¡COM

VHF TRANSCEIVER
IC-F110S

UHF TRANSCEIVER
IC-F210S

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-F110S VHF TRANSCEIVER** and **IC-F210S 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.

Icom, Icom Inc. and the ⁰ICOM logo are registered trademarks of Icom Incorporated (Japan) in the United States, the United Kingdom, Germany, France, Spain, Russia and/or other countries.

CAUTIONS

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

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.

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.

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

NEVER allow children to touch the transceiver.

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

USE the supplied 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 –30°C or above +60°C, or in areas subject to direct sunlight, such as the dashboard of a vehicle.

AVOID operating the transceiver without running the vehicle's engine. The vehicle's battery will quickly run out if the transceiver is in transmission while the vehicle's engine OFF.

AVOID placing the transceiver in excessively dusty environments.

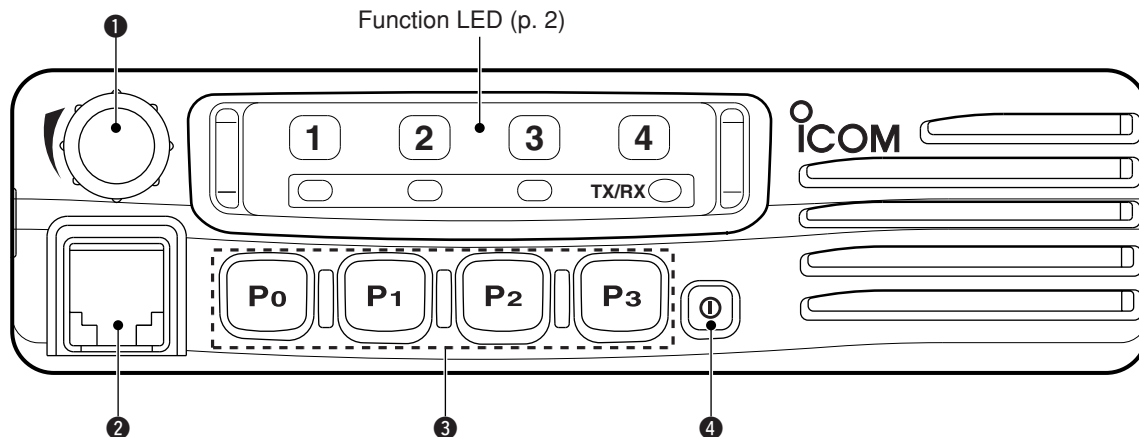**AVOID** placing the transceiver against walls. This will obstruct heat dissipation.

AVOID the use of 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.

TABLE OF CONTENTS

1 PANEL DESCRIPTION

■Front panel

Function LED (p. 2)

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

w MICROPHONE CONNECTOR
➡Connect the supplied microphone or optional DTMF micro-phone.

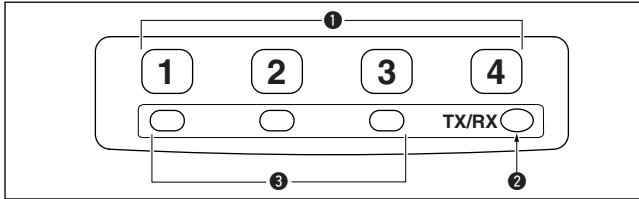 **NEVER** connect non-specified microphones. The pin assignments may be different and the transceiver may be damaged.

e DEALER-PROGRAMMABLE KEYS [P0] to [P3]
➡Desired functions can be programmed independently by your Dealer.

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

■**Function LED**

❶**CHANNEL INDICATORS**
➥ Indicates the operating channel.
➥ Blinks when receiving a signal during scanning operation.
➥ All LEDs blink while entering the power ON password.

❷**TX/RX INDICATOR**
➥ Lights red: while transmitting
➥ Lights green: while the channel is busy
➥ Blinks orange (green and red blink simultaneously): when the specified 2-tone, 5-tone call is received.
➥ Green and red blink alternately: cloning error

❸**ACTIVATED KEY INDICATOR (LP 0/1/2)**
➥ Appears when a pre-programmed key function is activated.

NOTE: When all function LEDs blink, check the DC battery voltage is not too high.

◇ **MICROPHONE**
➥ The supplied 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 hook on.
    - Automatic priority channel selection when hook off.
    - Sets to 'Inaudible' condition (mute condition) when hook on.
    - Sets to 'Audible' condition (unmute condition) when hook off.

■ Programmable function keys

The following functions can be assigned to **[P0], [P1], [P2]** and **[P3]** programmable function keys.
Consult your Icom Dealer or System operator for details concerning your transceiver's programming.
In the following explanations, programmable function names are bracketed. The specific switch used to activate the function depends on programming.

● *CH UP AND DOWN KEYS*
Select an operating channel.

● *BANK KEY*
Select and determine a bank number.

● *SCAN A START/STOP KEY*
➡ This key's operation depends on the Power ON Scan setting.
   When the power ON scan function is turned OFF;
   Push to start and cancel scanning operation.
   When the power ON scan function is turned ON;
   Push to pause scanning, then resumes scanning after a specified time period has passed.
➡ Push and hold this key for 1 sec. to indicate the scan group, then select the desired group using [CH Up]/[CH Down].

● *SCAN B START/STOP KEY*
➡ Push to start and cancel scanning operation. Scan resumes after a specified time period has passed when scan is cancelled except for this key.
➡ Push and hold this key for 1 sec. to indicate the scan group, then select the desired group using [CH Up]/[CH Down].

NOTE: Place the microphone on hook to start scanning. Take the microphone off hook to stop scanning.

● *SCAN TAG KEY*
Adds or deletes the selected channel to the scan group.

● *PRIORITY CHANNEL KEYS*
Push these keys to select priority A or priority B channel, respectively.

● *OPERATING CHANNEL KEYS*
Select an operating channel directly.

● *LOCK KEY*
Push this key for 1 sec. to lock all programmable keys except the following:
• **[CALL]** (incl. **[CAL A]** and **[CAL B]**), **[MONI]** and **[EMER]** keys.

Count on us!

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