



VHF FM TRANSCEIVER

IC-V80 SPORT



ALKALINE POWERED

Comes with a AA size alkaline battery tray instead of battery and charger. Longer storage life, same power output. Perfect for your emergency kit.

Rugged and Basic 2M with Powerful Audio!

Icom radios are built tough, and the IC-V80/E – Icom's most economical 2M – is no exception. This military rugged rig offers water resistance and superior protection against dust and dirt (IP54). Compact, rugged and with plenty of power, the IC-V80/E is ideal for basic, on-the-go ham operations.

750mW loud audio

The IC-V80/E uses the BTL (bridge-tied load) amplifier that doubles the audio output. The 36mm large speaker delivers 750mW of loud and intelligible audio*. Great for noisy environments.

* Typical value using with internal speaker.

Powerful 5.5W of output power

The IC-V80/E offers a just-right mix of power and size. 5.5 watts of high power will work to get your message through. Get up to 19 hours* of operating time with the Li-ion battery pack (BP-265) or 13 hours with the Ni-MH (BP-264). All that power comes in an easy to hold and use size – not too big, not too small.

* Typical operation. 5.5:90 duty cycle with power save on.

IP54 and MIL-STD-810 rugged construction

The dust protection and water-resistance equivalent to IP54 provides reliable operation for practical outdoor operation. The IC-V80/E tested to and passed 11 categories of MIL-STD-810 environmental tests.

A total of 207 memory channels

The IC-V80/E has a total of 207 memory channels, including 200 regular channels, 6 scan edges and 1 call channel. The channel name is programmable with 5 characters for easy recognition.

Built-in CTCSS/DTCS

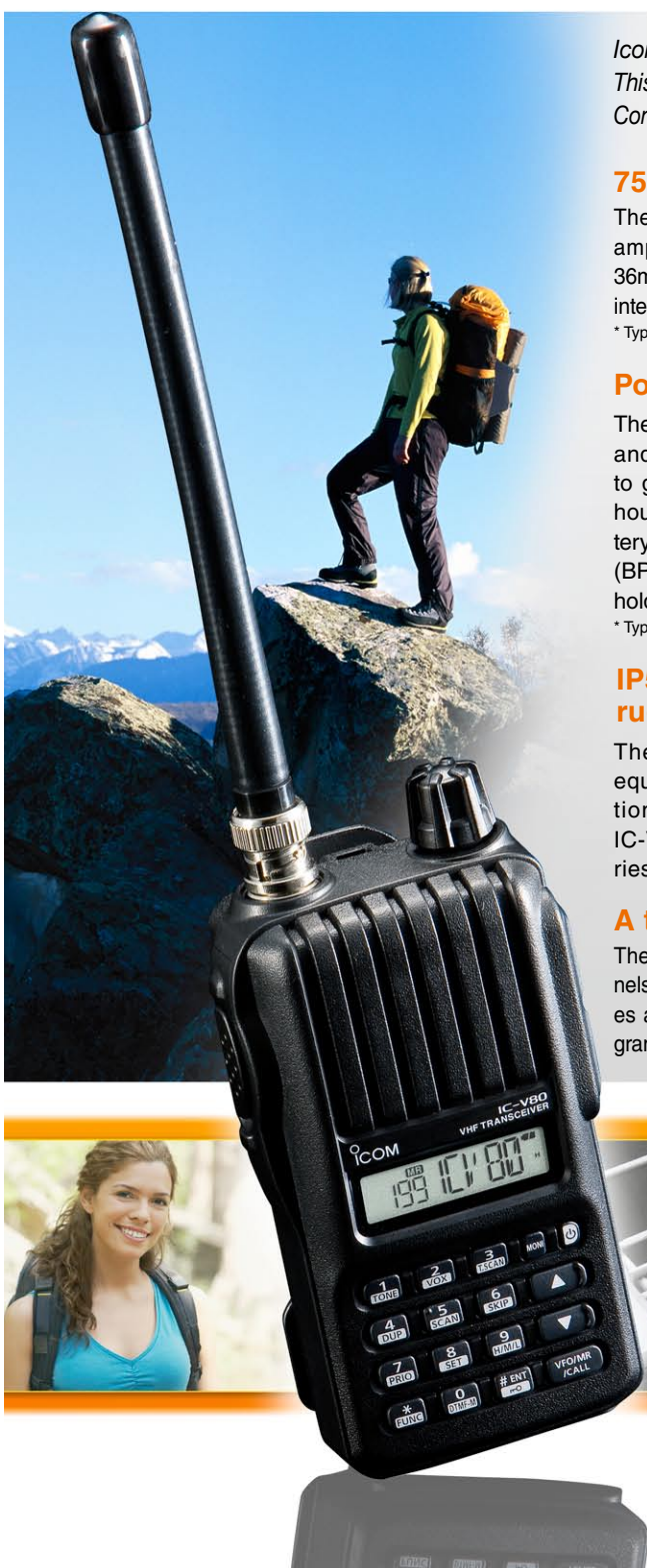
The CTCSS and DTCS tone codes provide quiet stand-by and allow you to use tone-access repeaters. The pocket beep alerts you when a matching tone frequency is received. The tone scan detects the subaudible tone that is used for repeater access.

Internal VOX function

The IC-V80/E has internal VOX (Voice Operated Transmit) function for convenient hands-free operation with a compatible optional headset and plug adapter cable. Also, the VOX gain and VOX delay time are adjustable.

Other features

- WX channel and weather alert function (USA version only)
- Program, memory, skip, priority and tone scans
- Power save function
- BNC type antenna connector
- Automatic repeater function (USA version only)
- 1750Hz tone for European repeater access (IC-V80E only)
- TOT (time out timer) setting
- Repeater lockout and busy channel lockout
- PC programmable with optional CS-V80
- Transceiver-to-transceiver cloning (Optional)
- Direct keypad frequency entry
- DTMF memory channels
- Auto power off
- LCD backlight
- Wide/narrow channel spacing



Dust protection



Water resistance



Transit drop test (Photo shows image)

Icom America Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage :

Version	Tx	Rx (Working range)
USA, Australia	144-148MHz	136-174MHz*
Europe, UK	144-146MHz	144-146MHz

* Guaranteed range 144-148MHz
- Type of emissions : F2D/F3E (FM)
- No. of memory Ch. : 207 (incl. 6 scan edges and 1 call)
- Operating Temp. range: -20°C to +60°C; -4°F to +140°F (Radio only)
- Frequency stability : ±2.5ppm (-20°C to +60°C) at 25°C
- Power supply : 7.2V DC requirement
- Current drain (at 7.2V DC):

	Tx	Rx
High (5.5W)	1.4A typical	310mA typ. (Internal SP, 16Ω load)
Max. audio	1.4A typical	180mA typ. (External SP, 8Ω load)
Stand-by	65mA typical	
Power save	20mA typical	
- Antenna impedance : 50Ω (BNC)
- Dimensions (W×H×D) : 58 × 112 × 30 mm; (Projections not included) 2⁹/₃₂ × 4¹³/₃₂ × 1³/₁₆ in
- Weight (approx.) : 140g; 4.9oz (without battery case)

TRANSMITTER

- Output power (at 7.2V) : 5.5/2.5/0.5W (High/mid/low)
- Max. freq. deviation : ±5.0kHz/±2.5kHz (Wide/narrow)
- Spurious emissions : Less than -60dB
- External microphone : 3-conductor 2.5(d)mm (1/16")/2.2kΩ connector

RECEIVER

- Sensitivity : 0.14μV typical (at 12dB SINAD)
- Squelch sensitivity : 0.1μV typical (threshold)
- Selectivity : 70dB/50dB typical (Wide/narrow)
- Intermodulation : 70dB/65dB typical (Wide/narrow)
- Spurious and image rejection : 75dB typical
- Audio output power : 750mW typ. (Internal SP, 16Ω load) (at 10% distortion) 450mW typ. (External SP, 8Ω load)
- External speaker : 3-conductor 3.5(d) mm (1/8")/8Ω connector

All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications & IP Rating

Standard	MIL 810 F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4-3	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain	506.4	I, III
Humidity	507.4	-
Salt Fog	509.4	-
Dust	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV

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

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

OPTIONS

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



- BP-263 BATTERY CASE**
Battery case for AA (LR6)×6 alkaline cells.
- BP-264 7.2V/1400mAh Ni-MH BATTERY PACK**
Provides 13 hours operating time (approx.).
- BP-265 7.4V/1900mAh (min.), 2000mAh (typ.), Li-Ion BATTERY PACK**
Provides 19 hours operating time (approx.). (Tx (Hi): Rx: standby=5:5:90, Power save on.)



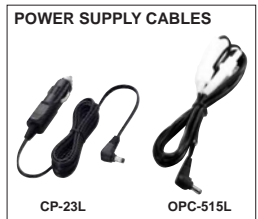
- REGULAR CHARGER For BP-264 (Ni-MH battery)**
BC-147S
- BC-192 DESKTOP CHARGER + BC-147S AC ADAPTER**
Charges the BP-264 in 16 hours (approx.).



- RAPID CHARGER For BP-264 (Ni-MH battery)**
BC-123S
- BC-191 DESKTOP CHARGER + BC-123S AC ADAPTER**
Charges the BP-264 in 2 hours (approx.).



- RAPID CHARGER For BP-265 (Li-Ion battery)**
BC-123S
- BC-193 DESKTOP CHARGER + BC-123S AC ADAPTER**
Charges the BP-265 in 2.5 hours (approx.).



- POWER SUPPLY CABLES**
CP-23L
- OPC-515L DC POWER CABLE**
For use with the BC-191, BC-192 or BC-193.



- HM-153L**: Durable earphone-microphone.
- HM-158L**: Compact type speaker-microphone.
- HM-159L**: Full size durable speaker-microphone.



- HS-94**: Earhook headset with flexible boom microphone.
- HS-95**: Behind-the-head headset with flexible boom microphone.
- HS-97**: Throat microphone that fits around your neck and picks up speech vibrations.
- OPC-2004**: Required when using any of these headsets.



- MB-124**
Alligator type clip. Same as supplied.

- CS-V80 CLONING SOFTWARE + OPC-478/UC CLONING CABLE**
Provides quick and easy programming of memory channel, names, etc. OPC-478/UC is a USB cable type.
- OPC-474 CLONING CABLE**
Cloning cable for transceiver-to-transceiver data cloning.
- FA-B2E VHF ANTENNA**
Same as supplied.

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