ICOM

IC-V10MR

MULTI-USE RADIO SERVICE (MURS) TRANSCEIVER

- IP67 Waterproof
- MIL-SPEC
- Large Sound for Clear Audio
- Built-in Motion Sensor

2 Years Warranty

Tough and Waterproof License for Professional Use

IP67 Waterproof

The IC-V10MR can be used under hard rain, and you can also wash the radio with clean water as instructed in the user manual.

Drop Test Durability

The IC-V10MR exceeds MIL-STD specifications and has passed more difficult drop tests (1.5 m; 4.9 ft x 6 surfaces) than specified for professional use.

Large Sound for Clear Audio

The combination of a custom high capacity speaker and large sound space in front of the speaker delivers a powerful 1500 mW audio with exceptional listening clarity.

Built-in Motion Sensor

With a built-in motion sensor, the IC-V10MR's can detect its position, state of motion and non-motion and can send an emergency signal. The motion function detects if the radio is moving or shaking, for example, during a chase. The Lone Worker and Man Down functions are programmable.

Compact Size to Fit Your Palm

The radio size is a perfect fit at just 2.1 inches wide and 1.0 inches deep. And the weight is only 8.5 oz even when the battery pack is attached.

Large Capacity Battery for Long Operation

A low power consumption design and the supplied 1570 mAh Lithium-Ion battery allow use of the radio for more than 16 hours*. *5:5:90 duty ratio for transmit: receive: stand-by (with power save function)

Signaling for Selective Call

2-Tone, MDC, CTCSS and DTCS capabilities to use selective call and reject un-intended calls for quiet stand-by.

Others

- VOX function for hands-free operation
- Audio compander
- Siren sound for security alarm
- Surveillance function temporarily turns OFF the beep and LED indicator
- Emergency call with open microphone function
- Automatic scan

Free Radio

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IC–V10MR

Communication Range

Up to **250,000** sq ft in a building*

Up to **20** floors in a building*

Up to **2** miles in a work site*

*Communication range may differ depending on operating environment or weather conditions, etc.

SPECIFICATIONS

Usable Frequencies and (bandwidth)	151.820 MHz (11.25 kHz), 151.880 MHz (11.25 kHz), 151.940 MHz (11.25 kHz), 154.570 MHz (20.00 kHz), 154.600 MHz (20.00 kHz)
Number of Memory channels	16 ch
Transmit output power	2 W (High), 1 W (Mid), 0.5 W (Low)
Receiver sensitivity	0.25 µV (typical) for 12 dB SINAD
Squelch sensitivity	0.25 µV (typical) at squelch threshold point
Audio output power (at 5% distortion, 8 Ω load)	Internal SP 1.5 W (typical) External SP 0.4 W (typical)
Antenna impedance	50 Ω
Power supply Voltage	7.5 V
Current drain	Receive stand-by 77 mA Receive max. audio 500 mA Transmit (High) 0.9 A
Dimensions (with BP-279)	52.2 (W) × 111.8 (H) × 24.5 (D) mm 2.1 (W) × 4.4 (H) × 1.0 (D) inches
Weight (with BP-279)	240 g; 8.5 oz (approximate)

All stated specifications are subject to change without notice or obligation.
Measurements made in accordance with TIA-603

Applicable U.S. Military Specifications

Standard	MIL 810G		
	Method	Procedure	Simple explanation (radio specifications are not changed after each test)
Low Pressure	500.5	I, II	Keep the transceiver 20°C/101.3 kPa and 25°C/57.2 kPa for a total of 7 hours
High Temperature	501.5	I, II	Keep the transceiver between 30 to 63°C for a total of 168 hours
Low Temperature	502.5	I, II	Keep the transceiver at -25°C for 4 hours
Temperature Shock	503.5	I – C	Keep the transceiver at -51°C/2 h and +71°C/2 h x 3 cycles (total 12 hours)
Solar Radiation	505.5	I	Keep the transceiver at 49°C and 1120 W/m² for 24 h x 3 cycles (for a total of 72 hours)
Rain Blowing/Drip	506.5	I, III	I : Blast 1.7 mm/min rain with 18 m/s wind for 30 min to 6 surfaces (for a total of 180 min) III: Drip water 2800 l/m²/h for 15 min.
Humidity	507.5	II	Keep the transceiver at 95% humidity with 30°C and 60°C for 240 hours.
Salt Fog	509.5	-	Spray 5% salt water with 1-3 ml/h at 80 cm² under 35°C/95% condition for 24 hours then dry it under 24°C/50% condition x 2 cycles
Dust Blowing	510.5	I	Blowing talc powder Temp/time: 23°C/6 h and 60°C/6 h, humidity: less than 30%, wind speed: 8.9 m/s, powder density: 10 ±7 g/m³
Immersion	512.5	I	Keep the transceiver in pure water for 1 m / 30 min.
Vibration	514.6	I	Vibrate the transceiver at each 3 axis (X, Y, Z), frequencies 5 – 500 Hz, 1.05 G for 1 hour
Shock	516.6	I, IV	When packing, drop 1.22 m height for 6 surfaces, 8 corners, 12 edges (total 26 drops)

Supplied accessories

AC adapter, BC-242

Desktop charger, BC-213

Battery pack, BP-279

Belt clip, MB-133

Antenna, FA-SC28V

OPTIONAL ACCESSORIES

SPEAKER MICROPHONES

HM-168LWP
Waterproof speaker microphone with a waterproof connector.
IP67 protection

Water proof

HM-158LA
Compact speaker microphone with 3.5 mm earphone jack

HM-159LA
Speaker microphone with 3.5 mm earphone jack

EARPHONE MICROPHONES

HM-153LA
Durable lapel microphone with earphone

HM-166LA
Light weight lapel microphone with earphone

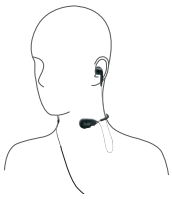
HEADSETS (for VOX operation)

HS-94LWP
Earphone-headset with a waterproof connector

HS-95LWP
Neck-arm type headset with a waterproof connector

(Direct connection to the radio.)

HEADSETS and PTT SWITCH CABLE



HS-97
Headset with throat microphone

or

HS-94
Earhook type headset

or

HS-95
Neck-arm type headset

+

VS-4LA
PTT switch cable for manual PTT operation

or

OPC-2004LA
Plug adapter cable for VOX operation

(Either the VS-4LA or OPC-2004LA is required for use with the HS-94, HS-95 or HS-97.)

BATTERY PACK

BP-279
Li-Ion, 1570 mAh (typ.), 1485 mAh (min.)
(Same as supplied)

CHARGERS

BC-213
Charges the BP-279 in 2.5 hours (approx.)
(AC adapter supplied with the charger)

BC-242
AC adapter for BC-213

BC-214
Multi-charger
(AC adapter supplied with the charger)

BC-157S
AC adapter for BC-214

POWER SUPPLY CABLES

CP-23L
Vehicle charger cable
(For use with BC-213)

OPC-656
DC power cable
(For use with BC-214)

CHARGER BRACKET AND OTHER ACCESSORIES

MB-130
Charger bracket for use with the BC-213

MB-133
Belt clip
(Same as supplied)

FA-SC28V
Antenna
148–162 MHz
(Same as supplied)

PROGRAMMING SOFTWARE & CABLE

CS-V10MR
Programming software for Windows® PC
Available for free download from:
https://www.icomjapan.com/support/firmware_driver/

OPC-478UC
Programming cable (USB)

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