



## UHF TRUNKED RADIOS

### IC-F40GT

(MT Version with keypad-U.S.A.)

### IC-F41GT

(MT Version with keypad-Europe)

### IC-F40GS

(MT Version without keypad-U.S.A.)

### IC-F41GS

(MT Version without keypad-Europe)

# Innovative Voice and Data Communications

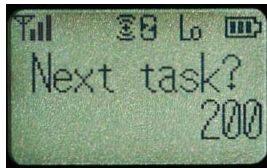
Meets  
**MIL-STD 810**

## MPT Trunking

**MPT1327/1343  
MAP27**



- Compatible with MPT 1327/1343 Networks
- Short Data Message (SDM)
- 32 Status Messages Capability
- MAP 27 Data Communication Protocol, RS-232C PC Interface
- Large LCD, 2 lines×12 Full-Dot Matrix Characters
- 40 Alphanumeric Phone Lists
- 15 Call Back Memories



Short Data Message Example

- 32 Conventional Channels with CTCSS
- MIL 810 Rugged Construction
- Optional Voice Scrambler Unit, UT-109
- Flash ROM CPU, Firmware Upgrade Capability
- Keypad or Non-Keypad Type Available
- Audio Processor and Compander
- Rewritable System Messages into Other European Languages

**Icom Inc.**

**SPECIFICATIONS**

- Frequency coverage : 400-430MHz, 440-480MHz, 450-490MHz (EIA), 480-512MHz (EIA), 480-520MHz (Others)
- Number of channels : 32 (Conventional mode)
- Power supply requirement : 7.2V DC (Icom battery pack)
- Current drain :
  - Tx High : 2.0A
  - Rx AF max. : 300mA
  - Standby : 95mA
- Operating temp. range : -25°C to +55°C (ETS); -22°F to +140°F (EIA)
- Dimensions (WxHxD) (proj. not included) : 54 × 139 × 38 mm ; 2 1/8 × 5 1/2 × 1 1/2 in
- Weight (with BP-210) : 420g (14.8oz)
- Output power (at 7.2V DC) : 4W (Rated output power)
- External mic. connector : 9-pin multi connector / 2.2kΩ
- Audio output power : 500mW (typical at 5% distortion with an 8Ω load)
- External speaker connector: 9-pin multi connector / 8Ω

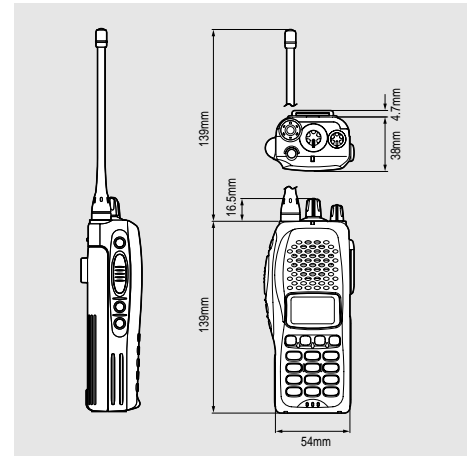
**Applicable U.S. Military Specifications**

Icom makes rugged products that meet MIL-STD requirements and strict environmental standards as follows.

Standard	MIL 810C		MIL 810D		MIL 810E	
	Method	Proc.	Method	Proc.	Method	Proc.
Low Pressure	500.1	I	500.2	I, II	500.3	I, II
High Temp.	501.1	I	501.2	I, II	501.3	I, II
Low Temp.	502.1	I	502.2	I, II	502.3	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I
Solar Radiation	505.1	I	505.2	I	505.3	I
Rain	506.1	I, II	506.2	I, II	506.3	I, II
Humidity	507.1	I, II	507.2	II, III	507.3	II, III
Salt Fog	509.1	I	509.2	I	509.3	I
Dust	510.1	I	510.2	I	510.3	I
Vibration	514.2	VIII, X	514.3	I	514.4	I
Shock	516.2	I, II, IV	516.3	I, IV	516.4	I, IV

**Supplied accessories:**

- Battery pack; BP-210
- Belt clip; MB-68
- Antenna



Measurements made in accordance with EIA-152-C/204D, TIA-603 or EN 300 086. All stated specifications are subject to change without notice or obligation.

**OPTIONS**

**BATTERY PACKS AND CASE**

- |                                           |                                        |                                        |                                       |
|-------------------------------------------|----------------------------------------|----------------------------------------|---------------------------------------|
| <b>BP-208</b><br>AA (R6)<br>batteries × 6 | <b>BP-209</b><br>Ni-Cd<br>7.2V/1100mAh | <b>BP-210</b><br>Ni-MH<br>7.2V/1650mAh | <b>BP-222</b><br>Ni-Cd<br>7.2V/600mAh |
|-------------------------------------------|----------------------------------------|----------------------------------------|---------------------------------------|



BATTERY PACKS AND CASE	BP-208	BP-209	BP-210	BP-222
OUTPUT POWER	1W typ.	4W typ.	4W typ.	4W typ.
BATTERY LIFE	-	8.5hours	13hours	4.5hours

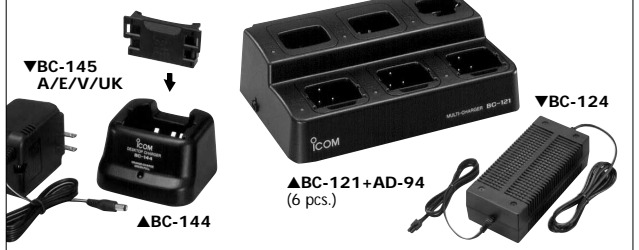
Battery life is approx. time; (Tx (Hi): Rx: standby=5:5:90)

**REGULAR CHARGER**



**BC-146 DESKTOP CHARGER + BC-147A/E AC ADAPTER**  
Charges the battery pack, BP-209, BP-210 or BP-222 with/without transceiver in 12, 18.5, 6.5 hours (approx.), respectively. An AC adapter, BC-147, is additionally required.

**RAPID CHARGERS**



**BC-144 DESKTOP CHARGER + BC-145A/E/V/UK AC ADAPTER**  
For rapid charging of Ni-Cd or Ni-MH battery pack. An AC adapter, BC-145, may be supplied, depending on version. Charging time: 1.5 to 2 hours. BC-119 is also available for rapid charging.  
**BC-121 MULTI-CHARGER + AD-94 (ver.11) CHARGER ADAPTER + BC-124 AC ADAPTER**  
For rapid charging of up to 6 pieces of Ni-Cd or Ni-MH battery packs (Six AD-94s are required). An AC adapter, BC-124, may be supplied, depending on version. Charging time: 1.5 to 2 hours.

**SPEAKER-MICROPHONES**



**EM-80:** Durable, full-sized microphone with internal speaker. Slim dimensions. Equipped with an earphone jack and a transmit indicator.  
**EM-89:** Flexible boom microphone and rotating earbud with a spring earhook that fits for left and right ears. Provides clear communications even when wearing helmets. (VOX is available with future upgrade.)  
**HM-131SC:** Compact and durable body. Equipped with an earphone jack and a revolving clip.

**HS-94 EARHOOK-HEADSET + VS-15C PTT CASE**



Flexible boom microphone and rotating earbud with a spring earhook that fits for left and right ears. Provides clear communications even when wearing helmets. (VOX is available with future upgrade.)

**OPC-966 INTERFACE CABLE**



RS-232C interface cable for connecting with PC. Used for data communication or PC cloning.

**UT-109 VOICE SCRAMBLER UNIT**



Provides operating privacy by scrambling signals.

- SP-13 EARPHONE + AD-52 EARPHONE ADAPTER**  
Provides clear audio even in noisy environments.
- FA-SC73US STUBBY ANTENNA**  
60mm stubby antenna. Freq. range: 450-490MHz
- AD-98FSC ANTENNA CONNECTOR ADAPTER**  
Allows you to connect a BNC-type antenna. (For maintenance use only)
- MB-74 BELT CLIP**  
Alligator type clip.
- MB-68 BELT CLIP**  
Same as that supplied.

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Your local distributor/dealer:



Certificate Number Q14190

Icom Inc. (Japan), is an ISO9001 certification acquired company.