



VHF/UHF FM TRANSCEIVER

# IC-208H

*High Power Dual Bander  
with Wideband Receiver*

55<sup>VHF</sup>W  
POWERFUL  
OUTPUT  
50<sup>UHF</sup>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; 4<sup>3</sup>/<sub>8</sub> × 1<sup>1</sup>/<sub>16</sub> × 1<sup>1</sup>/<sub>32</sub> 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 a 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)



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## SPECIFICATIONS

### GENERAL

- Frequency coverage : (Unit: MHz)
 

Version	Guaranteed range	Rx working range
U.S.A.	144-148, 440-450	118-173.995, 230-549.995, 810-999.990* (* Cellular blocked)
General	144-148, 430-440	118-173.995, 230-549.995, 810-999.990
- 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; 5<sup>9</sup>/<sub>16</sub> × 1<sup>9</sup>/<sub>16</sub> × 7<sup>5</sup>/<sub>16</sub> 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
- DC power cable, OPC-1132
- 3.5m (11.5ft) separation cable, OPC-600/R
- Mounting bracket
- Spare fuse



## OPTIONS

### SEPARATION ACCESSORIES

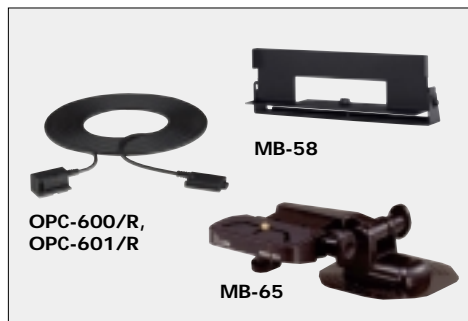
- **OPC-600/R, OPC-601/R SEPARATION CABLES**  
For operation with the front panel detached.  
OPC-600/R: 3.5m (11.5ft); OPC-601/R: 7.0m (23.0ft)
- **MB-58 REMOTE CONTROL HEAD BRACKET**  
Mounts the remote control head in a convenient location for operation with the front panel detached.
- **MB-65 MOUNT 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.
- **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 SPEAKER**
- **OPC-441 SPEAKER EXTENSION CABLE**  
5.0m (16.4ft)



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