

ICOM

VHF/UHF FM TRANSCEIVER

IC-207H



Photo shows separate operation using the optional OPC-600/601.

Dual band features at a single band price.

Switchable dual bander

The IC-207H provides dual band capabilities (one band at a time) via a band switching system. To ensure simple operation, the band can be selected with a large, independent "BAND" switch, while the ample-sized display shows only the selected operating frequency for easy recognition.



Detachable and compact front panel

The front panel can be easily separated from the main unit using the optional OPC-600 or OPC-601 SEPARATION CABLES. Its compact dimensions of 110(W) x 40(H) x 28.3(D)mm,* allow installation almost anywhere in a wide variety of vehicle types. *4 1/2(W) x 1 3/4(H) x 1 1/4(D) in.

"Soft keys"

Switch labels are displayed on the LCD for easy visibility even during night operation.

Tone squelch standard

A separate CTCSS tone encoder and CTCSS tone encoder/decoder are standard and provide 50 independently programmable tone frequencies for repeater and tone squelch use, respectively. Additionally, tone scan and pocket beep functions are available.



The HM-96 in the above photo is optional for some versions.

9600 bps packet operation

A mini DIN 6 connector is located on the rear panel for direct connection to a packet modem. Packet speeds up to 9600 bps are supported.



And more...

- The optional HM-90 WIRELESS MICROPHONE provides convenient wireless operation of transceiver functions
- Built-in duplexer
- 4 selectable RF output powers—up to 50 W (VHF); up to 35 W (UHF)
- Total of 182 memory channels (150 for regular, 10 each for VHF/UHF scratch pads, 10 for scan edges and 2 for call channels) are available
- Most functions can be controlled from the supplied hand microphone (except some versions)
- RF attenuator linked to the squelch control
- Ultra high speed scans
- Auto repeater function (USA version only)

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SPECIFICATIONS

GENERAL

- Frequency coverage : (Unit: MHz)

Version	VHF	UHF
U.S.A.	Tx: 144-148 Rx: 118-174**	440-450
Europe	144-148	430-440
Italy	144-148	Tx: 430-440 Rx: 400-479**
Asia	Tx: 144-148 Rx: 136-174**	430-440
Taiwan	144-148	430-440

** Guaranteed 144-148** Guaranteed 430-440.

- Mode : FM, AM*
*U.S.A. version, RX only; 118-136 MHz; not guaranteed
- Number of memory channels : 182 (150 reg., 2 call, 10 scan edges and 20 scratch pads)
- Antenna connector : SO-239 (50 Ω)
- Power supply requirement : 13.8 V DC ±15%
- Usable temperature range : -10°C to +60°C; +14°F to +140°F
- Frequency stability : ±10 ppm
- Tuning step increments : 5, 10, 12.5, 15, 20, 25, 30 and 50 kHz
- Current drain (at 13.8 V DC) : Receive squelched 0.8 A
max. audio output 1.0 A
Transmit at high power VHF 12 A
UHF 11 A
- Dimensions (projections not included) : 140(W) × 40(H) × 185.4(D) mm
5½(W) × 1½(H) × 7½(D) in
- Weight : Approx. 1.17 kg; 2.6 lb.

TRANSMITTER

- Output power : VHF 50 W, 20 W, 10 W, 5 W selectable
UHF 35 W, 20 W, 10 W, 5 W selectable
VHF/UHF 25 W, 15 W, 10 W, 5 W for the Taiwan version
- Max. frequency deviation : ±5.0 kHz
- Spurious emissions : Less than -60 dB
- Microphone connector : 8-pin modular jack (500 Ω)

RECEIVER

- Receive system : Double conversion superheterodyne
- Intermediate frequencies : 1st 48.05 MHz 2nd 450 kHz
- Sensitivity : Less than 0.18 μV for 12 dB SINAD
- Squelch sensitivity : 0.13 μV (at threshold)
- Selectivity : More than 12 kHz/-6 dB
Less than 30 kHz/-60 dB
- Spurious rejection ratio : More than 60 dB
- Audio output (at 13.8 V DC) : More than 2.0 W at 10% distortion with an 8 Ω load
- Ext. speaker connector : 2-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

■ SEPARATION ACCESSORIES

- **OPC-600/601** SEPARATION CABLE
For operation with the front panel detached.
OPC-600: 3.5 m (11.5 ft); OPC-601: 7.0 m (23.0 ft)
- **MB-58** REMOTE CONTROLLER BRACKET
Mounts the remote controller in a convenient location for operation with the front panel detached.
- **MB-65** REMOTE CONTROLLER BRACKET
Mounts the remote controller with the MB-58. Adjustable angle and direction for optimum positioning.
- **OPC-346/OPC-347** DC POWER CABLE
Has a 20 A capacity and a length of 3/7 m (9.8/23 ft).
- **OPC-440/647** MIC EXTENSION CABLE
OPC-440: 5.0 m (16.4 ft); OPC-647: 2.5 m (8.2 ft)
- **OPC-441** SPEAKER EXTENSION CABLE
5.0 m (16.4 ft)

■ WIRELESS REMOTE ACCESSORIES

- **HM-90** WIRELESS MICROPHONE
Infrared, full remote control microphone. Wired remote control is also possible.
- **EX-1759** INFRARED RECEIVER
Used to receive control signals from the HM-90.
- **BC-96** MICROPHONE HOLDER
Holds the HM-90 in a convenient place and supplies power to the charging circuit of the HM-90.
- **CP-13/L** 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.
- **EX-1513** INFRARED SUB RECEIVER
Used with the EX-1759 to extend the controllable area.

■ OTHER ACCESSORIES

- **CS-207** CLONING SOFTWARE
+ **OPC-646** CLONING CABLE
For quick and easy programming of memories, etc.
- **HAND MICROPHONES**
HM-77 (w/DTMF memory), **HM-78**, **HM-79** (w/tone call), **HM-95** (w/DTMF), **HM-96**, **HM-97** (w/tone call) and **HM-98** (remote control)
- **HS-62** FLEXIBLE MOBILE MICROPHONE
+ **HS-155B** SWITCHBOX
+ **OPC-589** ADAPTER CABLE
For all-around mobile operation.
- **MB-17A** MOBILE MOUNTING BRACKET
• **SP-10/SP-12** EXTERNAL SPEAKERS



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