



VHF/UHF FM TRANSCEIVER

# IC-207H

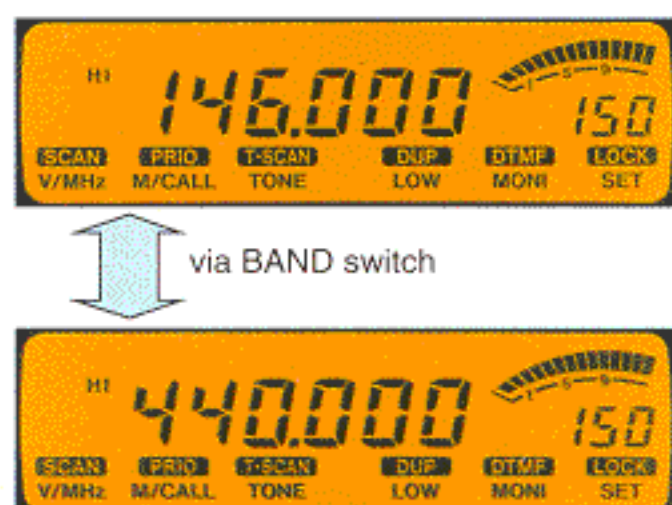


Photo shows separate operation using the optional OPC-600/601.

## 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)×40(H)×28.3(D)mm,\* allow installation almost anywhere in a wide variety of vehicle types. \*4<sup>11</sup>/<sub>32</sub>(W)×1<sup>9</sup>/<sub>16</sub>(H)×1<sup>1</sup>/<sub>8</sub>(D) in.

### "Soft keys"

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

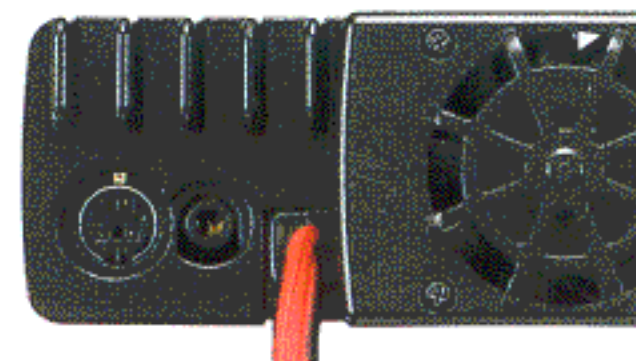
### Tone squelch standard

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.



### 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	Frequency coverage	
	VHF	UHF
U.S.A.	Tx: 144-148 Rx: 118-174* <sup>1</sup>	440-450
Europe	144-146	430-440
Italy	Tx: 144-148 Rx: 136-174* <sup>1</sup>	Tx: 430-440 Rx: 400-479* <sup>2</sup>
Asia	Tx: 144-148 Rx: 136-174* <sup>1</sup>	430-440

\*<sup>1</sup> Guaranteed 144-148; \*<sup>2</sup> 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  $\Omega$ )
- Power supply requirement : 13.8 V DC  $\pm$ 15%
- Usable temperature range : -10°C to +60°C; +14°F to +140°F
- Frequency stability :  $\pm$ 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 : 140(W)  $\times$  40(H)  $\times$  185.4(D) mm  
(projections not included) 5½(W)  $\times$  1⅞(H)  $\times$  7⅝(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
- Modulation system : Variable reactance frequency modulation
- Max. frequency deviation :  $\pm$ 5.0 kHz
- Spurious emissions : Less than -60 dB
- Microphone connector : 8-pin modular jack (600  $\Omega$ )

## RECEIVER

- Receive system : Double conversion superheterodyne
- Intermediate frequencies : 1st 46.05 MHz 2nd 450 kHz
- Sensitivity : Less than 0.18  $\mu$ V for 12 dB SINAD
- Squelch sensitivity : 0.13  $\mu$ V (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  $\Omega$  load
- Ext. speaker connector : 2-conductor 3.5 (d) mm (⅞"/8  $\Omega$ )

## 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

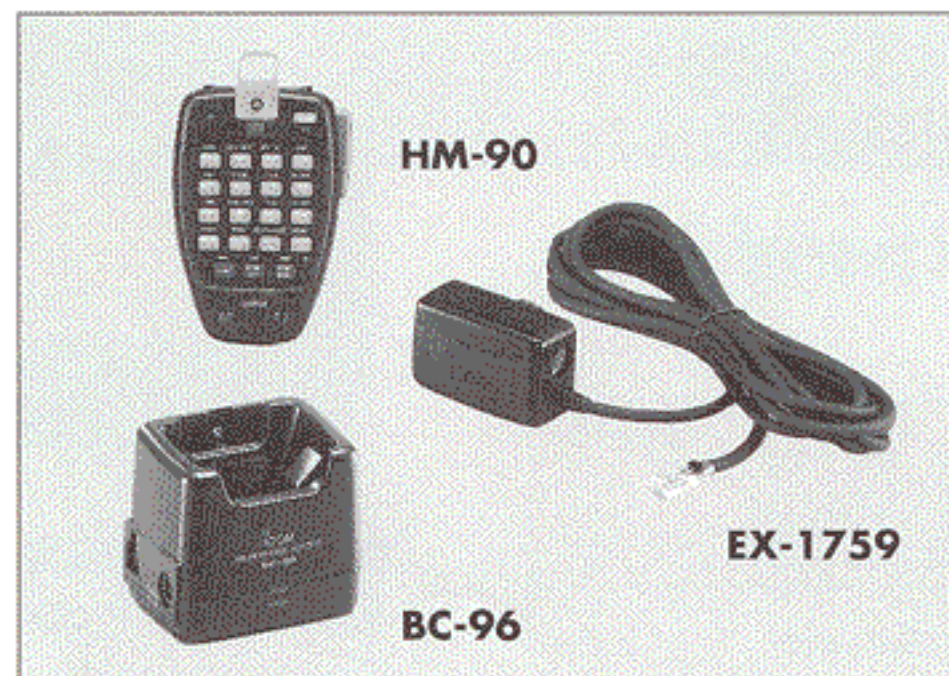
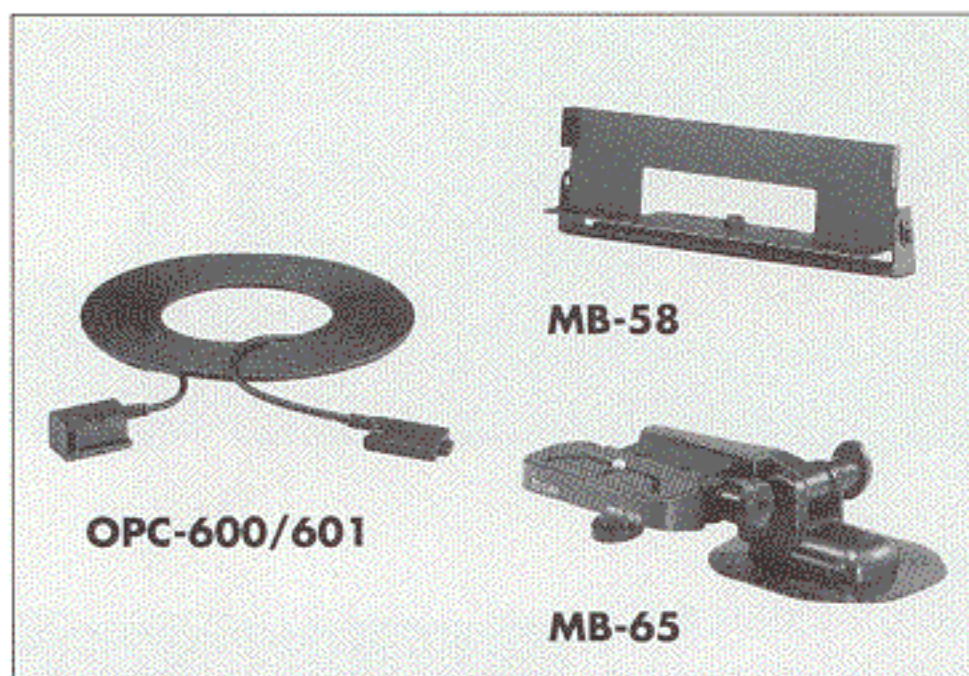
- **OPC-600/601** SEPARATION CABLE  
For operation with the front panel detached.  
OPC-600: 3.5 m (11.5 ft); OPC-601: 7.0 m (23.0 ft)
- **MB-58** REMOTE CONTROLLER BRACKET  
Mounts the remote controller in a convenient location for operation with the front panel detached.
- **MB-65** REMOTE CONTROLLER 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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Count on us!

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