



144MHz FM TRANSCEIVER

IC-V8



Quality, simplicity, anywhere

Tough construction

The green polycarbonate front panel and aluminum die-cast chassis provide durability. The 54(W)×132(H)×35(D)mm* compact ergonomic body is easy for carrying anywhere.

* 2 $\frac{1}{8}$ (W)×5 $\frac{3}{16}$ (H)×1 $\frac{3}{8}$ (D)in.

16 button keypad for easy-to-access functions

The function guidance is labeled on the 16 buttons. It's easy to manage all of the functions equipped on the IC-V8 by pushing the Function key and shortcut keys. In addition, a channel number or an operating frequency can be entered from the keypad directly.

Powerful 5.5W of output power

The IC-V8 generates a powerful 5.5W output with Ni-Cd or Ni-MH battery packs, ensuring you a wide communication range.

Reversible up/down switches and rotary selector

Channel selection, volume, squelch and subaudible tones can be assigned to the up/down switches or rotary selector at your convenience.

5-character alphanumeric display

Letters and numeral character names provide easy recognition of each channel. S-meter, output power, power save, keylock, tone and duplex setting icons show various operating status at glance.

100 memory channels and one call channel

Up to 100 of your favorite frequencies can be stored into the memory with channel name, tone, output power and duplex setting. Furthermore, one call channel provides one touch channel access for a frequently used frequency.

CTCSS and DTCS operation standard

50 CTCSS and 104×2 DTCS tone squelch operation codes (encoder and decoder) provide quiet standby and allow you to access closed repeater. Pocket beep keeps track of calls, and tone scan detects the subaudible tone in the receiving signals.

Standard DTMF encoder and optional DTMF decoder

5 DTMF memory channels with up to 24 DTMF codes allow remote operation. The optional DTMF decoder unit, UT-108, provides code squelch operation and pager function.

Other features

- Set mode and initial set mode menu ensure easy operation
- Very fast scanning speed of 40 channels per second (During program scanning)
- Mic. simple remote control with optional HM-75A
- LED backlighting for LCD
- PC cloning capability
- Reverse shift function
- Auto squelch delay

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage : Tx 144–148MHz
Rx 136–174MHz*
*Guaranteed range 144–148MHz
- Mode : FM (F3E, F2D)
- No. of memory Ch. : 107 (incl. 6 scan edges and 1 call)
- Frequency stability : ±10ppm (–10°C to +60°C)
- Operating temperature range:
–10°C to +60°C; +14°F to +140°F
- Power supply requirement : 7.2V DC (6.0–10.3V DC acceptable; Icom's battery pack only)
- Current drain (at 7.2V DC):

Tx	5.5W	2.0A
	0.5W	0.7A
Rx	Max. audio	250mA
	Standby	70mA
	Power saved	20mA

- Antenna connector : BNC (50Ω)
- Dimensions : 54(W)×132(H)×35(D) mm;
(proj. not incl.) 2 1/8(W)×5 3/16(H)×1 3/8(D) in
- Weight (approx.) : 350g; 12.3oz (w/ant. and BP-222)

TRANSMITTER

- Output power : High 5.5W
(at 7.2V DC) Low 0.5W
- Spurious emissions : Less than –60dB
- Max. freq. deviation : ±5.0kHz
- Ext. mic. connector : 3-conductor 2.5(d)mm (1/16")
/2.2kΩ

RECEIVER

- Receiving system : Double conversion super-heterodyne
- Intermediate freq. : 1st 21.7MHz
2nd 450kHz
- Sensitivity : 0.16μV (typ.; at 12dB SINAD)
- Squelch sensitivity : 0.10μV (typ.; threshold)
- Selectivity : 65dB (typical)
- Intermodulation : 75dB (typical)

- Spurious and image rejection: 75dB (typical)
- Audio output power : 300mW with an 8Ω load
(at 7.2V DC)
- Ext. SP connector : 3-conductor 3.5(d)mm (1/8")/8Ω

Supplied accessories

- Battery case or battery pack* ● Desktop charger*
- Antenna ● Belt clip *depending on version

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

OPTIONS

BATTERY PACKS AND CASE

BP-208 AA (R6) batteries × 6	BP-209 Ni-Cd 7.2V/1100mAh	BP-210 Ni-MH 7.2V/1650mAh	BP-222 Ni-Cd 7.2V/600mAh
---	--	--	---------------------------------------



BATTERY PACKS AND CASE	BP-208	BP-209	BP-210	BP-222
OUTPUT POWER	5.5W typ.*	5.5W typ.	5.5W typ.	5.5W typ.
BATTERY LIFE	–	7.5hours	11hours	4.0hours

Approx. battery life; Tx (H); Rx: standby=5:5:90 with auto power save
* The LOW output power selection is recommended.

REGULAR CHARGER



BC-146 DESKTOP CHARGER + BC-147A/E AC ADAPTER
Charges a battery pack, BP-209, BP-210 or BP-222 with/without transceiver in 12, 18.5, 6.5 hours (approx.), respectively. BC-137 is also available for regular charging.

RAPID CHARGERS



BC-144 DESKTOP CHARGER + BC-145A/E/V AC ADAPTER
For rapid charging of battery pack, BP-209, BP-210 or BP-222. An AC adapter, BC-145, is supplied with the charger depending on version. Charging time: 1.5 to 2 hours. BC-119 is also available for rapid charging.
BC-121 MULTI-CHARGER + AD-94 (Ver. 11) DESKTOP CHARGER ADAPTER + BC-124 AC ADAPTER
For rapid charging of up to 6 battery packs (Six AD-94s are required). BP-209, BP-210 or BP-222. An AC adapter, BC-124, may be supplied, depending on version. Charging time: 1.5 to 2 hours.

SPEAKER-MICROPHONES



- HM-46L:** Slim dimensions. Equipped with an earphone jack and a transmit indicator.
- HM-75A:** Allows you to remotely select operating channel, etc., according to program.
- HM-131L:** Compact and durable body. Equipped with an earphone jack and a revolving clip.

HS-51 HEADSET



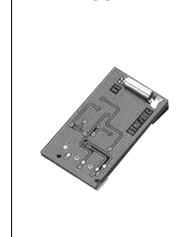
For hands-free operation. Includes VOX, PTT and "one-touch" PTT with a time-out timer.

HM-128L EARPHONE-MICROPHONE



The light weight earphone-mic. has a compact microphone with PTT switch that clips to your lapel or breast pocket.

UT-108 DTMF DECODER



Provides DTMF decode capability with code squelch and pager operation.

SP-13 EARPHONE
Provides clear audio even in noisy environments.

CS-V8 CLONING SOFTWARE + OPC-478 CLONING CABLE
Provides quick and easy programming of memory channel, memory names and set mode contents, for local repeater freq., etc.

OPC-474 CLONING CABLE
Used for handheld-to-handheld data cloning.

MB-68 BELT CLIP
Same as that supplied.

MB-74 BELT CLIP
Alligator type. Clips almost anything in a variety of convenient places.

Icom Inc.

1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: 06 6793 5302 Fax: 06 6793 0013 URL: <http://www.icom.co.jp/world/index.html>

Count on us!

Icom America Inc.

<Corporate Headquarters>
2380 116th Avenue N.E., Bellevue, WA 98004, U.S.A.
Phone: (425) 454-8155 Fax: (425) 454-1509
URL : <http://www.icomamerica.com>
<Customer Service> Phone : (425) 454-7619

Icom Canada

Glenwood Centre #150-6165 Highway 17,
Delta, B.C., V4K 5B8, Canada
Phone: (604) 952-4266 Fax: (604) 952-0090
URL : <http://www.icomcanada.com>

Icom (Australia) Pty. Ltd.

A.B.N. 88 006 092 575
290-294 Albert Street, Brunswick, Victoria, 3056, Australia
Phone: 03 9387 0666 Fax: 03 9387 0022
URL : <http://www.icom.net.au>

Icom New Zealand

146A Harris Road, East Tamaki, Auckland, New Zealand
Phone: 09 274 4062 Fax: 09 274 4708
URL : <http://www.icom.co.nz>

Icom (Europe) GmbH

Communication Equipment
Himmelgeister Str. 100, D-40225 Düsseldorf, Germany
Phone: 0211 346047 Fax: 0211 333639
URL : <http://www.icomeurope.com>

Icom Spain S.L.

Ctra. de Gracia a Manresa Km. 14,750
08190 Sant Cugat del Valles Barcelona, SPAIN
Phone: (93) 590 26 70 Fax: (93) 589 04 46
URL : <http://www.icomspain.com>

Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay, Kent, CT6 8LD, U.K.
Phone: 01227 741741 Fax: 01227 741742
URL : <http://www.icomuk.co.uk>

Icom France S.a

Zac de la Plaine, Rue Brindejonc des Moulins
BP 5804, 31505 Toulouse Cedex, France
Phone: 561 36 03 03 Fax: 561 36 03 00
URL : <http://www.icom-france.com>

Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road,
Taipei, Taiwan, R.O.C.
Phone: (02) 2559 1899 Fax: (02) 2559 1874

Your local distributor/dealer:



Certificate Number Q141190

Icom Inc. (Japan), is an ISO9001 certification acquired company.