



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

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**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	0.7A
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**

- 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 : 65dB (typical)

- Spurious and image : 75dB (typical) rejection
- Audio output power : 300mW with an 8Ω load
- Ext. SP connector : 3-conductor 3.5(d)mm/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 (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-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 cloning.  
HM-131L: Compact and durable body. Equipped with an earphone jack and a revolving clip.

**HS-94 EARHOOK-HEADSET**



Flexible boom microphone and rotating earbud with a spring earhook. Use with the VS-1L.

**VS-1L VOX/PTT CASE**



Allows you hands-free operation. Use with the HS-94.

**HS-51 HEADSET**



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

**BELT CLIPS**



MB-74: Alligator type. Clips to almost anything in a variety of convenient places.  
MB-68: Same as that supplied.

**SP-13 EARPHONE**



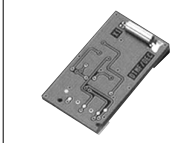
Provides clear audio in noisy environments.

**HM-128L EARPHONE-MICROPHONE**



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

**UT-108 DTMF DECODER**



Provides DTMF decode capability with code squelch and pager operation.

**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.

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Certificate Number Q14190

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

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