



General Mobile Radio Service (GMRS) Model : GMRS672



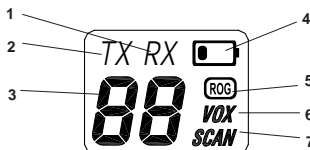
Owner's Manual



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Product Information, Photos,
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128-8033

Model GMRS672 DISPLAY



- 1. Busy Indicator:** This icon appears when the unit is receiving a transmission.
- 2. Transmit Indicator:** Icon appears when the unit is in the transmit mode (PTT button activated or VOX mode active).
- 3. Large Segment Display:** Indicates the channel number in use.
- 4. Battery Level Indicator:** Icon indicates the battery charge level.
- 5. Roger Beep Tone Indicator:** This icon appears when the Roger Beep tone is on, and disappears when the tone is not in use.
- 6. Voice Activated Transmission (VOX) Indicator:** This function allows hands-free conversation. The icon appears when the VOX mode is activated.
- 7. Scan Indicator:** This function allows the user to scan a channel every 0.5 second to search for a valid signal.

Equipment and Accessories Supplied

- | | |
|--------------------------|------------|
| 1. Radio (2) | GMRS672 |
| 2. Owner's Manual (1) | 128-8033 |
| 3. Detachable Carry Clip | GMRS6BCLIP |

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CAUTION

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 radio frequency (RF) signals. The device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commissions (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.

Performance:

Your transceiver will only achieve its maximum operating range when communicating with other transceivers across open and flat areas or between elevated points. Normally occurring environmental factors such as buildings, trees, terrain and weather, or interference from other radio or electrical equipment, may have adverse effects on the transceiver's effective range. These are not indicative of a fault condition.

Avoid placing the GMRS672 radio transceiver for prolonged periods of time in direct sunlight or temperatures below -4 F (-20 C) or above 140°F (60°C).

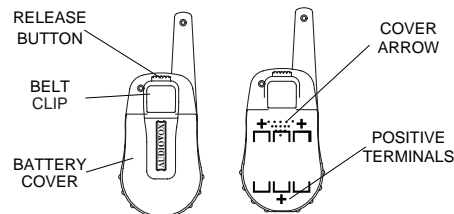
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Powering the transceiver:

Your GMRS672 radio transceiver operates on three AAA Alkaline batteries. Alkaline batteries will provide slightly better performance than rechargeable batteries. Only Audiovox approved rechargeable batteries should be recharged in the radio transceiver using the charging accessories. This will ensure optimum performance for the GMRS672. Battery charging time is typically 16-20 hours for full charge.

Installing the batteries:

Press down with the thumb at the embossed arrow, slide the battery cover down and lift it away from the compartment. Insert three AAA batteries (alternate positive ends (+) toward the top of the transceiver, starting left-to-right).



- Using thumb, press down on battery cover at arrow and slide cover down to open.
- Then lift cover at bottom to open. Remove cover.
- Insert three AAA batteries (positive (+) end toward the top beginning at left side and alternating positive terminals as shown).

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WARNINGS:

Battery Care

Never attempt to charge alkaline or dry cell batteries, as batteries may burst causing personal injury and damage to the product.

Battery Disposal

In general, if handled improperly, batteries pose a risk of fire or burns. Do not disassemble, crush, puncture, short external contacts, or dispose of the batteries in fire or water. Dispose of the batteries in a environmentally safe manner and recycle whenever possible.

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.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.

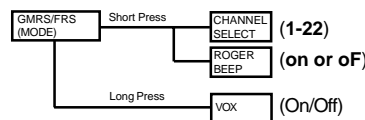
GMRS LICENSE:

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](http://www.fcc.gov/formpage.html), OR CALL 1-800-418-3676.

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GMRS672 OPERATIONAL MODES



NOTE: Refer to the appropriate section of this manual for detailed operating instructions for each mode.

Controls:

Power On-Off/SCAN Button (6)

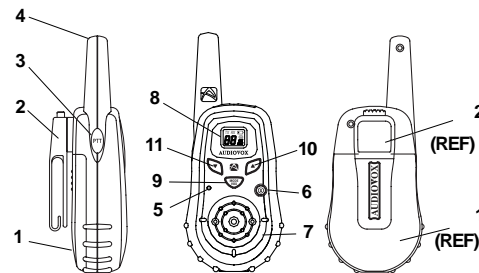
Press and hold the PWR on/off button () for at least 2 seconds. You will hear a confirming melody to indicate the unit is on. To turn the unit off, press and hold the button for at least 2 seconds. When the unit is powered on, press this button momentarily to enable or disable the scan mode; the scan icon (SCAN) will appear when enabled.

Adjusting the Volume (10,11)

With the unit powered on, press the Up Channel/Volume button () to increase volume and the Down Channel/Volume button () to decrease volume. The display will indicate the current volume level () followed by the number (1-7).

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Model GMRS672 (FCC License Required)



- | | |
|--|---------------------------------|
| 1. Battery Cover | 7. Built-in Speaker |
| 2. Detachable Carry Clip | 8. Liquid Crystal Display (LCD) |
| 3. Push-To-Talk (PTT) and Function Confirmation Button | 9. MODE/ VOX Button |
| 4. Antenna | 10. Up Channel/Volume Button |
| 5. Built-in Microphone | 11. Down Channel/Volume Button |
| 6. Power On/Off and SCAN Button | |

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Push To Talk (PTT) Button (3)

Pressing and holding this button will allow you to speak to any transceiver that is set to the same channel as yours. Hold the transceiver approximately 1 to 2 inches from your face as you speak into the built in microphone (5). After you have finished speaking, release the PTT Button to allow reception of incoming signals. It is not possible to transmit and receive at the same time. Whenever the button is pressed, the transmit signal icon (**TX**) will appear in the upper left corner of the display. Releasing the button allows the unit to revert to standby mode. When receiving an incoming signal, the **RX** icon will appear.

The PTT Button can also be used as a two-way call ringer. Pressing the button twice quickly will call another party on the same channel. The transmit icon (**TX**) will be displayed for 3 seconds and then disappear.

Up Channel/Volume Button (10)

In the standby mode, pressing this button will increment the listening volume. When in function edit mode this button will be used to adjust the unit's settings.

Down Channel/Volume Button (11)

In the standby mode, pressing this button will decrement the listening volume. When in function edit mode this button will be used to adjust the unit's settings.

MODE Button (9)

This button is used to select various feature settings in the GMRS and FRS modes.

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Operating Modes and Features

GRMS/FRS Operation:

- Press and hold the Power On/Off button for 2 seconds to turn on power.
- Press the MODE button so the Channel number flashes.
- Select the desired channel with the Up (10) and Down (11) Buttons. When receiving a call, the **RX** icon appears to indicate an incoming call.
- Press and hold the PTT button (3) to transmit, then speak into the microphone clearly and slowly.
- Release PTT Button (3) to receive.
- Communication can only be accomplished when the channel of at least two parties are the same.

Channel Selection

In order to communicate with other GMRS/FRS units, both the transmitting and receiving party must be on the same frequency. The GMRS672 has 22 channels (frequencies) indicated by the large digits on the LCD display panel. Channels 1 through 7 are the shared GMRS/FRS channels. Channels 8-14 are FRS only channels, while channels 15-22 are assigned GMRS only channels. Communication with Audiovox GMRS/FRS and compatible units is possible on these 22 channels.

To change the channel:

- From GMRS/FRS standby mode, press the MODE button (9) once; the channel number flashes.
- Press the Up Button (10) briefly to move to the next higher main channel number.
- Press the Down Button (11) briefly to move to the next lower main channel number.

Troubleshooting

Problem	Possible cause	Correction
No transmission while pressing the PTT Button	Weak batteries Incorrect battery polarity	Replace batteries Install the batteries using the directions for correct battery installation.
Weak or no signal received	Weak batteries	Replace batteries
	Channel not set the same as target transceiver	Adjust the transceiver's settings to match those settings of the target transceiver
	Volume level too low PTT Button inadvertently depressed	Increase volume level Release PTT Button
	Excessive radio interference on a particular channel Obstruction of radio signal	Change to a different channel Avoid operating in or near large buildings or vehicles
	Batteries extremely discharged	Replace batteries
Unit beeps, but will not function when turned on		
Reception of unwanted signals	Interference from electronic devices such as computers or TVs	Turn the devices off or move farther away from them.

VOX Selection Mode

This option enables you to have hands-free conversation. When using the internal microphone/speaker, your voice or the signal is detected and the radio transmits and receives automatically. Your voice or nearby sound is detected and the radio transmits without the need to press the PTT button.

To set the radio for VOX operation:

- From GMRS/FRS standby mode, press and hold the MODE button for 2 seconds, or until the VOX icon appears on the display.
- To terminate VOX operation, press and hold the MODE button for at least 2 seconds; the VOX indication will disappear.

Channel Scan Operation

This feature allows you to monitor all channels automatically for valid signals. While scanning, you can transmit and receive. When a signal is received, the scan is interrupted and will return to scan mode approximately 5 seconds after reception is terminated.

NOTE: While the scan function is active, the MODE/VOX button will be unresponsive. The scan mode will reduce the overall battery life since the battery save function is overridden.

To enable the channel scan mode:

- From GMRS/FRS standby mode, momentarily press the Power (S) Button; (SCAN) will appear on the LCD display.
- The radio will display each channel (1-22) in ascending order as the scan mode operates to find an active main channel.
- If the unit doesn't find any signals and you want to transmit, press the PTT button to return to home channel operation. The transceiver will automatically resume scanning approximately 5 seconds after the communication is completed.
- If there is no activity and you want to leave the scan mode, press the S button momentarily and the unit will return to normal operation; the SCAN icon will disappear from the LCD display.

Technical Specifications:

General

Frequency Range:

Channels 1 through 7 are shared with FRS radios. Refer to frequency chart on next page.

Channels 8 through 14 are FRS only. Refer to frequency chart on next page.

Channels 15 through 22 are GMRS only. Refer to frequency chart on next page.

Channel Spacing 12.5kHz
Dimensions (W x H x D) 1.96" W x 3.31" H x 1.10" D
(Without Antenna) (49.8 mm x 84.0 mm x 28.0 mm)

Power Supply

Power Source Alkaline Batteries, AAA (3), 4.5 VDC

Operating Time (Transmit: Receive: Standby) 30 hours

(5: 5: 90 ratio)
(Based on alkaline batteries)

Receiver

Useable Sensitivity > -119 dBm

Maximum Audio Output Power > 0.25 Watt maximum (8 Ohm)

Modulation Distortion < 5% (1 kHz 70%)

Transmitter

RF Output Power 0.5 Watt maximum

Maximum Deviation +/- 2.5 kHz

Modulation Distortion < 5% (1 kHz 70%)



Button Beep (Key Tone)

This feature allows the transceiver to sound a confirmation tone whenever the following keys are pressed: Power On/Off/SCAN Button, Up/Down Buttons and MODE Button. This feature is always on.


Roger Beep Tone

The Roger Beep is a tone which is automatically transmitted whenever the PTT button is released and the tone is enabled. This tone alerts the receiving party that the transmission has been terminated intentionally

To enable and disable the Roger Beep tone:

- From GMRS/FRS standby mode, press the MODE Button 2 times until the flashing Roger Beep icon () appears with on or off.
- Press the Up or Down Button to select the tone on or off as desired.
- When enabled, the tone icon () appears steady on the display.
- Press the PTT button momentarily to confirm selection.

Battery Alert

When the battery icon () blinks on/off at 7-second intervals, as shown on the LCD panel, recharge or install fresh batteries.

NOTES FOR GOOD COMMUNICATION

1. The 22 channels of the GMRS672 are shared on a 'take turns' basis. This means other groups may be talking on any of the channels. A common code of ethics/courtesy is to switch to another vacant channel and not to attempt to talk over someone who is already using the channel you first selected.
2. The GMRS672 has been designed to maximize performance and improve transmission range in the field. To avoid interference, it is recommended that you do not use the units closer than 5 feet apart.
3. For best transmission results, always keep your mouth about 2-3 inches from the microphone (5) and speak slowly in a normal voice.
4. To increase battery life, use the SCAN feature sparingly. This feature will reduce operating time considerably.

This transceiver complies with FCC regulations for use in the United States of America. Use in other countries may be prohibited or restricted by local regulation. Please check with the local regulating agency before using this device outside the United States of America.

Main Channel Frequencies:

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

NOTE: Channels 1 through 7 are shared with FRS radios.

Channels 8 through 14 are FRS only.

Channels 15 through 22 are GMRS only.

Warning

- Do not operate the transceiver unless you are licensed to do so.
- Remove the batteries from the transceiver if it is not expected to be used for long periods. This will eliminate the possibility of chemicals leaking from the batteries and corroding the transceiver.
- Avoid exposing the transceiver to water or extremes of temperature.
- Do not use this device in or near a mining facility, which uses remotely triggered explosives or in areas labeled "Blasting Area". Premature or accidental detonation may result.
- Do not attempt to modify or in any way increase the output of this transceiver. Its output is designed to meet the legal limits set by the FCC.
- Do not use this device or change its batteries in potentially explosive atmospheres as sparks in such areas could result in an explosion.
- Turn your transceiver off wherever posted notices restrict the use of radios or cellular telephones. Facilities such as hospitals may use equipment that is sensitive to RF energy.
- Turn your transceiver off on board aircraft when requested to do so.
- Do not place your radio in front of a vehicle's air-bag. If the air-bag deploys, it could propel the transceiver like a projectile causing bodily injury.

90 DAY LIMITED WARRANTY

Applies to Audiovox Family Radio and General Mobile Service Products.

AUDIOVOX CORPORATION (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 90 days from the date of original purchase, such defect(s) will be repaired or replaced with new or reconditioned product (at the company's option) without charge for parts and repair labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the warranty center at the address shown below.

The Company disclaims liability for communications range of this product.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 12 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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