

ICOM

144 MHz FM TRANSCEIVER

IC-T2H



Meets
MIL-STD 810

More than enough power...

6 W* of transmit power and 500 mW* of audio output

The IC-T2H provides a powerful 6 W* of RF output power with the supplied Ni-Cd battery pack. More than enough for long distance communications. And on the receiving side a generous 500 mW* of audio is emitted for clear reception even in noisy operating environments.

*Typical at 9.6 V DC.

Commercial grade durability

Built tough. The IC-T2H is designed and constructed to deliver reliable performance under demanding conditions.

Tone squelch standard

The built-in tone squelch system provides quiet standby (the squelch only opens for calls directed to you) as well as pocket beep and tone scan functions. Pocket beep provides a method of keeping track of calls directed to you (like a 'common' pager) and tone scan allows you to detect subaudible tone frequencies that are needed to open a repeater, etc.

Easy operation with customizable keys

Default key functions have been assigned with ease of operation in mind. However, eight keys on the keypad are customizable allowing you to assign functions to them other than the defaults. This can be performed via cloning or directly from the keypad.

DTMF encoder with memory channels

A DTMF encoder with 5 DTMF memory channels is built-in—DTMF codes of up to 32 characters can be stored. And an automatic re-dial function provides simple operation for autopatching, etc.

Cloning capabilities

Cloning between handhelds or between handheld and PC provide quick and easy transfer of settings. An OPC-474 CLONING CABLE is required for transceiver-to-transceiver cloning and an OPC-478 CLONING CABLE plus the CS-T2 CLONING SOFTWARE is required for PC-to-transceiver cloning.

Other outstanding functions

- Guide function for quick reference to key functions
- LCD backlight with timer
- 40 memory channels available
- 2-step power saver function increase battery life
- Automatic repeater function (USA version only)
- Microphone simple remote control function (optional HM-75A required)
- Monitor function
- Lock function
- 10 weather channels (USA version only)
- ANI (Automatic Number Identification) function*

*Available for some versions only.

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SPECIFICATIONS

GENERAL

• Frequency coverage:

| Version | Transmit | Receive |
|------------------|-------------|--------------|
| USA | 144-148 MHz | 136-174 MHz* |
| Europe | 144-146 MHz | 144-146 MHz |
| Italy | 144-148 MHz | 136-174 MHz* |
| Asia, S. America | 144-148 MHz | 136-174 MHz* |

*Guaranteed range: 144-148 MHz

- Mode : FM
- No. of memory ch. : 43 (incl. 2 scan edges and 1 call)
- Frequency stability : ± 10 ppm (0°C to +50°C)
- Operating temperature range : -10°C to +60°C; +14°F to +140°F
- Power supply requirement: 9.6 V DC (supplied Ni-Cd cells) (negative ground)
- Current drain (at 9.6 V DC):
 - Tx at 6.0 W : 1.6 A (typical)
 - at 1.0 W : 0.7 A (typical)
 - Rx max. audio : 210 mA (typical)
 - standby : 80 mA (typical)
 - power saved : 25 mA (typical/1:4)
- Antenna connector : BNC (50 Ω)

- Dimensions : 58(W) \times 140.5(H) \times 32.3(D) mm; (proj. not incl.)
- Weight (approx.) : 420g; 14.8 oz (w/ant. and battery)

TRANSMITTER

- Output power : High 6.0 W (typical)
Low 1.0 W (typical)
- Modulation : Variable reactance frequency modulation
- Spurious emissions : Less than -60 dB
- Max. freq. deviation : ± 5.0 kHz
- Ext. mic. connector : 3-conductor 2.5 (d) mm (1/10")
/2 k Ω

RECEIVER

- Receiver system : Double conversion super-heterodyne
- Intermediate freq. : 1st 30.85 MHz
2nd 450 kHz
- Sensitivity : 0.14 μ V (typ.; for 12 dB SINAD)
- Squelch sensitivity : 0.16 μ V (typ.; threshold)

- Selectivity : More than 15 kHz/-9 dB
Less than 30 kHz/-60 dB
- Spurious and image rejection: 60 dB (typical)
(More than -45 dB: half image point, except 2nd image)
- Audio output power : 500 mW typical with an 8 Ω
(at 9.6 V DC) load
- Ext. SP connector : 3-conductor 3.5 (d) mm (1/8")
/8 Ω

The IC-T2H meets MIL-STD requirement and strict environmental standards for shock (MIL 810 C, D, E) and vibration (MIL 810 C, D, E).

Supplied accessories

- Battery case with Ni-Cd cells
 - Wall charger
 - Antenna
 - Belt clip
- *depending on version

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

OPTIONS

BATTERY PACKS AND CASE

BP-194
R6 (AA)
batteries-8*BP-195
9.6 V/700 mAhBP-196
9.6 V/1050 mAh

*Ni-Cd cells in BP-194 BATTERY CASE must be purchased separately. Approx output powers and operating times (Tx (high) : Rx Stand-by=1:1.8)

| BP-194 (w/Ni-Cd cells) | BP-195 | BP-196 |
|------------------------|-------------|-------------|
| 6.0 W/3.7 h | 6.0 W/3.7 h | 6.0 W/5.5 h |

LC-145 CARRYING CASE



Helps protect the transceiver from scratches, etc. Fits any battery pack.

HS-51 HEAD SET



Allows you hands-free operation. Includes VOX, PTT, "one-touch PTT" (TOT).

BC-119 DESKTOP CHARGER
+ AD-81 DESKTOP CHARGER
ADAPTER

Rapidly charges battery packs BP-195 or BP-196. Installed Ni-Cd cells cannot be charged via supplied BP-194 BATTERY CASE. Both AC (using an AC adapter) and DC can be used to power the charger. The AD-81 must be purchased separately.

SPEAKER-MICROPHONES



HM-46 : Compact and lightweight. Equipped with an earphone jack.
HM-54 : Durable, full-sized speaker-microphone.
HM-75A: Allows you to remotely select memory channels operating frequency, etc. Simple remote and normal remote are selectable.

CP-12/L CIGARETTE LIGHTER CABLE WITH NOISE FILTER
OPC-254/L DC POWER CABLE

Allows you to charge the connected battery pack (13.5 to 16 V DC required). For charging ONLY—the transceiver cannot be simultaneously operated.

SP-13 EARPHONE



Provides clear audio in noisy environments.

BC-110A/C/D/V WALL CHARGER
Standard wall charger. The same as supplied with some versions.
CS-T2 CLONING SOFTWARE
+ OPC-478 CLONING CABLE
Provides quick and easy programming of memory Ch., memory names and set mode contents, for local repeater freq., etc., via an IBM compatible PC.
OPC-474 CLONING CABLE
Used for data cloning between transceivers.
MB-68 BELT CLIP
Same as that supplied.
MB-74 BELT CLIP
Alligator type. Clips almost anything in a variety of convenient places.
BC-133 BATTERY CHARGER
Regularly charges a battery back with/without transceiver.

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 5B6, 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>

Asia Icom Inc.

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

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 Brindejoux des Moulinais
BP 5804, 31505 Toulouse Cedex, France
Phone : 561 36 03 03 Fax : 561 36 03 00
URL : <http://www.icom-france.com>



Certificate Number Q14190

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

Your local distributor/dealer: