



144MHz FM TRANSCEIVER

IC-2300H

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

- ***65 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***



65 Watts



Stable 65W of output power*

The IC-2300H can generate 65W 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 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 retains the basic panel layout and its user interface from the IC-2200H. A 70.6×20 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 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 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
- Wide/narrow channel setting
- 4.5W (typical) loud audio
- Reduced depth dimensions
- DTMF autodial
- Time-out timer
- Repeater lockout
- Automatic power off
- S-meter squelch
- Selectable LCD backlight color (amber, yellow and green)
- Weather channel receive and alert function (USA version only)
- Automatic repeater function (USA version only)
- 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 and/or cloning cable required)

SPECIFICATIONS

GENERAL	
Frequency coverage USA version	TX: 144–148MHz, RX: 136–174MHz*
EXP version KOR, TPE versions	TX/RX: 136–174MHz*
* Guaranteed range	TX/RX: 144–146MHz TX/RX: 144–148MHz
Number of channels	207 channels (including 6 scan edges, and 1 call)
Type of emission	F2D, F3E (FM)
Frequency stability	±3ppm
Power supply requirement	13.8V DC ±15%
Current drain (approx.)	
Tx 65W	11A
Rx Max. audio/Stand-by	1.5A/0.4A
Antenna impedance	50Ω (SO-239)
Operating temperature range	–10°C to +60°C; 14°F to +140°F
Dimensions (W×H×D)	140×40×162 mm;
Projections not included	5.51×1.57×6.38 in
Weight (approx.)	1.1 kg; 2.43lb

TRANSMITTER	
Output power* (at 13.8V DC)	65W, 25W, 10W, 5W
KOR version	50W, 25W, 10W, 5W
TPE version	24W, 10W, 5W
Max. frequency deviation	±5.0kHz/±2.5kHz (W/N)
Spurious emissions	Less than –60dBc
Microphone impedance	600Ω (8-pin modular)
RECEIVER	
Intermediate frequencies	46.35MHz/450kHz
Sensitivity (at 12dB SINAD)	Less than 0.18μV
Selectivity Wide	More than 6kHz (at 6dB) Less than 14kHz (at 60dB)
Narrow	More than 3kHz (at 6dB) Less than 9kHz (at 55dB)
Spurious response rejection	More than 60dB
Audio output power	4.5W typ. (10% dist. 4Ω load)
External speaker connector	2-conductor 3.5 (d) mm (1/8")/42

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

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.

* Output power differs depending on version and specific regulatory requirements.

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.



- **CS-2300H 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: 3.0m; OPC-347: 7.0m

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Icom Inc.

1-1-32, Kami-minami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

www.icom.co.jp/world

Count on us!**Icom America Inc.**

2380 116th Avenue NE,
Bellevue, WA 98004, U.S.A.
Phone: +1 (425) 454-8155
Fax: +1 (425) 454-1509
E-mail: sales@icomamerica.com
URL: <http://www.icomamerica.com>

Icom New Zealand

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

Icom (UK) Ltd.

Blacksale 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
URL: <http://www.icomuk.co.uk>

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
E-mail: sales@asia-icom.com
URL: <http://www.asia-icom.com>

Icom Canada

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

Icom France s.a.s.

Zac de la Plaine,
1 Rue Brindejone des Moulins, 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
URL: <http://www.icom-france.com>

Beijing Icom Ltd.

10C07 Long Silver Mansion, No.88,
Yong Ding Road, Haidian District,
Beijing, 100039, China
Phone: +86 (010) 5889 5391/5392/5393
Fax: +86 (010) 5889 5395
E-mail: bjicom@bjicom.com
URL: <http://www.bjicom.com>

Your local distributor/dealer:

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
URL: <http://www.icom.net.au>

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
URL: <http://www.icomspain.com>

Icom Polska

81-850 Sopot, ul. 3 Maja 54, Poland
Phone: +48 (58) 550 7135
Fax: +48 (58) 551 0484
E-mail: icompolksa@icompolksa.com.pl
URL: <http://www.icompolksa.com.pl>