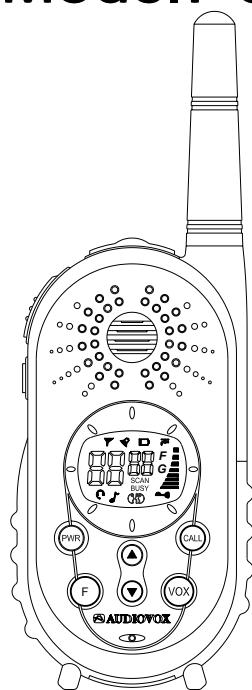




General Mobile Radio Service (GMRS)
Model: GMRS1100-2CH

Owner's Manual



For Customer Service
Visit Our Website At
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Product Information, Photos,
FAQ's, Owner's Manuals

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Customer Service
1-800-290-6650

Released: 3-12-02.

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CAUTION

NEVER ATTEMPT TO CHARGE ALKALINE OR DRY CELL BATTERIES, AS BATTERIES MAY BURST CAUSING PERSONAL INJURY AND DAMAGE TO THE PRODUCT. WHEN RECHARGING NICKEL METAL HYDRIDE (Ni-MH) BATTERIES WITH THE SUPPLIED AUDIOVOX CHARGER AND WALL ADAPTER, USE ONLY AUDIOVOX-APPROVED RECHARGEABLE BATTERIES. USE OF THE AUDIOVOX CHARGER WITH OTHER BRANDS OF BATTERIES IS NOT RECOMMENDED, AS BATTERY CHARGING TIMES WILL VARY WITH DIFFERENT BRANDS. REFER TO THE MANUFACTURER'S INSTRUCTIONS FOR CHARGING OTHER BRANDS OF BATTERIES.

AVOID PLACING THE GMRS1100-2CH RADIO TRANSCEIVER FOR PROLONGED PERIODS OF TIME IN DIRECT SUNLIGHT OR TEMPERATURES BELOW -4° F (-20° C) OR ABOVE 140° F (60° C).

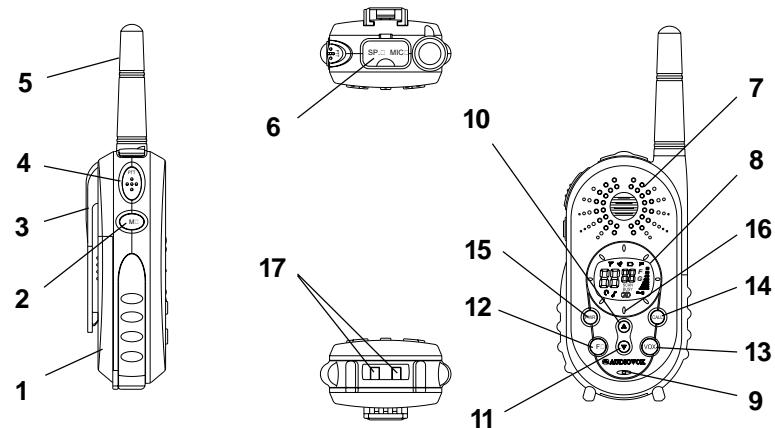
KEEP THE ANTENNA AT 1 INCH (2.5 cm) AWAY FROM YOUR HEAD AND BODY. DO NOT USE YOUR GMRS1100-2CH RADIO TRANSCEIVER WITH A DAMAGED ANTENNA.

PLACE THE RUBBER COVERS ON JACKS WHEN NOT IN USE.

GMRS LICENSE:

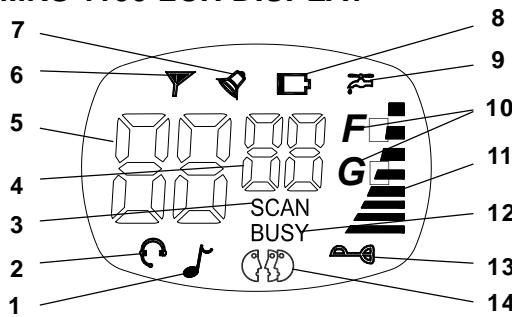
USE OF THIS RADIO WITHIN THE UNITED STATES REQUIRES AN FCC GMRS LICENSE. AN INDIVIDUAL 18 YEARS OF AGE OR OLDER, WHO IS NOT A REPRESENTATIVE OF A FOREIGN GOVERNMENT, IS ELIGIBLE TO APPLY FOR A GMRS SYSTEM LICENSE. YOU WILL NEED TWO FORMS FROM THE FCC: FCC FORM 159 AND FCC FORM 605 MAIN FORM AND SCHEDULE 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.

Model GMRS1100-2CH (FCC License Required)



- 1. Battery Cover
- 2. Monitor/Function Confirmation Button
- 3. Detachable Carry Clip
- 4. Push-To-Talk (PTT) and Function Confirmation Button
- 5. Antenna
- 6. External Speaker(SP.)/Microphone (MIC) Jacks
- 7. Built-in Speaker
- 8. Liquid Crystal Display (LCD)
- 9. Built-in Microphone
- 10. Up Channel/Volume Button
- 11. Down Channel/Volume Button
- 12. Function (F) Button
- 13. VOX Select Button
- 14. CALL/Function Confirmation Button
- 15. Power (PWR) On/Off Button
- 16. Combination Transmit Indicator (Red)/Receive and Monitor Indicator (Green)
- 17. Battery Charging Contacts

Model GMRS 1100-2CH DISPLAY



- 1. Beep Tone Indicator:** Icon appears when beep button confirmation tone is selected; icon disappears when tone is off.
- 2. Voice Activated Transmission (VOX) Indicator:** This function allows hands free conversation. The icon appears when the VOX mode is active.
- 3. Scan Indicator:** This function allows the user to scan a channel and/or a tone code every .5 second to search for a valid signal.
- 4. Small Segment Display:** Indicates the CTCSS tone code (1-38) function is active for the main channel in use.
- 5. Large Segment Display:** Indicates the channel number in use between 1 and 22.
- 6. Transmit Indicator:** The icon appears when the PTT button is pressed to initiate a transmission.
- 7. Transmit Call Indicator:** Icon appears when the CALL button is pressed to alert the receiving party that a transmission is about to occur.
- 8. Battery Level Indicator:** Icon indicates the battery charge level.
- 9. Power Saver Indicator:** This icon appears when the unit is in the power saver mode due to idle time caused by transmit/receive inactivity.
- 10. F/G Indicators:** When an FRS only channel is being used, the **F** icon appears; when an FRS/GMRS, or GMRS only, channel is being used, the **G** icon appears.

11. Volume Level Graph: The number of bars (1-8) indicates the volume level (8 indicates loudest) selected during transmit/receive operation.

12. Busy Indicator: This icon appears when there is activity on the channel selected for use.

13. Key Lock Indicator: Icon appears when the keypad is locked. This function disables keys such as channel up/down and MODE.

14. Dual Watch Mode Indicator: Icon appears when dual watch mode is active.

Equipment and Accessories Supplied

1. Radio (2)	GMRS1100-2CH
2. Owner's Manual (1)	128-6297
3. Batteries (8)	Rechargeable NiMH
4. Dual Desk-Top Charger	DTC1100-2CH
5. AC Wall Adapter	SBAC02

Powering the transceiver:

Your GMRS1100-2CH radio transceiver operates on four AAA batteries. Alkaline batteries will provide slightly better performance than rechargeable batteries. Only the supplied Audiovox-approved rechargeable batteries can be recharged in the radio transceiver using the supplied desk-top charger and associated wall adapter. This will ensure optimum performance for the GMRS1100-2CH. Battery charging time is typically 10-12 hours. Use of the Audiovox charger with other brands of batteries is not recommended as battery charging times will vary. Refer to the manufacturer's instructions for charging other brands of batteries.

Batteries

There are three methods of powering the GMRS1100-2CH:

1. Alkaline Batteries.

WARNING: Do not attempt to recharge Alkaline batteries.

2. Audiovox Rechargeable Ni-MH Batteries - (Rechargeable Ni-MH batteries, Wall Adapter and Charging Stand included).

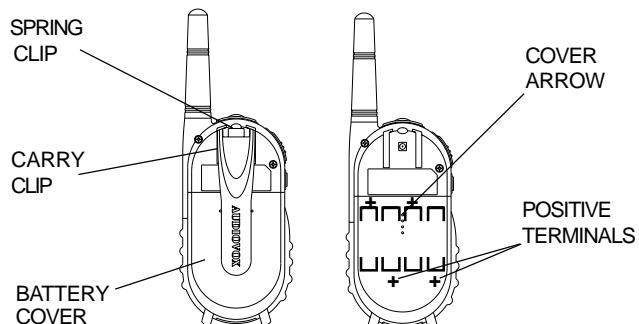
Use only Audiovox-approved rechargeable batteries and charger when charging batteries internal to the unit.

NOTE: To extend battery life, avoid overcharging the batteries.

3. Various Brands of Rechargeable Batteries - Use of the Audiovox charger with other brands of rechargeable batteries is not recommended, as battery charging times will vary with different brands of batteries. Refer to the manufacturer's instructions for charging other brands of batteries.

Installing the batteries:

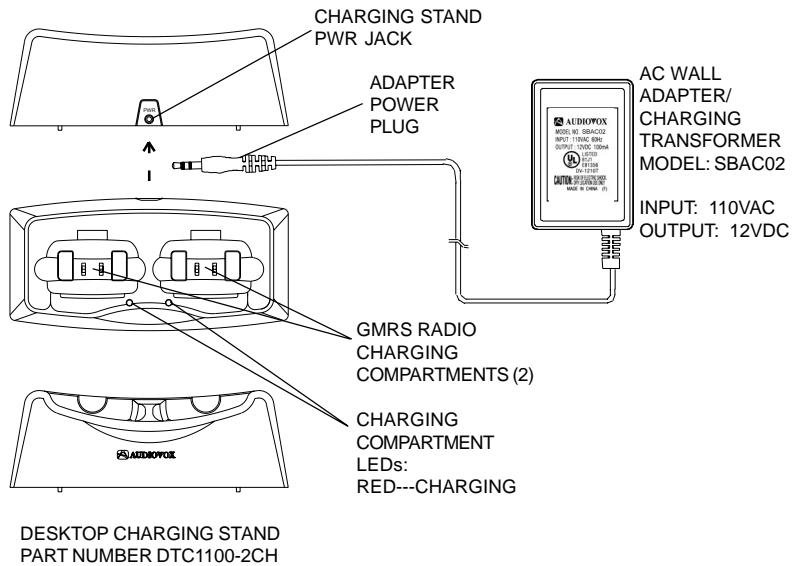
Battery installation is made more convenient when the carry clip is removed. To do this, release the spring clip securing the belt clip to radio and slide the belt clip upward and away from the radio body. Next, press down with the thumb at the embossed arrow, slide the battery cover down and lift off the battery cover. Insert four AAA batteries (alternate positive ends (+) toward the top of the transceiver, starting left-to-right.



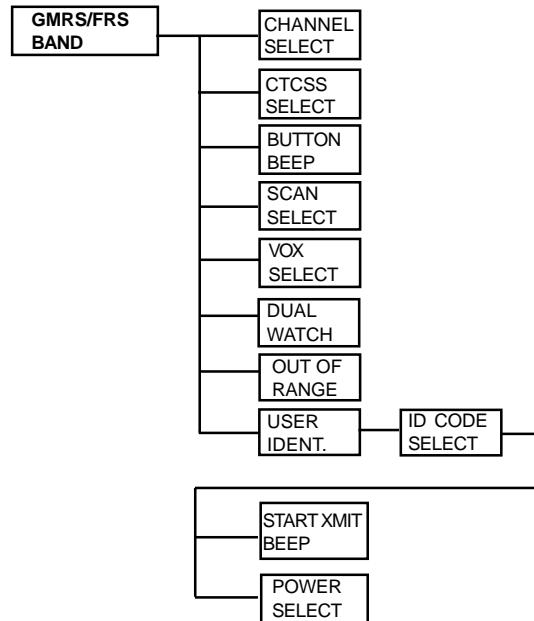
1. Using thumb, press down on battery cover at arrow and slide cover down to open.
2. Slide the cover down and then lift cover at bottom to open. Remove cover.
3. Insert four AAA batteries (positive (+) end toward the top beginning at left side and alternating positive terminals as shown).

The following guidelines will improve performance and provide longer operating times for the GMRS1100-2CH:

1. Do not mix old and new batteries.
2. The use of alkaline-type batteries is recommended to provide the longest operating time.
3. Do not mix alkaline, standard (carbon-zinc) or rechargeable batteries.
4. If the unit is not to be used for an extended period of time, remove the batteries. Old or leaking batteries can cause damage to the unit and will void the warranty.



GMRS1100-2CH OPERATIONAL MODES



Controls:

Power (PWR) On/Off (15) Button

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.

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 by the number of segments (1-8) appearing in the bar graph on the right side of the LCD. When the minimum and maximum volume settings are reached, a unique tone will sound.

Monitor Button (2)

This button is used to check activity on the current frequency before transmitting. Check activity by pressing the Monitor (M) Button longer than 2 seconds; the **BUSY** indication will appear on the display, the LED at the bottom center of the display panel will light **green** and you will hear static if the frequency is clear. ***Do not transmit if you hear conversation.*** Hold down the Monitor Button again longer than 2 seconds; the **BUSY** indication will disappear from the display and the **green** LED will extinguish. The monitor function will temporarily bypass the squelch setting and play all signals on a given channel. This feature is useful when communicating with other parties at extreme range.

By pressing the monitor button momentarily, the LCD backlight is turned on; the LCD backlight will turn off automatically in about 5 seconds, unless the monitor button is pressed momentarily once again.

Push To Talk (PTT) Button (4)

Pressing and holding this button will allow you to speak to any transceiver that is set to the same channel and privacy code setting as yours. Hold the transceiver approximately 1 to 2 inches from your face as you speak into the built in microphone (9). 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. The dual Transmit/Monitor LED (16) at the bottom center of the LCD Panel (8) will light **red** while the PTT Button is pressed and the transmit icon () in the upper left corner of the display will appear. Releasing the button allows the unit to revert to standby mode. When receiving an incoming signal, the Transmit/Monitor LED indicator will light **green**. Whenever the PTT Button is pressed, the LCD backlight will come on and remain for about 5 seconds.

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. Pressing this button will also cause the LCD backlight to come on for about 5 seconds.

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. Pressing this button will also cause the LCD backlight to come on for about 5 seconds.

Function (F) Button (12)

This button is used to select various feature settings in the GMRS and FRS modes. Holding the Function button longer than 2 seconds will engage the auto keylock function.

External Speaker (SPK)/Microphone (MIC) Jacks (6)

This set of jacks accepts an Audiovox headset/microphone connector. For additional optional equipment and accessories for the GMRS1100-2CH, visit the Audiovox web site at www.audiovox.com.

VOX Button (13)

Press this Button momentarily to enable or disable the VOX mode. When enabled, the VOX icon () will appear, and the VOX sensitivity level can be set to the low, mid or high setting as desired. Refer to VOX Sensitivity Selection settings later on in this manual.

CALL Button (14)

Press the CALL button to automatically alert a receiver to a transmission on the selected channel; a call melody will sound, the **red** transmit LED will light and the call icon () will appear for about 3 seconds.

Operating Modes and Features

GMRS/FRS Operation:

- From GMRS/FRS standby mode, press and hold the PWR button for 2 seconds to turn on power.

- Press the Function (F) button so the Channel number flashes.
- Select the desired channel with the Up (10) and Down (11) Buttons; then press the PTT button to confirm selection (automatic confirmation occurs 10 seconds later). When receiving a call, the Monitor section of the Transmit/Monitor LED (16) lights **green**.
- Press and hold the PTT button (4) to transmit, then speak into the microphone clearly and slowly. The Transmit section of the Transmit/Monitor LED (16) lights **red**.
- Release PTT Button (4) to receive.
- Communication can only be accomplished when the channel and CTCSS tone frequency of at least two parties are the same.
- The CTCSS sub-channel number will be displayed on the LCD panel if the tone frequency function is enabled.

Channel Selection

In order to communicate with other GMRS/FRS units, both transmitting and receiving party must be on the same frequency.

The GMRS1100-2CH has 22 channels (frequencies) (1-22) 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. If an FRS only channel (8-14) has been selected, the **F** icon will be displayed on the LCD panel; otherwise, for channels 1-7 (GMRS/FRS) and 15-22 (GMRS only) the **G** icon will be displayed. Communication with Audiovox GMRS/FRS and compatible units is possible on these 22 channels. Before transmitting on the selected channel, press the Monitor (M) Button (2) to check the activity on that channel. If there is activity on the selected channel, change to another channel that is clear.

To change the channel:

- From GMRS/FRS standby mode, press the Function button (12) until 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.
- Press the PTT, Monitor or CALL button momentarily to confirm selection.

CTCSS Mode (Sub-Channel) Selection

Coded Tone Controlled Squelch System (CTCSS) with 38 Sub-Frequencies. This feature allows you to utilize the coded squelch tones (1-38) within a main channel and enables you to communicate with another party on the same main channel using the same subcode. (This filters out unwanted transmissions without the same coded squelch tone). Since there are 38 CTCSS Sub-channels for each main channel, a different subcode may be selected for each of the 22 channels.

To change the CTCSS Sub-channel:

- From GMRS/FRS standby mode, press the Function Button twice; a flashing **oF** or sub-channel number is displayed.
- Press the Up or Down button to select the desired sub-channel for use (1-38).
- Press the PTT, Monitor or CALL button to confirm selection.

The CTCSS mode can be turned off by selecting the **oF** icon as the setting.

NOTE: To communicate with other GMRS/FRS units, they must be switched to the same channel and CTCSS subcode. To communicate with other GMRS units that do not have subcodes, switch your unit to the same channel with the subcode set to **oF**.

The CTCSS subcodes do not prevent others from hearing your transmission. This will only allow you to ignore all traffic on a given channel not using the same subcode.

Key Tone and Roger Beep Tone

The Roger Beep is a tone which is automatically transmitted whenever the PTT button is released. This tone alerts the receiving party that the transmission has been terminated intentionally. The key tone feature allows the transceiver to sound a confirmation tone whenever the following keys are

pressed: Up/Down Buttons, Function (F) Button, VOX Button or the PWR (off) Button.

To turn the key tones and Roger Beep tone on or off:

- From GMRS/FRS standby mode, press the Function Button three times until the tone () icon, and **On** or **oF** flash on the LCD display.
- Press the Up or Down Button to toggle the key tone feature On or Off.
- Press the PTT, Monitor or CALL button to confirm selection.

When the key tone (and Roger Beep tone) features are on, the tone icon appears steady on the display, and the beep tones sound in response to button activation. When the beep tones are turned off, they again become active automatically after several key presses.

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 4 seconds after reception is terminated.

NOTE: 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, press the Function Button four times; **SCAN** will appear flashing on the LCD display.
- Press the Up button to scan each channel (1-22) in ascending order, or press the Down button to scan each channel in descending order. The scan mode thus operates to find an active main channel.
- When unit doesn't find any signals and you want to transmit, press the PTT Button to return to primary channel operation. The transceiver will automatically resume scanning approximately 15 seconds after the communication is completed.
- If there is no activity and you want to leave the scan mode, press the Function button momentarily and the unit will return to normal operation; the **SCAN** icon will disappear from the LCD display.

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VOX Sensitivity Selection

This option enables you to set the VOX sensitivity level during hands-free conversation. The VOX mode is selected using the VOX button, and operates at this preset sensitivity.

To set the VOX sensitivity level:

- From GMRS/FRS standby mode, press the Function button five times; **UL** and **L1**, **L2** or **L3** flashes on the display, together with the flashing VOX icon ().
- Press the Up or Down button to select the desired VOX level (**L1** (low), **L2** (mid) or **L3** (high)). Use **L1** (most sensitive) when background noise is quiet, and use **L3** (least sensitive) when background noise is loud.
- Momentarily press the PTT, Monitor or CALL button to confirm the VOX sensitivity selection.

Normally, the VOX sensitivity level can be left at the mid-range setting of L2.

Dual Watch Mode

This feature allows you to monitor two channels at the same time. While in dual watch mode, the unit will continuously monitor both the primary and dual watch channel. Received signals will be heard for 5 seconds, then the unit will resume scanning the two channels. Pressing the PTT button during a received transmission will set the unit to transmit on the same channel. Pressing the PTT button when no signal is received will set the unit to transmit on the primary channel.

To set the Dual Watch Mode:

- From GMRS/FRS standby mode, press the Function button six times; the **dU** icon appears on the display together with a flashing channel number and the dual watch icon (). If the dual watch mode is off, the flashing channel number indicates **0**.
- To enable the dual watch mode, press the Up or Down button; the dual watch channel number will flash and start to increment up or down as the Up or Down button is pressed.

- Press the PTT, Monitor or CALL button to confirm selection of the dual watch channel. The display will now alternate between the primary channel and the dual watch channel just selected.
- To cancel the dual watch mode, repeat the first two steps, but set the dual watch channel to **0**. Press the PTT, Monitor or CALL button to confirm the selection.

Out of Range Alert Indication

The GMRS1100-2CH provides an Out-of-Range alert feature whenever reception is no longer intelligible or too weak to be discernible. This condition occurs at a signal strength below the squelch level. The lack of signal strength causes the unit to emit an alert beep, reminding you that you are outside the range of the unit, or that signal reception is being obstructed by natural or man-made objects.

To enable the Out-of-Range Alert:

- From the GMRS/FRS standby mode, press the Function button seven times; **Or** appears on the display, together with a flashing **On** or **OF** indication.
- To enable the feature, press the Up or Down button to select **On**; then press the PTT, Monitor or CALL button to confirm the selection.
- To turn the feature off repeat the first step and then select **OF**.

Caller Identification (ID) and Call Melody Select

The caller ID function allows you to assign an ID code between 1 and 9, accompanied by a unique call tone; this code and tone accompanies your transmission whenever you call another party, and will appear at the receiving unit, provided it has caller ID capability.

To select a caller ID code and/or tone for your unit:

- From GMRS/FRS standby mode, press the Function button eight times; **Cd** appears, together with a flashing **On** or **OF** indication.

- If **oF** appears, and no caller ID is desired, press the Function button once again to access the flashing call melody number. Then use the Up or Down Button to select the desired call melody between **1** and **9**. As each code selection appears, it causes a sample call tone to play. Stop at the desired call tone.
- Press the PTT, Monitor or CALL button to confirm selection.

If you wish to assign a caller ID:

- Use the Up or Down button to select **On** when **Cd** appears; then press the Function button again to select the desired call ring number using the Up or Down buttons. Your ID will now appear as **C4**, for example, depending on the call melody you select. As you step through the ID codes between **1** and **9**, as each code selection appears, it causes a sample call tone to play. Stop at the desired code number and tone.
- Press the PTT, Monitor or CALL button to confirm selection.

Now, your caller ID number and call tone will accompany each transmission, and will appear/sound on the receiving unit, if so equipped, and vice-versa.

Start Transmit Beep Melody Selection

The start transmit beep melody, when enabled, automatically sounds whenever you initiate a transmission. This melody can only be heard at your unit; not at the receiving unit.

To enable the start beep melody:

- From the GMRS/FRS standby mode, press the Function button 10 times; **Sb** and a flashing **On** or **oF** indication appears on the display.
- Press the Up or Down button to select the **On** indication; then press the PTT, Monitor or CALL button to confirm selection.

To verify the start transmit melody, press the PTT button momentarily; the transmit melody will sound, the transmit icon () will appear and the **red** transmit LED will light.

Transmit Power Selection Mode

This feature permits selection of the transmitting power level to high (1.4 watts) or low (0.5 watt). (**FRS channels 1-7 operate on 0.5 Watt only.**) Using low power, the unit will have a lower transmit range, but battery life will be increased.

NOTE: You will find that for the majority of your needs, the low-power setting will provide adequate communications on all channels; there should seldom be any need to use high power, except in situations where you need absolute maximum range. Using low power will greatly extend battery life. We suggest you experiment with switching between low and high power. However, we do recommend that you **not change** this setting unless it proves to be necessary in your particular situation.

To access the transmitter power selection function:

- From GMRS/FRS standby mode, press the MODE Button 11 times until the **tP** indication appears with a flashing **Hi** or **Lo** indication on the display.
- Press the Up or Down button to toggle between the High and Low selections.
- Press the PTT, Monitor or CALL button to confirm selection.

Call Ring Button

The transceiver provides 9 user-selectable call ringer melodies to alert the remote receiver to an incoming call. Any one of these melodies can be selected whenever you select your personal caller ID code and/or call ring melody as previously explained.

To select your favorite call ringer melody:

- From the GMRS/FRS standby mode, establish an appropriate caller ID and/or call ring melody as outlined previously for **Caller Identification (ID) Select.**

- Press and release the CALL Button to hear the selected call ring; note that the call ID number (e.g.; **C2**), call icon () and the **red** LED transmit indicator appear on the display for approximately 3 seconds.

When the caller ID function is disabled, then:

- Press the CALL button; note that no call ID number is displayed, but that the previously selected call melody sounds, and the call icon and **red** transmit LED indicator appears on the display as before.

VOX Button

Pressing the VOX button enables the VOX mode, whereby hands-free conversation is possible. When using the internal microphone/speaker or external microphone/headset (**purchased separately**), your voice or the signal is detected and the radio transmits and receives automatically.

Auto Key Lock Selection Mode

This feature prevents accidental channel change to the preferred settings of the unit. The Auto Key Lock function temporarily disables the Up, Down and Mode Buttons. Press and hold Button for more than 1 second to lock or unlock the key pad, except PTT and Monitor (M). When the keypad is locked, the () icon will display in the lower right corner.

To access the Auto Key Lock feature:

- From GMRS/FRS standby mode, press and hold the Function Button for over 2 seconds to Lock the Auto Key function; the () icon appears on the display.
- The PTT and Monitor Buttons are not effected.
- To unlock the Auto Key function, press and hold the Function button for at least 2 seconds; the icon () disappears from the display.

Battery Alert

When the battery icon () blinks on the LCD panel, recharge unit or install fresh batteries. If the batteries are not replaced the () icon will appear and an audio tone will sound to warn the user that the batteries must be replaced.

NOTES FOR GOOD COMMUNICATION

- 1 . The GMRS1100-2CH 22 channels 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 GMRS1100-2CH 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 (9) and speak slowly in a normal voice.
4. To increase battery life, avoid features such as Scan, Dual Watch and Weather Alert. These features will reduce operating time considerably.

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.

Troubleshooting

Problem	Possible cause	Correction
No transmission while pressing the PTT Button	Weak batteries Incorrect battery polarity	Charge or replace batteries Install the batteries following the directions in paragraph Installing the Batteries.
Weak or no signal received	Weak batteries	Charge or replace batteries
	Channel and privacy code 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
Unit beeps, but will not function when turned on	Batteries extremely discharged	Charge or replace batteries
Reception of unwanted signals	CTCSS privacy mode not on	Turn on the CTCSS privacy mode and set code number to match the setting of the target transceiver.
	Interference from electronic devices such as computers or TVs	Turn the devices off or move farther away from them.

Technical Specifications:

General

Frequency Range:	Refer to frequency chart on next page.
Channels 1 through 7 are shared with FRS radios.	
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
Privacy Codes	38 for each main channel
Dimensions (W x H x D) (Without Antenna)	2.125 W x 4.0 H x 1.325 D (54.0 mm x 101.6 mm x 33.6 mm)

Power Supply

Power Source	Alkaline Batteries, AAA (4), 6 VDC Ni-MH rechargeable, AAA (4), 4.8 VDC, 650 mAh
Operating Time (Transmit: Receive: Standby) (5: 5: 90 ratio) (Based on alkaline batteries)	30 hours Low Power 14 hours High Power

Receiver

Useable Sensitivity	>-119 dBm
Maximum Audio Output Power	> 0.3 Watt maximum (8 Ohm)
Modulation Distortion	< 5% (1 kHz 70%)

Transmitter

RF Output Power	.8 Watts ERP maximum (high power) 0.23 Watts ERP maximum (low power)
Maximum Deviation	+/- 2.5 kHz
Modulation Distortion	< 5% (1 kHz 70%)

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 of 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.

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Continuous Tone Coded Squelch System Tone Frequencies (in Hz)

CTCSS	Freq. Hz	CTCSS	Freq. Hz
1	67.0	20	131.8
2	71.9	21	136.5
3	74.4	22	141.3
4	77.0	23	146.2
5	79.7	24	151.4
6	82.5	25	156.7
7	85.4	26	162.2
8	88.5	27	167.9
9	91.5	28	173.8
10	94.8	29	179.9
11	97.4	30	186.2
12	100.0	31	192.8
13	103.5	32	203.5
14	107.2	33	210.7
15	110.9	34	218.1
16	114.8	35	225.7
17	118.8	36	233.6
18	123.0	37	241.8
19	127.3	38	250.3

* oF = No Tone

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.

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