

# IC-M1V Specifications

## General

- Frequency Range:
  - TX 156.025-157.425 MHz
  - RX 156.025-163.275 MHz
- Usable channels: All USA, International and Canadian channels; plus 10 weather channels (USA only)
- Mode: 16K0G3E (FM)
- Power supply requirement: 7.4 V DC (BP-215 only)
- Current drain (at 7.4 V DC):
  - TX: 1.5 A (at 5 W output)
  - RX: 200 mA (at AF max.)
  - 20 mA (at stand-by)
- Operating temperature range: -20°C to +60°C; -4 F to +140 F
- Antenna connector: SMA (50 ohms)
- Dimensions (projections not included): 52.5 (W) x 129 (H) x 30 (D) mm;
- 2 1/16 (W) x 5 3/32 (H) x 1 3/16 (D) in
- Weight (approx.; with BP-215): 280 g; 9.9 oz

## Transmitter

- Output power: 5.0 W (Hi), 1 W (Low) and 0.5 W (Low2)
- Modulation system: Variable reactance frequency modulation
- Max. frequency deviation:  $\pm 5$  kHz
- Audio harmonic distortion: Less than 10% (at 60% mod.)
- Spurious emissions: IC-M1V - less than 65 dB; IC-M1EURO V 0.25 W

## Receiver

- Intermediate frequencies:
  - 1st: 21.7 MHz
  - 2nd: 450 kHz
- Sensitivity: Less than 0.35  $\mu$ V (at 12 dB SINAD)
- Squelch sensitivity: Less than 0.35  $\mu$ V (at threshold)
- Adjacent channel selectivity:
  - IC-M1V: 70 dB typical
  - IC-M1EUROV: 70 dB
- Spurious response:
  - IC-M1V: 70 dB typical
  - IC-M1EUROV: 70 dB
- Intermodulation rejection ratio:
  - IC-M1V: 70 dB typical
  - IC-M1EUROV: 68 dB
- Hum and noise ratio: More than 40 dB
- Audio output power: 0.35 W typ. at 10% distortion with an 8 ohm load

Specifications for the IC-M1V and the IC-M1EURO V are measured in accordance with EIA-152C & EIA-204D(E) and EN301-178, respectively. The IC-M1EURO V meets EMC directive. All stated specifications are typical and subject to change without notice or obligation.

## Supplied Accessories

- BP-215 battery pack
- AD-95 battery charger (AC adapter below required for charging)
- BC-122A/E/V AC adapter (depending on version)
- Antenna
- Belt clip
- Hand strap

Type approval for options varies between countries.

BP-215 Li-Ion battery pack (same as supplied).

- AD-95 battery charger + BC-122A/E/V AC adapter (same as supplied).
- HM-125 speaker-microphone
- UT-98 voice scrambler unit
- UT-112 voice scrambler unit
- CP-17L cigarette lighter cable
- OPC-515L DC power cable

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