



## UHF TRUNKED RADIOS

**IC-F610** (MT Version—Europe)

**IC-F620** (MT Version—General)

**MPT Trunking**  
MPT1327/1343  
MAP27



- **Compatible with MPT 1327/1343 networks**

The IC-F610/F620 MT series is compatible with the MPT 1327/1343 trunking system. Dispatcher, individual, group, emergency, priority and telephone (PSTN and PABX)\* calls are available.

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

- **Alphanumeric display and independent user-friendly volume knob**

10-digit alphanumeric display clearly shows numerous status icons and call back memories for easy recognition. An independent volume knob for easy volume control is adopted.

- **DTMF direct dialling and short data message**

With the optional DTMF microphone HM-100TN, DTMF dialling allows you to make a call from the palm of your hand. Short data messages and 32 status call codes also can be sent directly.

- **Map27 data capability**

By connecting a PC or other terminal with the optional OPC-822 (RS-232C) cable, MAP27 provides data communication easily.

- **Conventional operation with CTCSS**

Even in out of trunking service areas, 32 conventional channels with CTCSS signalling allows for versatile communication. Wide/narrow channel spacing (25/12.5kHz) is selectable.

- **Invertible chassis from the front panel**

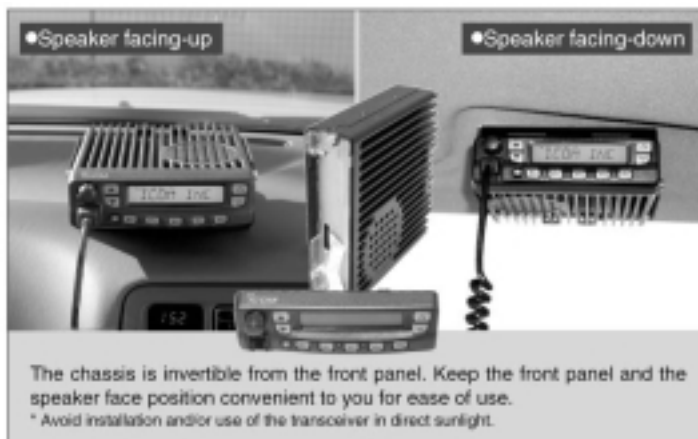


The above photo includes the optional DTMF MIC, HM-100TN.

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**ADDITIONAL FEATURES**

- 40 dialling memories with alphanumeric names
- Optional voice scrambler unit, UT-109
- Built-in audio compander
- Own and 3rd party divert calls
- Flash ROM CPU for firmware upgrade capability
- MIL810 rugged construction
- Rewritable system messages
- Advanced PC programming capability
- 5-digit routing code for abbreviation dialling
- Complementary operation with IC-F40GT/GS MT series



**SPECIFICATIONS**

- Frequency coverage : 400-430MHz  
440-490MHz
- Number of channels : 32 channels (Conventional mode)
- Power supply voltage : 13.2V DC (ETS)  
13.6V DC (EIA)
- Current drain (approx.) : Tx at 25W 7A  
Rx max. audio 1.2A  
standby 300mA
- Operating temperature range : -25°C to +55°C (ETS)  
-22°F to +140°F (EIA)
- Antenna impedance : 50Ω (SO-239)
- Dimensions (W×H×D) : 140×40×170mm; 5½×19/16×611/16in
- Weight : 1.2kg ; 2lb 10oz
- Rated output power : 25W
- Microphone impedance : 600Ω (8-pin modular)
- Audio output power : 4W typical at 10% distortion with a 4Ω load
- External speaker connector : 2-conductor 3.5 (d) mm (1/8")/4Ω

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

**Applicable U.S. Military Specifications**

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

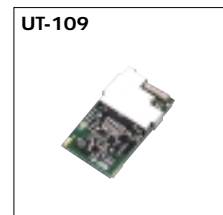
Standard	MIL 810C		MIL 810D		MIL 810E		MIL 810F	
	Method	Proc.	Method	Proc.	Method	Proc.	Method	Proc.
Low Pressure	500.1	I	500.2	I, II	500.3	I, II	500.4	I, II
High Temp.	501.1	I	501.2	I, II	501.3	I, II	501.4	I, II
Low Temp.	502.1	I	502.2	I, II	502.3	I, II	502.4-3	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I	503.4	I
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, II
Humidity	507.1	I, II	507.2	II, III	507.3	II, III	507.4	-
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	-
Dust	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I, IV

**Supplied Accessories**

- Hand mic. (HM-100N)
- DC power cable
- Mounting bracket kit
- Fuses
- Key assign stickers

**OPTIONS**

- **HM-100N HAND MICROPHONE**  
Same as supplied hand microphone.
- **HM-100TN DTMF MICROPHONE**  
Hand microphone with a DTMF keypad.
- **OPC-617 ACC CABLE**  
Connection cable for ignition SW, dimmer control, etc.
- **OPC-822 INTERFACE CABLE (For MAP27)**  
Allows you to connect with a PC through an RS-232C serial port for data communications.
- **SM-25 DESKTOP MICROPHONE**  
Convenient for dispatching, equipped with monitor switch.
- **SP-5/SP-10/SP-22 EXTERNAL SPEAKERS**  
Input impedance: 4Ω; Max. input power: 5W
- **UT-109 VOICE SCRAMBLER UNIT (Version 02)**  
Provides operating security. Up to 32 scrambling codes are available. Ask your dealer for details.



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Certificate Number Q14190

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

Your local distributor/dealer: