



VHF FM TRANSCEIVER

# IC-2300H-T

## ***Tough & Built to Last*** ***Long Lasting Power and Icom Quality***

- ***60 Watts of RF Output Power with Heavy Duty Endurance***
- ***Powerful 4.5W Audio Output Provides Loud and Clear Audio***
- ***Tested to the Latest MIL-STD 810 G Specifications***



**60 Watts**



## Stable 60 W of output power

The IC-2300H-T can generate 60 W of output power. The rugged aluminum diecast provides effective heat dissipation and keeps RF output even during high duty cycle continuous transmission.

## A total of 207 memory channels

The IC-2300H-T has a total of 207 memory channels, including 200 regular channels, 6 scan edges and 1 call channel. The channel name is programmable with 6 characters for easy recognition.

## Built-in CTCSS and DTCS encoder/decoder

The CTCSS and DTCS tones are built-in for quiet stand-by and repeater access. The tone scan function detects the subaudible tone that is used for repeater access. The pocket beep function gives you an audible and visual indicator of an incoming call. The DTCS encoder function (DTCS transmit only) is also available.

## Simple operation

The IC-2300H-T retains the basic panel layout and its user interface from the IC-2200-T. A 70.6x20 mm LCD display offers a good viewing angle suitable for mobile operation. The bottom of the display indicates the available functions of the front panel buttons directly below the display.

## Multiple scan functions

The IC-2300H-T supports various scan types for maximum reception and ease of use. The DMS (Dynamic Memory Scan) system allows you to scan selected banks from 10 memory banks by simply adding and deleting bank links.

## Tested to the MIL-STD 810 G specifications

The IC-2300H-T is built tough to protect from a rough road. It has been tested to and has passed the latest MIL-STD 810 G specifications including shock, vibration and temperature tests.

## And more...

- Power supply voltage display
- 4.5 W loud audio
- DTMF autodial
- Automatic power off
- Selectable LCD backlight color (amber, yellow and green)
- Selectable squelch delay from short and long
- Squelch attenuator reduces suppression from strong signals
- PC to transceiver and transceiver to transceiver cloning capability (optional cloning software, CS-2300H-T and/or cloning cable required)
- Reduced depth dimensions
- Time-out timer
- Repeater lockout
- S-meter squelch

## SPECIFICATIONS

GENERAL	
Frequency coverage	TX: 144–147 MHz
Number of channels	207 channels (including 6 scan edges, and 1 call)
Type of emission	F2D, F3E (FM)
Frequency stability	±3 ppm
Power supply requirement	13.8 V DC ±15%
Current drain (approx.)	
Tx 60 W	11 A
Rx Max. audio/Stand-by	1.5 A/0.4 A
Antenna impedance	50 Ω (SO-239)
Operating temperature range	–10°C to +60°C; 14°F to +140°F
Dimensions (W × H × D; Projections not included)	140 × 40 × 162 mm; 5.5 × 1.6 × 6.4 in
Weight (approx.)	1.1 kg; 2.4 lb

All stated specifications are subject to change without notice or obligation

TRANSMITTER	
Output power (at 13.8 V DC)	60 W, 25 W, 10 W, 5 W
Max. frequency deviation	±2.5 kHz
Frequency error	±1.0 ppm
Adjacent channel power	60 dB
Spurious emissions	Less than –70 dBc
Microphone impedance	600Ω (8-pin modular)
RECEIVER	
Intermediate frequencies	46.35 MHz/450 kHz
Sensitivity (at 12 dB SINAD)	Less than 0.18 μV
Selectivity Narrow	More than 3 kHz (at 6 dB) Less than 9 kHz (at 55 dB)
Adjacent channel selectivity	60 dB
Spurious response rejections	More than –70 dB
Audio output power	4.5W (10% DIST. 4 Ω load)
External speaker connector	2-conductor 3.5 (d) mm (1/8")/4Ω

## Applicable U.S. Military Specifications

Standard	MIL 810G	
	Method	Procedure
Low Pressure	500.5	I, II
High Temperature	501.5	I, II
Low Temperature	502.5	I, II
Temperature Shock	503.5	I-C
Solar Radiation	505.5	I
Vibration	514.6	I
Shock	516.6	I, IV

Also meets equivalent MIL-STD-810-C, -D -E and -F.

## Supplied Accessories (\* Depending on version)

- Remote control Mic, HM-133V
- Mounting bracket kit
- Microphone hanger\*
- DC power cable
- Spare fuses

## OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.

**HAND MICROPHONES**



HM-133V HM-154

**MIC EXTENSION CABLE (5 m)**



OPC-440A

**MICROPHONE ADAPTER CABLE (8-pin Microphone)**



OPC-589

**EXTERNAL SPEAKERS**



SP-10

- **CS-2300H-T CLONING SOFTWARE + OPC-478/OPC-478UC CLONING CABLES**  
OPC-478: RS-232C cable;  
OPC-478UC: USB cable
- **OPC-474 CLONING CABLE**  
For transceiver to transceiver cloning.
- **OPC-1132A, OPC-347 DC POWER CABLES**  
OPC-1132A: 3.0 m; OPC-347: 7.0 m

Icom, Icom Inc. and the Icom logo are registered trademarks of Icom Incorporated (Japan) in Japan, the United States, the United Kingdom, Germany, France, Spain, Russia, Australia, New Zealand and/or other countries.

**Icom Inc.** 1-1-32, Kamiminami, Hirano-Ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

[www.icom.co.jp/world](http://www.icom.co.jp/world)

**Count on us!**

### Icom America Inc.

12421 Willows Road NE,  
Kirkland, WA 98034, U.S.A.  
Phone: +1 (425) 454-8155  
Fax: +1 (425) 454-1509  
E-mail: [sales@icomamerica.com](mailto:sales@icomamerica.com)  
URL: <http://www.icomamerica.com>

### Icom Canada

Glenwood Centre #150-6165  
Highway 17A, Delta, B.C.,  
V4K 5B8, Canada  
Phone: +1 (604) 952-4266  
Fax: +1 (604) 952-0090  
E-mail: [info@icomcanada.com](mailto:info@icomcanada.com)  
URL: <http://www.icomcanada.com>

### Icom Brazil

Rua Itororó, 444 Padre Eustáquio  
Belo Horizonte MG,  
CEP: 30720-450, Brazil  
Phone: +55 (31) 3582 8847  
Fax: +55 (31) 3582 8987  
E-mail: [sales@icombrasil.com](mailto:sales@icombrasil.com)

### Icom (Europe) GmbH

Communication Equipment  
Auf der Krautweide 24  
65812 Bad Soden am Taunus, Germany  
Phone: +49 (6196) 76685-0  
Fax: +49 (6196) 76685-50  
E-mail: [info@icom-europe.com](mailto:info@icom-europe.com)  
URL: <http://www.icomeurope.com>

### Icom Spain S.L.

Ctra. Rubi, No. 88 "Edificio Can Castanyer"  
Bajos A 08174, Sant Cugat del Valles,  
Barcelona, Spain  
Phone: +34 (93) 590 26 70  
Fax: +34 (93) 589 04 46  
E-mail: [icom@icomspain.com](mailto:icom@icomspain.com)  
URL: <http://www.icomspain.com>

### Icom (UK) Ltd.

Blacksole House, Altira Park,  
Herne Bay, Kent, CT6 6GZ, U.K.  
Phone: +44 (0) 1227 741741  
Fax: +44 (0) 1227 741742  
E-mail: [info@icomuk.co.uk](mailto:info@icomuk.co.uk)  
URL: <http://www.icomuk.co.uk>

### Icom France s.a.s.

Zac de la Plaine,  
1 Rue Brindejone des Moulains, BP 45804,  
31505 Toulouse Cedex 5, France  
Phone: +33 (5) 61 36 03 03  
Fax: +33 (5) 61 36 03 00  
E-mail: [icom@icom-france.com](mailto:icom@icom-france.com)  
URL: <http://www.icom-france.com>

### Icom (Australia) Pty. Ltd.

Unit 1 / 103 Garden Road,  
Clayton, VIC 3168 Australia  
Phone: +61 (03) 9549 7500  
Fax: +61 (03) 9549 7505  
E-mail: [sales@icom.net.au](mailto:sales@icom.net.au)  
URL: <http://www.icom.net.au>

### Shanghai Icom Ltd.

No.101, Building 9, Caifuxingyuan Park,  
No.188 Maoting Road, Chedun Town,  
Songjiang District, Shanghai, 201611, China  
Phone: +86 (021) 6153 2768  
Fax: +86 (021) 5765 9987  
E-mail: [bjicom@bjicom.com](mailto:bjicom@bjicom.com)  
URL: <http://www.bjicom.com>

Your local distributor/dealer:

บริษัท ซี.ซี.เอ็ม.เอ.อี จำกัด

14/48-49 อาคารโครงการคาสเคด บางนา  
หมู่ที่ 15 ตำบลบางแก้ว อำเภอบางพลี  
จังหวัดสมุทรปราการ 10540

โทร. 02 090 2920-22 , 0816439181

แฟกซ์. 02 090 2922

Email : [info@gsimon.com](mailto:info@gsimon.com)