

ICOM

144 MHz FM TRANSCEIVER

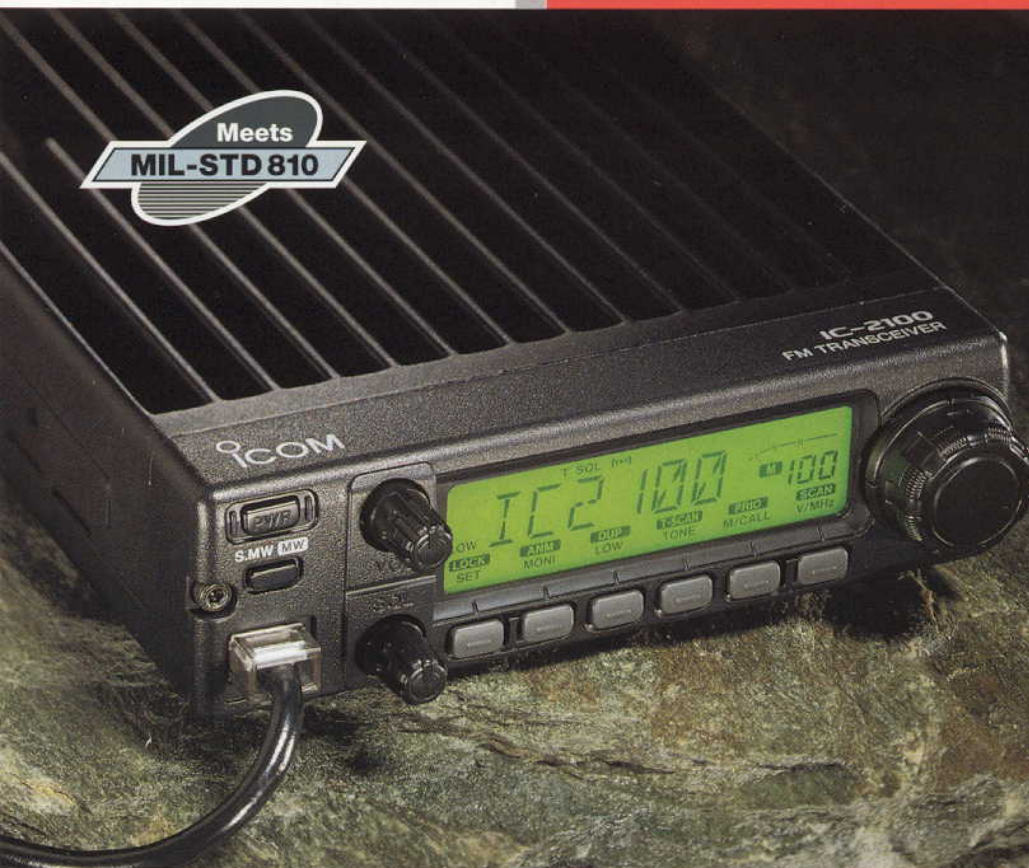
# IC-2100H

Meets  
MIL-STD 810

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

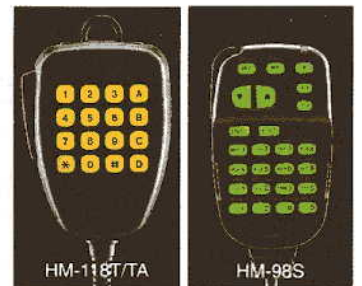
The built-in tone squelch system provides 50 independently programmable tone frequencies for both repeater and tone squelch use. Pocket beep and tone scan functions are additionally provided.

### 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
Taiwan	144-146	144-146	HM-98S

\*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 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\*\*  
\*25, 10 and 5 W for the Taiwan version.  
\*\*10 and 5 W only for the IC-2100-T.
- 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
- 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

The IC-2100H meet MIL-STD requirement and strict environmental standard for shock (MIL810C, D, E) and vibration (MIL810C, D, E).

- 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-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.
- **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)**



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Certificate Number Q14190

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