



ADDENDUM

UHF TRANSCEIVER **IC-F43GS**

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

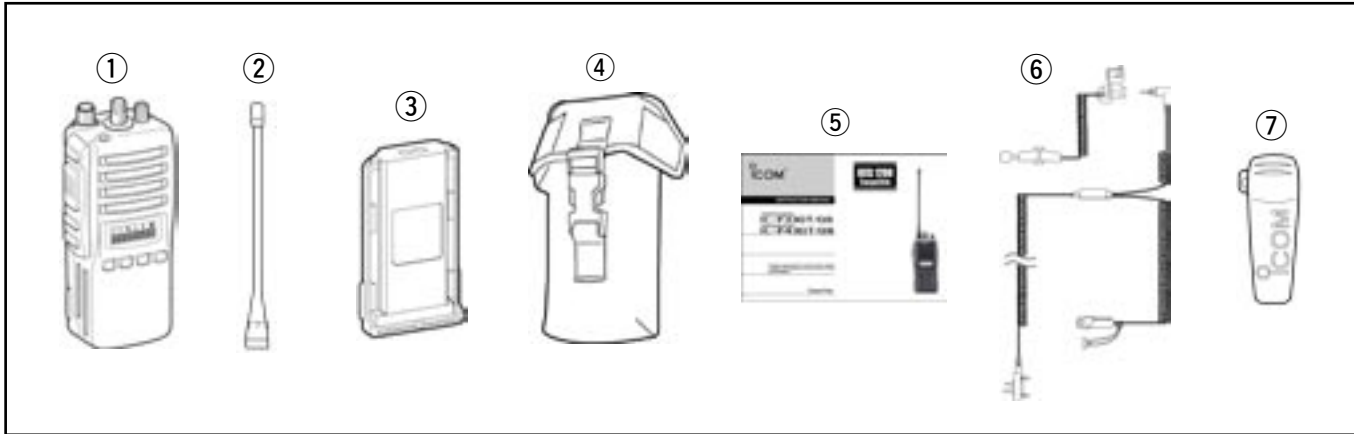
Icom America Inc.

READ ME FIRST



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■ Package Items

	Qty
① F43GS UHF Portable 380-430 MHz	1 ea.
The radio is ENCRYPTED with IC20-DES installed inside.	
② FASC03U Antenna	1 ea.
③ 7.2V 2V/2000mA/h Li-ion BP-232 battery	2 ea.
④ BEE F33GS MB Radio Carrying Case	1 ea.
⑤ A6360H-1 Instruction Manual	1 ea.
⑥ Headset	1 ea.
⑦ MB94 Belt Clip	1 ea.

■ Attributes

- Operating Frequency: 380-430 MHz Range
- 4 Watt encrypted Type III Equivalent designation radio
- Capable of programming 256 different channels
- Rechargeable Lithium-ion battery pack or optional non-rechargeable AAA battery pack for field use (low power only).

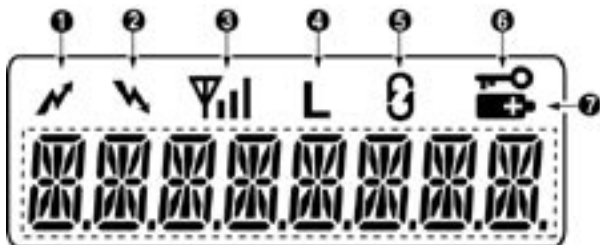
■ Talk Protocol in Encryption Mode

/// Important

Ensure that the battery pack is charged before use.

When pressing the Push To Talk [PTT] button, always pause 1 to 2 seconds (e.g. taking a breath) before talking. This allows time for completion of the signaling and encryption to the other radio(s).

Because of encryption, there will be a small level of echo and delay in the receiving voice. Note that when the radio is on and the [PTT] is not pressed, the radio is in monitor mode.



■ Basic Display Icons

For explanations of other display icons, please refer to the Instruction Manual.

① Transmit

Appears while transmitting (TX).

② Busy Channel

Appears while the selected channel is busy (RX).

③ Signal Strength

Appears on receiving radio during transmission. Indicates relative signal strength.

④ Low Power Settings

Appears when either Low 1 or Low 2 power setting is selected.

⑤ Encryption

Appears when encryption is on.

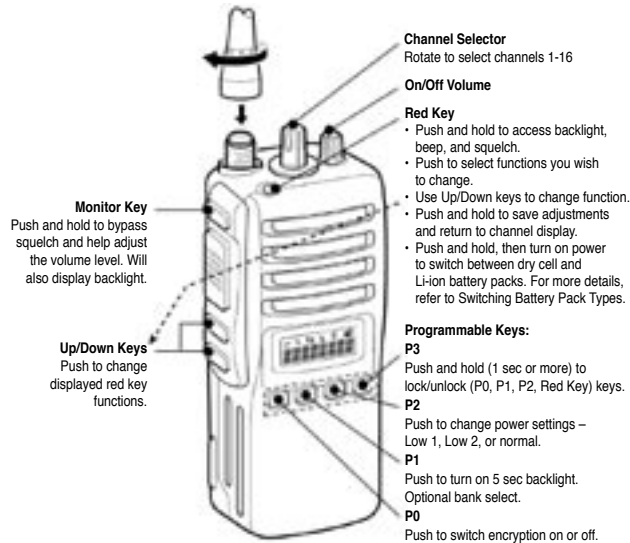
⑥ Lock

Appears when programmable keys are locked.

⑦ Battery

Appears when battery level is low. Recharge or replace battery immediately.

■ Front Panel Keys



For complete transmissions: push and hold the Push To Talk [PTT] button, pause 1 to 2 seconds, then begin talking.

Use field expedient methods to protect radio against prolonged water exposure or immersion. Radio is rain resistant but not submersible.

When using the headset, the [PTT], speaker, and microphone functions *on the radio itself* are disabled.

The carrying case is water resistant and provides adequate protection for heavy rain. Water damage is not covered by warranty.

Check antenna to be sure it is screwed on tight. Do not use the antenna as a handle.

Check the battery for correct latching if there are power issues.

Be sure the headset is properly connected and that the radio, earpiece, and microphone are secured.

■ Battery/Charging Cautions and Warnings

DANGER

Charge only the batteries specified by Icom. Fire and/or explosion may occur when a third party battery pack or counterfeit product is charged. Radio is tested and approved only for use with genuine Icom batteries.

CAUTIONS!

ALWAYS TURN THE POWER OFF WHILE CHARGING TO AVOID DAMAGE TO THE RADIO.

NEVER use another manufacturers' charger.

NEVER use another manufacturers' adapter, use only the specified Icom AC adapter.

NEVER insert a wet or soiled battery pack/radio (with the battery pack attached) into the charger. This may result in corrosion of the charger terminals or damage to the charger. The charger is not waterproof and water can easily get into it.

NEVER incinerate used battery packs. Internal battery gas may cause an explosion.

NEVER immerse the battery pack in water. If the battery pack becomes wet, be sure to wipe it dry before attaching it to the radio.

NEVER short the terminals of the battery pack. Also, current may flow into nearby metal objects, such as ID tags, etc. Therefore, be careful when carrying with, or placing near metal objects, carrying in bags, etc.

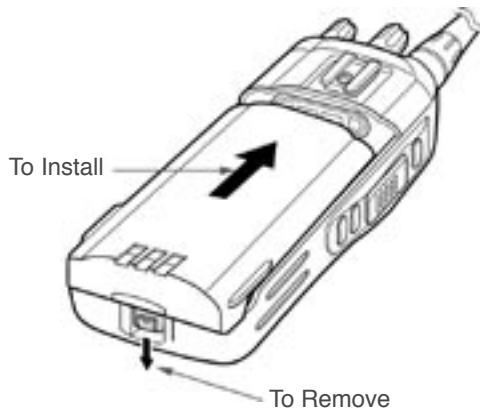
AVOID leaving the battery pack fully charged, or completely discharged for long time. It causes shorter battery life. If your battery pack seems to have no capacity even after being charged, fully charge the battery pack again. If the batteries still do not retain a charge (or very little), purchase new battery packs.

◇ Changing the Battery Packs

To remove battery packs, push down on the clip at the bottom of the radio and pull battery out.

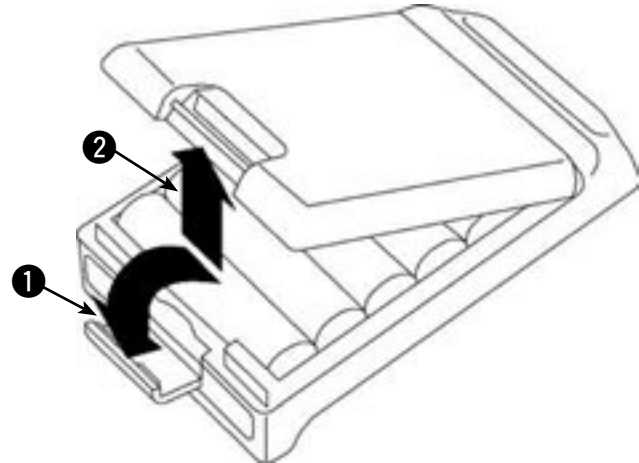
To install battery packs, place the battery in the battery slot, covering the lower part of the Icom IC-F43GS label on the radio. Push the battery down, and then up, toward the top of the radio. You will hear a “click” when the battery pack is in place.

/// **Note:** All programmed settings in the radio are retained when changing battery packs.



◇ Changing AAA Batteries in the BP-240 Battery Pack

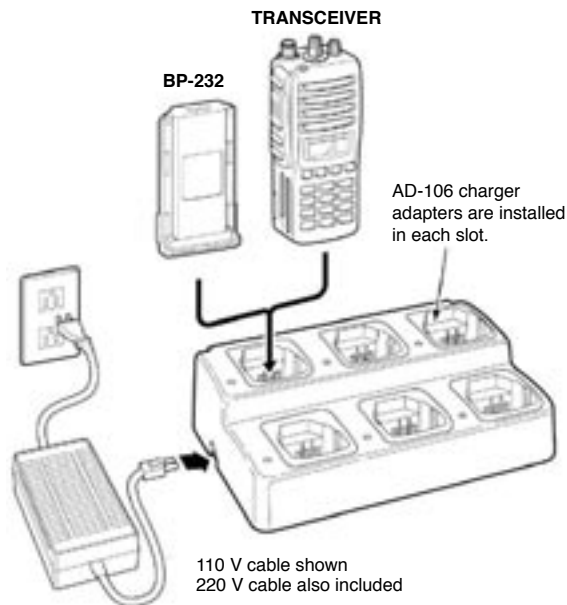
To access the batteries, push down on the hinged catch as shown, and pull up on the cover to reveal the batteries. This battery pack requires 6 AAA batteries, which are not included.



4 BASIC OPERATION

◇ About the BP-232 Lithium-ion Battery Pack

Before using the radio for the first time, the battery pack must be fully charged for optimum life and operation. Lithium-ion (Li-ion) battery life depends largely on the state of charge and temperature. High charge levels and elevated temperatures accelerate battery charge loss.



◇ Charging the Lithium-ion Battery Pack

Li-ion batteries differ from Nickel-cadmium (Ni-Cd) batteries in that it is not necessary to completely charge and discharge them to prolong the battery life. Therefore, charging the battery at intervals and not for extended periods is recommended.

◇ Rapid charging with the BC-121N F33G

The optional BC-121N F33G allows up to 6 Li-ion battery packs to be charged simultaneously. Recommended temperature range for charging: +10°C to +40°C (+50°F to +104°F). The charger also comes with the following:

- Six AD-106 adapter cups
- Power Supply (BC-124). This power supply operates at 110V or 220V. Cables are provided for both 110V and 220V operation. Use the cable that matches your operating power requirements. You do not need to switch voltage manually.

◇ About the Optional BP-240 AAA Battery Pack

The optional AAA battery pack is intended for field use, and cannot be recharged. The 6 individual AAA batteries in the battery pack must be replaced when batteries are depleted. AAA batteries are not included.

◇ Selecting Battery Pack Types

When switching between a **Lithium-ion battery pack (BP-232)** or a **AAA battery pack (BP-240)**, the radio must be set to recognize the new battery pack type. To switch the radio:

- ① Switch the radio power off.
- ② Remove the existing battery pack and install the other battery pack type.
- ③ Press and hold the **[Red Key]** while switching the radio power on. This toggles the radio to display `DRY BATT` or `LI-ION`. Toggle to `DRY BATT` when installing a AAA battery pack.

⚠ WARNING! Ensure that you toggle to `LI-ION` when installing a Lithium-ion battery pack. Failure to switch between battery types will result in limited radio performance.

Overview

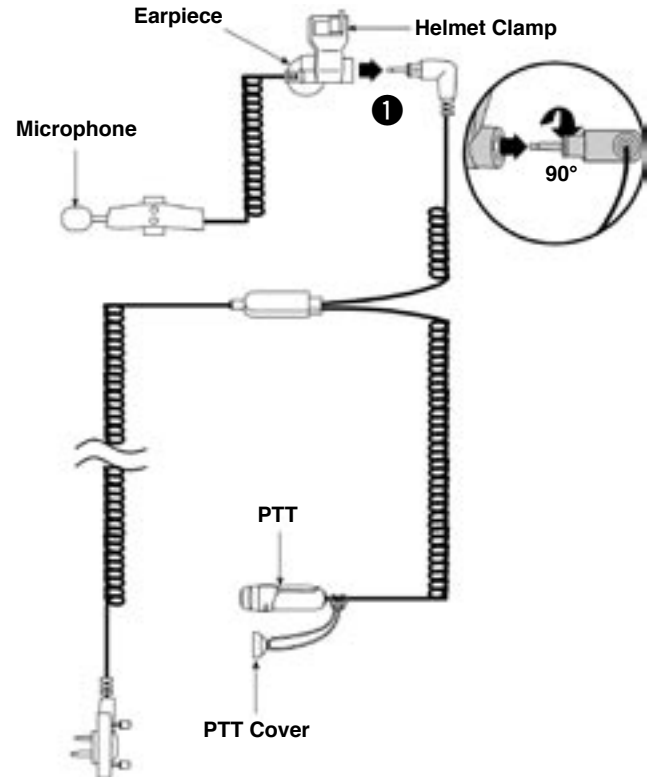
- Disconnect the Helmet Clamp and Microphone from the Headset Cable.
- Connect the Headset Cable to the Helmet Clamp.
- Connect the Radio to the Headset Cable.
- Position the Headset Cable.

The headset can be worn so that it does not interfere with either left-handed or right-handed shooting.

Detailed Steps

- ◇ Disconnect the Helmet Clamp and Microphone from the Headset Cable.

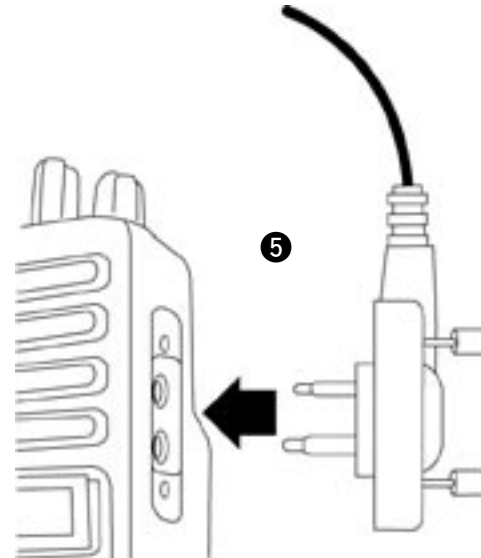
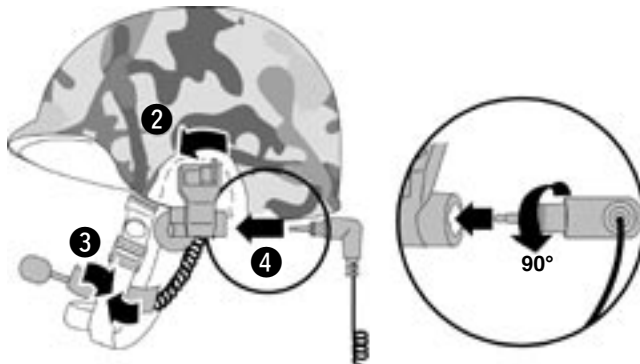
- 1 Rotate the connector 90° clockwise until it stops. Pull the connector straight out to disconnect.



- ❷ Open the latch on the Helmet Clamp. Pull up the camouflage fabric and slide the clamp on the rim of the helmet. Close the latch to clamp to the rim of the helmet. Position the earpiece by rotating and sliding.
- ❸ Wrap the microphone Velcro® strap around the chin strap. Bend the microphone boom next to your mouth.

◇ Connect the Headset to the Helmet Clamp

- ❹ Insert the Headset connector to the jack on the Helmet Clamp. Rotate 90° counter-clockwise to lock.



◇ Connect the Radio to the Headset Cable

- ❺ Insert the Headset connector to the radio speaker and microphone jack. Tighten screws.

⚡ **Note:** Once the Headset is connected to the radio, the [PTT] key and microphone on the radio are disabled.

5 HEADSET DONNING

◇ Position the Headset Cable

The Headset Cable can be worn inside your vest or shirt as shown. The Push To Talk [PTT] button can be worn inside your sleeve or clipped to your vest.

Push the [PTT] button to activate the microphone.


If the radio is switched on, it will be in monitor mode when not pushing the [PTT] button.

The headset is water-resistant.



◇ Troubleshooting Tips

A system that is not working should be checked by systematically swapping components to find the cause (i.e. Headset, Battery, Antenna.) Check the following table for more troubleshooting details.

Won't turn on	Ensure that the battery is charged (try swapping with a known charged battery).
Programmable keys don't work	Make sure the keys are not locked (press and hold the lock key (P3) until the lock symbol () disappears. Radio is not powered on. Turn the volume switch until the display indicates the radio is on.
Battery won't charge	Ensure that the radio is seated in the charger correctly. Ensure that the charging unit is plugged into the wall.
There is a delay in receiving transmission	Encryption will add a small level of delay to the receiving transmission.
Other radios are not receiving my transmission	Ensure that you are firmly pushing the PTT key. Ensure that you are in range of receiving radios.
Display light will not go on	The display has been deactivated in Set Mode. Repeatedly press the Red Key on top of the radio to navigate to LIGT (backlight). Use up/down keys to change the backlight setting.
Beginning of speech is garbled when in scramble mode.	Pause briefly between transmissions.

Notes

Notes

Count on us!