


ICOM

144MHz FM TRANSCEIVER

IC-T3H



Quality & simplicity anywhere

Tough Construction

The IC-T3H features a slim line curved casing that has been ergonomically designed so that it fits comfortably in your hand. The green polycarbonate front panel and aluminium die-cast chassis provide high reliability in the toughest conditions.

16 Button Keypad for Easy-to-access Functions

The IC-T3H is very easy to use and has 16 clearly labelled function buttons that can be activated by pushing the function key and shortcut keys. Channel number or operating frequency can be entered directly from the keypad.

Powerful 5.5W of Output

The IC-T3H is capable of providing a powerful 5.5W output with either Ni-Cd or Ni-MH battery packs, ensuring a wide communication range.

Clear LCD Display

A 5 character alphanumeric backlit LCD enables you to see the radio's operating conditions. S-meter, output power, power save, key-lock, tone and duplex setting icons show various operating status at a glance.

Reversible Up/Down Switches and Rotary Selector

Channel selection, volume and squelch functions can be assigned to either the up/down switches or to the rotary selector.

100 Memory Channels and One Call Channel

Up to 100 of your favourite frequency settings (including channel name, tone, output power and repeater offset) can be stored in the memory. Furthermore, one call channel provides one touch channel access for a frequently used frequency.

CTCSS and DTCSS Operation Standard

50 CTCSS and 104x2 DTCSS tone squelch operation codes (encode and decode) provide quiet standby and allow you repeater access. A pocket beep alerts you of a call and a tone scan can detect the sub-audible tone in use 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 UT-108 DTMF decoder unit provides code squelch operation as well as a pager function.

Other features

- Set mode and initial set mode menu ensures easy operation
- Fast scanning speed of 40 channels per second (During program scanning)
- Optional HM-75A provides remote control from the speaker-mic.
- Optional HS-94 + VS-1L provide hands-free operation
- PC cloning capability
- Auto squelch delay

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage : 144–146MHz
- Mode : FM (F3E, F2D)
- No. of memory Ch. : 107 (incl. 6 scan edges and 1 call)
- Frequency stability : ±10ppm (–10°C to +60°C)
- Temperature range : –10°C to +60°C
- Power supply requirement : 7.2V DC (Icom's battery pack only)
- Current drain (at 7.2V DC):

Tx	5.5W	2.0A
	0.5W	0.8A
Rx	Max. audio	250mA
	Standby	70mA
	Power save	20mA

- Antenna connector : BNC (50Ω)
- Dimensions : 54(W)×132(H)×35(D) mm (projections not included)
- Weight (approx.) : 350g (with 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/2.2kΩ

RECEIVER

- Intermediate freq. : 1st 21.7MHz 2nd 450kHz
- Sensitivity : 0.16μV (typ.; at 12dB SINAD)
- Squelch sensitivity : 0.10μV (typ.; threshold)
- Selectivity : 65dB (typical)
- Intermodulation : 65dB (typical)
- Spurious and image rejection: 75dB (typical)
- Audio output power : 300mW with an 8Ω load
- Ext. SP connector : 3-conductor 3.5(d)mm/8Ω

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, II
Humidity	507.1	I, II	507.2	II, III	507.3	II, III	507.4	–
Salt Fog	508.1	I	509.2	I	509.3	I	509.4	–
Dust	510.1	I	510.2	I	510.3	I	510.4	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

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 (Hi); 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 the battery pack, BP-209, BP-210 or BP-222 with/without transceiver in 12, 18.5, 6.5 hours (approx.), respectively. The BC-147 AC ADAPTER is additionally required.

RAPID CHARGERS

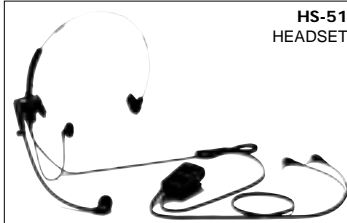


BC-144 DESKTOP CHARGER + BC-145A/E/V AC ADAPTER
For rapid charging of battery pack, BP-209, BP-210 or BP-222. An AC adapter, BC-145, is supplied with the charger depending on version. Charging time: 1.5 to 2 hours. BC-119N is also available for rapid charging.
BC-121N MULTI-CHARGER + AD-94 (ver. 11) 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 cloning.
HM-131L: Compact and durable body. Equipped with an earphone jack and a revolving clip.



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



Provides clear audio in noisy environments.



Provides DTMF decode capability with code squelch and pager operation.

BELT CLIPS



MB-74: Alligator type. Clips to almost anything in a variety of convenient places.
MB-87: Swivel belt clip. Prevents accidental dropping from your belt.
MB-68: Flat type clip.

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.

Icom Inc. 1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (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: +1 (425) 454-8155 Fax: +1 (425) 454-1509
URL : <http://www.icomamerica.com>
<Customer Service> Phone: (425) 454-7619

Icom (Europe) GmbH
Communication Equipment
Himmelgeister Str. 100, D-40225 Düsseldorf, Germany
Phone: +49 (0211) 346047 Fax: +49 (0211) 333639
URL : <http://www.icomeurope.com>

Asia Icom Inc.
6F No. 68, Sec. 1 Cheng-Teh Road, Taipei, Taiwan, R.O.C.
Phone: +886 (02) 2559 1899 Fax: +886 (02) 2559 1874
URL : <http://www.asia-icom.com>

Your local distributor/dealer:

Icom Canada
Glenwood Centre #150-6165 Highway 17,
Delta, B.C., V4K 5B8, Canada
Phone: +1 (604) 952-4266 Fax: +1 (604) 952-0020
URL : <http://www.icomcanada.com>

Icom Spain S.L.
Ctra. de Gracia a Manresa Km. 14,750
08190 Sant Cugat del Valles Barcelona, SPAIN
Phone: +34 (93) 590 26 70 Fax: +34 (93) 589 04 46
URL : <http://www.icomspain.com>

Beijing Icom Ltd.
1305, Wanshang Plaza, Shijingshan Road, Beijing, China
Phone: +86 (010) 6866 6337 Fax: +86 (010) 6866 3553
URL : <http://www.bjicom.com>

Icom (Australia) Pty. Ltd.
A.B.N. 88 006 092 575
290-294 Albert Street, Brunswick, Victoria, 3056, Australia
Phone: +61 (03) 9387 0666 Fax: +61 (03) 9387 0022
URL : <http://www.icom.net.au>

Icom (UK) Ltd.
Unit 9, Sea St., Herne Bay, Kent, CT6 8LD, U.K.
Phone: +44 (01227) 741741 Fax: +44 (01227) 741742
URL : <http://www.icomuk.co.uk>



Certificate Number Q14190
Icom Inc. (Japan), is an ISO9001 certification acquired company.

Icom New Zealand
146A Harris Road, East Tamaki, Auckland, New Zealand
Phone: +64 (09) 274 4062 Fax: +64 (09) 274 4708
URL : <http://www.icom.co.nz>

Icom France S.a
Zac de la Plaine, 1, Rue Brindejonc des Moulinais
BP 5804, 31505 Toulouse Cedex, France
Phone: +33 (5) 61 36 03 03 Fax: +33 (5) 61 36 03 00
URL : <http://www.icom-france.com>