.5kHz
Spurious emissions		0.25μW
RECEIVER		
Sensitivity (at 20dB SINAD)		–4dBμ emf. typ.
Squelch sensitivity		–5dBμ emf. typ. (at threshold)
Adjacent channel selectivity		
Spurious response		70dB
Intermodulation rejection		68dB
Hum and noise ratio		40dB
Audio output power (at 10% distortion, 8Ω load)		700mW typ. (Internal SP, @1KHz) 200mW (External SP)
GPS (GPS Module Specifications)		
Receiver channels		48 channels
Sensitivity		Less than –146dBm
Time to first fix		36 sec. typ. (Cold start) 1 sec. typ. (Hot start)

Measurements made in accordance with EN302-885-1. All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications & IP Rating

Standard	MIL 810G	
	Method	Procedure
Low Pressure	500.5	I, II
High Temperature	501.5	I, II
Low Temperature	502.5	I, II
Temperature Shock	503.5	I-C
Solar Radiation	505.5	I
Rain Blowing/Drip	506.5	I, III
Humidity	507.5	II
Salt Fog	509.5	–
Dust Blowing	510.5	I
Immersion	512.5	I
Vibration	514.6	I
Shock	516.6	I, IV

Also meets equivalent MIL-STD-810-C, -D, -E and -F.

Ingress Protection Standard	
Water	IPX7 (Waterproof protection)

OPTIONS

BATTERY PACK BP-275 Li-Ion 7.4V, 1500mAh (min.) 1590mAh (typ.)  Provides 8 hours of operating time. (Typical operation with 5:5:90 duty ratio.)	REGULAR CHARGER  BC-147SE BC-204 Charges the BP-275 in 9 hours (approx.).	RAPID CHARGER  BC-123SE BC-205 Charges the BP-275 in 2.5 hours (approx.).
MULTI-CHARGER  BC-197 BC-157S Charges up to six BP-275 in 2.5 hours (approx.). AD-124 is supplied with the BC-197, depending on version.	SPEAKER-MICROPHONES  HM-167 HM-202 IPX7 rugged type IPX7 compact type	LEATHER BELT HANGER  MB-96F
CIGARETTE LIGHTER CABLES  CP-25 For use with BC-204 CP-23L For use with BC-205	DC POWER CABLES  OPC-515L For use with BC-205 OPC-656 For use with BC-197	FA-SC59V ANTENNA Same as supplied. MB-109 BELT CLIP Same as supplied.

SUPPLIED ACCESSORIES



- AC adapter, BC-147SE*
- Battery charger, BC-204
- Battery pack, BP-275
- Belt clip, MB-109
- Antenna, FA-SC59V
- Hand strap

* AC adapter is not supplied or may differ depending on version.

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