

# LXT630VP3 36-Channel FRS/GMRS CERT Training 2020



# LXT600 Series Training ToC



## Part I: Getting Acquainted With Your LXT630 Radio



- Upgrade Features for Cambria CERT
- General Features
- Controls
- LCD Display

## Part II: Setting Up Your LXT630 Radio



- Battery Installation/Removal
- Battery Charging
- Channel Selection
- Power Level Selection
- Monitor Check
- Speaker Mic Connection (If Available)
- Keypad Lock (User Choice)
- Privacy Codes (Not used)
- Call Alert Setting

## Part III: Operating Your LXT630 Radio



- VOX : NOT RECOMMENDED FOR CERT OPERATION
- Transmitting Call Alert
- Transmitting & Receiving Call
- NOAA Wx Radio & SCAN
- NOAA Wx Alert
- Scan Function
- CERT Location Scan
- Roger Beep Tone
- Transmit Power level Settings
- Battery Meter/Battery Low Indicator



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## Part IV: LXT630 Tips



- Turn off radio when not in use.
- Remove batteries when radio not in use for a couple days.
- Use LOW power setting, if possible, for extended use.
- Avoid buildings or large hills blocking Line of Sight
- Hold radio vertical when using
- Speak across the front of the radio, rather than into it



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# Part I: Getting Acquainted With Your LXT630 Radio



- Upgrade Features for Cambria CERT
- General Features
- Controls
- LCD Display

# LXT630VP3 36-Channel FRS/GMRS



'Primary/Secondary'  
radio channel.  
See 'Channel  
Selection' chart for  
your assigned  
channels

## UPGRADE FEATURES for Cambria CERT



\* = "Staging Area+CERT ID#"

# LXT630VP3 FRS Radio



## GENERAL FEATURES

- 36 GMRS/FRS Channels
- 121 Privacy Codes \*
- VOX \*
- Selectable Call Alert
- NOAA Weather Scan
- NOAA Weather Radio
- NOAA Weather Alert
- Scan Function
- Monitor Function
- Roger Beep Tone
- Silent Operation
- KeyPad Lock
- Power High / Low Settings
- Speaker / Microphone Jacks
- Battery Meter / Battery Low Indicator



\* = Not recommended for CERT use

# LXT630 Controls



11. POWER/VOLUME KNOB – Turn clockwise to turn the power on and increase the volume level. Turn counter-clockwise to decrease the volume level and turn the power off.

12. PTT Button – Press and hold to transmit voice communication.

13. CALL/LOCK Button – Press to send a CALL ALERT signal. Press and hold to turn KEY LOCK on/off.

14. MIC – Built-in microphone.

15. SPEAKER – Built-in speaker.

16. ANTENNA

17. EXTERNAL SPEAKER/MIC/CHG JACK

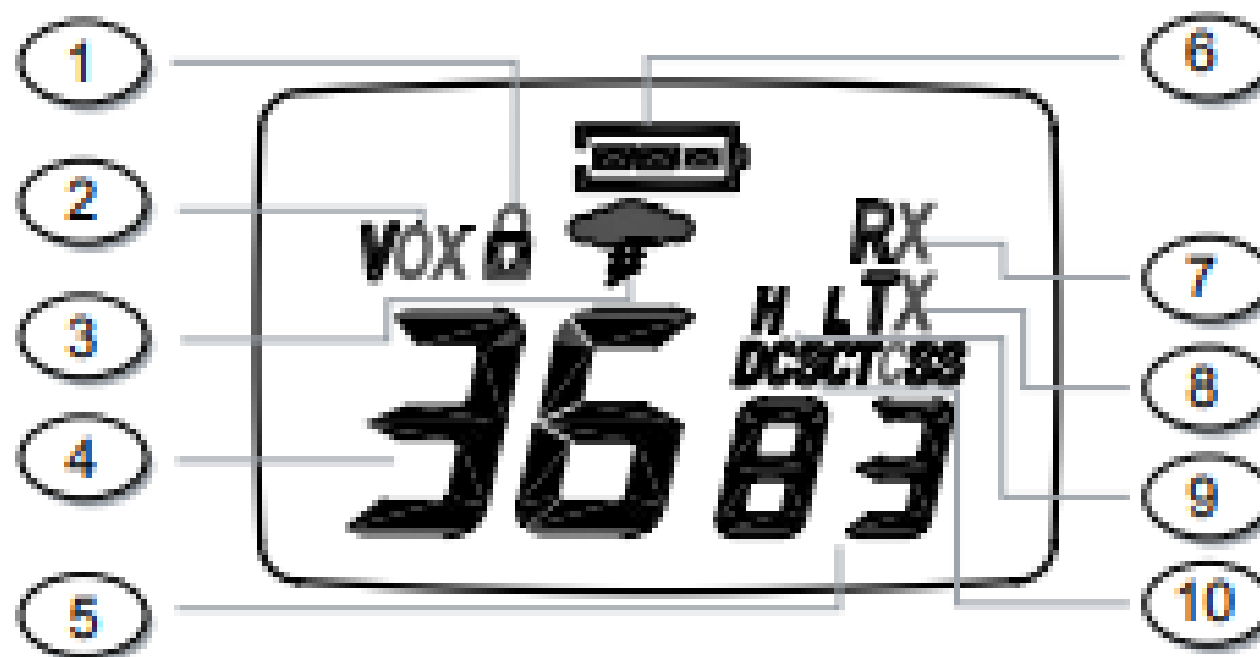
18. MENU Button – Press momentarily to access Menu mode.

19. MONITOR/SCAN Button – Press to enter SCAN mode. Press and hold to enter MONITOR mode.

20. UP/WX SCAN ▲ and DOWN ▼ Buttons – Make adjustments in MENU mode. Press and hold the UP button for 5 seconds to activate the NOAA Weather Scan function.

# LCD DISPLAY

1. KEY LOCK ICON – Indicates KEY LOCK mode is on.
2. VOX ICON – Indicates when VOX mode is active.
3. NOAA WEATHER (WX) BAND ICON – Indicates when the radio is in Weather Band mode.
4. CHANNEL NUMBER – Changes from 1~36 on GMRS/FRS band (1~10 on WX band).
5. PRIVACY CODE – Indicates Privacy Code selected by user (oF~38/oF~83). It can only be set in Ch 1~22.
6. BATTERY METER – Indicates the battery level.
7. RECEIVE (RX) ICON – Indicates radio is receiving a transmission.
8. TRANSMIT (TX) ICON – Indicates radio is transmitting a signal.
9. TRANSMIT POWER LEVEL ICON – Indicates TX Power setting (H/L).
10. PRIVACY CODE ICON – Indicates Privacy Code setting (CTCSS/DCS).





# Part II: Setting Up Your LXT630 Radio



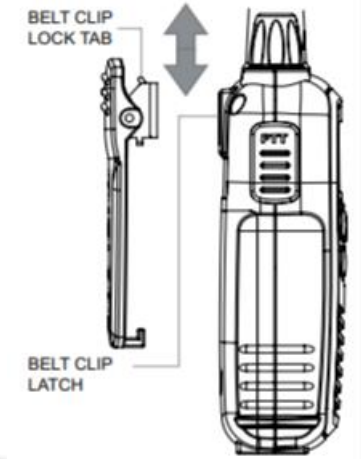
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- Call Alert Setting



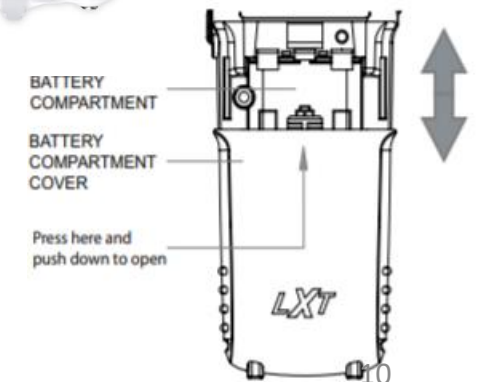
# Battery Installation/Removal

Your LXT600 Series radio operates with either a NiMH battery pack or optional 3 AAA alkaline batteries. The belt clip should be removed (see Fig to right) to ease installation or removal of the batteries. To install the batteries:

1. With the back of the radio facing you, remove the belt clip (see Fig to right) for easy access, then remove the Battery Cover by pressing down on the top center and sliding it down from the radio.
2. Insert 3 AAA batteries or NiMH Battery Pack observing the polarity as shown. Installing the batteries incorrectly will prevent the unit from operating or may damage the unit.
3. Return the Battery Cover by sliding it up on the radio. Replace the belt clip, making sure it locks into place



TAB to  
Right

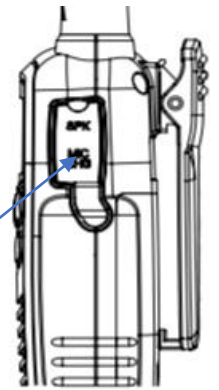


# Battery Charging: AC Wall Adapter



- CHARGING THE BATTERY PACK Your LXT600 Series is equipped for using a rechargeable NiMH battery pack which can be recharged by inserting the AC adapter into the radio charge jack, or with optional desktop charger (see next chart).
- Initial charge time is 24 hours. Charge time is about 12 hours thereafter.
- For maximum battery life, we recommend charging the battery pack when the low battery icon comes on.
- Remove the radios from the charger when the charge time expires

Charging Port



# Battery Charging: Desktop Charger



1. Place the rechargeable battery packs in the radios.
2. Connect the AC adapter into an AC wall outlet.
3. Insert the AC adapter plug (or DC Cigarette Lighter adapter if charging in vehicle) into the desktop charger jack.
4. Place the units into the desktop charger slot and note that the LED indicator with RED color will light up, indicating charging function. In order to ensure that the battery pack is fully charged, it is recommended that the battery pack be charged for at least 12 hours with the radio turned OFF.



RED LED stays  
on while radio  
in charger

# POWER ON-OFF/VOLUME KNOB



Power &  
Volume  
Control

Illuminated  
Screen



- Turn control clockwise to turn the power on and increase the volume level.
  - Screen Illuminates
  - Displays Channel #, Battery Condition and H/L Power level
- Turn control counter-clockwise to decrease the volume level and turn the power off
  - Screen Goes Dark

# CHANNEL SELECTION



- Press the MENU button once, and then the ▲\▼ buttons to select one of the FRS channels.
- To confirm the selection, press the PTT button or press the MENU button again to move to the next feature setting.

STAGING AREA	SYMBOL	PRIMARY	SECONDARY
Park Hill	PH	1	18
Leimert	LE	2	19
Happy Hill	HH	2	19
Moonstone Beach	MB	2	19
Pine Knolls	PK	3	20
West Village	WV	3	20
E. Lodge Hill	ELH	4	21
Top of the World	TW	5	22
Lodge Hill-E	LH-E	5	22
Lodge Hill (A-D)	LH	6	19
Lodge Hill (G)	LH-G	7	15
Lodge Hill (H)	LH-H	2	16
Marine Terrace	MT	3	17

Channel#

Push to Talk (PTT)

Decrease Channel#

MENU button

Increase Channel#



# TRANSMIT (TX) POWER LEVEL SELECTION



Push to Talk  
(PTT)



**Note :** You cannot adjust the power setting on the FRS channels (8~14). They are set to Lo power per FCC regulations.

MENU  
button

H/Lo Power level

Your LXT600 has 2 power level settings.

To select the power level on channels 1~7 and 15~36, press the MENU button until a "Pr" icon will appear blinking on the display.

Then press the ▲\▼ buttons to select TRANSMIT POWER LEVEL icon (H: Hi/L: Lo).

- To confirm, press the PTT button or press the MENU button again to move to the next feature setting.
- When the PTT button is pressed during Lo Battery Level condition, the TX Power will automatically switch from Hi(H) to Lo(L) level.

Select TRANSMIT POWER LEVEL



# Monitor Check

- Pressing and holding the MONITOR button for 3 seconds will let you hear noise so you can adjust the volume level of the radio when not receiving a signal.
- This could also be used to check any activity on your current channel before transmitting. Press and hold the MONITOR button for 3 seconds again to get out of MONITOR mode.

MONITOR





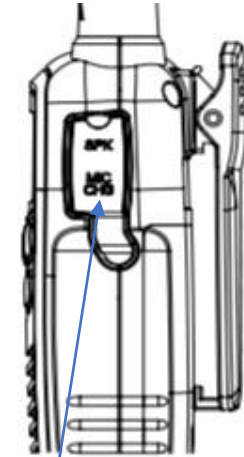
# EXTERNAL SPEAKER/MICROPHONE



Your LXT600 Series 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.
- Note : You can charge a rechargeable NiMH battery pack thru the CHG Jack.



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# Keypad Lock (User Choice)



- **KEYPAD LOCK** To avoid accidentally changing the radio setting, press the LOCK button for 4 seconds. The KEY LOCK icon will appear on the display. PTT and CALL will still be active. Repeat the same procedure to unlock the keypad.

LOCK  
Indicator

LOCK



# Selecting Call Alert Tone



Your LXT600 Series has 5 selectable CALL ALERTS.

- To select, press the MENU button until a “CA” icon appears and to the right of the “CA” icon the current CALL ALERT setting is displayed.
- Then press the ▲\▼ buttons to make the CALL ALERT selections - the radio will emit a corresponding tone for each selection.
- To confirm, press the PTT button or press the MENU button to move to the next feature setting.

Decrease CALL Alert #

**NOTE:**

- Default for All-CERT = Tone #1
- SAM = Tone #2
- CERT Coordinator = Tone #3



CA ICON

MENU

Increase CALL Alert #

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# Transmitting Call Alert Tone



- Your LXT600 Series can transmit a call alert for a fixed length of time.
- To send a call alert, press the CALL button.
- The TX icon will appear while transmitting a call alert and a tone can be heard on the receiver's speaker.



# TRANSMITTING AND RECEIVING A CALL



To communicate, all radios in your group must be set to the same channel.

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

PTT

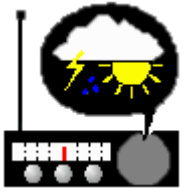


Transmit/Receive  
ICON



**Built-In Microphone**  
Speak Across, NOT Into  
Microphone





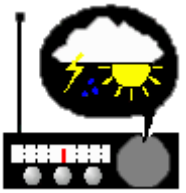
# Turn-ON NOAA WEATHER RADIO/SCAN



- Your LXT600 Series has a **NOAA WEATHER RADIO** function, to enable the user to receive weather reports from 10 designated NOAA stations.
  - Your radio has a **NOAA WEATHER SCAN** function to enable the user to scan all 10 channels of the NOAA WEATHER RADIO.
- To turn on the NOAA WEATHER (WX) SCAN, press and hold the UP/WX ▲ button for 5 seconds while in FRS/GMRS mode.
  - The radio will go to WX Band mode and start scanning all 10 channels and stop on any active channel.
  - When the channel becomes inactive for 10 seconds the radio will resume scanning.







# Turn-OFF NOAA WEATHER RADIO/SCAN



- To stop the **NOAA WEATHER SCAN** and set the channel manually on the WX Band, press the MENU button during NOAA WEATHER SCAN.
  - The radio will stop scanning and the display will show the current WX Band channel setting and the WX Band icon.
  - While on WX Band mode press the ▲\▼ buttons to select one of the 10 NOAA WEATHER (WX) BAND channels.
  - To confirm, press the PTT button or press the MENU button to move to the next feature setting.
- To stop the **NOAA WEATHER RADIO** function, press the PTT button.
  - The current GMRS/FRS radio setting will be displayed, and the WX BAND icon will go off.



San Luis Obispo	<a href="#">KIH31</a>	162.550
		Ch#7
San Simeon	<a href="#">WNG592</a>	162.525

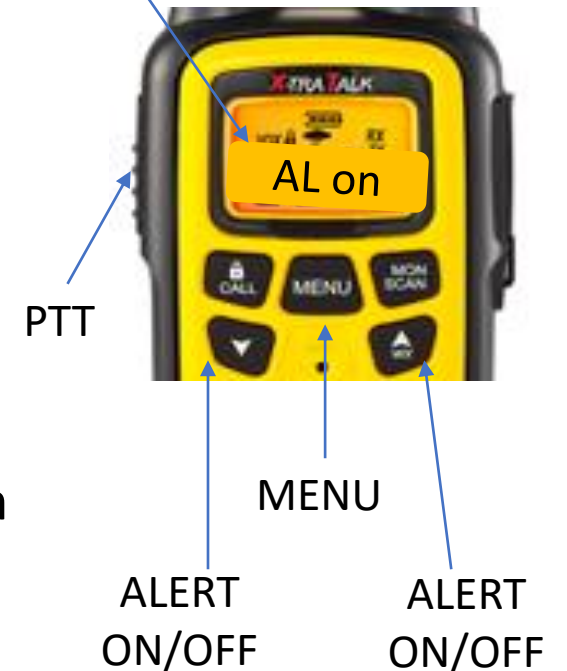
# Turn-ON NOAA WEATHER ALERT



Your LXT600 has a **NOAA WEATHER ALERT** function, to enable you to automatically receive weather alerts from designated NOAA stations even while monitoring FRS/GMRS channels.

- The NOAA WEATHER ALERT is automatically on during NOAA WEATHER SCAN mode. (see previous)
- To turn *ON* the **NOAA WEATHER ALERT** function during normal NOAA WEATHER RADIO mode, press the MENU button twice while in NOAA WEATHER SCAN mode.
  - The display shows “AL,” while on the right an “oF” icon appears blinking. Select “on” by pressing the ▲\▼ buttons
  - To confirm, press the PTT button or press MENU. The radio will return to WX BAND and the WX BAND icon will continue blinking.
- If the radio receives a **WX ALERT** signal from a designated NOAA station while on GMRS/FRS Radio mode, the radio will beep for 10 seconds while an “AL” and “In” icon appear on the display, after which it will automatically go to WX BAND.
  - If any button is pressed during beeping while on GMRS/FRS Radio mode, the radio will automatically go to WX BAND.

NOAA Wx  
ALERT on



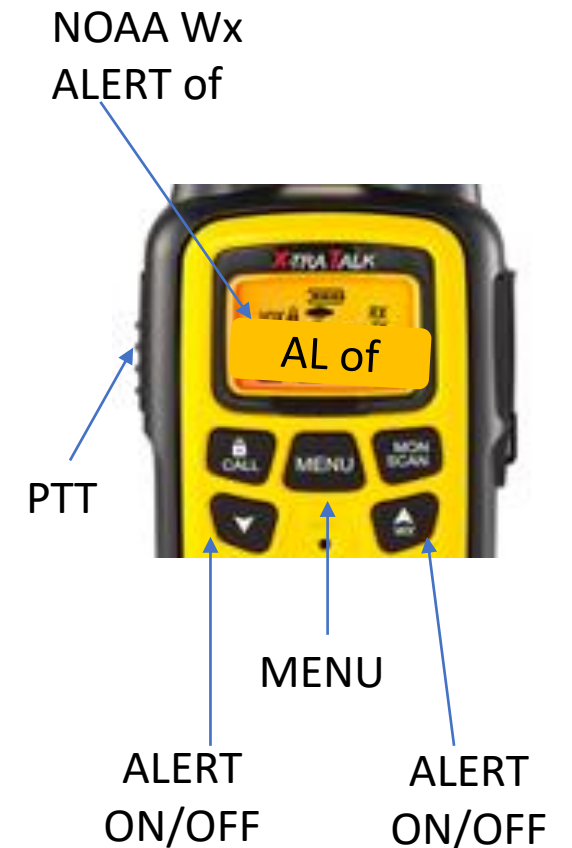
San Luis Obispo	<a href="#">KIH31</a>	162.550
		Ch#7
San Simeon	<a href="#">WNG592</a>	162.525

# Turn-OFF NOAA WEATHER ALERT

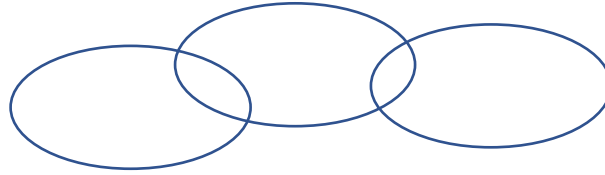


- To turn OFF the **NOAA WEATHER ALERT**, press the MENU button twice while in WX Band.
  - The display shows “AL,” while on the right an “on” icon appears blinking. Select “oF” by pressing the ▲\▼ buttons.
  - To confirm, press the PTT button or press MENU.
  - Press PTT again to return to FRS Channels while still monitoring for NOAA Alert

*Note :* The **WX Alert** is automatically ON during WX SCAN mode

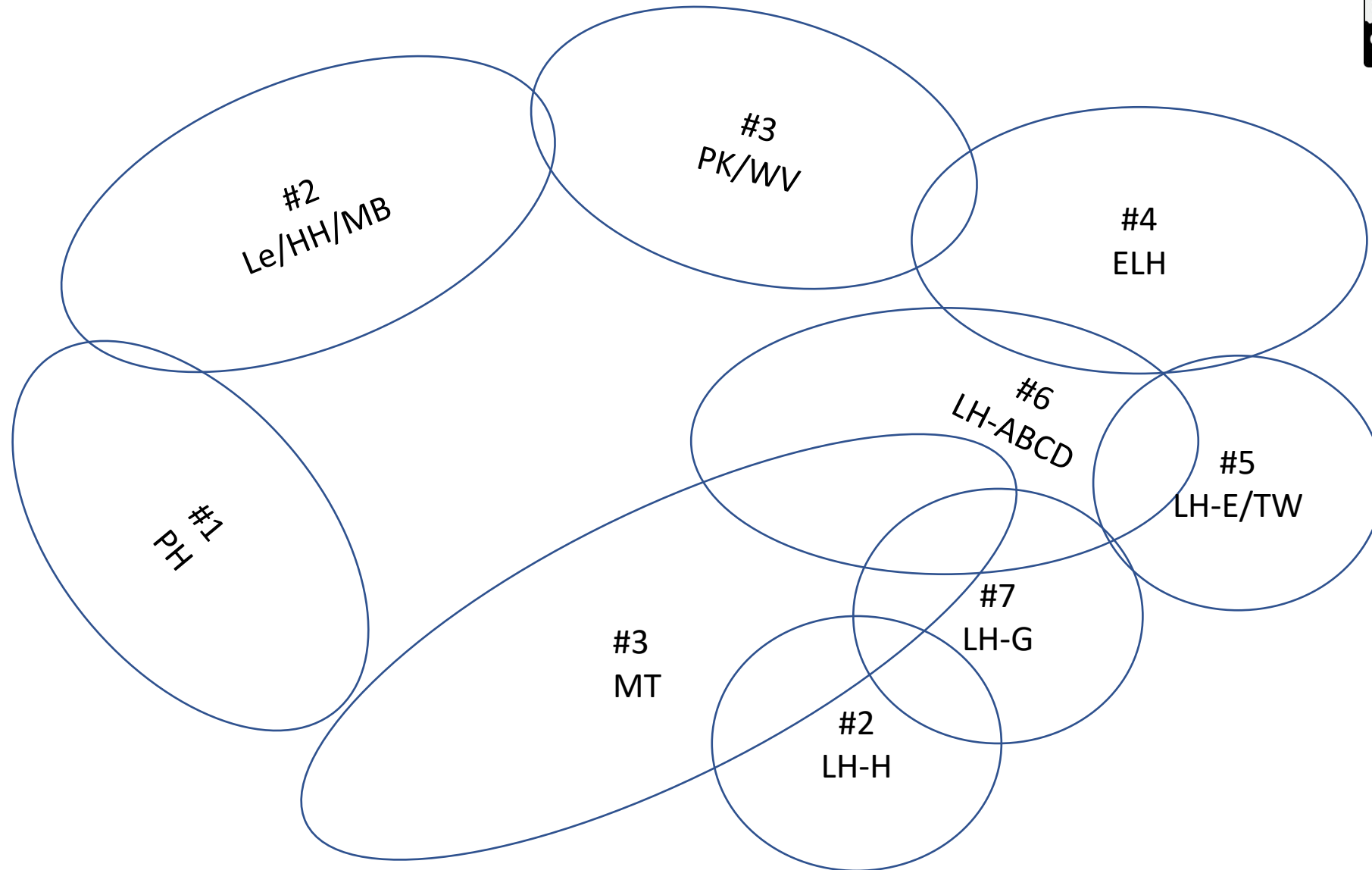


# SCAN



- Your LXT600 Series can scan all 36 channels for activity.
- To enter, quickly press the SCAN button.
- Repeat the same procedure to exit.
- Your radio will rapidly scan each of the 36 channels and stop on any active channel for 4 seconds before resuming scan.
- When you press the PTT button to transmit on an active channel, the scanning function will stop and remain on the active channel.
  - If no active channel, pressing scan will return to preset Channel
- To resume scanning, quickly press the SCAN button.

# CERT Location Scan





# Picking a Good Line Of Sight (LOS)



Make sure  
your house  
isn't between  
you and your  
SAM

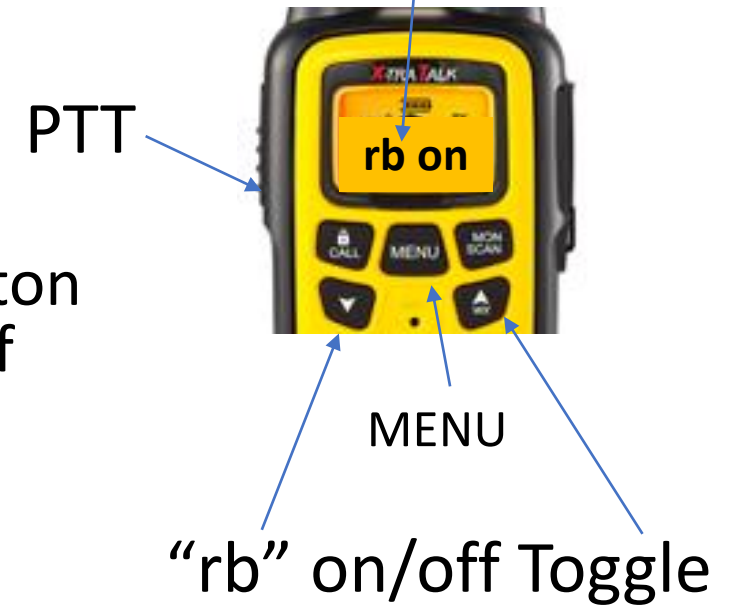


# ROGER BEEP (end of transmission) TONE

When the PTT button is released, the radio will beep to confirm to other users that your transmission has finished.

- To turn the ROGER BEEP tone on, press the MENU button until the display shows a “rb” icon while on the right of the “rb” display, an “oF” icon appears. Select “on” by pressing the ▲\▼ buttons and push the PTT key, or press the MENU button to move to the next feature setting.
- To turn the ROGER BEEP tone off, press the MENU button until the display shows a “rb” icon while on the right of the “rb” display, an “on” icon appears. Select “oF” by pressing the ▲\▼ buttons and push the PTT key, or press the MENU button to move to the next feature setting.

## Roger Beep Indicator





# TRANSMIT (TX) POWER LEVEL SELECTION



Push to Talk  
(PTT)



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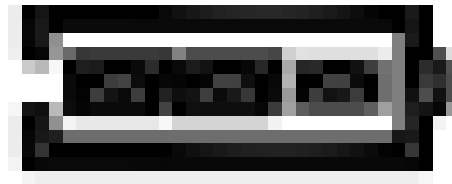
- To confirm, press the PTT button or press the MENU button again to move to the next feature setting.
- When the PTT button is pressed during Lo Battery Level condition, the TX Power will automatically switch from Hi(H) to Lo(L) level.

Select TRANSMIT POWER LEVEL

# Battery Meter/Battery Low Indicator



- LOW BATTERY LEVEL INDICATOR Your LXT600 Series has a BATTERY LEVEL METER that shows the battery power level.
- The greater the number of bars visible, the stronger the battery level.
- When the battery level is low, the Battery Shell icon will flash in the display indicating your batteries should be replaced or recharged if using a rechargeable battery pack.
- Turn off radio when not in use.



## Part IV: LXT630 Tips

- Turn off radio when not in use.
- Remove batteries when radio not in use for a couple days.
- Use LOW power setting, if possible, for extended use.
- Avoid buildings or large hills blocking Line of Sight
- Hold radio vertical when using
- Speak across the front of the radio, rather than into it



