



Owner's Manual

For Model GXT255
GMRS/FRS Radio

FEATURING

- 22 Channels
- 38 CTCSS codes
- VOX
- Monitor function
- Call Alert
- Backlit LCD
- Scan
- Roger Beep Tone

<http://www.midlandradio.com>



Use and Care

1. **Do not** use alcohol or cleaning solutions to clean the radio.
2. **Do not** immerse the radio in water.
3. Use a soft damp cloth to clean the radio
4. Dry the radio with dry lint-free cloth should it get wet.
5. Turn off the radio and remove the batteries during long-term storage.



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AVP- 1



- 2 Over the Ear Mic. Headsets w/ PTT.

AVP-2



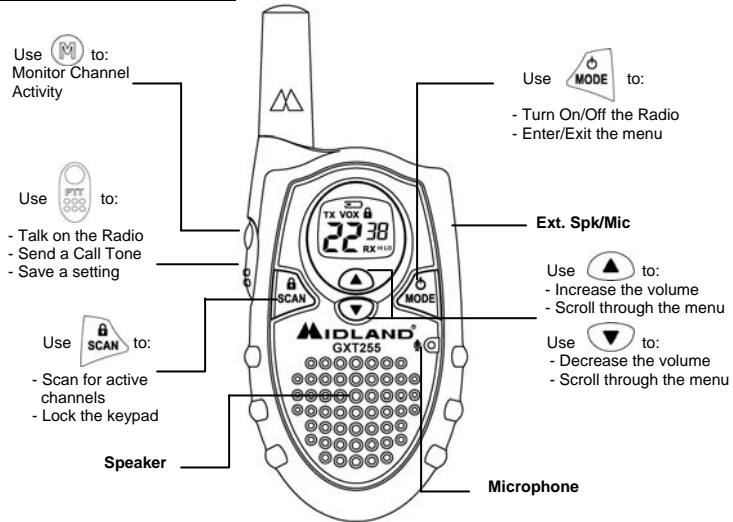
- One Dual Desk Charger
- 2 Rechargeable battery packs
- 1 AC Adapter



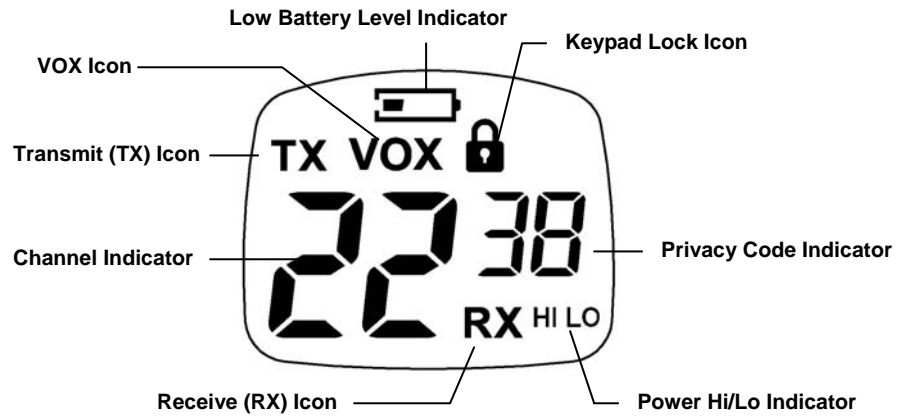
Introduction

Your GXT255 represents the state-of-the-art in high-tech engineering. Designed for General Mobile Radio Service operation, this compact package is big in performance. It is a quality piece of electronic equipment, skillfully constructed with the finest components. The circuitry is all solid-state and mounted on a rugged printed circuit board. Your GXT255 is designed for reliable and trouble-free performance.

Control Buttons & Indicators



LCD Display



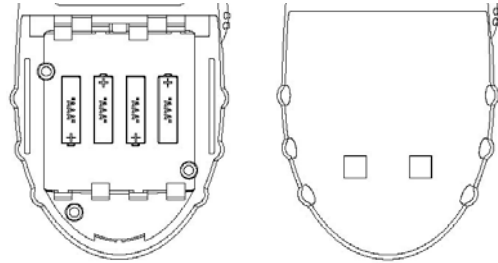


Installing Batteries

Your GXT255 radio operates with either 4 AAA Alkaline Batteries or optional NiMH Battery Pack. The belt clip should be removed (Page 16) to ease installation or removal. To install the batteries:

1. With the back of the radio facing you, remove the Battery Cover by sliding it down from the unit.
2. Insert 4 AAA batteries observing the polarity as shown. Installing the batteries incorrectly will prevent the unit from operating or can damage the unit.
3. Return the Battery Cover by sliding it up from the unit.

Note: Batteries are not included.





Charging the batteries

Your GXT255 is equipped to allow using a rechargeable NiMH battery pack (not included) which can be recharged by an A/C Charger/Adaptor (not included) through the MIC Jack of the radio, or using a Desktop Charger (not included). Batteries must be charged when the low battery icon flashes on the display.

Initial charge time is 24 hours with a charge time of 8 – 12 hours thereafter.

For maximum battery life, we recommend charging the batteries when the low battery indicator comes on.

Remove the radios from the charger when the charge time expires.

Accessories: **CA-1410D**. Wall adapter for charging through the MIC jack.

AVP2. Desktop charger with 2 AAA rechargeable battery packs.

To charge through the MIC Jack :

- Connect the AC Adaptor/Charger into an A/C Wall Outlet.
- Insert the Adaptor/Charger jack into the MIC Jack of the radio found at the side of the unit.

To charge through a Desktop Charger:



- Connect the AC Adaptor into an A/C Wall outlet.
- Insert the Adaptor Jack into the Desktop charger jack.
- Place the units into the Desktop Charger slot and note that the LED indicator of the Desktop Charger will light up to indicate charging function.



Note :

1. Only use batteries indicated in the manual, or our NiMH battery pack. (see page 4)
2. Do not attempt to charge Alkaline batteries or any batteries or battery packs other than the one indicated in the manual. This may cause leakage and damage the unit.
3. For long term storage of the radio, turn the unit OFF and remove the batteries from the radio.






Operation

Power On/Off : Press the  button for more than 1 second to turn the radio on. Press the  button for over 3 seconds to turn the radio off.

Volume : Press the  button to increase the volume, and press the  button to decrease the volume during normal operation.




Talking and Listening : To communicate, all radios in your group must be set to the same channel and privacy code.







- For maximum clarity, hold the radio 2 to 3 inches from your mouth.
- Press and hold PTT button and speak in a normal voice into the microphone. The TX icon will appear continuously on the LCD Display when transmitting.
- To receive messages, release the PTT button. The RX icon will appear on the display when your radio is receiving a transmission.


Monitor button : Pressing and holding the  button for 2 seconds will let you hear noise so you can adjust the volume level of the radio when not receiving a signal. The  should be used to check activity on current channel before transmitting. Press and hold the  for 2 seconds to return to normal operation.



Call Tone : Your GXT255 can transmit a call tone for a fixed length of time. To send a call tone, press the **PTT** twice rapidly. The TX icon will appear during transmitting a call tone and tone can be heard on the speaker for confirmation.

Scan : Your GXT255 can scan all of the 22 channel to observe for any activity. To enter the scan mode, press and hold the  button for one second. Press  button again to exit the scan mode. Your radio will rapidly scan each of the 22 channels and stop on any active channel. When you press the PTT button to transmit on an active channel, the scanning function will stop. To resume scanning, press and hold the  button for one second.

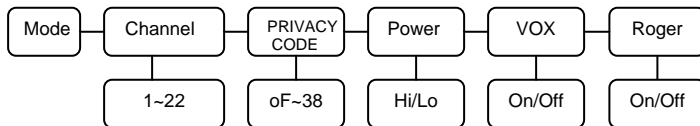
Keypad Lock : To avoid accidentally changing the radio operation, press the  button for 3 seconds . The  icon will appear on the display. When the  is on the LCD display the  and  button will be disabled. When locked, you will be able to turn the radio off and on, monitor, transmit/receive, and send a call tone. To unlock, press and hold the  for 3 seconds.

Backlit LCD : Your GXT255 comes with a backlit LCD display to enable you to view the setting in a dark environment. The backlighting can be turned on/off by pressing the  button. The backlighting will turn on for 5 seconds.






User Interface

To access the advanced features of your GXT255, your radio has the following menu functions:







Note : *The unit will automatically go to normal mode after 5 seconds of no button activity during menu setting.*

Channel Selection : Your GXT255 has 22 channels available. To change channels:

- With the radio on, press  until the current channel segment flashes.
- Use the  or  buttons to change the channel.
- Press the PTT button to save the new channel.






Privacy Code Selection : Your GXT255 has 38 privacy codes available. The selected privacy code may be different for each channel. To select a privacy code for the current channel:

- With the desired channel selected, repeatedly press  until the current privacy code number flashes.
- Use the  or  button to change the privacy code number.
- Press the PTT button to save the new privacy code or press the  repeatedly until you exit the menu.

Note : Selecting a privacy code of “**oF**” will disable the the privacy code feature. To communicate between two GXT255 radios, both the channel and privacy code selections must be the same. To communicate with other models and brands of radios the actual radio frequency and privacy code frequency must be matched. The frequency chart at the back of this book are included to help with this selection. In general, the first fourteen channel selections may be used to communicate with most FRS radios.



Power Selection : Your GXT255 has two transmit power levels. To select the power level on channels 1~7 and 15~22:




- Press  repeatedly until the “Pr” appears on the display.
- Press  or  to select between high and low power levels. The **HI/Lo** icon will alternately appear during setting.
- Press the **PTT** button to save and exit.

The **HI** or **Lo** icon will appear on the display depending on your setting.

Note : On channel 8~14 no power level selection is possible

VOX : VOX (voice operated transmit) operation allows you to transmit without using the PTT button when using a headset. To enable VOX operation:

- Insert the headset plug(s) into the SPK/MIC jacks.
- Set the radio into VOX mode.

To set the radio to VOX Mode, repeatedly press the  button until the VOX icon flashes on the LCD display. Press the  or  button to turn the VOX on or off, an “on” or “oF” will appear on the display during setting. The VOX icon will appear on the LCD display if the radio is set into VOX mode.

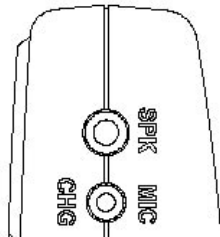


Roger Beep Tone : Whenever you release the PTT button, a “Roger Beep” tone may be transmitted to let your friends know you are finished talking. To enable the Roger Beep, press the button repeatedly until the “rb” appears on the display. Press the and to set the Roger Beep tone on or off. An “on” or “oF” will appear on the display during setting.

External Speaker/Microphone Jack

Your GXT255 can be used with an optional external speaker/microphone or headset, freeing your hands for other tasks. To use an optional speaker / microphone or headset:

- Insert the plug(s) into the SPK/MIC jacks
- Place the earbud into your ear, and adjust the mic into your desired position.





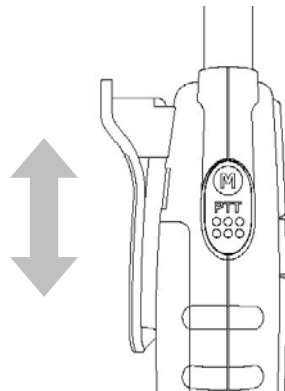
Installing the Belt Clip

To install the belt clip:

- Slide the clip up into the slot on the back of the radio until the latching mechanism clicks.

To remove the belt clip:

- Pull the latching tab outward, then gently slide the belt clip down toward the bottom of the radio.





PROBLEMS & SOLUTIONS

No Power	<ul style="list-style-type: none">- Check battery installation and/or replace batteries.
Cannot Receive Messages	<ul style="list-style-type: none">- Confirm the radios have the same channel settings.- Make sure that you are within range of the other transceivers.- Buildings and other obstructions may interfere with your communication.
Radio is not responding to button presses	<ul style="list-style-type: none">- Make sure key lock is not on. See "Keypad Lock" (Page 11).- Radio might need to be reset. Turn radio off then on.- Ensure accessory microphone is set properly.
Display is dim	<ul style="list-style-type: none">- Reposition or replace batteries.
Charger not functioning	<ul style="list-style-type: none">- Contacts on the bottom of the radio may require cleaning.- Ensure that the outlet the charger is plugged into is functioning properly.- Check that the batteries are installed in the radio properly.



Technical Specification

A. Specification

Channels	22 Channels + 38 Privacy Codes
Operating Frequency	UHF 462.5500 ~ 467.7125 MHz
Power Source	4 AAA Alkaline or rechargeable Ni-MH Batteries
Output Power	Typically 2 Watts HI, 0.5 Watts LO

B. Current Drain :

- Receive : 150mA max
- Transmit : 900mA max
- Standby : Average 14mA max

C. Operating Time : Based on 900mAH (Alkaline battery) capacity

- Talk Time : 1~1.5 hours
- Receive Time : 12 hours
- Standby Time : 60 hours
- Combined (5-5-90 duty) Time : 15 hours



Frequency and Privacy Code Charts

Channel Frequency Chart (MHz)

CH. No	CH. Freq.	CH. No	CH. Freq.	CH. No	CH. Freq.
1	462.5625	9	467.5875	17	462.6000
2	462.5875	10	467.6125	18	462.6250
3	462.6125	11	467.6375	19	462.6500
4	462.6375	12	467.6625	20	462.6750
5	462.6625	13	467.6875	21	462.7000
6	462.6875	14	467.7125	22	462.7250
7	462.7125	15	462.5500		
8	467.5625	16	462.5750		

Privacy Code Chart (Hz)

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



Limited Warranty

InterTAN WARRANTY

InterTAN warrants that this product will be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. Within this period, simply take the product and your proof of purchase to any InterTAN store or dealer and the product will be repaired without charge for parts and labour. InterTAN reserves the right to charge for transportation. Any product which has been subject to misuse or accidental damage is excluded from this warranty.

This warranty is only applicable to a product purchased through InterTAN's company owned stores and dealers and to a product that is presented for repair in a country where InterTAN offers the product for sale. While this warranty does not confer any legal rights other than those set out above, you may have additional statutory rights which will vary under the laws of the various countries, states, provinces and other governmental entities in which InterTAN operates. This warranty is subject to all statutory rights you may have in the country of purchase.

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