

IC-M31



Icom Performance at an Entry Level Price

- Waterproof Protection (1m depth for 30 minutes*)
- Large Backlit LCD Display
- Well-spaced, Illuminated 9 Button Keypad
- Ni-Cd Battery Pack & Desktop Charger Supplied
- Powerful 5W Output Power
- 70 Programmable Channels



Actual display size.

- Simple Operation with Tag Scanning System
- Dual/Tri-watch Functions
- 4-Step Battery Life Indicator & 2-Step Power Saver
- Squelch & Volume Level Indicator
- Instant Access to Ch 16 or Programmable Call Channel

* Equivalent to JIS Grade 7 or IPX7 of the corresponding international standard IEC 529 (1989).



SPECIFICATIONS

GENERAL

- Frequency range* :
 - Tx 156.000–161.450MHz
 - Rx 156.000–163.425MHz
 * Frequency range may be subject to licensing conditions.
- Usable channels : INT and USA* channels
* Available depending on version
- Type of emission : 16K0G3E (FM)
- Current drain (at 7.5V DC) :
 - Tx at 5W output 1.5A typical
 - at 1W output 0.7A typical
 - at 0.5W output 0.6A typical
 - Rx AF max. 200mA typical
 - Power save 20mA typical
- Operating temp. range : –15°C to +55°C
- Antenna impedance : 50Ω (STUD)
- Dimensions : 61(W)×135(H)×41(D) mm
(projections not included)
- Weight (approx.; with BP-224): 360g

Specifications for the IC-M31 are measured in accordance with EN301-178. All stated specifications are subject to change without notice or obligation.

TRANSMITTER

- Output power : 5W (High), 1W (Low)
German version : 1W (High), 0.5W(Low)
- Modulation system : Variable reactance frequency modulation
- Max. frequency deviation : ± 5kHz
- Frequency error : ± 1.5kHz
- Spurious emissions : 250nW
- Adjacent channel power : 70dB
- Audio harmonic distortion : 10% (at 60% deviation)
- Residual modulation : 40dB

RECEIVER

- Sensitivity (at 20dB SINAD) : –2dBμ emf typical
- Squelch sensitivity : 0dBμ emf typ. (at threshold)
- Adjacent Ch. selectivity : 70dB
- Spurious response : 70dB
- Intermodulation rejection : 68dB
- Hum and noise ratio : 40dB
- Audio output power : 0.2W (at 10% distortion with an 8Ω load)



Supplied accessories:

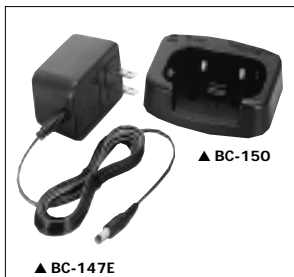
- Battery pack, BP-224
 - AC adapter, BC-147E*
 - Antenna
 - Top panel
 - Desktop charger, BC-150
 - Belt clip, MB-68
 - Hand strap
 - Top sheet
- (* Not supplied with some versions.)

OPTIONS

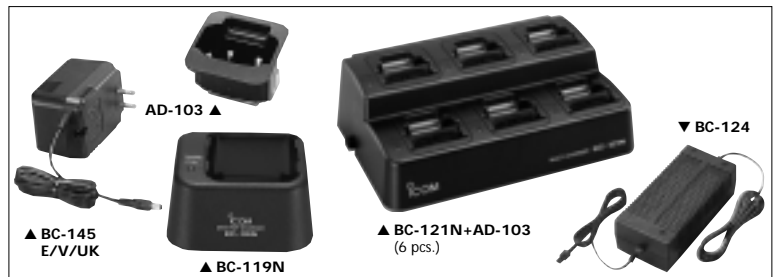
BATTERY PACK AND CASE



BP-223 BATTERY CASE
Battery case for R6 (AA)×6 alkaline cells.
BP-224 BATTERY PACK
7.2V/750mAh Ni-Cd battery pack. Provides 7.5 hours operating time (approx.). Same as supplied. (Tx (Hi): Rx: standby=5:5:90)



BC-150 DESKTOP CHARGER + BC-147E AC ADAPTER
Regularly charges the battery pack, BP-224 in 8 hours (approx.).



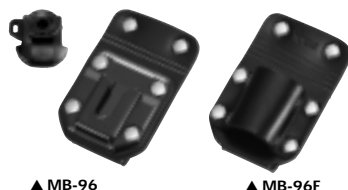
BC-119N DESKTOP CHARGER + AD-103 CHARGER ADAPTER + BC-145E/V/UK AC ADAPTER
For rapid charging of a battery pack. An AC adapter may be supplied depending on version. Charging time: 1–2 hrs.
BC-121N MULTI-CHARGER + AD-103 CHARGER ADAPTER + BC-124 AC ADAPTER
For rapid charging of up to 6 battery packs (Six AD-103's are required), BP-224. An AC adapter, BC-124, or a DC power cable, OPC-656 is required. Charging time: 1–2 hours.

BELT CLIPS



MB-68 : Standard flat belt clip for attaching to your belt. Same as supplied.
MB-74N : Alligator type. Clips to almost anything in a variety of convenient places.
MB-87 : Swivel belt clip. Prevents accidental dropping from your belt.

LEATHER BELT HANGERS



MB-96 : Swivel belt hanger.
MB-96F : Fixed type (Non-swing) belt hanger. For use with MB-68 or MB-74N.
Made with leather and ensures that the radio stays on your belt.

CP-17L



CP-17L CIGARETTE LIGHTER CABLE WITH NOISE FILTER

OPC-515L DC POWER CABLE
For use with the battery charger, BC-150 or BC-119N, instead of the AC adapter. (12–16V DC required)

OPC-656



OPC-656 DC POWER CABLE
For use with the BC-121N. (12–16V DC required)

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