



144MHz FM TRANSCEIVER

IC-2100H



SELECTABLE GREEN OR AMBER DISPLAY



Get easy viewing in any lighting condition, or just give your car a great customized instrumentation look.

Durable 2 m rig with superior RX IMD, performance.



Superior performance and features

Improved receiver IMD helps provide protection from excessively strong signals such as pager signals. And the squelch attenuator (approx. 10dB) allows you to reduce interference from strong nearby signals—a winning combination for receiver performance.

55W* of output power

Be heard! 55W of transmit power pushes your DX'ing capabilities out further. Power down to 10W or 5W as needed—the IC-2100H gives you 3 power selections to choose from.

*50W, 10W and 5W are available for some versions.

Easy to use

The oversized tuning dial is easy to grab while on the move and the large backlit display clearly provides key information at a glance. Memory channels can be assigned names for easy recognition and keys access functions directly—no secondary function key.

Commercial grade, rugged construction

Land mobile durability! A one piece, die-cast aluminum chassis helps keep operating temperatures down and provides reliable operation even at high duty cycles.

Tone squelch standard

The built-in tone squelch system provides 50 independently programmable tone frequencies for both repeater and tone squelch use. Pocket beep and tone scan functions are additionally provided.

And more...

- FM narrow mode switchable (Europe and Italy versions only)
- PC ready—all memory channel and set mode contents can be programmed via a PC or another IC-2100H quickly and easily
- Backlit microphones optionally available*

*Standard with some versions.

- The HM-133S provides remote control capability with keypad backlighting and 16-digit DTMF codes
- Total of 113 memory channels
- Selectable squelch delay



HM-118TN/TAN

HM-133S

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency range (MHz) and supplied microphones:

Version	Receive	Transmit	Supplied mic.
USA	136-174*	144-148	HM-133S or HM-118TN
Europe	144-146	144-146	HM-97 or HM-133S
Italy	136-174*	144-148	HM-97 or HM-133S
Asia	136-174*	144-148	HM-118N
Latin America	136-174*	144-148	HM-133S or HM-118TN
IC-2100-T (Thailand)	144-146	144-146	HM-133S or HM-118TN
Taiwan	144-146	144-146	HM-133S

*Guaranteed 144-148MHz only.

- Mode : FM
- No. of memory channels : 113 (incl. 3 pairs of scan edges, 3 log, 3 repeater and 1 call Ch.)
- Usable temperature 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%
(negative ground)
- Current drain (at 13.5V) : Rx standby 0.8A
max. audio 1.0A
Tx at 55W 12.0A
- Antenna connector : SO-239 (50Ω)
- Dimensions (W×H×D) : 140 × 40 × 180 mm
(proj. not included) 5½ × 1½ × 7½ in
- Weight (approx.) : 1.2kg; 2lb 10oz

TRANSMITTER

- Output power : 55, 10, 5 W selectable*
*25, 10 and 5 W selectable for the Taiwan version,
50, 10 and 5 W selectable for some versions
- Maximum frequency deviation : ±5.0/±2.5* kHz
*Europe and Italy versions only
- Spurious emissions : Less than -60 dB
- Microphone connector : 8-pin modular (600 Ω)

RECEIVER

- Receive system : Double-conversion superheterodyne
- Intermediate frequencies : 1st 15.65MHz
2nd 450kHz
- Sensitivity (at 12dB SINAD) : Less than 0.18μV
- Selectivity (wide/narrow) : More than 12/6* kHz at -6dB
Less than 28/18* kHz at -60dB
*Europe and Italy versions only
- Spurious & image rejection : More than 60dB
- Intermodulation rejection : More than 70dB
- Audio output power : More than 2.4W at 10%
distortion with an 8Ω load
- Ext. speaker connector : 3-conductor 3.5 (d) mm
(1/8")/8Ω

Applicable U.S. Military Specifications

Icom makes rugged products that meet MIL-STD requirements and strict environmental standards as follows.

Standard	MIL 810C		MIL 810D		MIL 810E	
	Method	Proc.	Method	Proc.	Method	Proc.
Low Pressure	500.1	I	500.2	I, II	500.3	I, II
High Temp.	501.1	I	501.2	I, II	501.3	I, II
Low Temp.	502.1	I	502.2	I, II	502.3	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I
Solar Radiation	505.1	I	505.2	I	505.3	I
Rain	506.1	I, II	506.2	I, II	506.3	I, II
Humidity	507.1	I, II	507.2	II, III	507.3	II, III
Salt Fog	509.1	I	509.2	I	509.3	I
Dust	510.1	I	510.2	I	510.3	I
Vibration	514.2	VIII, X	514.3	I	514.4	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV

Supplied accessories

- Hand microphone
- Spare fuse
- DC power cable
- Mobile mounting bracket kit

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

OPTIONS

■ HAND MICROPHONES

- **HM-97**
Have a tone call function.
- **HM-118N**
Regular hand microphone.
- **HM-118TN/TAN**
DTMF microphones with keypad backlighting.
- **HM-133S**
Remote control microphone with keypad backlighting.

■ EXTENSION CABLES

- **OPC-1132/OPC-347** DC POWER CABLES
OPC-1132: 3.0m (9.8ft); OPC-347: 7.0m (23ft)
- **OPC-440/OPC-647** MIC EXTENSION CABLES
OPC-440: 5.0m (16.4ft); OPC-647: 2.5m (8.2ft)
- **OPC-441** SPEAKER EXTENSION CABLE
5.0m (16.4ft)
- **OPC-589** ADAPTER CABLE
Allows you to connect a 8-pin microphone.

■ OTHER ACCESSORIES

- **CS-2100** CLONING SOFTWARE
+ **OPC-478** CLONING CABLE
For quick and easy programming of memories, etc.
- **OPC-474** CLONING CABLE (between transceivers)
- **MB-17A** MOBILE MOUNTING BRACKET
- **SP-10** EXTERNAL SPEAKER



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 5B8, 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>

Icom New Zealand

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

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, 1, Rue Brindejonc des Moulins
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: (02) 2559 1899 Fax: (02) 2559 1874
URL : <http://www.asia-icom.com>

Beijing Icom Ltd.

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



Certificate Number Q14190

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

Your local distributor/dealer: