



# IC-V3MR

## MULTI-USE RADIO SERVICE (MURS) TRANSCEIVER

License Free

IP54 and MIL-STD 810G  
Tough and Rugged Body



2 Watts Output and All 5 MURS  
Frequencies for Business Use

High Capacity Li-ion Battery  
24 hours Operational Time  
(5/5/90 duty)

Made in Japan Quality  
Full Robotic Assembly

1500 mW (typ.) Powerful  
Audio with BTL Amplifier



Optional 1500mW  
Speaker-Microphone,  
HM-222HLWP



# Rugged, Loud and Reliable



2 Year  
Warranty

**Other Features**

- VOX (Voice Operated Transmit) function
- MDC PTT ID transmit
- CTCSS Tone and DTCS code
- DTMF functions
- Emergency and Lone Worker functions
- 2-step low battery beep
- Customizable settings with PC programming software (free download)
- FCC Certified

**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 (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)
No. of memory channels	16 ch
Transmit output power	2 W (High), 1 W (Mid), 0.5 W (Low)
Receiver sensitivity	0.25 $\mu$ V (typical) for 12 dB SINAD
Squelch sensitivity	0.25 $\mu$ V (typical) at squelch threshold point
Audio output power (at 5% distortion, 8 $\Omega$ load)	Internal SP 1.5 W (typical) External SP 0.4 W (typical) HM-222HLWP 1.5 W (typical)
Antenna impedance	50 $\Omega$
Power supply voltage	7.2 V DC
Current drain	Receive stand-by 75 mA Receive max. audio 500 mA Transmit (High) 0.9 A
Dimensions (Projections not included)	58 (W) $\times$ 111 (H) $\times$ 35.5 (D) mm, 2.3 (W) $\times$ 4.4 (H) $\times$ 1.4 (D) in (with BP-298)
Weight (Approximate)	265 g, 9.3 oz (with BP-298)

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
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
Vibration	514.6	I
Shock	516.6	I, IV

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

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

**Supplied Accessories:**

- BP-298 Battery Pack • BC-240 Rapid Charger • BC-242 AC Adapter
- MB-124 Belt Clip • FA-SC28V Antenna

**OPTIONAL ACCESSORIES**

**SPEAKER MICROPHONES**



**HM-222HLWP**  
High-power audio speaker with 3.5 mm earphone jack



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



**HM-159LA**  
Loud and clear audio speaker microphone

**HEADSETS**



**HS-94**  
Earhook type headset



**HS-95**  
Neck-arm type headset



**HS-97**  
Headset with throat microphone

**PTT SWITCH CABLES**



**OPC-2004LA** Plug adapter cable for VOX operation  
**VS-4LA** PTT switch cable for manual PTT operation

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

**BATTERY PACK**

**BP-298** Li-ion, 2250 mAh (typ.), 2100 mAh (min.) (Same as supplied.)



**OTHER ACCESSORIES**

- MB-124** Belt clips (Same as supplied)
- FA-SC28V** Antennas 148-162 MHz (Same as supplied)

**RAPID CHARGER**



**BC-242** **BC-240**

Charges the BP-298 in 3 hours (approx.). The BC-242 is supplied with the BC-240.

**MULTI-CHARGER**



**BC-157S** **BC-214N**

The BC-157S and AD-139 charger adapters are supplied with the BC-214N, depending on the charger version.

**CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLES**

**CP-23L** For use with BC-240



**OPC-515L** For use with BC-240



**OPC-656** For use with BC-214N



**PROGRAMMING SOFTWARE & CABLE**

**CS-V3MR** Programming software for Windows™ PC Available for free download from: [https://www.icomjapan.com/support/firmware\\_driver/](https://www.icomjapan.com/support/firmware_driver/)

**OPC-478UC** Programming cable (USB)

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