



UHF TRUNKED RADIOS

IC-F620TR (25W) IC-F621TR (45W)

Phase II — Compliant with NTS Release 2.2

**LTR
PassPort**



Capture More of Your System's Range...and Profits

With more flexibility, more power, and more spectrum coverage the IC-F620/F621TR allows you to load more customers on to your existing system. Now as part of an integrated system, combine this Icom trunking mobile with Icom's IC-F43TR portable or IC-FR4000 repeater to maximize your existing system's potential.

More Flexibility (3-in-1)

The IC-F620/F621TR offers basic LTR, PassPort, and conventional operations in one unit. Conventional operation and talk around during trunking operation are both available with the touch of a button.

○ LTR Features and Select Call

Program up to 50 systems and up to 250 talk groups per system. All basic LTR features, including DTMF direct calling with the optional DTMF microphone, HM-152T, telephone interconnect and wide/narrow channel spacing are available.

○ PassPort Features — NTS Release 2.2

- Individual Selective Call (MIN call) – Allows private call between individual members within a fleet.
- Display MIN Text – While in group conversation, you can see the name of the calling party in the display, instead of the MIN number.
- Primary Talk Group – “All Call” allows individual users to call all groups in the fleet.
- RSSI (Receive signal strength indicator) – Detects the strongest signal site, providing seamless roaming.
- Site Lock – Allows the user to lock the radio onto the current site to avoid roaming.

More Power (45W of Trunking Power*)

Maximize the footprint the FCC gave you. More power equals greater access/coverage. It also means more reliable handshakes at the edge of your footprint. (* IC-F621TR only.)

More Spectrum

Wide bandwidth of 440–490MHz with switchable 12.5/25kHz widths per channel allows for greater system configuration flexibility.

5 Prog. Buttons & Independent AF Volume Knob

P0–P4 buttons allow you to customize functions to meet specific needs. The independent volume knob provides quick operation.

Invertible Chassis for Clearer Speaker Audio



Avoid installation and/or use of the radio in direct sunlight.

Icom Inc.

ADDITIONAL FEATURES

- CTCSS, DTCS encoder and decoder built-in
- Conventional, system and group scans
- Flash ROM CPU for firmware upgrade capability
- MIL-STD-810 rugged construction
- Advanced PC programming capability
- One touch abbreviated dialing with optional DTMF Microphone, HM-152T
- Dead beat stuns the radio for certain periods

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Now part of an integrated system

Take advantage of Icom's integrated design that offers a value alternative for trunking systems. The IC-F43TR and IC-FR4000* are designed companions to our mobile radio. (* External trunking controller is required for LTR and PassPort trunking.)



▲ IC-FR4000



▲ IC-F43TR

SPECIFICATIONS

- Frequency coverage : 400–430MHz, 440–490MHz
- Number of channels : Max. 250 channels (conventional)
- Power supply voltage : 13.6V DC
- Current drain (approx.):
 - Tx at 45W 13A
 - at 25W 7A
 - Rx max. audio 1.2A
 - standby 300mA
- Operating temperature range : –30°C to +60°C; –22°F to +140°F
- Antenna impedance : 50Ω (SO-239)
- Dimensions (W×H×D) : 140×40×170mm; 5½×19¼×6⅞in
- Weight : 1.2kg; 2.6lb
- Rated output power : IC-F620TR 25W
- IC-F621TR 45W
- 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. All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications

Icom makes rugged products that have been tested to and passed the following MIL-STD requirements and strict environmental standards.

Standard	MIL 810F	
	Method	Proc.
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain	506.4	I, II
Humidity	507.4	–
Salt Fog	509.4	–
Dust	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV

Also meets equivalent MIL-STD-810-C, -D and -E.

Supplied Accessories

- Hand mic. (HM-152)
- DC power cable
- Mounting bracket kit
- Fuses
- Key assign stickers

OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.

- **HM-152** HAND MICROPHONE
- **HM-152T** DTMF MICROPHONE
Hand microphone with a DTMF keypad.
- **OPC-617** ACC CABLE
Connection cable for ignition SW, dimmer control, etc.
- **SM-25** DESKTOP MICROPHONE
Convenient for dispatching. Equipped with monitor switch.
- **SP-10/SP-22** EXTERNAL SPEAKERS
Input impedance: 4Ω; Max. input power: 5W
- **UT-109** VOICE SCRAMBLER UNIT (Version 02)
Non-rolling type. Up to 32 codes are available.
- **UT-110** VOICE SCRAMBLER UNIT (Version 02)
Rolling type. Available in conventional mode only.



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