Freetalker

Manual

Model No.: ☐F108 ☐F118 ☐F128

CONGRATULATIONS!

This communicator is the newest generation in personal two-way communications ,It' 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.
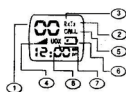
Here are some of the communicators excellent features:
-Wrist Watch Style with Adjustable Band
-Multi Channels(Channels depend on different countries)
-Up to 2.5 km Range
. Auto Squelch
-Auto Battery Saving
-Internal VOX
-Channel Scan
-12 Hour AM/PM Wristwatch
-Backlit LCD Display
-3 x AAA   Alkaline Batteries Power Source

Read this Owner's Manual carefully and you'll get the most out of your two-way wristwatch communicator.

NOTE:

Maximum range varies based on terrain and environment. It will generally be greater in open fields and shorter within and around buildings or large structures. Bear in mind, this unit may not ensure your privacy of communication.

LCD SCREEN

1. Channel Number-Displays current channel
2. Transmit Indicator (TX)-Indicates when unit is transmitting.
3. Receive Indicator (RX)-Indicates when unit is receiving transmissions
4. Volume Selection (8 Bars) – Shows current Volume setting.
5. Call Tone Transmission (CALL)-Indicates When unit is paging.
6. Battery Level indicator-Indicates when battery is low or when replacing the batteries
7. VOX-Indicates when unit is in VOX mode
8. 12-Hour Time (12:00)

BUTTONS and CONTROLS

9. Power/Menu (Multi Function)-Press and hold to turn unit ON/OFF. A quick, single press accesses the Menu and Watch setting.
10. PTT/CALL Button (Multi Function) – Press and hold to transmit voice communication. Press twice in a rapid action to transmit call tone.
11. Up-Adjusts volume level (default), and makes channel and watch adjustments in Menu mode.
12. Down-Adjusts volume level (default), and makes channel and watch adjustments in Menu mode.
13. Scan-Press to enter Channel Scan.
14. MIC-Built-in speaker.
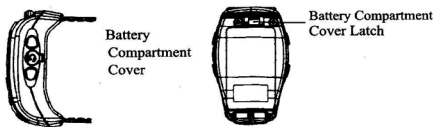15. Speaker-Built-in speaker
16. Antenna

This device complies with telecommunication management standard. Operation is subject to the following conditions:

-This device may not cause harmful interference.
-This device must accept any interference received, including interference that may require undesired action.
Important: Changes or modifications to this unit not approved by manufacturer , could void your right to operate this unit. Your communicator is set up to transmit a regulated Signal on an assigned frequency. It is against the law to alter or adjust the settings inside the communicator to exceed those limitations. Any adjustment to your communicator must be made by qualified technicians.

TO BE SAFE AND SURE

-Never open your communicator's case.
-Never change or replace anything in your communicator except the battery.
Your communicator may interfere with TVs or radios, even when operating properly. To determine whether your communicator is causing interference, simply turn it off. If the interference ends, you communicator is causing it. Try to eliminate interference by moving your communicator away from the receiver. If you cannot eliminate interference completely, please stop using this device.

Battery Compartment Cover

Battery Compartment Cover Latch

NOTE:
The communicator comes with internal battery protection; however, during long-term storage, it is strongly recommended that you remove the batteries if the unit will not be used for a long period of time.

Battery Level and Low Battery Operation
In Watch and Communicator Mode the Low Battery Level icon will not appear on the display unless the unit detects that the battery is low. The unit has a Low Battery Level icon which will appear when it detects a low battery level in Communicator Mode, and in Watch Mode. When the unit is in Communicator Mode and the battery level is low the icon will appear for approximately 15 seconds and then will automatically change to Watch.

Navigating through the Menu
To access the advance features, your communicator has a Menu with two functions.

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Watch Mode
1.To enter or exit watch Mode, press the Power key for around 3 seconds. A long keybeep tone is locally generate (after a short keybeep tone) when the unit goes into Watch Mode and the LCD will display the time segments and battery icons for the watch.

Communicator Mode.
1. Your communicator will automatically go to communicator Mode once the battery is installed, the watch segments and channel icons will be displayed on the LCD during this mode. Press the Menu key for about 3 seconds to enter the Watch Setting Mode; a short keybeep tone will be locally generated when the Time Setting mode is engaged.
2. In Communicator Mode, if presses of the Menu key for no longer than 1 second will advance you through the menu until exiting to communicator mode. A short keybeep tone is generated at each key press.
3. Menu mode exits to standby mode when the Menu key is pressed while the final menu selection is active.
4. The unit automatically times out of Menu mode and enters Watch mode In 10 seconds.

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            ┌─────────────┐
            │  Menu Key   │
            └──────┬──────┘
                   ↓
┌────────────┐        ┌──────────────────┐
│ Watch Mode │ ←───→  │ Communicator Mode│
└────────────┘        └──────────────────┘

  ┌──────────────────┐      ┌─────────┐
  │ Communicator Mode│ ───→ │ Channel │
  └──────────────────┘      └─────────┘
                                 │
  ┌────────────────┐  ┌───────────────┐  ┌─────┐
  │ Minutes(Watch) │←─│ Hours(Watch)  │←─│ VOX │
  └────────────────┘  └───────────────┘  └─────┘
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NOTE: In Watch Mode, no button/key will function unless pressing menu key for about 3 seconds to enter Communicator Mode.

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To set the Time
Your Communicator has a 12-hour (AM/PM) Time Clock, which can be set as follows:
1. In Communicator mode, enter to Menu mode by pressing the Menu key repeatly unitil a short key-beep tone is heard. When the Setting mode is engaged, the Hour segment in the LCD Display will flash.
2. Press the Up or Down key to increase or decrease the Hour number displayed, a short keybeep tone is generated at each key press. The Time Setting will cycle within 12 am and 12 pm . To engage auto-repeat, press and hold the Up or Down key.
3. Advance thru the Menu by pressing the Menu key briefly until the Minutes segment is flashing, A short keybeep tone will be generated.
4. Press the Up or down key to increase or decrease the Minutes number displayed, a short keybeep tone is generated at each key press. To engage auto-repeat, press and hold the Up or Down key.
5.Exit the Menu mode to return to Communicator Mode, by pressing the Menu key briefly or the unit will automatically time out of Menu mode and enter communicator Mode about 10 seconds after the last key is pressed. Your communicator has a built in Menu function that makes accessing its advanced features easy.

Choosing a Channel
Your Communicator has multi Channels for communicating with others. To choose one:
1. In Communicator Mode, press the menu key briefly a keybeep tone is locally generated and the Channel number on the LCD Display will flash.
2. Press the Up or Down key to reach higher or lower Channels, Auto-repeat is engaged by pressing and holding either the Up or Down Key, you'll hear a standard key beep with each channel change.
3. To exit the Menu, press the PTT/CALL Button.

Channel Scan
To scan the whole channels of the Communicator for any activity:
1. Press the Scan key found on the side of the unit. Once engaged, the unit will start to rapidly scan the whole channels of the communicator for any activity. The unit will pause on an active channel for 4~5seconds before resuming Scan function.
2. To exit the Scan mode, press the PTT/CALL button.

Transmitting and Receiving
To use your communicator to communicate with others:
1. In Communicator Mode, the unit is continuously in RECEIVE mode.
2. Press and hold the PTT/CALL Button and speak as you normally would holding the microphone about 2~3inches away from your mouth.
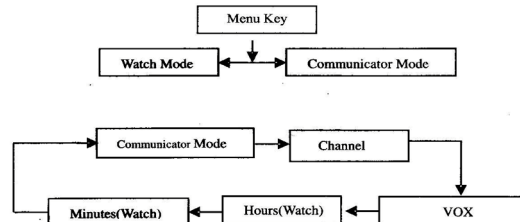
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3. When you are finished speaking, release the PTT/CALL Button. You are now ready to receive incoming transmissions. While receiving transmission, the R X icon appears on the display.

Sending a Call Alert Tone
To send a Call Alert Tone, Press the PTT/CALL Button twice in a rapid action. The Call Alert Tone will be automatically transmitted for a factory-set fixed length of time. During transmission, the Call icon appears on the display. You'll hear a brief Call Alert Tone to confirm operation. The communicator returns to standby mode when the Call Tone sequence is complete. For optimum performance, make sure the ANTENNA is pointing upright.

Voice Operated Transmission(VOX)
Your communicator is equipped with an adjustable Voice Operated Transmitter (VOX) that can be used for automatic voice transmission. In this convenient mode, transmission is automatically initiated by speaking into the microphone. There is no need to push the PTT/CALL Button.

To adjust VOX level:
1. Enter to Menu mode. Advance through the Menu until the VOX icon appears on the display.
2. Press the Up or Down key to toggle between on and Off function of the VOX. When VOX feature is on , the VOX icon will appear on the LCD display.
To exit the Menu, press the PTT/CALL Button.

To get the full advantage of the convenience of a hands free transmission and the privacy of conversation, you can optionally use an Ear Bud with Microphone to be used in conjunction with the VOX feature of your communicator.

To use the Ear Bud:
1. Set your communicator to VOX Mode.
2. Lift the headset/Charger jack Cover Located at the side of your unit .
3. Insert the Ear Bud Jack into the headset Jack. Wear the Ear bud and adjust the Microphone location.

The Auto Squelch Feature
Your communicator is equipped with an automatic squelch system that automatically cuts off weak transmissions and unwanted noise due to terrain conditions and range limitations.

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The Automatic Power Save Feature
Your communicator has a unique circuit designed to dramatically extend battery life. If it senses no transmission within 5 seconds, it automatically switches to power save mode. The communicator can still receive transmission in this mode.

The Backlit Display Feature
Your unit's LCD backlight display automatically lights up for 5 seconds with the press of any key.

PROBLEM	SOLUTION
No power	·Check the battery. Ensure that the battery is installed Properly. ·Battery may be weak. ·Your battery may be damaged. Replace old Batteries with 3 x AAA Alkaline batteries.
Weak Reception	·Press the UP button to increase VOLUME. ·The receiving signal may be weak and/or out of range. ·Check the antenna position. For optimum performance. Make sure the antenna is pointing upright.
Cannot Change Channels	·To change channels, press the MENU key until the channel Number flashes on the LCD Screen. ·Press the UP or DOWN key to change channel. ·Battery may be weak.
Range Is limited	·Battery may be weak ·Recharge battery if the BATTERY LEVEL indicator is low. ·Range varies depending on terrain and environment ·Open fields provide maximum range; steel/concrete Structures, heavy foliage, and operation in buildings and In vehicles may significantly limit range ·Check the antenna position. For optimum performance make sure the antenna is pointing upright.
Sound distortion	·When transmitting, hold MICROPHONE 2 to 3 inches From mouth and speak normally. ·When receiving, lower volume to a comfortable level. ·Communicators must be at least 10 feet apart; increase your Your distance. .Communicators are too far apart. Obstacles interfere with Transmission. Talk range is up to 1.5 miles in clear unobstructed conditions.

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Hazardous Environments: Do not operate the communicator in hazardous environments , explosion or fire may result.
Do not operate the communicator near unshielded electrical blasting caps. Under certain conditions, communicators can interfere with blasting operations and may cause an explosion. Turn your communicator to the OFF position to prevent accidental transmission when in a blasting area or in areas posted : "Turn off two-way radios." Construction crews often use remote control RF devices to set off explosives.

CARE AND SAFETY
To clean your communicator, use a soft cloth dampened with water. Do not use cleaners or solvents; they can harm the body of the unit and leak inside, causing permanent damage. Use a dry, lint-free cloth to clean the battery contacts. Do not submerge the unit in water. If the unit gets wet, turn it off and remove the battery immediately. Dry the battery compartment with a soft cloth to minimize potential water damage. Leave the battery compartment cover off overnight to ensure complete drying. Do not use the communicator until the unit is completely dry.

Safety Information
Your wireless hand-held portable transceiver contains a low power transmitter. When the PTT/CALL Button is pushed, it sends out radio frequency (TX) signals. This device is authorized to operate at a duty factor not to exceed 50%.
Important Note: To maintain good communication quality, hold the transmitter and ANTENNA at least 1 inch (2.5 centimeters) from your face and speak in a normal voice

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Use only supplied ANTENNA. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate telecom regulations.

Battery Installation
Your communicator is powered by 3 x AAA Alkaline batteries (included).To install and replace batteries:
1. Release the Battery Compartment Cover Latch located on the rear side of the unit, and remove the cover from Battery Compartment.
2. Install the 3 x AAA Alkaline batteries 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 Cover and lock the battery Compartment Cover Latch into position.

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SPECIFICATIONS

Power Source	3 x AAA Alkaline batteries
Output Power (TX)	0.3W ERP maximum
Battery Life	Varies per user
Range	About 2.5 km

Channel and Frequency (MHz) Chart**

P.R. China (20ch)

Ch.	Frequency	Ch.	Frequency	Ch.	Frequency	Ch.	Frequency
1	409.7500	7	409.8250	13	409.9000	19	409.9750
2	409.7625	8	409.8375	14	409.9125	20	409.9875
3	409.7750	9	409.8500	15	409.9250		
4	409.7875	10	409.8625	16	409.9375		
5	409.8000	11	409.8750	17	409.9500		
6	409.8125	12	409.8875	18	409.9625		

USA(22ch)

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

Europe(8ch)

Ch.	Frequency	Ch.	Frequency	Ch.	Frequency
1	446.00625	4	446.04375	7	446.08125
2	446.01875	5	446.05625	8	446.09375
3	446.03125	6	446.06875		

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