

MINI WALKIE TALKIE

MODEL OT-70/ F-700

OWNER'S MANUAL

INSTALLATION AND

OPERATING INSTRUCTIONS

PLEASE READ THIS
OWNER'S MANUAL
CAREFULLY BEFORE
USE. KEEP FOR
YOUR REFERENCE.



CAUTION: Do not use charger before inserting battery.

NOTE: Charge the Battery for approximately 12 hours before initial use.



Make certain you receive the
best performance from your
MINI WALKIE TALKIE
Read this Owner's Manual first.

Made in China

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Special Features

Congratulations on your selection of a quality **MINI WALKIE TALKIE Product**. With proper care and adherence to the set-up and user instructions in this Owner's Manual, this unit will provide you with years of trouble-free service.

The MINI WALKIE TALKIE is the newest generation in personal two-way communications. It's a lightweight, compact two-way communication device that can be used to stay connected with family or friends at parks, shopping malls, sporting events, concerts - virtually any indoor or outdoor activity.

PRODUCT FEATURES and CHARACTERISTICS

- Mini Walkie Talkie with interchangeable accessories.
- 38 CTCSS Codes
- Output Power : < 500 milliwatts
- Range: 2 Miles
- Call Melody Tone
- Calendar Date
- Stop Watch
- Clock Countdown
- Alarm Clock
- Power Battery Saving
- Internal VOX
- Channel Scan
- 12/24 Hour Mode
- Backlit LCD Screen

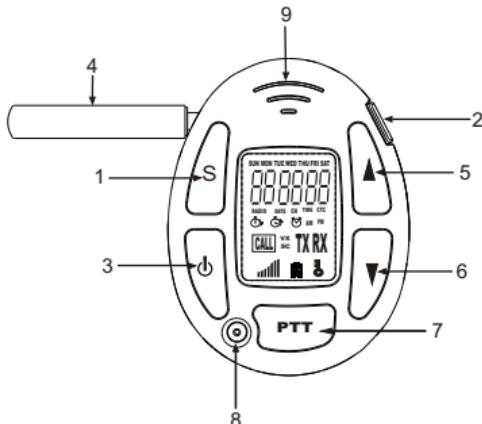
Power Source: 3.6V, 650mAh Lithium-ion Battery

Battery Life: Varies per user

NOTE: The maximum transmission range will vary depending on terrain and environment. Range will be greater in open fields, while range is shorter within and around buildings or large structures.

Mini Walkie Talkie Controls

Display Icon, LCD and Button Description



1. Set Button - Press to enter setting and Scan function
2. Headset/Charger Jack - Use for Hands free communication.
3. Power/Menu - Press and hold to turn the unit ON/OFF. A quick, single press to access the Menu and a Watch mode.
4. Antenna
5. UP Button - Adjust Volume level and makes channel and watch adjustments in Menu mode.
6. DOWN Button - Adjust Volume level and makes channel and watch adjustments in Menu mode.
7. PTT/CALL Button - Press and hold to transmit voice communication. Press and hold about 100 milliseconds to transmit CALL tones
8. Microphone
9. Speaker

NOTE: The LCD Screen emits light for 3 seconds everytime you press the  button.

Getting Started

Battery Installation

Your MINI WALKIE TALKIE is powered by a Lithium-Ion BATTERY.

To install and replace the BATTERY:

1. Release the BATTERY COMPARTMENT COVER LATCH located on the rear side of the unit, and pull up the BATTERY COMPARTMENT COVER (See Figure 1).
2. Install the Lithium-ion BATTERY into the BATTERY COMPARTMENT. Be certain to follow the correct orientation in the compartment. A battery installed incorrectly can prevent the unit from operating.
3. Replace the BATTERY COMPARTMENT COVER and lock the battery compartment cover latch into position.

NOTE: If you install/replace the BATTERY the LCD Screen remains blank for more than 3 seconds, press and hold the POWER/MENU button for 2 second to start WATCH mode.



Figure 1

▲ CAUTION:

To reduce the risk of personal injury, use only the battery listed in the Owner's Manual. The MINI WALKIE TALKIE has a built in POWER SAVER feature for maximum battery life. When the MINI WALKIE TALKIE is not being used, conserve battery power by setting the POWER SAVER To "On" Mode. Remove the battery if the unit will not be used for a long period of time.

Getting Started

Charging the Battery

Your MINI WALKIE TALKIE comes with an A/C ADAPTER CHARGER. To charge your Lithium-Ion BATTERY:

1. Lift the HEADSET/CHARGER JACK COVER located on the left side of your MINI WALKIE TALKIE (See Figure 1).
2. Connect the AC ADAPTER CHARGER into an AC outlet.
3. Insert the CHARGER PLUG into the HEADSET/CHARGER JACK, The LOW BATTERY LEVEL icon will flash until it is removed.

NOTE: Charge the BATTERY for approximately 12 hours before initial use.

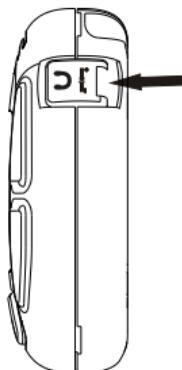
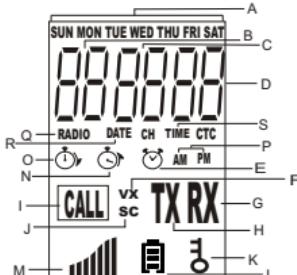


Figure 1

Getting Started

LCD Screen



A. Day display
B. Hour segment display
C. Minute segment icon in Watch mode. Channel number icon in Walkie Talkie mode.
D. Second segment icon in Watch mode. CTCSS channel number in Walkie Talkie mode.
E. - Alarm clock icon
F. vx - Display during the VOX mode
G. RX - Display when receiving signal
H. TX - Display when transmitting signal
I. - Display during Call melody tone mode.
J. sc - Display during the Channel Scan mode.
K. - Display when button lock is activated
L. - Display the Battery level charge
M. - Display the current volume level
N. - Clock Countdown icon
O. - Stopwatch icon.
P. -12 Hour mode icon
Q. RADIO - Display Radio icon during Walkie Talkie mode.
R. DATE - Display Date icon during Watch mode.
S. TIME - Display Time icon during Watch mode.

Getting Started

Turning the Unit ON

Press and hold the Power  button. The unit will "beep" and the LCD Screen will display the current channel.

Turning the Unit OFF

Press and hold the Power  button. The unit will "beep" and the LCD Screen will return back to Watch mode.

Adjusting Speaker Volume

- Press the UP  button to increase the Speaker Volume.
- Press the DOWN  button to decrease the Speaker Volume.
- The Speaker Volume level is indicated by the number of bars displayed in the lower corner of the LCD Screen.

Receiving a Signal

The unit is continuously in the RECEIVE mode when the unit is ON and not transmitting. When you receive a signal on the current channel, the RX icon is displayed. (See "LCD SCREEN" for details).

Transmitting a Signal

1. Press and hold the **PTT** button to **TRANSMIT**. The TX icon will display. Hold the unit in vertical position with the Microphone 2 to 3 inches from the mouth.
2. While holding the **PTT** button, speak into the unit using a normal tone of voice.
3. Release the **PTT** button when you have finished transmitting.

NOTE: *In order for other people to receive your transmission, they must also be on the same channel and CTCSS sub-channel you are currently using. Refer to the "Changing Channels" section for more information.*

Mini Walkie Talkie Operation

Changing CHANNELS

To change channels:

1. In Walkie Talkie mode, press the  button once, the current channel number flashes on the LCD Screen.
2. While the channel number is flashing:
 - Press the UP  button to move to a higher channel.
 - Press the DOWN  button to move to a lower channel.
3. Press the  button to confirm the channel setting.

NOTE: Refer to the "Channel Table" section of this Owner's Manual for detailed frequency listing.

Changing CTCSS Sub-Channels

Your Walkie Talkie has 38 available CTCSS sub-channels.

To change channels:

1. In Walkie Talkie mode, press the  button 2 times, the CTCSS sub-channel number flashes on the LCD Screen.
2. While the channel number is flashing:
 - Press the UP  button to move to a higher channel.
 - Press the DOWN  button to move to a lower channel.
 - The channel changes from 0 to 38, or from 38 to 0.
3. Press the  button to confirm the selected sub-channel.

NOTE: To communicate with other Walkie Talkie units, both units must be switched to the same channel and CTCSS sub-channel.

Mini Walkie Talkie Operation

CHANNEL SCAN

CHANNEL SCAN performs searches for active signals in an endless loop .

1. In Walkie Talkie mode, press the **S** button the LCD screen will display the channel and sub-channel number continuously changes. The unit will only stop until an active signal is detected.
2. When an active signal is detected, Channel **SCAN** pauses keeping the active broadcasted.
3. Press the **PTT** button to communicate through the active signal channel and **Channel SCAN** is deactivated.
4. When an active signal is detected, but another channel is desired, press the UP **▲** or DOWN **▼** button to bypass the current channel and continue to search for another active channel.
5. Press the **S** button to deactivate Channel **SCAN** mode.

VOX Selection

Your Walkie Talkie is capable of voice activated (VOX) transmission. In VOX mode, the radio will transmit a signal only when it is activated by your voice or other sound around you. VOX operation is not recommended if you plan to use your Walkie Talkie in a noisy or windy environment.

1. In Walkie Talkie mode, press the **Ø** button 3 times, the VX "Off" icon will blink on the LCD Screen.
2. Press the **▲** / **▼** UP/DOWN button to select VOX sensitivity. VOX sensitivity 1,2,3 or 4 can be selected on this unit.
4. In the VOX mode, the VX icon will be displayed.
5. Press the **S** button to confirm the setting and return to Standby mode.

NOTE: *On VOX mode, user can speak with their voice through the microphone to activate transmitting mode automatically.*

Mini Walkie Talkie Operation

Melody Call Tone Selection

This function will let user to select the desired Melody Call Tone.

1. In Walkie Talkie mode, press the  button 4 times, to select Melody Call tone mode.
2. Press the UP  or DOWN  button to select the desired Melody Call tone.
3. Press the  button to confirm the setting and return to Standby mode.

NOTE: Melody Call Tones is available up to 10 melody tones.

Power Saving Function

The unit has a built in Power saver feature to make the batteries last longer.

This function can help user to save battery life on their unit.

1. In Walkie Talkie mode, press the  button 5 times, to activate Power Saving function in Walkie Talkie mode.
2. Press the UP  button to switch to Power Saving On.
3. Press the DOWN  button to switch to Power Saving Off function.
4. Press  button to confirm the setting and return to Standby mode.

NOTE: If your Walkie Talkie set to standby mode and the Power Saver set to ON, the Walkie Talkie will automatically return back to Standby Watch mode after 20 minutes.

Mini Walkie Talkie Operation

Calendar Date Setting

This unit has been pre-set at the factory according to the country format where it is intended for use.

	(Field 1)	(Field 2)	(Field 3)
In Europe	DATE	MONTH	YEAR
In USA	MONTH	DATE	YEAR
Other Areas	YEAR	MONTH	DATE

To adjust this setting:

1. In WATCH mode, press the  button 2 times.
2. Press the  button and Field 1 will flash.
3. Use the UP  or DOWN  button to adjust.
4. Press the  button again to move to the next field. Repeat step 3.
5. When finish with Field 3, press the  button to confirm the setting.

Time Setting

This function allows user to adjust the Hour/Minute/Second setting.

1. In Watch mode, press the  button 3 times for Time setting.
2. Press the  button the Hour segment will flash.
3. Press the UP  or DOWN  button to set the hour.
4. To continue setting for Minute and Second, user will do the same step from number 2 to 3.
5. Press the  button to confirm the setting.

Stop Watch Setting

This feature is compatible to sports minded people.

For Stopwatch setting;

1. In Watch mode, press the  button 4 times to activate Stopwatch function.
2. Press the **PTT** button to start the Stopwatch function.
3. Press the **PTT** button again to stop the Stopwatch function.
4. Press the UP  or DOWN  button to reset the stopwatch.

Mini Walkie Talkie Operation

Clock Countdown

This function allows user to adjust the Clock Countdown setting

1. In Watch mode, press the  button 5 times to set the Clock Countdown function.
2. Press the  button the Minute segment will flash.
3. Press the UP  or DOWN  button to set the minute.
4. To continue setting for Seconds and Milliseconds, user will do the same step from number 2 to 3.
5. Press the  button to confirm the setting.
6. Press the **PTT** button to start or stop the Clock Countdown.
7. Press the UP  or DOWN  button to reset the Clock Countdown .

Alarm Clock Setting

To set for Alarm Clock function;

1. In Watch mode, press the  button 6 times to set the Alarm Clock function.
2. Press the  button the Hour segment will flash.
3. Press the UP  or DOWN  button to set the hour.
4. To continue setting for Minute and Second, user will do the same step from number 2 to 3.
5. Press the  button to confirm the setting.
6. Press the **PTT** button to ON/OFF the Alarm Clock setting.

NOTE: *If the unit is set to Alarm ON function the "Alarm" icon will display on the LCD, but when the unit is set to Alarm OFF function the "Off" icon will display on the LCD.
* To Stop the Alarm Clock tone, press the **PTT** button.
* Alarm Tone will last up to 60 seconds.

Key Lock Function

The unit have a Key Lock function, to activate;

1. In Watch mode, press the  button 7 times to activate Key lock function.
2. Press the  button to set the Key lock function
3. Press the UP  button to set the Key Lock On.
4. Press the DOWN  button to set the Key Lock Off.
5. Press the  button to confirm the setting.

NOTE: If Key Lock function is activated the "KEY icon" will display on LCD Screen. To deactivate the Key lock function press the  button at least 2 seconds.

Mini Walkie Talkie Operation

Clock Hour Mode

This function allows user to select Clock Hour mode.

1. In Watch mode, press the **O** button 8 times to activate the Clock Hour mode.
2. Press the **S** button to set the Clock hour into 12 hour or 24 hour mode.
3. Press the UP **▲** button to select the 24 hour mode.
4. Press the DOWN **▼** button to select the 12 hour mode.
5. Press the **S** button to confirm the setting.

NOTE: *In 24 hour mode there is no AM or PM icon will display on LCD Screen.*

Battery Capacity Level/Low Battery Indication

The Battery Charge Level is indicated by the number of squares present inside the Battery icon on the LCD Screen.

When the Battery Charge Level is low, the Battery icon will flash to indicate that the battery need to be replaced.

Do not charge this unit using an AC/DC Adaptor with regular batteries, use only the Battery Pack as specified on this manual.

To Charge your Walkie Talkie

To use this Walkie Talkie with an AC/DC adaptor and Li-ion Battery (both included) do the following instructions:

1. Plug the 5V/350mAh adaptor into the Charger Jack on the side of the Walkie Talkie and plug the Adaptor to the AC main socket.
 - A) It takes approximately 12 hours to fully charge the new battery.
 - B) For succeeding charging, you have to charge at least 5 hours.

NOTE: *The battery icon will flash whenever the charger plug is inserted, even if the battery is fully charged. Flashing will stop when the plug is removed.*

Accessories

To Assemble Other Accessories

This Mini Walkie Talkie have the following accessories wherein the user can select, such as;

- Wrist Band
- Belt Clip
- Pendant Loop

To Assemble Wrist band

1. Connect the Wristband holder on the back of unit as shown on Figure 1.
2. See Figure 2 for Wristband final assembly.

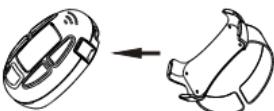


Figure 1

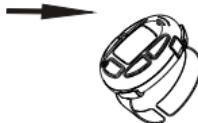


Figure 2

To Assemble Belt Clip

1. Connect the beltclip holder on the back of unit as shown on Figure 1.
2. See Figure 2 for BeltClip final assembly.

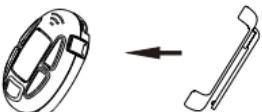


Figure 1



Figure 2

Accessories

To Assemble Pendant Loop

1. Insert the string into the hole on the top of unit as shown in Figure 1.
2. See Figure 2 for Pendant Loop final assembly.

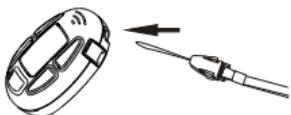


Figure 1



Figure 2

Troubleshooting

SYMPTOM	SOLUTION
No power.	<ul style="list-style-type: none">Check battery. Ensure that the battery are installed properly.The battery may be weak.Replace the old battery with new Li-ion 3.6V, 650mA.
Reception is weak.	<ul style="list-style-type: none">Press the UP  button to increase VOLUME.The receiving signal may be weak and/or out of range.
Cannot change CTCSS sub-channels.	<ul style="list-style-type: none">BUTTON LOCK mode must be deactivated if the BUTTON LOCK icon (key) is displayed on the LCD Screen.To change CTCSS sub-channels, press the  button until the CTCSS sub-channel number flashes on the LCD Screen.Press the UP  or DOWN  buttons to change the CTCSS sub-channels.Battery may be weak.
Range is limited.	<ul style="list-style-type: none">Battery may be weak.Replace with new battery if the BATTERY CHARGE LEVEL indicator is low.The maximum range will vary depending on terrain and environment.Open fields provide the maximum range, while steel/concrete structures, heavy foliage, and use in buildings and vehicles may limit the range significantly.Wearing the radio close to the body, such as in a pocket or on a belt, will decrease range; change the location of the radio.
Sound distortion problems.	<ul style="list-style-type: none">If you are transmitting, speak in a normal tone of voice, 2 to 3 inches away from the MICROPHONE.If you are receiving, lower the VOLUME to a comfortable level.Radios too close. Radios must be at least 5 feet apart; increase your distance.Radios too far apart. Obstacles interfere with transmission. Talk range is up to 2 miles in clear unobstructed conditions.

⚠ WARNING

Do not use any Walkie Talkie that has a damaged ANTENNA. If a damaged ANTENNA comes in contact with the skin, a minor burn may result.

Batteries

All batteries can cause property damage and/or bodily injury such as burns if conductive material such as jewelry, keys, or beaded chains touches exposed terminals. The material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

⚠ WARNING

For Vehicles with an AirBag

Do not place your Walkie Talkie in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If Walkie Talkie is placed in the air bag deployment area and the air bag inflates, the Walkie Talkie may be propelled with great force and cause serious injury to the occupants of the vehicle.

Potentially Explosive Atmospheres

Turn your Walkie Talkie OFF when in any area with a potentially explosive atmosphere, unless it is a type especially qualified for such use (for example, Factory Mutual Approved). Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Batteries

Do not replace or charge batteries in a potentially explosive atmosphere. Contact sparking may occur while installing or removing batteries and cause an explosion.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn your Walkie Talkie OFF near electrical blasting caps or in a "blasting area" or in areas posted: "Turn off two-way radio". Obey all signs and instructions.

NOTE: *Areas with potentially explosive atmospheres are often, but not always, clearly marked. They include fueling areas such as below deck on boats; fuel or chemical transfer or storage facilities; areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.*

Care and Safety

Care and Safety

To clean the unit, wipe with a soft cloth dampened with water. Don't use cleaners or solvents on the unit; they can harm the case and leak inside, causing permanent damage. Battery contacts may be wiped with a dry, lint-free cloth.

If the unit gets wet, turn it OFF and remove the batteries immediately. Dry the BATTERY COMPARTMENT with a soft cloth to minimize potential water damage. Leave cover off the BATTERY COMPARTMENT overnight or until completely dry. Do not use the unit until completely dry.

For Mini Walkie Talkie

- When transmitting with Walkie Talkie, hold the Unit in a vertical position with its MICROPHONE 1 to 2 inches (2.5 to 5.0 cm) from your mouth. Keep the ANTENNA at least 1 inch (2.5 cm) from your head and body.
- If you wear a Walkie Talkie on your body, ensure that the ANTENNA is at least one inch (2.5 cm) from your body when transmitting.

Electromagnetic Interference/Compatibility

Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility.

- Turn your unit OFF in any facilities where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.
- Turn your unit OFF when on board an aircraft when instructed to do so. Any use of the unit must be in accordance with airline regulations or crew instructions.

TALKING RANGE

For the optimum voicequality, keeping the distance over 1.5meters

		
Optimal range	Medium range	Minimal range
Talking range about 2km for flat, open areas and outdoor	Buildings or trees also near residential buildings	Dense foliage or mountains also inside some building

Specifications

Power Source:	3.6V, 650mAh Lithium-ion Battery
CTCSS Sub-channel	38 for each Channel
Output Power (TX)	< 0.5W
Range	About 2 Miles
Operating Temperature	-10C°-55C°

NOTE: The maximum transmission range will vary depending on terrain and environment.

SUB-CHANNEL TABLE

CTCSS Channel	Freq (Hz)	CTCSS Channel	Freq (Hz)	CTCSS Channel	Freq (Hz)
1	67.0	14	107.2	27	167.9
2	71.9	15	110.9	28	173.8
3	74.4	16	114.8	29	179.9
4	77.0	17	118.8	30	186.2
5	79.7	18	123.0	31	192.8
6	82.5	19	127.3	32	203.5
7	85.4	20	131.8	33	210.7
8	88.5	21	136.5	34	218.1
9	91.5	22	141.3	35	225.7
10	94.8	23	146.2	36	233.6
11	97.4	24	151.4	37	241.8
12	100.0	25	156.7	38	250.3
13	103.5	26	162.2	0	No Tone

CHANNEL TABLE

AMERICA FRS(1-14 CH.) GMRS(15-22CH.)

CH.	Freq.(MHz)	CH.	Freq.(MHz)
1	462.5625	12	467.6625
2	462.5875	13	467.6875
3	462.6125	14	467.7125
4	462.6375	15	462.5500
5	462.6625	16	462.5750
6	462.6875	17	462.6000
7	462.7125	18	462.6250
8	467.5625	19	462.6500
9	467.5875	20	462.6750
10	467.6125	21	462.7000
11	467.6375	22	462.7250

FCC WARNING

Replacement or substitution of transistors, diodes or other parts of a unique nature, with parts other than those recommended by the manufacturer, may cause a violation of the technical regulations of Part 15 of FCC Rules.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

GMRS LICENSE:

USE OF THIS RADIO WITHIN THE UNITED STATES REQUIRES AN FCC GMRS LICENSE. AN INDIVIDUAL 18 YEARS OF AGE OR OLDER, WHO IS NOT A REPRESENTATIVE OF A FOREIGN GOVERNMENT, IS ELIGIBLE TO APPLY FOR A GMRS SYSTEM LICENSE. YOU WILL NEED TWO FORMS FROM THE FCC: FCC FORM 159, AND FCC FORM 605 (MAIN FORM AND SCHEDULE F). YOU CAN FIND THE FORMS ONLINE AT: <HTTP://WWW.FCC.GOV/FORMPAGE.HTML>, OR CALL 1-800-418-3676.

SAFETY INFORMATION

Your wireless hand-held portable transceiver contains a low power transmitter. When the PTT button is pushed (or the VOX mode is enabled) it sends out radiofrequency (RF) signals. The device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless devices.

Important:

To maintain compliance with the FCC's RF exposure guidelines hold the transmitter at least 1 inch (2.5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away. If you wear the handset on your body while using the headset accessory, use only the Audiovox supplied carry clip for this product and ensure that the antenna is at least 1 inch (2.5 centimeters) from your body when transmitting. Use only the supplied antenna. Do not use your transceiver with a damaged antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.