

ADDITIONAL FEATURES

- Simple Up/Down switches for operating channel selection
- Instant access to Ch. 16 and call channel
- Simple add/delete TAG scanning operation
- Monitor button opens squelch
- Automatic scan function
- 2 step power saver
- Key lock function
- Battery indicator shows remaining battery power in 4 levels
- Beep sound is programmable for each button
- The self check function checks internal temperature, connected battery voltage (over voltage detection), and water intrusion

OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.

<p>BATTERY PACK AND CASE</p>  <p>BP-274 Rechargeable Li-ion 1800 mAh (min.) 1900 mAh (typ.)</p> <p>BP-226 Battery case for five LR6 (AA) cells.</p>	<p>DESKTOP CHARGER</p>  <p>BC-147S *1 BC-152N</p> <p>Charges the BP-274 in 10 hours. (approx.)</p>	<p>RAPID CHARGER</p>  <p>BC-123S *1 BC-190</p> <p>Rapidly charges the BP-274 in 2-2.5 hours. (approx.)</p>
<p>MULTI-CHARGER</p>  <p>BC-197</p> <p>Rapidly charges up to 6 battery packs in 2.5-3 hours. AD-128 is supplied with the BC-197, depending on version.</p>	<p>CIGARETTE LIGHTER CABLES</p>  <p>CP-23L For use with BC-152N</p>	<p>DC POWER CABLES</p>  <p>OPC-515L For use with BC-152N OPC-656 For use with BC-197</p>
<p>SPEAKER-MICROPHONES</p>  <p>IPX7 HM-138 IPX7 HM-168</p>	<p>LEATHER BELT HANGER</p>  <p>MB-96F</p>	<p>BELT CLIPS</p>  <p>MB-98 Alligator type MB-86 Swivel type</p>

*1 BC-123SE/BC-147SE for Europe plug. BC-123SUK for UK plug.

SPECIFICATIONS

		IC-M87	
GENERAL		Marine channels	PMR channels
Frequency coverage	Tx	156.000-161.450 MHz	146.000-174.000 MHz
	Rx	156.000-163.425 MHz	
Usable channel groups, Number of channels		INT, USA* channels (*Varies according to version)	22 PMR channels
Type of emission		16K0G3E	16K0F3E/8K50F3E 14K0F3E/8K50F3E
Channel spacing		25 kHz	12.5/25 kHz, 20/25 kHz
Power supply requirement		7.4 V DC nominal	
Current drain (approximate)	Tx (at 5 W)	1.6 A typ.	
	Rx Max. audio	200 mA typ.	
Antenna impedance		50 Ω (SMA type)	
Operating temperature range		-15 °C to +55 °C	-25 °C to +55 °C
Dimensions (W × H × D) (Projections not included)		62 × 97 × 37.8 mm (With BP-274)	
Weight (approximate)		274 g (With BP-274)	

TRANSMITTER		
Output power (at 7.2 V DC)	EUR/UK FRG	5/3/1 W 1/0.5 W
Max. frequency deviation		±5.0 kHz
Frequency stability		±1.5 kHz
Spurious emissions		0.25 μW (≤2 GHz), 1.0 μW (>2 GHz)
Residual modulation		40 dB
Audio harmonic distortion		Less than 10% (at 60% deviation)
Modulation limiting		60-100% of Max. deviation

RECEIVER		
Sensitivity (at 20 dB SINAD)		-2 dBμ typ. (emf)
Adjacent channel selectivity		70 dB
Spurious response		70 dB
Intermodulation		68 dB
Hum and noise		40 dB
Audio output power (at 10% distortion with 8 Ω load)		200 mW

Measurements made in accordance with EN 301-178 or EN 300 086.

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

Applicable U.S. Military Specifications & IP Rating

Standard	MIL 810 F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain Blowing/Drip	506.4	I, III
Humidity	507.4	-
Salt Fog	509.4	-
Dust Blowing	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV

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

Ingress Protection Standard	
Water	IPX7 (Waterproof protection)

Supplied accessories:

- Battery pack, BP-274
 - Battery charger, BC-152N
 - AC adapter, BC-147SE*
 - Swivel belt clip, MB-86
 - Antenna, FA-S59V
 - Hand strap
- (* AC adapter is not supplied depending on version.)