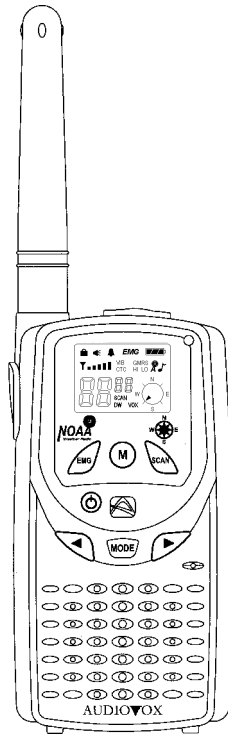




**General Mobile Radio Service (GMRS)  
Model: GMRS-1545**



**Owner's Manual**

Customer Service  
1-800-290-6650



## CAUTIONS

NEVER ATTEMPT TO CHARGE ALKALINE OR DRY CELL BATTERIES. WHEN RECHARGING, USE ONLY AUDIOVOX APPROVED RECHARGEABLE BATTERIES AND CHARGER. USE OF THE CHARGER WITH OTHER BATTERIES WILL CAUSE DAMAGE TO YOUR GMRS-1545 RADIO TRANSCEIVER. OTHER TYPES OF BATTERIES MAY BURST CAUSING PERSONAL INJURY.

AVOID PLACING THE GMRS-1545 RADIO TRANSCEIVER FOR PROLONGED PERIODS OF TIME IN DIRECT SUNLIGHT OR TEMPERATURES BELOW -4° F (-20° C) OR ABOVE 140° F (60° C).

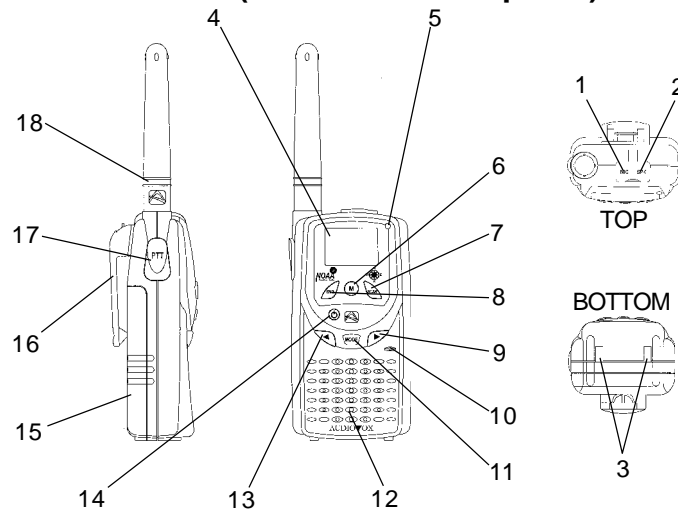
KEEP THE ANTENNA AT 1 INCH (2.5 cm) AWAY FROM YOUR HEAD AND BODY. DO NOT USE YOUR GMRS-1545 RADIO TRANSCEIVER WITH A DAMAGED ANTENNA.

PLACE THE RUBBER COVERS ON JACKS WHEN NOT IN USE.

### **GMRS LICENSE:**

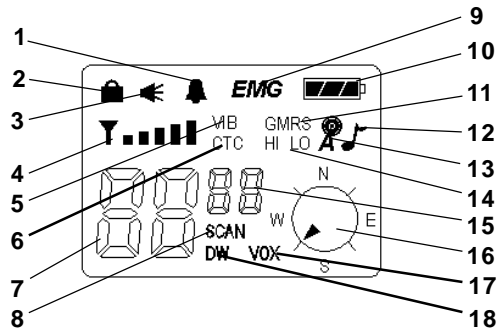
USE OF THIS RADIO WITHIN THE UNITED STATES REQUIRES AN FCC GMRS LICENSE. AN INDIVIDUAL 18 YEARS OF AGE OR OLDER, WHO IS NOT A REPRESENTATIVE OF A FOREIGN GOVERNMENT, IS ELIGIBLE TO APPLY FOR A GMRS SYSTEM LICENSE. YOU WILL NEED TWO FORMS FROM THE FCC; FCC FORM 159 AND FCC FORM 605 MAIN FORM AND SCHEDULE 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 GMRS-1545 (FCC License Required)



- |   |                                |
|---|--------------------------------|
| 1. External Microphone (MIC)/Battery Charger (CHG) Jack                       | 10. Built-in Microphone        |
| 2. External Speaker (SPK) Jack  | 11. MODE Button                |
| 3. Battery Charging Contacts  | 12. Built-in Speaker           |
| 4. Liquid Crystal Display (LCD)   | 13. Down Channel/Volume Button |
| 5. Combination Transmit Indicator (Red)/Receive and Monitor Indicator (Green) | 14. Power On/Off Button        |
| 6. Monitor(M)/Backlight Button  | 15. Battery Door               |
| 7. SCAN/Lock Button   | 16. Detachable Belt Clip       |
| 8. Emergency (EMG) Call Button  | 17. Push-To-Talk (PTT) Button  |
| 9. Up Channel/Volume Button   | 18. Detachable Antenna         |

## Model GMRS-1545 DISPLAY



1. **Beep Tone Indicator:** Icon appears when beep button confirmation tone is selected; icon disappears when tone is off.
2. **Key Lock Indicator:** Icon appears when the keypad is locked. This function disables keys such as channel up/down and MODE.
3. **Monitor Indicator:** Icon appears when the Monitor (**M**) button is pressed and the channel monitor function is activated.
4. **Signal Strength Indicator:** Icon appears when a signal is being received. The icon consists of five bars to indicate the received signal level. The icon also represents transmit signal power during transmission.
5. **Vibrator Call Indicator:** Icon appears when unit vibrates in response to a call from another party.
6. **Coded Tone Controlled Squelch System (CTC) Indicator:** Icon appears when the CTCSS tone function is active.
7. **Large Segment Display:** Indicates the channel number in use.
8. **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.
9. **Emergency Indicator: EMG** Icon appears when the EMG button is pressed. (The frequency is NOT monitored by authorities).
10. **Battery Level Indicator:** Icon indicates the battery charge level.

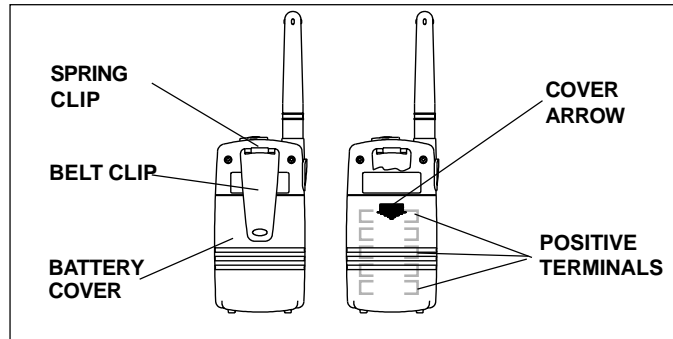
11. **GMRS Indicator:** Icon is visible when radio is in GMRS mode, as opposed to weather mode.
12. **RogerBeep Tone On/Off Indicator:** This icon appears when the Roger Beep tone is on, and disappears when tone is not in use.
13. **Weather Mode Indicator:** Icon will be on steady when in the weather band mode. The icon will blink when in the GMRS mode with the alert active.
14. **Hi/LO Indicators:** Appropriate icon appears when the transmit power is set to desired output power level.
15. **Small Segment Display:** Displays the CTCSS tone option in the channel from (00-38).
16. **Compass Indicator:** Continuously displayed; icon blinks when outside magnetic interference is compromising accuracy.
17. **Voice Activated Transmission (VOX) Indicator:** This function allows hands free conversation. The icon appears when the VOX mode is activated.
18. **Dual Watch Mode Indicator:** Icon appears when dual watch mode is active.

#### **Powering the transceiver:**

Your GMRS-1545 radio transceiver operates on five AA batteries. Alkaline batteries will provide slightly better performance than rechargeable batteries. Only Audiovox-approved rechargeable batteries can be recharged in the radio transceiver using the optional charging stand, or the AC/DC wall charging adapter (supplied).

#### **Installing the batteries:**

Battery installation is made more convenient when the belt clip is removed. To do this, release the spring clip securing the belt clip to radio and slide the belt clip downward and away from the radio body. Next, press down with the thumb at the arrow, slide the battery cover down and lift off the battery cover. Insert five AA batteries (alternate positive (+) ends). Position batteries in accordance with polarities indicated by the battery tray.

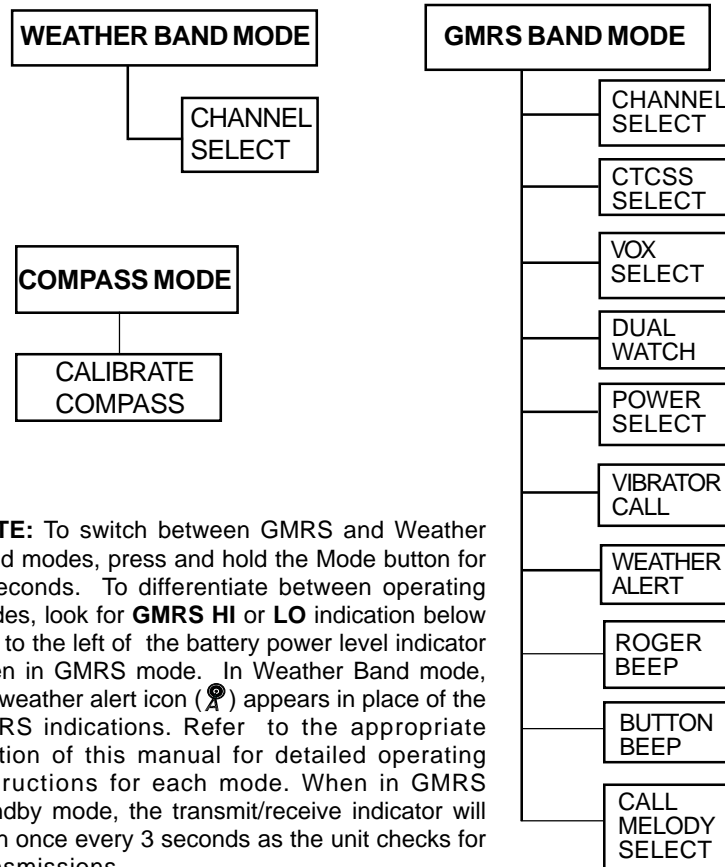


1. Compress spring clip between thumb and forefinger and slide entire belt clip down and off unit.
2. Using thumb, press down on battery cover at arrow; slide cover down, lift off and remove.
3. Insert five AA batteries with positive (+) end of top, middle and bottom batteries oriented as shown, or insert type NiMH rechargeable batteries.

The following guidelines will improve performance and provide longer operating times for the GMRS-1545:

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.


## GMRS-1545 OPERATIONAL MODES





**NOTE:** To switch between GMRS and Weather Band modes, press and hold the Mode button for 2 seconds. To differentiate between operating modes, look for **GMRS HI** or **LO** indication below and to the left of the battery power level indicator when in GMRS mode. In Weather Band mode, the weather alert icon (🚨) appears in place of the GMRS indications. Refer to the appropriate section of this manual for detailed operating instructions for each mode. When in GMRS standby mode, the transmit/receive indicator will flash once every 3 seconds as the unit checks for transmissions.

## **Controls:**



### **Power On/Off (14) Button**

Press and hold the power 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**

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 small number to the right of the icon ( **U 03** ).

### **Monitor (M)/Display Backlight Button (6)**

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  icon will appear on the display and you will hear static if frequency is clear. ***Do not transmit if you hear conversation.*** Hold down the Monitor Button again longer than 2 seconds and the  icon will disappear from the display.


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, or when the monitor button is pressed momentarily once again.

### **Push To Talk (PTT)/Call Button (17)**


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 (10). 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 Transmit/Monitor LED at the upper right




corner of the LCD Panel (5) will light **red** while the PTT Button is pressed and the signal indicator will display the relative strength of the transmitted signal. Releasing the button allows the unit to revert to standby mode. When receiving an incoming signal, the Transmit/Monitor LED indicator will light **green** and the received signal strength indicator (  ) will display the relative strength of the signal.

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 LED will light **red** for approximately 3 seconds and then go out.

#### **Up Channel/Volume Button (9)**

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 (13)**

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 (11)**

This button is used to select various feature settings in the GMRS or weather band mode. Holding the MODE button longer than 2 seconds will toggle between the GMRS and weather band modes.

#### **Emergency (EMG) Call Button Button (8)**

This radio has a quick access button (EMG) to the Emergency and Assistance Channel. This channel is not monitored by local authorities. When using this channel, **EMG** appears on the display. Pressing this button will set the transceiver to the channel 10 (462.6750 MHz).


**External Speaker (SPK) Jack (2)**

This jack accepts an Audiovox headset connector.

**External Microphone (MIC)/Charging (CHG) Jack (1)**

This jack accepts an optional Audiovox Microphone/Headset assembly, or the plug from an AC/DC Wall charging adapter, Model GMRS1545AD (supplied).

**Scan/Lock Button (7)**

Press this button momentarily to enable or disable the scan mode. Press and hold button for more than 1 second to lock or unlock the key pad, except PTT, EMG and Monitor (M). When the keypad is locked, the (  ) icon will appear in the top left corner of the display.

**Operating Modes and Features****GRMS Operation**

- From GMRS standby mode, press the MODE button so the Channel number flashes.
- Select the desired channel with the Up (9) and Down (13) Buttons. When receiving a call, the signal strength meter appears to indicate incoming received signal strength and the Monitor section of the Transmit/Monitor LED (5) lights **green**.
- Press and hold the PTT button (17) to transmit, then speak into the microphone clearly and slowly. The Transmit section of the Transmit/Monitor LED (5) lights **red**.
- Release PTT Button (17) to receive.
- Communication can only be accomplished when the channel and CTCSS tone frequency of at least two parties are the same.
- The **CTC** icon will be displayed on the LCD panel if the CTCSS tone frequency function is enabled.

**Channel Selection**

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

The GMRS-1545 has 15 channels (frequencies) (1-15) indicated by the large digits on the LCD display panel. Channels 1 through 7 are the same frequency as FRS channels 1 through 7. Communication with Audiovox FRS and compatible units is possible on these seven channels. Before transmitting on the selected channel, press the Monitor (M) Button (6) 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 standby mode, press the MODE button (11) once; the channel number flashes.
- Press the Up button (9) briefly to move to the next higher main channel number.
- Press the Down button (13) briefly to move to the next lower main channel number.

### **CTCSS Mode (Sub-Channel) Selection**

This unit provides a Coded Tone Controlled Squelch System (CTCSS) with 38 Sub-Frequencies for each main channel. This feature allows you to utilize the coded squelch tones (01–38) within a main channel. This 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). A different subcode may be selected for each of the 15 channels.

To change the CTCSS Sub-channel:

- From GMRS standby mode, press the Mode Button twice; a flashing **00** or sub-channel number is displayed. If **00** is displayed, press the Up or Down button to enable the CTCSS mode; the **CTC** icon will appear steady on the display with the flashing sub-channel number.
- Then press the Up or Down button to select the desired sub-channel for use.
- The selected sub-channel will continue flashing for about 5 seconds and then remain steady on the display.

The CTCSS mode can be turned off by selecting **00** as the setting.

**NOTE:** To communicate with other GMRS 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 **00**.

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.

### **VOX Selection Mode**

This option enables you to have hands-free conversation when using the internal microphone/speaker or an external microphone/headset (purchased separately). Your voice or nearby sound is detected and the radio transmits without the need to press the PTT button. A VOX setting of 1 is the least sensitive. A VOX setting of 5 is the most sensitive.

To set radio for VOX operation:

- From GMRS standby mode, press the MODE button three times until the **Uo** icon flashes on the display together with the **VOX** icon.
- Press the Up or Down button to select **VOX On** (if **oF** appears flashing) and the **1-5** VOX level sensitivity.
- Momentarily press the PTT button to confirm the VOX selection.
- The **VOX** icon will appear steady on the LCD display.

VOX can be turned off by selecting **oF** as the setting.

### **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 played 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 standby mode, press the MODE button 4 times; the **DW** icon flashes on the display. If the dual watch mode is off, the **oF** icon will also appear flashing.
- 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 MODE button again to select the CTCSS function and select the CTCSS code if desired for the dual watch channel just selected.
- Press the PTT 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 exit the dual watch mode, repeat the above procedure, decrementing the channel number until **oF** appears; then press the PTT button to confirm.

**NOTE:** When in Dual Watch mode, the vibration alert function is disabled.

### **Transmit Power Selection Mode**

This feature permits selection of the transmitting power level to high or low. Using low power, the unit will have a lower transmit range but battery life will be increased.

To access the transmitter power selection function:

- From GMRS standby mode, press the MODE Button 5 times until the **Po** icon appears with a flashing **HI** or **Lo** indication on the display.
- Press the Up or Down button to toggle between the **HI** and **Lo** selections.
- Press the PTT button momentarily to confirm selection.

The display will indicate the current setting in GRMS standby mode.

### **Vibrator Call**

The transceiver is equipped with a vibrator call feature which causes the unit to vibrate when a call signal is received from another party. This feature can be activated whenever the user wishes, and provides call notification without disturbing other people nearby.


To set the vibrator call feature:

- From the GMRS standby mode, press the MODE button 6 times until the **Ub ON** or **oF** icon appears with a blinking **VIB** icon on the display.
- Press the Up or Down button to activate the vibrator function **ON**.
- Press the PTT button to confirm the selection.

With **VIB** active, the unit will vibrate whenever a call tone is received from another user.

### **Weather Alert Mode**

The weather alert mode notifies the user of unusual weather situations. To access the weather alert function:

- From GRMS standby mode, press the MODE button 7 times to access the weather alert function; the weather icon (  ) and **AL On** or **oF** appear flashing on the display.
- Use the Up or Down buttons to enable (**On**)/disable (**oF**) the alert function. The weather icon will stop blinking on the display when the alert is disabled.
- Press the PTT Button to confirm your selection.

When the unit is in GMRS mode, and a weather alert signal is received, the unit will generate two warning tones. The unit will then automatically revert to a previously selected weather channel and the weather alert will be heard.

### 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.

To enable and disable the Roger Beep tone:

- From GMRS standby mode, press the MODE Button 8 times until **rb** appears on the display with the flashing Roger Beep icon ( 🎵 ) and **on** or **oF**.
- 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.

### Key Tone

This feature allows the transceiver to sound a confirmation tone whenever the following keys are pressed: Monitor (M) Button, Up/Down Buttons, MODE Button, SCAN Button, or the EMG Button.

To turn the key tones on or off,

- From GMRS standby mode, press the MODE Button 9 times until **bp**, the Bell ( 🔔 ) 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 button momentarily to confirm selection.

When the key tone feature is on, the Bell icon appears steady on the display, and the beep tones sound in response to button activation.

### Call Ringer Selection Mode

The transceiver provides 5 user-selectable call ringer melodies to alert you to an incoming call.

To select your favorite call ringer melody:

- From GMRS standby mode, press the MODE button 10 times; **C** will appear on the display, together with a flashing number between **1** and **5**.

- Press the Up or Down Button to preview and hear the 5 available call melodies.
- Press the PTT button momentarily to confirm selection.

Refer to the PTT button (17) to transmit ring signal.

### **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 5 seconds after reception is terminated.

**NOTE:** While the scan function is active, the MODE button will be inoperative. The scan mode will reduce the overall battery life because the battery save function is overridden.

To enable the channel scan mode:



- From GMRS standby mode, momentarily press the SCAN Button; **(SC)** will appear on the LCD display together with **On**.
- The radio will display each channel (1-15) in order as the scan mode 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 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 SCAN button momentarily and the unit will return to normal operation; the **SC** icon and **oF** will appear momentarily and then disappear from the LCD display.

### **Auto Key Lock Selection**

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.



To access the Auto Key Lock selection menu:

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

### **Emergency and Assistance Channel**

This radio has a quick access button (EMG) to the Emergency and Assistance Channel. This channel is not monitored by local authorities. When using this channel, **EMG** appears on the display. Pressing this button will set the transceiver to the channel 10, 462.6750 MHz). The Emergency Channel can be used transmit and receive on a special frequency (CH10: 462.6750 MHz).


The Emergency Channel can be selected quickly from any user mode.

To access the Emergency Channel mode:

- Press Emergency (EMG) Button; **EMG** and Channel **10** appears on the display.
- To turn off the Emergency Channel feature, press and release the EMG Button.

### **Weather Band Operation**

#### **Channel Selection**

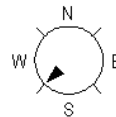
This feature provides access to 10 channels within the weather band (7 NOAA channels and 3 Canadian marine channels). To select a weather channel, the unit must be in the weather channel mode. Press and hold the MODE button for at least 2 seconds; the weather alert icon (  ) will appear, together with a channel number in the band.

- Press the MODE button (11); the channel number flashes.
- To change the channel, press the Up Button (9) briefly to move to the next higher main channel number.
- Press the Down Button (13) briefly to move to the next lower main channel number.
- Press the PTT button to confirm your selection.

### **Electronic Compass Operation**

While the unit is powered on, the electronic compass is always operational. Whenever outside magnetic interference is compromising accuracy, the direction arrow remains stationary. This may occur if there is a significant change in the surrounding magnetic fields caused by driving underneath an overpass or across a bridge. A blinking compass icon indicates compass calibration is required. The compass must be calibrated whenever the following conditions prevail:

1. When the compass is used for the first time.
2. When the compass is used in a different location other than where previously calibrated.
3. When magnetic distortion occurs.
4. When the batteries are replaced.
5. When the batteries are low.



### **Electronic Compass Calibration**


To calibrate the compass, proceed as follows:

- With the unit powered off, press the EMG button. Simultaneously, while holding the EMG button, press and hold the Power On/Off button for approximately 3 seconds; CAL will appear on the display.

- While standing outside in an open area, hold the unit horizontal and parallel to the ground. Rotate yourself and the unit 360 degrees, taking at least 15 seconds for each 90-degree quadrant of the circle.
- Press the PTT button to complete calibration.

The calibration data will be stored in the transceiver memory until re-calibration becomes necessary. (See Compass Operation above.)

### **Battery Alert**

When the battery icon (  ) blinks on the LCD panel (battery voltage below 4.9 V), recharge unit or install fresh batteries. If the batteries are not replaced, the LCD display will slowly fade until data disappears.

### **Batteries**

There are two methods of powering the GMRS-1545:

1. Alkaline Batteries - (5 x AA size)
2. Rechargeable Ni-MH Batteries - (Rechargeable Ni-MH batteries and AC/DC Wall Adapter included). Use only Audiovox approved rechargeable batteries.

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

### **NOTES FOR GOOD COMMUNICATION**

1. The GMRS-1545 15 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 GMRS-1545 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 (10) 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	Charge or replace batteries
	Incorrect battery polarity	Install the batteries following the directions in paragraph Installing the Batteries.
Weak or no signal received	Weak batteries Channel and privacy code not set the same as target transceiver	Charge or replace batteries 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:	
GMRS	15 Channels (See Chart)
Channel Spacing	12.5 KHz
NOAA Weather Band	7 Channels (See Chart)
Canadian Maritime	3 Channels (See Chart)
Privacy Codes	38 for each main channel
Dimensions (H x W x D)	4.625 in x 2.375 in x 1.50 in
(Without Antenna)	117.5 mm x 60.3 mm x 38.1 mm

### **Power Supply**

Power Source	Alkaline Batteries, AA (5), 7.5 VDC Ni-MH rechargeable, AA (5), 6.0 VDC
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Operating Time  
(Low Power Setting)

Alkaline	30 hours, 2000 mA, 5(TX):5(RX):90(Standby)
NiMH	18 hours, 1300 mA, 5(TX):5(RX):90(Standby)

### **Receiver**

Useable Sensitivity	0.25 uV (12 dB SINAD)
Selectivity	>-55 dB
Maximum Audio Output Power	> 0.5 Watt maximum (8 Ohm )
FM Hum and Noise	-40 dB

### **Transmitter**

RF Output Power	2.0 Watts maximum (high power) 0.5 Watt maximum (low power)
Maximum Deviation	+/- 2.5 kHz
Modulation Distortion	< 5% at 1kHz

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.

### Weather Channel Frequencies:

Channel	Freq (MHz)	Channel	Freq (MHz)
1	162.5500	6	162.5000
2	162.4000	7	162.5250
3	162.4750	8	161.6500
4	162.4250	9	161.7750
5	162.4500	10	163.2750

### Main Channel Frequencies:

Channel	Freq (MHz)	Channel	Freq (MHz)
1	462.5625	9	462.6250
2	462.5875	10	462.6750
3	462.6125	11	462.5500
4	462.6375	12	462.6000
5	462.6625	13	462.6500
6	462.6875	14	462.7000
7	462.7125	15	462.7250
8	462.5750		

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



**Continuous Tone Coded Squelch System Tone  
Frequencies (in Hz)**

<b>CTCSS</b>	<b>Freq. Hz</b>	<b>CTCSS</b>	<b>Freq. Hz</b>
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	203.8
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

\*00 = No Tone

## 90 DAY LIMITED WARRANTY

*Applies to Audiovox Family Radio and General Mobile Service Products.*

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