



144 MHz 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. 10 dB) allows you to reduce interference from strong nearby signals—a winning combination for receiver performance.

55 W* of output power

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

*10 W and 5 W only are available for the IC-2100-T.

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

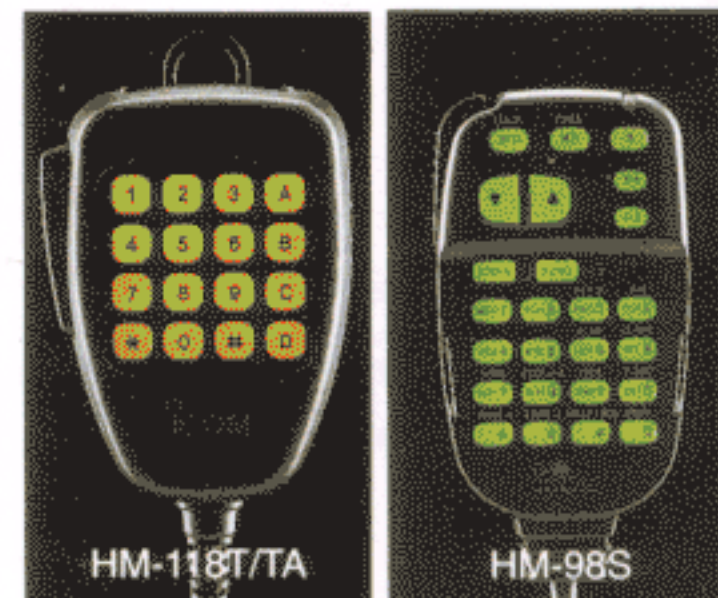
The built-in tone squelch system provides 50 independently programmable tone frequencies for both repeater and tone squelch use. Pocket beep and tone scan functions are additionally provided.

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.

- Optional HM-90 provides wireless remote capability
- 14 channels for 16-digit DTMF codes (w/HM-98S or HM-90)
- Total of 113 memory channels
- Selectable squelch delay



Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency range (MHz) and supplied microphones:

Version	Receive	Transmit	Supplied mic.
USA	136-174*	144-148	HM-98S
Europe	144-146	144-146	HM-97
Italy	136-174*	144-148	HM-97
Asia	136-174*	144-148	HM-118
Latin America	136-174*	144-148	HM-118T
IC-2100-T (Thailand)	144-146	144-146	HM-118T

*Guaranteed 144-148 MHz only.

- Mode : FM
- No. of memory channels : 113 (incl. 3 pairs of scan edges, 3 log, 3 repeater and 1 call channel)
- Usable temperature range : -10°C to +60°C; +14°F to +140°F
- Frequency resolution : 5, 10, 12.5, 15, 20, 25, 30 and 50 kHz
- Frequency stability : ±10 ppm (-10°C to +60°C)
- Power supply requirements : 13.8 V DC ±15% (negative ground)
- Current drain (at 13.8 V DC) : Receive standby 0.8 A
max. audio 1.0 A
Transmit at 55 W 12.0 A
- Antenna connector : SO-239 (50 Ω)
- Dimensions (proj. not included) : 140(W) × 40(H) × 180(D) mm
5½(W) × 1½(H) × 7½(D) in
- Weight (approx.) : 1.2 kg; 2 lb 10 oz

TRANSMITTER

- Output power : 55 W, 10 W, 5 W selectable*
*10 and 5 W only for the IC-2100-T.
- Modulation system : Variable reactance frequency
- 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 15.65 MHz 2nd 450 kHz
- Sensitivity (at 12 dB SINAD) : Less than 0.18 μV
- Squelch sensitivity (threshold) : Less than 0.13 μV
- Selectivity (wide/narrow) : More than 12/6* kHz at -6 dB
Europe and Italy versions only Less than 28/18 kHz at -60 dB
- Spurious and image rejection : More than 60 dB
- Intermodulation rejection ratio : More than 70 dB
- Audio output power (at 13.8 V DC) : More than 2.4 W at 10% distortion with an 8 Ω load
- Ext. speaker connector : 3-conductor 3.5 (d) mm (1/8")/8 Ω

Supplied accessories

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

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

OPTIONS

■ HAND MICROPHONES

- HM-118**
Regular hand microphone.
- HM-118T/TA**
DTMF microphones with keypad backlighting.
- HM-79, HM-97**
Have a tone call function.
- HM-98S**
Remote control microphone with keypad backlighting.

■ WIRELESS REMOTE ACCESSORIES

- HM-90** WIRELESS MICROPHONE
Infrared, full remote control microphone.
- EX-1759** INFRARED RECEIVER
Used to receive control signals from the HM-90.
- EX-1513** INFRARED SUB RECEIVER
Extends the remote controllable area.
- BC-96** MICROPHONE HOLDER
Holds the HM-90 in a convenient place and supplies power to the charging circuit of the HM-90.
- CP-13L** CIGARETTE LIGHTER CABLE WITH NOISE FILTER
OPC-288/L DC POWER CABLE
Supply power to the BC-96 for charging the Ni-Cd batteries inside the HM-90.

■ OTHER ACCESSORIES

- CS-2100** CLONING SOFTWARE
+ **OPC-478** CLONING CABLE
For quick and easy programming of memories, etc.
- HS-62** FLEXIBLE MOBILE MICROPHONE
+ **HS-15B** SWITCH BOX
+ **OPC-589** ADAPTER CABLE
For all-around mobile operation.
- SP-10/SP-12** EXTERNAL SPEAKERS
- OPC-440/OPC-647** MIC EXTENSION CABLES
OPC-440: 5.0 m (16.4 ft); OPC-647: 2.5 m (8.2 ft)
- OPC-441** SPEAKER EXTENSION CABLE
- OPC-346/OPC-347** DC POWER CABLES
- MB-17A** MOBILE MOUNTING BRACKET
- OPC-474** CLONING CABLE (between transceivers)



HM-118



HM-118T/TA



HM-98S



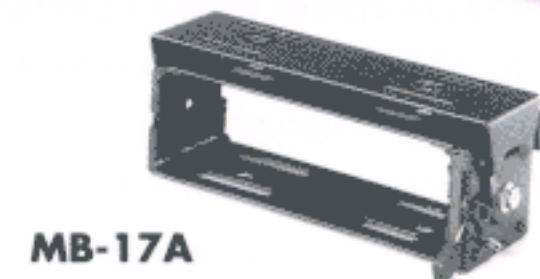
HM-97



SP-12



SP-10



MB-17A

Icom Inc. 6-9-16, Kamihigashi, Hirano-ku, Osaka 547-0002, Japan Phone: 06 793 5302 Fax: 06 793 0013

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
Telex: 152210 ICOM AMER BVUE

<Customer Service>
Phone: (425) 454-7619

Icom Canada

A Division of Icom America Inc.
3071 #5 Road, Unit 9, Richmond, B.C., V6X 2T4, Canada
Phone: (604) 273-7400 Fax: (604) 273-1900

Icom (Australia) Pty. Ltd.

A.C.N. 006 092 575
290-294 Albert Street, Brunswick, Victoria, 3056, Australia
Phone: 03 9387 0666 Fax: 03 9387 0022

Icom (Europe) GmbH

Communication Equipment
Himmelgeister Str. 100, D-40225 Düsseldorf, Germany
Phone: 0211 346047 Fax: 0211 333639

Icom Telecomunicaciones s.l.

"Edificio Can Castanyer" Crta. Gracia a Manresa km. 14,750
08190 Sant Cugat Del Valles Barcelona, SPAIN
Phone: (3) 589 46 82 Fax: (3) 589 04 46

Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay, Kent, CT6 8LD, U.K.
Phone: 01227 741741 Fax: 01227 741742
Telex: 317210 BUREAU G

Icom France S.a

Zac de la Plaine, Rue Brindejonc des Moulinais
BP 5804, 31505 Toulouse Cedex, France
Phone: 561 36 03 03 Fax: 561 36 03 00
Telex: 521515 ICOM FRA

Your local distributor/dealer: