

IC-M71

The radio with **MORE** :

- More Power (6 Watts)
- More Waterproof (IPX8)
- More Form Factor (easy to hold and operate)



Compact Body, Great “Form Factor”

A compact design, hourglass body-shape and comfortable side grips give the IC-M71 an outstanding “form factor”—Perfect for one handed use!

Highest available power! 6 Watts

The IC-M71's 6 Watts*¹ of transmit power can carry a conversation a long way. A large capacity 2000mAh Lithium-Ion battery allows for 15–16 hours of operation, under normal conditions*².

*¹ 1W for FRG version, *² 5% Transmit, 5% Receive, 90% Stand-by

600mW AF output

The built-in BTL amp doubles the audio output and delivers a loud 600mW audio from the internal speaker. You can hear a call even in noisy environments.

Advanced Waterproofing (IPX8)

The IC-M71 offers Icom's best-ever protection against water intrusion. This radio has been tested to survive after being submerged in 1.5m (4.9ft) depth of water for 30 minutes.

Wide Viewing Angle LCD

A wide viewing angle, high intensity LCD is used in the IC-M71, offering bright, easy to read characters. The bright LCD backlighting and backlit keypad is great for night time operation.

30% Shorter Antenna

A 30% shorter than an average Icom antenna (FA-S64V) is available adding further compactness to the already compact form of the radio body.

* Supplied antenna may differ depending on version.

Additional features

- Auto scan function*1 to start scanning when receiving no signal
- Simple add/delete TAG scanning*1 operation
- Auto power save function
- Battery indicator shows remaining battery power in 4 levels
- Optional headsets plus OPC-1392 offers hands-free (VOX) operation
- Built-in UT-112 compatible voice scrambler (Depending on version)
- AquaQuake draining function emits a vibrating sound and clears water away from the speaker grill
- 70 programmable*2 channels

*1 Except Holland version. *2 Appropriate license will be required.

SPECIFICATIONS

| GENERAL | |
|------------------------------|--|
| • Frequency range | Tx 156.000-161.450MHz Rx 156.000-163.425MHz |
| • Usable channels | : INT, USA* channels (* Depending on version) |
| • Current drain (at 7.2V DC) | Tx 6W output 1.7A typical 1W output 0.7A typical Rx Internal SP 400mA typical (AF Max.) External SP 200mA typical (AF Max.) |
| • Operating Temp. range | : -15°C to +55°C |
| • Antenna impedance | : 50Ω (SMA) |
| • Dimensions (W×H×D) | : 52.5×125×30 mm (projections not included) |
| • Weight (approx.) | : 280g (with BP-245N) |

| TRANSMITTER | |
|-----------------------------|--------------------------------|
| • Output power (Hi/Mid/Low) | : 6/3/1W FRG version 1/0.5W |
| • Max. frequency deviation | : ± 5.0kHz |
| • Frequency error | : ± 1.5kHz |
| • Spurious emissions | : 0.25μW |
| • Adjacent channel power | : 70dB |
| • Residual modulation | : 40dB |
| • Audio harmonic distortion | : Less than 10% (at 60% dev.) |

| RECEIVER | |
|--|--|
| • Sensitivity (20dB SINAD) | : -2dBμ emf typical |
| • Squelch sensitivity | : -6dBμ emf typical (threshold) |
| • Adjacent channel selectivity | : 70dB |
| • Spurious response | : 70dB |
| • Intermodulation rejection | : 68dB |
| • Hum and noise ratio | : 40dB |
| • Audio output power (at 10% distortion with an 8Ω load) | Internal SP 0.6W typical (BTL) External SP 0.2W |

Supplied accessories: (* Depending on version)
 • Battery pack, BP-245N • Battery charger, BC-166
 • AC adaptor, BC-147E* • Belt clip, MB-103
 • Antenna, FA-S64V or FA-S59V* • Hand strap

Applicable U.S. Military Specifications

| Standard | MIL 810 C | | MIL 810 D | | MIL 810 E | | MIL 810 F | |
|-----------------|-----------|----------|-----------|---------|-----------|---------|-----------|--------|
| | Method | Proc. | Method | Proc. | Method | Proc. | Method | Proc. |
| Low Pressure | 500.1 | I | 500.2 | I, II | 500.3 | I, II | 500.4 | I, II |
| High Temp. | 501.1 | I | 501.2 | I, II | 501.3 | I, II | 501.4 | I, II |
| Low Temp. | 502.1 | I | 502.2 | I, II | 502.3 | I, II | 502.4-3 | I, II |
| Temp. Shock | 503.1 | I | 503.2 | I | 503.3 | I | 503.4 | I |
| Solar Radiation | 505.1 | I | 505.2 | I | 505.3 | I | 505.4 | I |
| Rain | 506.1 | I, II | 506.2 | I, II | 506.3 | I, II | 506.4 | I, III |
| Humidity | 507.1 | I, II | 507.2 | II, III | 507.3 | II, III | 507.4 | - |
| Salt Fog | 509.1 | I | 509.2 | I | 509.3 | I | 509.4 | - |
| Dust Blowing | 510.1 | I | 510.2 | I | 510.3 | I | 510.4 | I |
| Immersion | 512.1 | I | 512.2 | I | 512.3 | I | 512.4 | I |
| Vibration | 514.2 | VIII, X | 514.3 | I | 514.4 | I | 514.5 | I |
| Shock | 516.2 | I, II, V | 516.3 | I, IV | 516.4 | I, IV | 516.5 | I, IV |

Measurements made in accordance with EN301-178-2. All stated specifications are subject to change without notice or obligation.

OPTIONS

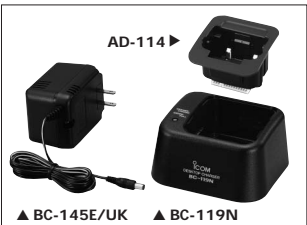
Some options may not be available in some countries. Please ask your dealer for details.



BP-245N 7.4V/2000mAh Li-Ion battery pack. Provides 15-16 hours* operating time (approx.). Same as supplied. *(Tx (Hi): Rx: standby=5:5:90).



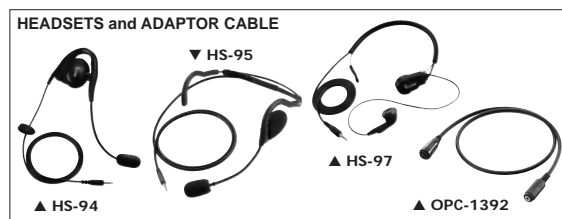
BC-166 DESKTOP CHARGER + **BC-147E** AC ADAPTER
 Regularly charges the battery pack, BP-245N in 11-12 hours (approx.). Same as supplied.



BC-119N DESKTOP CHARGER + **AD-114** CHARGER ADAPTER + **BC-145E/UK** AC ADAPTER
 For rapid charging of a battery pack. Charging time: 3-4 hours. (approx.)



BC-121N MULTI-CHARGER + **AD-114** CHARGER ADAPTER + **BC-157** AC ADAPTER
 For rapid charging of up to 6 battery packs (Six AD-114s are required). Charging time: 3-4 hours. (approx.)
OPC-656 DC POWER CABLE (12-16V DC required)



HS-94 : Earhook headset with flexible boom microphone.
HS-95 : Behind-the-head headset with flexible boom microphone.
HS-97 : Throat microphone fits around your neck and picks up speech vibrations.
OPC-1392 : Required when using these headsets. These headsets are not waterproof.



HM-125 : Waterproof speaker-microphone equivalent to IPX7.
HM-167 : Waterproof speaker-microphone equivalent to IPX8.



CP-17L CIGARETTE LIGHTER CABLE WITH NOISE FILTER
OPC-515L DC POWER CABLE
 For use with the battery charger, BC-119N, instead of the AC adaptor. (12-16V DC required)



MB-86: Swivel-type.
MB-103: Alligator-type. Same as supplied.
ANTENNAS
FA-S64V: 115mm antenna.
FA-S59V: 150mm antenna.

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