



ICOM

144 MHz FM TRANSCEIVER

**IC-T2A** (U.S.A. version)

**IC-T2E** (Europe version)

### **Simple, capable, high performance**

*The IC-T2A and IC-T2E are simple-to-operate, single band handhelds. Innovative features such as cloning capability, customizable keys and a guide function are housed in a no-nonsense, solid body. Functions such as tone squelch and DTMF operation are standard. These transceivers are sure winners.*

#### **Tone squelch standard**

Tone squelch operation (encoder and decoder) provides quiet standby. In addition, the supplied system features the following useful functions.

**Pocket beep:** Provides a method of keeping track of calls even when you are away from the transceiver.

**Tone scan:** Allows you to detect subaudible tone frequencies, such as those used to open a repeater.

#### **Customizable keys**

Eight keys on the front panel are customizable—assign functions to these keys to suit your operating style. Functions can be assigned through cloning or manual keypad operation (a first for an amateur handheld transceiver).

#### **DTMF encoder with memory channels**

The IC-T2A/E has 5 DTMF memory channels, each capable of storing DTMF codes up to 32 digits long. A DTMF re-dial function is convenient for autopatching, etc. Enjoy quick and easy DTMF operation.

#### **Durable construction**

The front panel is made of rugged, polycarbonate while underneath lies a one-piece, die-cast aluminum chassis. A formidable combination that provides performance you can count on under demanding conditions.

#### **Cloning capability**

Transceiver-to-transceiver cloning is possible. With the optional OPC-474 CLONING CABLE you can easily transfer the entire contents of one IC-T2A/E to another. In addition, optional cloning software is available so that you can clone and edit contents with the convenience of a personal computer.

#### **And more...**

- 4.5 W of output power standard
- New guide function provides quick reference to key functions
- LCD backlight
- 2-step power save function
- Mic. simple remote control function (optional HM-75A is required)
- 40 memory channels available
- Monitor function
- Auto repeater function (U.S.A. version only)
- ANI function (some versions only)

**Icom Inc.**



## SPECIFICATIONS

## GENERAL

- Frequency coverage : (Unit: MHz)

	Transmit	Receive
U.S.A.	140.000-150.000*	136.000-174.000*
Europe	144.000-146.000	144.000-146.000
Asia, Italy	136.000-174.000*	136.000-174.000*

\*Guaranteed range: 144.000-148.000 MHz

- Mode : FM (F3, F2)

- Current drain (at 9.6 V DC) :

Tx	4.5 W	1.8 A max.
	1 W	1.0 A max.
Rx	Power saved	25 mA
	Standby	65 mA typ.
	Rated audio	150 mA typ.

- Frequency stability : ±10 ppm (0°C to +50°C)  
 • Usable temperature range : -10°C to +60°C  
 (+14°F to +140°F)  
 • Antenna connector : BNC (50 Ω)  
 • Number of memory channels : 43 (40 regular, 2 scan edges and 1 call)

- Acceptable power supply : 9.6 V DC (negative ground) (supplied Ni-Cd cells)  
 • Frequency resolution : 5 kHz and 12.5 kHz  
 • Dimensions (mm/in) : 58(W) × 140.5(H) × 32(D)  
 2<sup>1</sup>/<sub>16</sub>(W) × 5<sup>1</sup>/<sub>8</sub>(H) × 1<sup>1</sup>/<sub>16</sub>(D)  
 • Weight (w/ant. and battery) : 420 g (14.8 oz)

## TRANSMITTER

- Output power (at 9.6 V DC) : 4.5 W or 1 W (typical)  
 • Modulation system : Variable reactance frequency modulation  
 • Max. frequency deviation : ±5.0 kHz  
 • Spurious emissions : Less than -60 dB  
 • External mic connector : 3-conductor  
 2.5 (d) mm (1<sup>1</sup>/<sub>16</sub>")/2 kΩ

## RECEIVER

- Receive system : Double conversion superheterodyne  
 • Intermediate frequencies : 1st 30.85 MHz  
 2nd 450 kHz  
 • Sensitivity (for 12 dB SINAD) : 0.18 μV  
 • Squelch sensitivity : 0.18 μV (threshold)  
 • Selectivity : More than 15 kHz-6 dB  
 Less than 30 kHz-60 dB  
 60 dB (typical)  
 (Except 2nd and 1<sup>st</sup> image)  
 • Spurious and image rejection ratio : 350 mW (typical at 10% distortion with an 8 Ω load)  
 • Audio output power (at 9.6 V DC)  
 • External speaker connector : 3-conductor  
 3.5 (d) mm (1<sup>1</sup>/<sub>8</sub>")/8 Ω

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

## OPTIONS

## BATTERY PACKS AND CASE

## BP-194

R6 (AA)  
batteries × 8\*



## BP-195

9.6 V, 700 mAh



## BP-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 Standby × 1.1)

BP-194 (w/Ni-Cd cells)	BP-195	BP-196
4.5 W/3.5 h	4.5 W/3.5 h	4.5 W/5.5 h

## 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 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.

## LC-145 CARRYING CASE



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

## HS-51 HEADSET



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

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 18 V DC required). For charging ONLY—the transceiver cannot be simultaneously operated.

## SP-13 EARPHONE



Provides clear audio in noisy environments.

BC-110A/D/V WALL CHARGER  
Regularly charges battery packs. The same as supplied with some versions.

CS-T2 CLONING SOFTWARE + OPC-478 CLONING CABLE  
Provides quick and easy programming of items, including memory channels, memory names and set mode contents, for local repeater frequencies, etc., via an IBM compatible PC.

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

MB-68 BELT CLIP  
Attaches the transceiver to your belt. Same as supplied.

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Count on us!

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