



144MHz FM TRANSCEIVER

IC-2200H

SELECTABLE GREEN OR AMBER DISPLAY



Stable 65W* output and new digital features

65W* of output power

A MOS-FET power amplifier provides 65W* of stable output power. A one piece, aluminum chassis helps to keep the transceiver cool and provides durable long-lasting construction. (* Depending on version.)

Optional digital unit, UT-115

The optional UT-115 provides digitally modulated and demodulated clear voice and data communication at 4.8kbps. Store up to 6 of your own callsigns, and up to 6 more from other stations. Or instead of recording a callsign, record any message of up to 20 characters. You may then make a call by sending one of your callsigns or a recorded CQ message. The digital callsign squelch allows you to choose an incoming call selected by the callsign. When connected to an external GPS receiver*, position information may be exchanged with other stations. (* NMEA 0183 output and RS-232C interface are required.)

Simple operation

The IC-2200H retains a familiar user interface to the IC-2100H. The large tuning dial provides easy access to active channels even without looking at the front panel. Secondary functions are easily recalled by holding the appropriate button.

Dynamic Memory Scan (DMS)

With a total of 207 alphanumeric memory channels, Icom's exclusive DMS system allows you to scan selected memory banks by simply adding and deleting bank links.

CTCSS and DTCS operation standard

The IC-2200H contains 50 CTCSS and 104x2 DTCS encode/decode plus tone scan functions. The "pocket beep" feature gives you an audible and visual indicator of an incoming call.

And more...

- 24 DTMF autodial memories
- DTMF code squelch and pager function with optional DTMF decoder, UT-108
- Weather channel with weather alert function (U.S.A. version only)
- FM narrow mode switchable (Depending on version)
- Selectable squelch delay
- Built-in 10dB squelch attenuator



HM-133V

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency range (Unit: MHz) :

Version	Transmit range	Receiver range
U.S.A.	144-148	118-174*1
Europe	144-146	118-174*2
Europe-1	144-146	144-146
Taiwan	144-146	144-146
Korea	144-146	144-146
Export	136-174*1	118-174*1

*1 Guaranteed range 144-148MHz

*2 Guaranteed range 144-146MHz

- Mode : FM, AM (Rx only)
- No. of memory channels : 207 (including 6 scan edges, and 1 call channel)
- Operating Temp. range : -10°C to +60°C;
+14°F to +140°F
- Frequency stability : ±10ppm (-10°C to +60°C)
- Power supply requirements: 13.8V DC ±15%
- Current drain (at 13.8V DC) :

Tx	High (65W)	15A
Rx	Max. audio	1.0A
	Standby	0.8A
- Antenna impedance : 50Ω (SO-239)
- Dimensions (W×H×D) : 140×40×146mm ;
(proj. not included) 5½×1½×5¼in
- Weight (approx.) : 1.25kg; 2.75lb

TRANSMITTER

- Output power (* approx.) : 65, 25*, 10*, 5*W selectable
Korea version 50, 25*, 10*, 5*W selectable
Taiwan version 24, 10*, 5*W selectable
- Maximum frequency deviation (wide/narrow) : ±5.0/±2.5kHz
- Spurious emissions : -70dBc typical.
- Microphone connector : 8-pin modular (600Ω)

Supplied accessories

- Remote control microphone, HM-133V
- Microphone hanger* (* Depending on version)
- Mobile mounting bracket kit
- DC power cable, OPC-1132
- Spare fuse

RECEIVER

- Receive system : Double-conversion superheterodyne
- Intermediate frequencies: 1st 21.7MHz
2nd 450kHz
- Sensitivity (at 12dB SINAD): 0.133μV typical
- Squelch sensitivity : 0.100μV typical (threshold)
- Selectivity :

Wide	More than 6kHz at -6dB Less than 14kHz at -60dB
Narrow	More than 3kHz at -6dB Less than 9kHz at -55dB
- Spurious and image rejection: More than 60dB
- Audio output power : More than 2.4W at 10%
(at 13.8V DC) distortion with an 8Ω load
- External speaker connector: 3-conductor 3.5 (d) mm (½"/8Ω)

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

OPTIONS

■ MICROPHONE ACCESSORIES

- **HM-133V REMOTE CONTROL MICROPHONE**
Remote control microphone with keypad backlighting. Same as supplied.
- **HM-118N HAND MICROPHONE**
- **HM-118TN/TAN DTMF MICROPHONE**
DTMF microphone with keypad backlighting.
- **OPC-440/OPC-647 MIC EXTENSION CABLES**
OPC-440: 5m (16.4ft); OPC-647: 2.5m (8.2ft)
- **OPC-589 MIC ADAPTER CABLE**
Allows you to connect a regular 8-pin microphone.

■ EXTERNAL SPEAKER

- **SP-10 EXTERNAL SPEAKER**
- **OPC-441 SPEAKER EXTENSION CABLE: 5.0m (16.4ft)**

■ INTERNAL UNITS

- **UT-108 DTMF DECODER UNIT**
Provides DTMF decode capability with code squelch and pager operation.
- **UT-115 DIGITAL UNIT**
Provides digital voice and data capability at 4.8kbps (Voice 2.4kbps + Data 2.4kbps).

■ OTHER ACCESSORIES

- **OPC-1132/OPC-347 DC POWER CABLES**
OPC-1132: 3m (9.8ft); OPC-347: 7m (22.9ft)
- **MB-17A MOBILE MOUNTING BRACKET**
One-touch mounting bracket.

■ CLONING CABLES AND SOFTWARE

- **CS-2200H CLONING SOFTWARE**
+ **OPC-478/OPC-478U CLONING CABLES**
For quick and easy programming of memories, etc.
- **OPC-474 CLONING CABLE** (between transceivers)

HM-133V



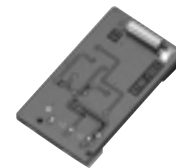
HM-118N

HM-118TN
HM-118TAN

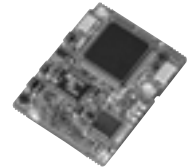
SP-10



UT-108



UT-115



Icom Inc. 1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (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: +1 (425) 454-8155 Fax: +1 (425) 454-1509
URL : <http://www.icomamerica.com>
<Customer Service> Phone : +1 (425) 454-7619

Icom Canada

Glenwood Centre #150-6165 Highway 17,
Delta, B.C., V4K 5B8, Canada
Phone: +1 (604) 952-4266 Fax: +1 (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: +61 (03) 9387 0666 Fax: +61 (03) 9387 0022
URL : <http://www.icom.net.au>

Icom New Zealand

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

Icom (Europe) GmbH

Communication Equipment
Himmelgeister Str. 100, D-40225 Düsseldorf, Germany
Phone: +49 (0211) 346047 Fax: +49 (0211) 333639
URL : <http://www.icomeurope.com>

Icom Spain S.L.

Crta. de Gracia a Manresa Km. 14,750
08190 Sant Cugat del Valles Barcelona, Spain
Phone: +34 (93) 590 26 70 Fax: +34 (93) 589 04 46
URL : <http://www.icomspain.com>

Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay, Kent, CT6 8LD, U.K.
Phone: +44 (01227) 741741 Fax: +44 (01227) 741742
URL : <http://www.icomuk.co.uk>

Icom France S.a

Zac de la Plaine, 1, Rue Brindejonc des Moulinais
BP 5804, 31505 Toulouse Cedex, France
Phone: +33 (5) 61 36 03 03 Fax: +33 (5) 61 36 03 00
URL : <http://www.icom-france.com>

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
URL : <http://www.asia-icom.com>

Beijing Icom Ltd.

1305, Wanshang Plaza, Shijingshan Road, Beijing, China
Phone: +86 (010) 6866 6337 Fax: +86 (010) 6866 3553
URL : <http://www.bjicom.com>



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Icom Inc. (Japan), is an ISO 9001 and ISO 14001 certification acquired company.

Your local distributor/dealer: