ICOM

VHF TRANSCEIVER
IC-F521

UHF TRANSCEIVER
IC-F621

Icom Inc.

IMPORTANT

READ ALL INSTRUCTIONS carefully and completely before using the transceiver.

SAVE THIS INSTRUCTION MANUAL — This instruction manual contains important operating instructions for the **IC-F521 VHF TRANSCEIVER** and **IC-F621 UHF TRANSCEIVER**.

EXPLICIT DEFINITIONS

WORD	DEFINITION
⚠WARNING	Personal injury, fire hazard or electric shock may occur.
CAUTION	Equipment damage may occur.
NOTE	If disregarded, inconvenience only. No risk of personal injury, fire or electric shock.

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PRECAUTIONS

⚠**WARNING! NEVER** connect the transceiver to an AC outlet. This may pose a fire hazard or result in an electric shock.

⚠**WARNING! NEVER** connect the transceiver to a power source of more than 16 V DC such as a 24 V battery. This connection will ruin the transceiver.

⚠**WARNING! NEVER** cut the DC power cable between the DC plug and fuse holder. If an incorrect connection is made after cutting, the transceiver might be damaged.

⚠**WARNING! NEVER** place the transceiver where normal operation of the vehicle may be hindered or where it could cause bodily injury.

CAUTION! NEVER allow children to touch the transceiver.

CAUTION! NEVER expose the transceiver to rain, snow or any liquids.

USE supplied or optional microphone only. Other microphones have different pin assignments and may damage the transceiver.

DO NOT use or place the transceiver in areas with temperatures below –22°F (–30°C) or above +140°F (+60°C), or in areas subject to direct sunlight, such as the dashboard.

DO NOT operate the transceiver without running the vehicle's engine. The vehicle's battery will quickly run out when the transceiver transmits while the vehicle's engine is OFF.

DO NOT place the transceiver in excessively dusty environments.

DO NOT place the transceiver against walls. This will obstruct heat dissipation.

DO NOT use chemical agents such as benzine or alcohol when cleaning, as they damage the transceiver surfaces.

BE CAREFUL! The transceiver will become hot when operating continuously for long periods.

Icom optional equipment is designed for optimal performance when used with this transceiver. We are not responsible for the transceiver being damaged or any accident caused when using non-Icom optional equipment.
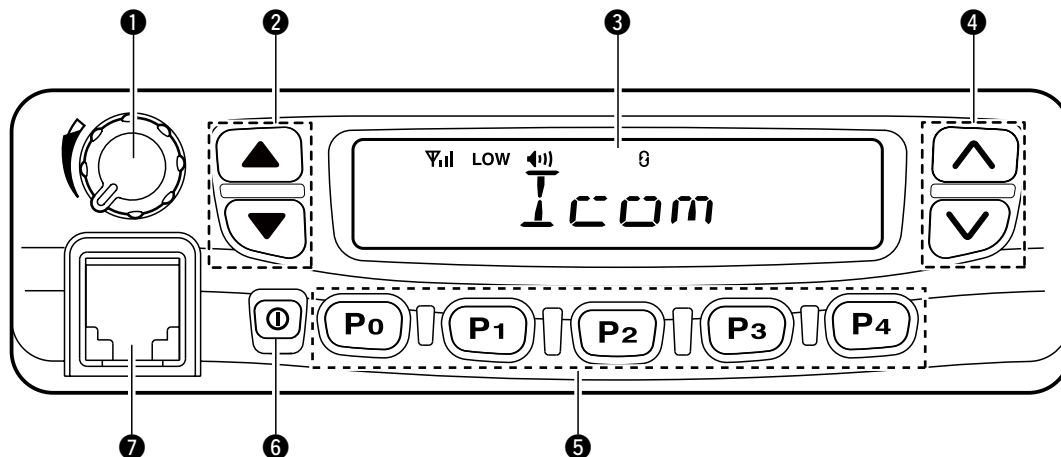
For U.S.A. only
CAUTION: Changes or modifications to this transceiver, not expressly approved by Icom Inc., could void your authority to operate this transceiver under FCC regulations.

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■ Front panel

❶ AF VOLUME CONTROL KNOB
➡ Rotate the knob to adjust the audio output level.
• Minimum audio level is pre-programmed.

❷ LEFT UP/DOWN [▲]/[▼] KEYS
➡ One of several functions can be programmed by your Dealer. (Same as [P0] to [P4] keys)

❸ FUNCTION DISPLAY
➡ Displays variety of information, such as an operating channel number/name, 2/5tone code, DTMF numbers and audible condition, etc.
NOTE: The above functions depend on pre-programming.

❹ RIGHT UP/DOWN [∨]/[∧] KEYS
➡ Push to select the operating channel.
➡ Can be programmed for one of several functions by your Dealer. (Same as [P0] to [P4] keys)

■ **Function display**

❶TRANSMIT INDICATOR
➥ Appears while transmitting or sending a 2/5tone code.

❷BUSY INDICATOR
➥ Appears while the channel is in busy.

❸SIGNAL STRENGTH METER
➥ Indicates relative signal strength level.

❹LOW POWER INDICATOR
➥ Appears when low output power is selected.

❺AUDIBLE INDICATOR
➥ Appears when the channel is in the 'Audible' condition (unmute condition).

❻COMPANDER INDICATOR
➥ Appears when compander function is activated.

❺DEALER-PROGRAMMABLE KEYS [P0] to [P4]
➥ Desired functions can be programmed independently by your Dealer.

❻POWER SWITCH [POWER]
➥ Push and hold to turns the power ON and OFF.
  • The following functions are available at power ON as options:
    - Automatic scan start
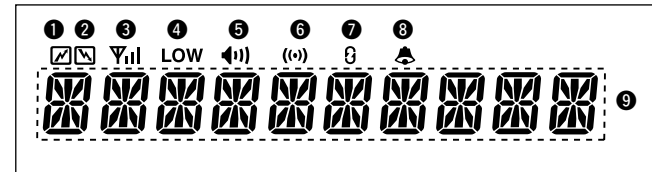   - Password prompt
    - Set mode

❼MICROPHONE CONNECTOR
➥ Connect the supplied or optional microphone.

⫽ **NEVER** connect non-specified microphones. The pin assignments may be different and the transceiver may be damaged.

MICROPHONE
➥ The supplied or optional microphone has a PTT switch and a hanger hook.
  • The following functions are available when the microphone is on or off hook:
    - Automatic scan start when hung on.
    - Automatic priority channel selection when hung off.
    - Sets to 'Inaudible' condition (mute condition) when hung on.
    - Sets to 'Audible' condition (un-mute condition) when hung off.

➐ SCRAMBLER INDICATOR
➥ Appears when scrambler function is activated. (Optional UT-109 (#02)/UT110 (#02) SCRAMBLER UNIT is required.)

➑ 2/5TONE INDICATOR
➥ Appears when specified 2/5tone call is received.

➒ ALPHANUMERIC DISPLAY
➥ Displays the CH number, 2/5tone indication, DTMF numbers, Audible indication, etc.

■ Programmable function keys

The following functions can be assigned to **[P0], [P1], [P2], [P3], [P4], [▲], [▼], [∨]** and **[∧]** programmable function keys.

Consult your Icom Dealer or System operator for details concerning your transceivers programming.

In the following explanations, programmable function names are bracketed, the specific switch used to activate the function depends on programming.

[CH UP] *CH UP AND DOWN KEYS*
[CH DN] • Select an operating channel.
• Select a transmit code channel after pushing the [**TX CH**] key.
• Select a DTMF channel after pushing the [**DTMF**] key.
• Select a scan group while pushing and holding the [**SCAN**] key.

[CH1] *OPERATING CHANNEL KEYS*
[CH2] Select an operating channel directly.
[CH3]
[CH4]

[PRI A] *PRIORITY CHANNEL KEYS*
[PRI B] Select priority A or priority B channel with each push.

Count on us!

Icom Inc.