

ICOM

LAND MOBILE RADIOS

**IC-F10** VHF TRANSCEIVER  
**IC-F20** UHF TRANSCEIVER

### ***Simple-to-operate, ruggedly-built.***

*Innovative engineering and design have produced a portable that is easy-to-use, yet offers the features and performance expected in the land mobile market. Basic, no-nonsense communications you can count on.*

- **Simple operation for anybody**

A minimum number of switches and controls keeps operating procedures simple and intuitive.

- **8-character, alphanumeric display**

Name channels and functions for increased convenience.

- **Up to 10 functions can be assigned to the front/top panel switches**

Customization to meet a variety of operating requirements.

- **Rugged construction**

Polycarbonate front panel and a die-cast, aluminum rear panel.

- **CTCSS standard; DTCSS, 2-tone and 5-tone capabilities optional**

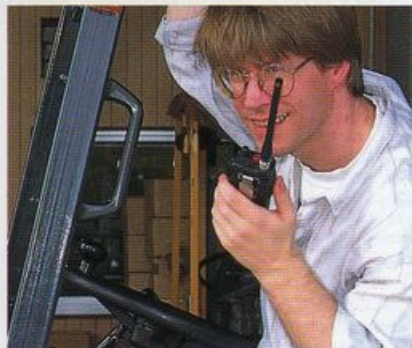
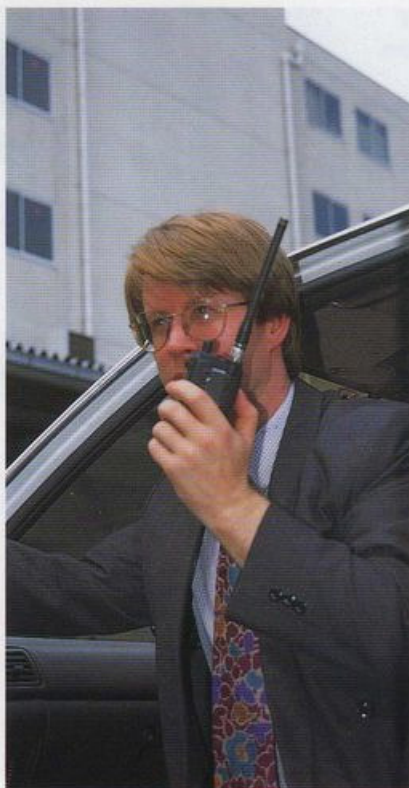
Multiple signalling systems available to meet a wide variety of needs.

- **Up to 24 channels w/scanning**

2 selectable scan lists with 3 types of scans.

- **Optional automatic ID transmission**

Conveniently identifies a caller's 5-tone identity before or after transmission.



Icom Inc.

**SPECIFICATIONS**

**GENERAL**

- Frequency coverage (Rx and Tx)\*
  - IC-F10 : 136-150 MHz  
146-174 MHz
  - IC-F20 : 400-430 MHz  
440-470 MHz  
470-490 MHz  
490-520 MHz

\*Varies according to version.
- Channel spacing : 25 kHz, 30 kHz  
(12.5 kHz for narrow-type)
- Mode : 16K0F3E  
(8K50F3E for narrow-type)
- Usable temperature range
  - (U.S.A. versions) : -22 °F to +140 °F
  - (European versions) : -25 °C to +55 °C

**TRANSMITTER**

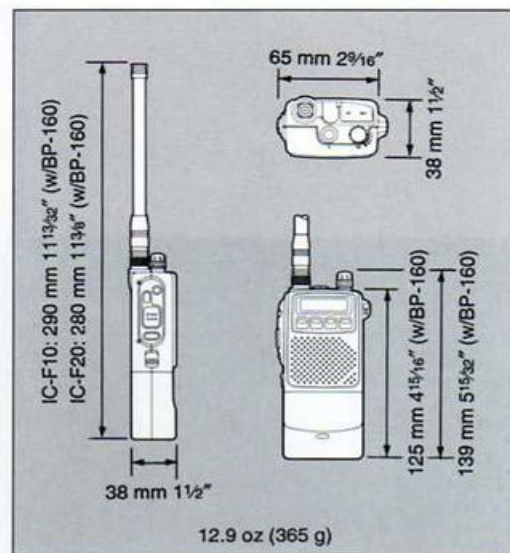
- Output power (12V) : 4 W (high) 1 W (low)
- Spurious emissions : -70 dB (0.25 µW)
- Frequency stability : ±0.0005 %

**RECEIVER**

- Sensitivity : 0.35 µV  
(for 12 dB SINAD)
- Adjacent channel selectivity : -70 dB  
(-60 dB for narrow-type)
- Spurious rejection : -70 dB
- Image rejection : -70 dB
- Audio output power : 350 mW at 10 % distortion
- Current consumption
  - Receive : 70 mA (standby)
  - Transmit : 300 mA (max. audio)
  - 1.0 A (1 W)

Measurements made in accordance with EIA/TIA-316-C.

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

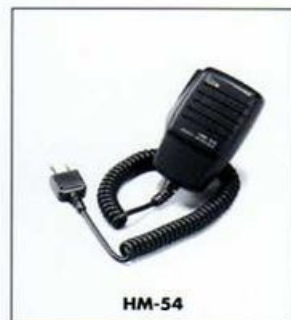
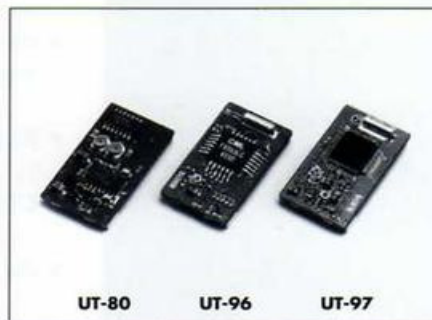


**OPTIONS**

**BATTERY PACKS**

Battery pack				Charging period	
Model	Voltage	Capacity	Output power	BC-79+AD-28	AD-54
BP-157A	7.2 V	900 mAh	2 W	60 min.	17 hr.
BP-160	7.2 V	700 mAh	2 W	60 min.	13 hr.
BP-174	12 V	600 mAh	4 W	90 min.	11 hr.

- **BC-79** DESKTOP CHARGER + **AD-28** CHARGE ADAPTER  
Rapidly charge battery packs.
- **AD-54** BATTERY CHARGER  
Trickle charges battery packs.
- **HM-46** SPEAKER-MICROPHONE  
Slim dimensions. Equipped with an earphone jack and a transmit indicator.
- **HM-54** SPEAKER-MICROPHONE  
Provides convenient lightweight operation while hanging the transceiver from your belt, etc.
- **HM-55/A** DTMF SPEAKER-MICROPHONE  
Provides manual DTMF encoding capabilities.
- **UT-80** 2-TONE UNIT  
Provides the transceiver with 2-tone decode capability.
- **UT-96** 5-TONE UNIT  
Provides the transceiver with 5-tone capabilities.
- **UT-97** DTCS UNIT  
Provides the transceiver with DTCS tone squelch capabilities.



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Count on us!

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