



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) x 40 (H) x 26.3 (D) mm; 4 3/8 x 1 9/16 x 1 1/2 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)



Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage : (Unit: MHz)
- | Version | Guaranteed | 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
 - No. 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 1.0A
Transmit High 12A/11.5A (VHF/UHF)
 - Dimensions (W × H × D) : 141 × 40 × 185.4mm;
(Projections not included) 5¹/₁₆ × 1⁹/₁₆ × 7⁵/₁₆ in
 - Weight (approx.) : 1.2kg; 2.65lb

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

TRANSMITTER

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

RECEIVER

- Intermediate frequencies : 46.05MHz/450kHz (1st/2nd)
- Sensitivity (at 12dB SINAD) : Less than 0.18μV
(144/430MHz band only)
- Squelch sensitivity : Less than 0.13μV (at thresh-
old; 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% dis-
tortion with an 8Ω load
- Ext. speaker connector : 2-conductor 3.5 (d) mm
(1/8")/8Ω

Applicable U.S. Military Specifications

Icom makes rugged products that have been tested to and passed the following MIL-STD requirements and strict environmental standards.

Standard	MIL 810 C		MIL 810 D		MIL 810 E		MIL 810 F	
	Method	Proc.	Method	Proc.	Method	Proc.	Method	Proc.
Low Pressure	500.1	I	500.2	I, II	500.3	I, II	500.4	I, II
High Temp.	501.1	I	501.2	I, II	501.3	I, II	501.4	I, II
Low Temp.	502.1	I	502.2	I, II	502.3	I, II	502.4-3	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I	503.4	I
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I
Humidity	507.1	I, II	507.2	II, III	507.3	II, III	507.4	-
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	-
Dust Blowing	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I, IV

Supplied accessories:

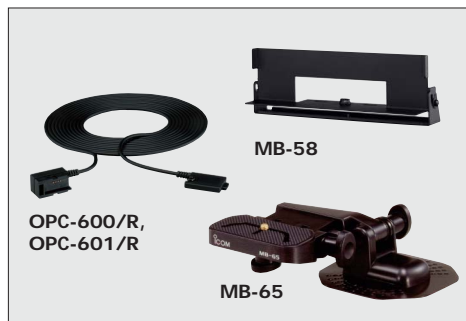
- Hand microphone, HM-133
- 3.5m (11.5ft) separation cable, OPC-600/R
- DC power cable, OPC-1132
- Mounting bracket
- Spare fuse



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 loca-
tion 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-154 HAND MICROPHONE**
Regular hand microphone.
- **HM-154T DTMF MICROPHONE**
DTMF microphone.
- **HM-133 REMOTE CONTROL MICROPHONE**
Full remote control microphone with keypad backlighting.
- **OPC-440 MIC EXTENSION CABLE**
5.0m (16.4ft)
- **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.
- **SP-10 EXTERNAL SPEAKER**
- **OPC-441 SPEAKER EXTENSION CABLE**
5.0m (16.4ft)



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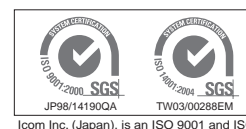
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