ICOM

PMR446 FM TRANSCEIVER

IC-F27SR

High Performance, Professional Licence Free Radio

Outstanding audio quality, high performance and strong commercial build make the IC-F27SR the ideal licence free radio. This licence free radio is ideal for users in diverse areas such as construction, catering, event management, shopping centres, factories, farms as well as serious outdoor enthusiasts.



Up to 35.5 hours of operating time

The IC-F27SR features highly efficient circuitry, providing up to a massive 35.5 hours of operating time* with the supplied BP-265 2000mAh lithium-ion battery pack. This means it can be comfortably last an entire shift.

* Tx: Rx: Stand-by =5: 5: 90 with power save ON.



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Outstanding audio quality

800mW audio output is provided from the large 45mm speaker meaning the IC-F27SR can deliver loud and intelligible audio even in extremely noisy environments such as a busy shop floor or construction site.



Just three main controls

Transmit button, volume control and channel selector. This simple to use radio is ideal for high turnover environments and shift work where the radio is constantly passed from person to person.



Lightweight, Compact Body

Small size (58×186×36.5mm) and lightweight (285g) makes this transceiver ideal for all users.

500mW output power

Provides up to 3km* (approx.) coverage.

* Depending on the operating environment, weather conditions, etc.

Internal VOX for Hands-free operation

Built-in VOX function provides convenient hands-free operation, when used with our optional headset adapter cable.



Rugged MIL-STD 810

IP54

OTHER FEATURES

- CTCSS and DTCS encoder and decoder for group call
- Surveillance function turns off the LED and beep sound
- Siren function can be used for security alarm
- Power save function
- Low battery Alert
- Time out timer
- Monitor function

SUPPLIED ACCESSORIES

Li-ion battery pack versions
- Li-ion battery pack, BP-265
- Belt clip, MB-124
- Battery charger, BC-193
- AC adapter, BC-123SE*

Ni-MH battery pack versions
- Ni-MH battery pack, BP-264
- Belt clip, MB-124
- Battery charger, BC-192
- AC adapter, BC-206SE*

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

SPECIFICATIONS

Frequency coverage	446.00625–446.09375MHz 8 PMR 446 allocated channels
Channel spacing	12.5kHz (8K50F3E)
Current drain (approx.) TX RX Max. audio	 400mA 330mA (Internal SP)
Operating temperature range	–25°C to +55°C (Radio only)
Frequency stability	±2.5ppm
Output power (at 7.2V DC)	500mW (ERP)
Ext. microphone connector	3-conductor 2.5 (d) mm/2.2kΩ
Sensitivity (at 20dB SINAD)	26.5dBμV/m emf
Audio output power Internal speaker External speaker	(at 5% distortion) 800mW typ. (With 12Ω load) 400mW typ. (With 8Ω load)
Ext. speaker connector	2-conductor 3.5 (d) mm/8Ω

Applicable U.S. Military Specifications & IP Rating

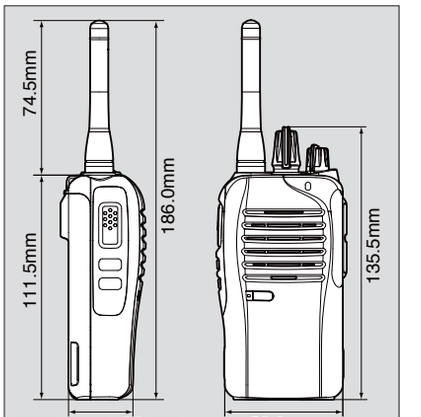
Standard	MIL 810F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain Blowing/Drip	506.4	I, III
Humidity	507.4	–
Salt Fog	509.4	–
Dust Blowing	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV

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

Ingress Protection Standard	
Dust & Water	IP54 (Dust-protection and water resistant)

Measurements made in accordance with EN 300-296. All stated specifications are subject to change without notice or obligation.

DIMENSIONS & WEIGHT



Weight (approx.):
340g with BP-264
285g with BP-265

OPTIONS

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



BP-263 LR6 (AA) batteries × 6
BP-264 Ni-MH, 7.2V 1400mAh
BP-265 Li-ion, 7.4V 2000mAh

REGULAR CHARGER
For BP-264 (Ni-MH battery)



BC-206SE **BC-192**
Charges the BP-264 in 16 hours (approx.).

RAPID CHARGER
For BP-264 (Ni-MH battery)



BC-123SE **BC-191**
Charges the BP-264 in 2 hours (approx.).

RAPID CHARGER
For BP-265 (Li-ion battery)



BC-123SE **BC-193**
Charges the BP-265 in 2.5 hours (approx.).

MULTI-CHARGER
For BP-264/BP-265



BC-197 **BC-157S**

CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLES



CP-23L
For use with BC-191 or BC-193

OPC-515L
For use with BC-191, BC-192 or BC-193

OPC-656
For use with BC-197

HEADSETS and PLUG ADAPTER CABLE



HS-94
Earhook type

HS-95
Behind-the-head type

HS-97
Throat type

OPC-2004
Required when using any of these headsets

SPEAKER-MICROPHONES



HM-158L **HM-159L**

EARPHONE
- **SP-27** Tube Earphone

BELT CLIP
- **MB-124** Alligator type belt clip. Same as supplied.

CHARGER ADAPTERS
- **AD-120** for BP-264
- **AD-121** for BP-265

Either AD-120 or AD-121 charger adapters are supplied with the BC-197, depending on BC-197's version.

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