



VHF/UHF FM TRANSCEIVER

IC-208H

*High Power Dual Bander
with Wideband Receiver*

55^{VHF}W
POWERFUL
OUTPUT
50^{UHF}W



Powerful 55W/50W output power

Individual MOS-FET power amplifier modules supply the power for Icom's most powerful dual band mobile with 55W/50W (VHF/UHF). Stable power for long distance communications plus reduced power settings (15/5W) for local communications.

Wideband receiver

See why Icom has a world renowned reputation for superb wideband receivers with the IC-208H. The IC-208H wideband receiver covers 118–173, 230–549 and 810–999MHz* as standard. Listen to your Amateur VHF/UHF bands, as well as aviation, marine, weather and other utility communications in a compact mobile package. Extends your mobile radio enjoyment! * Excluding Cellular range.

Detachable front panel

Limited installation space is no problem with the IC-208H. The separation cable, OPC-600/R, is supplied with the radio allowing the compact remote control head* to be installed almost anywhere.

* 111 (W) × 40 (H) × 26.3 (D) mm; 4³/₈ × 1¹/₁₆ × 1¹/₃₂ in.

500 alphanumeric memory channels

With this much memory, you can fill your IC-208H with your favorite frequencies and operation settings such as output power, tone, and more! Then name each memory channel with up to 6 characters for quick channel identification.

Improved Dynamic Memory Scan (DMS) system

The improved DMS system allows you to scan all the selected banks you want to scan by simply adding/deleting bank links with Icom's exclusive Bank Link system. Yet another convenient feature to make the IC-208H more practical radio.

User friendly design

The large multi-function tuning knob provides intuitive channel tuning or band hopping. The multicolor display lighting and backlit buttons adds a new 'fun' dimension to operating the IC-208H.

HM-133, remote control microphone

The supplied HM-133 remote control microphone allows you to control almost every function of the IC-208H from the mic.

And more...

- Built-in CTCSS and DTCS tone squelch
 - Pocket beep and tone scan
 - Selectable squelch delay
 - FM narrow capability
 - RF attenuator linked to the squelch control
 - 16 DTMF memory channels (24 digits per channel)
 - 9600bps data connector (mini DIN 6-pin)
 - Auto repeater function*
 - Weather channel with weather alert*
- (*U.S.A. version only)



Icom Inc.

SPECIFICATIONS

GENERAL

Version	Guaranteed range	Tx working range	Rx working range
U.S.A.	144-148, 440-450	144-148, 420-450	118-173.995, 230-549.995, 810-999.990* (* Cellular blocked)
General	144-148, 430-440	136-173.995, 400-478.995	118-173.995, 230-549.995, 810-999.990

• Frequency coverage : (Unit: MHz)

• Mode : FM, FM-N, AM*, AM-N* *RX only; not guaranteed

• Number of memory channels : 512 (Including 2 call and 10 scan edges)

• Antenna impedance : 50Ω (SO-239)

• Power supply requirement : 13.8V DC ±15%

• Usable temperature range : -10°C to +60°C; +14°F to +140°F

• Frequency stability : ±10ppm (-10°C to +60°C)

• Tuning step increments : 5, 10, 12.5, 15, 20, 25, 30, 50, 100 and 200kHz

• Current drain (at 13.8V DC) : Receive Stand-by 0.8A
Max. audio output 1.0A
Transmit High (VHF/UHF) 12A/11.5A

• Dimensions : 141 × 40 × 185.4mm; 5⁹/₁₆ × 1⁹/₁₆ × 7⁵/₁₆ in
(Projections not included; W × H × D)

• Weight (approx.) : 1.2kg; 2.65lb

TRANSMITTER

• Output power	: VHF 55W, 15W (approx.), 5W (approx.) selectable UHF 50W, 15W (approx.), 5W (approx.) selectable
• Max. frequency deviation	: ±5.0kHz (wide), ±2.5kHz (narrow)
• Spurious emissions	: Less than -60dB
• Microphone impedance	: 600Ω (8-pin modular jack)

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

RECEIVER

• Intermediate frequencies	: 1st/2nd 46.05MHz/450kHz
• Sensitivity (at 12dB SINAD)	: Less than 0.18μV (144/430MHz band only)
• Squelch sensitivity	: Less than 0.13μV (at threshold; 144/430MHz band only)
• Selectivity (Wide/Narrow)	: More than 12/6kHz at -6dB Less than 30/20kHz at -60dB
• Spurious rejection ratio	: More than 60dB
• Audio output (at 13.8V DC)	: More than 2.0W at 10% distortion with an 8Ω load
• Ext. speaker connector	: 2-conductor 3.5 (d) mm (1/8")/8Ω

Supplied accessories:

• Hand microphone, HM-133	• 3.5m (11.5ft) separation cable, OPC-600/R
• DC power cable, OPC-1132	• Mounting bracket
	• Spare fuse



OPTIONS

■ SEPARATION ACCESSORIES

- **OPC-600/R, OPC-601/R SEPARATION CABLES**
For operation with the front panel detached.
OPC-600/R: 3.5m (11.5ft); OPC-601/R: 7.0m (23.0ft)
- **MB-58 REMOTE CONTROL HEAD BRACKET**
Mounts the remote control head in a convenient location for operation with the front panel detached.
- **MB-65 MOUNT BASE**
Mounts the remote control head with the MB-58. Adjustable angle and direction for optimum positioning.
- **OPC-1132, OPC-347 DC POWER CABLES**
OPC-1132: 3.0m (9.8ft); OPC-347: 7.0m (23ft)



■ MICROPHONE ACCESSORIES

- **HM-118N HAND MICROPHONE**
Regular hand microphone.
- **HM-118TN/TAN DTMF MICROPHONE**
DTMF microphone.
- **HM-133 REMOTE CONTROL MICROPHONE**
Full remote control microphone with keypad backlighting. Same as supplied.
- **OPC-440, OPC-647 MIC EXTENSION CABLES**
OPC-440: 5.0m (16.4ft); OPC-647: 2.5m (8.2ft)
- **OPC-589 MIC ADAPTER CABLE**
Allows you to connect an 8-pin microphone.



■ OTHER ACCESSORIES

- **CS-208 CLONING SOFTWARE**
+ **OPC-478/OPC-478U CLONING CABLE**
For quick and easy programming of memories, etc.
OPC-478: RS-232C cable; OPC-478U: USB cable
- **OPC-474 CLONING CABLE**
Transceiver to transceiver cloning cable.
- **MB-17A MOBILE MOUNTING BRACKET**
- **SP-10 EXTERNAL SPEAKERS**
- **OPC-441 SPEAKER EXTENSION CABLE**
5.0m (16.4ft)



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