

ICOM

VHF AND UHF TRUNKED RADIOS

IC-F1500  
IC-F2500



The above photo includes the optional, separate IC-2000 and IC-2000B cables.

● **Network flexibility**

Compatible with most MPT-1327 trunking networks.

● **Calling flexibility**

Dispatcher, individual, group, emergency, or city and telephone\* (PSTN and PABX) calls are available via voice or status calls. Call codes or status messages are easily recalled from 41 directory memories or 32 status memories, respectively. In addition, dispatcher call memory is recallable via the individual dispatch key or the PTT switch on the microphone.

\* Trunking network must be connected to PSTN/PABX via voice only.

● **Queue channels**

Queue (priority memory) channels store the identities and numbers of the sender automatically when you are not available. 15 Queue channels provides convenience in returning calls.

● **Large, alphanumeric display**

● **Detachable front panel**

(Optional FMX-1 and DFC-009 are required.)

● **Conventional CTCSS operation**

● **Cloning system for IBM<sup>®</sup> PC**

IBM is a registered trademark of International Business Machines.



Photo shows cloning setup.

Icom Inc.

## ADDITIONAL FEATURES

- All call memory channels can store up to 15 digit codes (including 4 and 6) as well as up to 8-character names for recognition
- 28 status memory channels can store up to 16-character alphanumeric names (instead of 2-digit numbers)
- All 1024 trunking channels are usable
- Flexible alert functions for alert requirements during direct connect repeater use or for direct connection requirements during non-direct connect repeater use
- Call back function
- Dispatcher call from PTT switch
- Diver's own and selectable diver's party call
- Simple operation

- Rugged construction
- Equipped with a high power speaker on the front panel
- Wide frequency coverage
- Anti-rainance free EEPROM for memory back up
- Adjustable minimum AF volume level to prevent accidental inaudible volume settings
- Programmable key assign function is available for conventional operation
- User CTCSS frequencies are programmable (select from 60.1–300.1 Hz pre-programmed frequencies)
- Time-out timer and TOT penalty time
- Optional OPC-617 external terminal socket is available

## SPECIFICATIONS

GENERAL	
• Frequency coverage	
IC-F1500	136–157 MHz 146–174 MHz
IC-F2500	440–470 MHz 450–470 MHz
• Voice	• FSK (FSK type) • 12.5 kHz type 1500 Hz (FSK type) 12.5 kHz type
• Max. transmitter	• 100 W (100 W trunking) 5 (conventional)
• Channel spacing	• 12.5 kHz and 25 kHz
• Power supply	• 12.8 V DC at 100% regulation (typical)
• Current drain (at 12.8 V DC)	• 25 W 7 A (IC-F1500) 8 A (IC-F2500)
	• Standby 700 mA Max. audio 2 A
• Max. transmit range	• 25/100/400/2
• Frequency stability	• ±0.001 Hz
• Channels connector	• SO-DIP (12 pins)

• Dimensions (width x height x depth)  
• Weight

• Power (100 W / 200 W) net  
• 5 kg

### TRANSMITTER

• Output power	• 100 W (100 W) • 20 W (20 W)
• Modulation deviation	• 4.5 kHz (12.5 kHz type) 5.0 kHz (25 kHz type)
• Adjacent channel power	• 60 dB (12.5 kHz type) 70 dB (25 kHz type)
• Spurious emissions	• -30 dB
• Modem connection	• RS-485 (option terminal socket)

### RECEIVER

• Sensitivity	• 0.25 µV (12.5 kHz) 1 µV (25 kHz) (FSK)
• Squelch level	• 12 dB (FSK type) 10 dB (12.5 kHz type)
• Adj. channel selectivity	• 60 dB (25 kHz type) 70 dB (12.5 kHz type)
• Distortion (conventional)	• 50 dB
• Harmonic distortion	• more than 30 dB at maximum transmit power
• Audio output power	• 2 (conventional) 5 (FSK)

Measurements made in accordance with CTS-100-105.

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

## OPTIONS

- **RMK-1 SEPARATION KIT + OPC-609 SEPARATION CABLE**  
For full range of operation (max. 100 W)
- **OPC-617 SO-DIP**  
For external terminal connection

- **SP-3 EXTERNAL SPEAKER**  
Large speaker of good audio quality  
(max. impedance 2 Ω, max. output power 3 W)
- **SP-10 EXTERNAL SPEAKER**  
Compact and easy-to-install  
(max. impedance 4 Ω, max. output power 3 W)

RMK-1 + OPC-609



OPC-617



SP-3



SP-10

