# How to Use Your Cobra 29 LX BT

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## Features of This Product
- Selectable 4-Color LCD Display
- Advanced Bluetooth® Connectivity
- NightWatch® Illumination
- 10 Weather Channels
- Weather Scan
- Emergency Weather Alert
- 40 CB Radio Channels
- 40 Channel Scan
- Memory Channels
- Channel Frequency Read-Out
- Radio Check Diagnostic
- Clock/Timer/Alarm
- Heavy-Duty Electret Microphone with Phone Function
- Full 4 Watts AM RF Power Output
- SWR Calibration Meter
- Instant Channel 19 and 9
- Front Panel 6-Pin Microphone Connector
- Switchable Automatic Noise Limiter & Noise Blanker
- Adjustable Dynamike Boost
- Tactile Controls
- 9 Ft Mic Cord
- Programmable Dimmer Control
- RF Gain
- USB Output
- External Push-To-Talk Jack
- External Microphone Jack

## Bluetooth® Features
- Dual Point Bluetooth®
- Caller I.D.
- A2DP Audio Streaming
- Auto Phone Book Download

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Location

Plan location of transceiver and microphone bracket before starting the installation.

Select a location that is convenient for operation, yet does not interfere with the driver or passenger.

The transceiver is usually mounted to the underside of the dash with the microphone bracket beside it.

Mounting and Connection

Note

The transceiver is held in the universal mounting bracket by two thumbscrews which allow for adjustment at a convenient angle.

The bracket includes two self-tapping screws and star washers. The mounting must be mechanically strong, conveniently located.

1. Hold the radio with the mounting bracket in the exact desired location. If there is no interference, remove the bracket and use it as a template to mark the location for the mounting screws.

2. Drill the holes and secure the bracket.

3. Connect the antenna cable plug to the receptacle marked “ANT” on the back of the unit.

continued
Note
Before installing the CB radio, visually check the vehicle’s battery connection to determine which terminal, positive or negative, is grounded (positive is the larger of the two) to the engine block (or chassis). A negatively grounded vehicle has its negative lead grounded to the chassis.

Note
Connecting to an accessory fuse prevents the unit from being left on accidentally, and also permits operating the unit without running the engine.

Note
In positive ground vehicles the red wire goes to the chassis and the black wire is connected to the ignition switch.

Note
When connected to an accessory fuse, unit will self test the emergency weather alert automatically when ignition is turned on. Turns itself on & off.

4 In a negative grounded vehicle, connect the red lead of the DC power cord to an accessory 12 volt fuse.

5 Connect the black lead to the negative side of the vehicle. This is usually the chassis. Any convenient location with a good electrical contact (remove paint) may be used.

6 Plug power cable into back of unit marked “Power”. Be sure to observe polarity markings.

7 Mount the microphone bracket on either side of the unit (driver’s left) using two screws supplied. Bracket should be placed under the dash so microphone is readily accessible.

8 Attach the microphone cable to receptacle on front of unit and install unit in bracket securely.

Note
If microphone is not connected, audio will not be heard at speaker.
## CB Antenna

Since the maximum allowable power output of the transmitter is limited by the FCC, the antenna is critical in affecting transmission distance. Only a properly matched antenna system will allow maximum power output. Cobra loaded type antenna models are highly recommended for most installations. **For models with Weather Feature (WX), a Dual Band (Center Load/Base Load) antenna is recommended.** Consult your Cobra dealer for further details, or call 773.889.3087 and speak to a Cobra representative.

### Note

For optimum performance in passenger cars the ideal antenna location is on the center of the roof. Second choice is on the center of the trunk.

### Note

Because many newer trucks feature fiberglass door skins, the outside mirror must be grounded to the chassis via a ground strap, if the antenna is mounted on the mirror bracket.

### Note

3-way Combination Antennas are also available which allow operation of all three bands (AM-FM & CB), using a single antenna. However, this type of antenna usually results in less than normal transmit and receive range when compared to a standard-type “Single Band” CB antenna. Call 773-889-3087 for further information.

### Marine Installation

The transceiver will not operate at maximum efficiency in a boat without a ground plate, (unless it has a steel hull). Before attempting installation, consult your dealer for information regarding an adequate grounding system and prevention of electrolysis between fittings in the hull and water.

### A standard antenna connector is provided on the transceiver for easy connection.

## Ignition Noise Interference

Use of a mobile receiver at low signal levels is normally limited by the presence of electrical noise. The primary source of noise in automobiles is from the alternator and ignition system. Typically, when signal level is adequate, the background noise does not present a serious problem. Also, when extremely low level signals are being received, the transceiver may be operated with the vehicle’s engine turned off. The unit requires very little current and therefore will not significantly discharge the vehicle’s battery.

Even though the Cobra 29 LX BT has an automatic noise limiter, in some installations ignition interference may be high enough to make good communications impossible. Many possibilities exist and variations between vehicles require different solutions. Consult your Cobra dealer or a 2-way radio technician for help in locating the source of a severe noise.

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Turning On

Make sure the power cord, antenna and microphone are connected to their proper connectors before starting.

1. Rotate the On/Off Volume knob clockwise to turn unit on and adjust to a normal listening level.

2. Press the CB/WX button to change modes.

Setting Channel Selector

Select one of forty channels and adjust volume. The selected channel (1 through 40) will be indicated by the readout directly above the channel selector knob.

Note
Press CB/WX to select CB or weather channel modes.
Calibrate For SWR (Standing Wave Ratio)

SWR calibration is done to properly adjust the length of the antenna and to monitor the quality of the coaxial cable and all RF connections. This calibration is critical in order to achieve optimum performance.

1. Select channel 20.

2. Press SWR/CAL button to select CAL.

3. Push and hold mic button.

4. While holding mic button adjust the SWR CAL knob so the meter swings to the CAL mark on the meter (located on the right).

Note
Calibration must be made in an open area (never in a garage). Vehicle doors must be closed. No one should be standing near the antenna. (See your antenna directions for more complete information).

Note
The reading will be slightly higher on Channels 1 and 40 compared to Channel 20.
Calibrate for SWR continued

**Note**
When switched to SWR mode the meter reading should ideally be as far to the left as possible. Anything over 3 is not acceptable. A slight antenna height adjustment (higher or lower) may be required. Repeat recalibration steps.

To Receive

1. Rotate the **On/Off Volume** knob **clockwise**. The RX icon will be displayed.

2. Release the PTT button, press and release the **S/RF-SWR CAL** button to the SWR position. Then press the PTT button to read the SWR reading.

3. Repeat the same steps two through five on Channel 1 and 40. This will check SWR for all channels.

Selecting A Channel

Unit should be in CB mode. Rotate **channel selector** clockwise or counter-clockwise to select desired channel.

S-Meter

Swings proportionately to strength of incoming signal when receiving.

The **S/RF-SWR-CAL** switch must be in the S/RF setting to read the meter.
**To Transmit**

**Caution!**
Be sure the antenna is properly connected to the radio before transmitting. Prolonged transmitting without an antenna, or a poorly matched antenna, could cause damage to the transmitter.

Be sure to read the F.C.C. Rules and Regulations included with this unit before transmitting.

1. Select desired channel.

2. Push and hold mic button to transmit. Transmitter is now activated. When transmitting, hold the microphone two inches from your mouth and speak in a clear, normal voice. Release to receive.

**Setting Dynamike®**

This controls the microphone sensitivity (outgoing audio level).

Initially, set fully clockwise so that maximum voice volume is available. Dynamike may have to be reduced in some conditions.

**Setting TalkBack**

This control is used to adjust the desired amount of modulation talk back is present at the speaker during transmit.

At fully counter-clockwise position the TalkBack is Off.
Operation

**Menu Mode**

**Note**
Use Dim/Escape button to exit from any routine back to CB standby mode.

**Menu Mode**
Used to program special features. **Menu/Enter** knob is used to move cursor to desired feature to program.

Rotate **Menu/Enter** knob clockwise to navigate menu levels.

Press **Menu/Enter** knob to select feature to be programmed.

**Level 1:**
- SET CLOCK
- ALARM CLOCK
- SET COUNT DOWN

**Level 2:**
- KEY TONES
- WX ALERT
- WX ALERT SCAN

**Level 3:**
- WX AUTO SCAN
- DISPLAY COLOR
- BRIGHTNESS

**Level 4:**
- BRIGHTNESS
- DISPLAY COLOR
- WX ALERT SCAN

**Level 5:**
- SETTING
- BLUETOOTH
- EXIT

**Setting the Clock**
Using the clock, alarm and countdown functions.
To set the clock, press **Menu/Enter** knob and select **Set Clock**.

12:00 PM will appear in the display and the hours will flash. Rotate **Menu/Enter** knob clockwise to select desired hour and press to set.

The minutes will then flash. Rotate **Menu/Enter** knob again to select desired minutes and press to set.

Once the minutes are set, AM or PM will then flash. Rotate **Menu/Enter** knob again to select AM or PM and press to set or scroll down to **EXIT** and press to return to main menu.

**Setting the Alarm**
Your 29 LX can be utilized as an alarm clock.
To set the alarm, press **Menu/Enter** knob and select **Set Alarm**.

**Operation**

**Setting the Clock**

**Note**
Normal display will appear if clock has not yet been set.

**Note**
The radio should be connected to a constant 12V source to maintain the time when the radio is turned off.

**Setting the Alarm**

Follow instructions above for setting Alarm Time. Follow instructions above for setting the alarm time and AM or PM.
Operations

Setting the Alarm continued

Note
Default snooze time length is 10 minutes.

Note
Press Dim/Escape button to return to CB standby mode.

Note
Default alarm length is 60 seconds and is set in 10 second increments.

Setting the Count Down Timer

Note
Press Dim/Escape button to return to CB standby mode.

Key Tones Mode

Note
Press Dim/Escape button to return to CB mode.

Radio Check Mode

Note
Press Dim/Escape button to return to CB standby mode.

Test 1 - Battery Level: Confirms that battery voltage level is between 10.8 V to 15.8 V. If in that range, it is “PASS”. Outside of that range, either FAIL LOW” or “FAIL HIGH” will be displayed. Press Menu/Enter knob to advance to next test.

Test 2 - RF Power Output: Confirms 3.3 to 4 Watt output level. Once Push-to-Talk button is pressed, Pass or Fail will be displayed if level is outside limits.

Test 3 - Antenna Mismatch Warning: Press Push-to-Talk button to check antenna/radio for proper matching.
Setting Display Color Mode

1. Press Menu/Enter knob and scroll down to select Display Color.

2. Press and release Menu/Enter to set the color.

3. Rotating Menu/Enter knob clockwise changes the display color from green to blue to amber to red then back to green.

4. Press Menu/Enter knob or escape button again to exit routine.

Note
Select EXIT to return to main menu. Press Dim/Escape button to return to CB mode.

Setting Brightness Mode

Press Menu/Enter knob to select Set Brightness.

Rotate Menu/Enter knob clockwise to Select Brightness. Press Menu/Enter knob to select Day-Bright. Turn Menu/Enter clockwise to increase brightness and turn counter-clockwise to decrease brightness.

To set the day bright level, turn the Menu/Enter knob clockwise to a desired setting and then press Menu/Enter. To set the Night-Dim level, repeat instructions above then select Night-Dim.

Press Menu/Enter knob again to exit routine.

Turn NightWatch Illumination On-Off-Hi-Lo

Press Menu/Enter knob and scroll down to select NW Lighting.

Press Menu/Enter knob or escape button again to exit routine.

Note
Exit will return to menu mode. ESC will exit and return to CB Standby.

Setting Brightness Mode

Note
If an attempt is made to exceed the highest or lowest brightness levels, 1 error beep will be heard.

Note
To select day or night levels, press and release Dim/Escape button once levels are set.

Turn NightWatch Illumination On/Off

Note
To select Hi-LO-OFF, turn menu knob to select and press and release Enter knob.
Setting Contrast Mode

Press Menu/Enter knob and rotate clockwise to select Set Contrast. Press Menu/Enter knob again and rotate clockwise to increase contrast, counter-clockwise to decrease contrast. Press Menu/Enter knob to set contrast.

Press Menu/Enter knob again to exit routine.

Bluetooth®

Calls on a Bluetooth enabled cell phone can be routed through the 29 LX BT speaker or external speaker accessory.

To Pair with a Cell Phone

With 29 LX BT power On, press and hold the BT Button for six seconds to enter Standby mode. A tone will sound to confirm entry to Standby.

A. First time pairing with a cell phone:
   I. A tone will sound to confirm Pairing mode.
   II. Follow the cell phone manufacturer’s instruction to enable its Bluetooth function and enter the PIN (Personal Identification Number) 0000.

III. Successful pairing will be indicated by a tone to confirm entry to Connected mode. A pair record will also be established for subsequent connections.

B. Subsequent pairings with a cell phone:
   I. Follow any cell phone manufacturer instructions if needed, to enable the Bluetooth function.
   II. Successful pairing will be indicated by a tone to confirm entry to Connected mode.

To Answer Calls

1. Press and release the BT Button when the cell phone ring is heard through the 29 LX BT speaker.
2. Speak into the 29 LX BT microphone. The CB function of the unit and PTT Button will be disabled while a call is in progress.
3. Press and release of the BT Button to end the call. A tone will sound.

To Initiate Calls

1. Dial a number according to the cell phone manufacturer’s instructions. The key press and other tones will be heard through the 29 LX BT speaker.
2. Press Send on the cell phone send key a few seconds, you will hear the ring tone for the number you dialed on the CB speaker.
3. Once connected, speak into the microphone.
4. Press and release of the BT Button to end the call. A tone will sound.
5. Press and hold the BT Button for two seconds to redial a number. A tone will sound; and after a few seconds, you will hear the ring tone for the number you dialed.

To Enable or Disable Voice Dialing

If the paired cell phone supports voice dialing, press and release the BT Button twice to toggle between enabling and disabling this feature.

Note

When cell phone calls are in progress using the Bluetooth features, the CB functions of the unit are disabled.

Note

When cell phone calls are in progress using the Bluetooth features, the CB functions of the unit are disabled until the phone call is put on hold (see page 24).

Note

The external microphone (see accessories on page 35) can be plugged into the rear of the unit and clipped to a pocket or lapel for hands-free speech during calls.

When the microphone is plugged in, the main microphone will not pick up speech during calls but will be fully functional for CB operation.

Setting Contrast Mode

Note

If an attempt is made to exceed the highest or lowest contrast levels, 1 error beep will be heard.

Note

Dual Point Bluetooth:

Two cell phones can be paired and used for team drivers.

Note

For Text-to-Speech conversion, an app should be downloaded to your cell phone.

Note

If no further pairing steps are taken, the unit will time-out and return to Standby after five minutes. During the pairing process, press and release the BT Button to cancel the pairing process.

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3. Once connected, speak into the microphone.
4. Press and release of the BT Button to end the call. A tone will sound.
5. Press and hold the BT Button for two seconds to redial a number. A tone will sound; and after a few seconds, you will hear the ring tone for the number you dialed.

To Enable or Disable Voice Dialing

If the paired cell phone supports voice dialing, press and release the BT Button twice to toggle between enabling and disabling this feature.
Operation

Bluetooth® continued

Note
If, while on hold the call is dropped, you will hear a sound beep and the CB radio will return to standby.

A2DP Audio Streaming
Allows for voice Caller ID, e-mails and text messages to be read through the CB radio.

Note
A third party app download is required in order for this feature to be functional.

To Place a call on Hold
The display will show:

Press Enter knob. This puts the call on hold allowing CB communication.

To Return to Phone Call
The display will show:

Press Menu Enter knob again.

To Turn Bluetooth Off on the Radio:
Press Menu/Enter and select Bluetooth:

Press Menu/Enter again and select Bluetooth:

Press and select Off.

Weather Alert
What You Should Know About Weather
If threatening weather is nearby, the National Weather Service may broadcast a 10 second alert tone. This tone will be heard through the CB, even if the CB/WX Control is in the CB mode or the unit is turned off.

This enables you to monitor CB frequencies and still be warned by the National Weather Service Emergency Alert. When you hear the alert, press the CB/WX button in the WX mode. You will then be able to hear the Weather Warning Broadcast. Your 29 LX BT has a special auto squelch circuit for weather transmission which disables your squelch control.

Weather Alert Scan
The unit will continually scan all 10 WX channels for 1050 Hz tone. If the tone is detected the unit will activate WX mode on the channel with the tone. Default state is Off. Go to Menu mode to choose On/Off (see page 22):

Weather Auto Scan
If active while in CB mode, will determine if the present WX channel is active. If the present WX channel is not active, will search for the strongest WX channel and auto change to that channel. Default is off. Go to Menu mode to choose on/off (see page 22).

Weather Information

Note
If you wish to receive a listing of NOAA Weather Radio Transmitter locations, contact your nearest National Weather Service Office or write to: National Weather Service (Attn: W/OM11) NOAA Silver Springs, MD 20910.

For ideal weather reception use a dual band antenna (center load/baseload).

Weather Channels
What is Weather Radio?
NOAA Weather Radio (NWR) is a service of the National Oceanic and Atmospheric Administration (NOAA), of the U.S. Department of Commerce. 380 NWR stations are in operation by the U.S. Government in addition to several NWR stations that are maintained by private interest groups. The capability is to supplement warnings by sirens and by commercial radio and television. The 10 National Weather Channels provide full coverage to keep you informed of weather conditions, 24 hours a day, 7 days a week.
Operation

Weather Alert Mode

Setting Weather Alert Mode
Press Menu/Enter knob to select Set WX Alert. If Weather is On, WX Alert Icon will be displayed.

Setting Weather Scan
Press Menu/Enter knob to select On/Off and exit to main menu.

Note
Press Dim/Escape button to return to CB mode.

Setting Weather Auto Scan
Press Menu/Enter knob and rotate clockwise to WX Auto Scan. Press Menu/Enter knob to select On/Off.

Note
Press Dim/Escape button to return to CB mode.

Software Version/Factory Settings
Displays current software version and returns unit to original factory settings. To view software version, rotate Menu/Enter knob clockwise to select Settings then Software Version.

Software Version/Factory Settings
To restore default settings, Press Menu/Enter knob again. Rotate Menu/Enter knob clockwise to select Settings then Go To Default.

Note
Default display color is green.

Setting Weather Alert Scan
Press Menu/Enter knob and rotate clockwise to WX Alert Scan. Press Menu/Enter knob to select On/Off.

Press Menu/Enter knob to select On/Off and exit to main menu.

Setting Weather Auto Scan
Press Menu/Enter knob and rotate clockwise to WX Auto Scan. Press Menu/Enter knob to select On/Off.

Press Menu/Enter knob to select On/Off and exit to main menu.

Press Menu/Enter knob to restore default settings. Choose NO to maintain present setting with no change.
Operation

NB-ANL/OFF (Noise Blanker/Automatic Noise Limiter) Button

Note
The RF noise blanker is very effective in reducing repetitive noises such as ignition interference.

When switched to ANL the Automatic Noise Limiter is activated. This helps reduce noise created by the vehicle's electronics.
When switched to NB/ANL mode the RF Noise Blanker is also activated, providing increased noise filtration.
When switched to OFF mode all noise filtration will be turned off.

Setting Delta Tune

Rotate Delta Tune knob to the center position for optimum tuning.

RF Gain Control

The RF Gain is used to optimize reception in strong or weak signal areas.

Rotate the RF Gain knob counterclockwise to reduce gain in strong signal areas. In weak signal areas turn clockwise to increase gain.

Program Memory Channels

Set first channel. Press and hold Scan/MemScan button. Memory icon will appear. Select second channel, press and hold Scan/MemScan button again until Memory icon appears. Repeat above steps to enter up to 10 channels in memory.

Pressing the Scan/Memory Scan button toggles from Off to Scan All Channels to Memory Channel Only Scan and back to Off.

Press Dim/Escape button to end Scan and return to CB mode.

Note
If more than 10 channels are attempted to be programmed, 3 error beeps will be heard and “Memory Full” will be displayed for 10 seconds or until any button is pushed.

Note
If in WX mode the unit will scan Weather channels.

Note
If in WX mode the unit will scan Weather channels.

Note
To remove a channel from memory, go to the unwanted memory channel then press and hold the scan button until the MEM icon turns off.

Note
The radio should be squelched before scan features are activated.

Note
Keying the microphone will stop the scan feature.

1. Set first channel. Press and hold Scan/MemScan button. Memory icon will appear.
2. Select second channel, press and hold Scan/MemScan button again until Memory icon appears.
3. Repeat above steps to enter up to 10 channels in memory.

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Press Dim/Escape button to end Scan and return to CB mode.
Operation

Scan CB Channels

Scan CB Channels
To scan all 40 CB channels, the unit must be squelched. Press and release Scan/Mem Scan button once.

Scan Memory Channels

Scan Memory Channels
To scan memory channels, press and release Scan/Mem Scan button twice.

Dimmer Control

Dimmer Control
Press Dim/Esc button to toggle between day and night settings. See setting instructions on page 21.

Setting Squelch

Squelch is the “control gate” for incoming signals.

1 Full clockwise rotation closes the gate allowing only very strong signals to enter.

2 Full counterclockwise rotation opens the “gate” allowing all signals in.
Setting Squelch
Continued

Gate set to Desired
Squelch Setting (DSS)

- STRONG SIGNALS
- MEDIUM SIGNALS
- WEAK SIGNALS
- NOISE

S/RF Meter

This meter swings proportionately to the RF output (outgoing signal) while transmitting.

1. The S/RF-SWR-CAL button must be in the S/RF mode.

3. To achieve the Desired Squelch Setting (DSS), turn the Squelch control *counterclockwise* until you hear noise. Now turn the control *clockwise* just until the noise stops. This is the DSS setting.

External Speaker

The external speaker jack is used for remote receiver monitoring.

1. Connect an external speaker to the external speaker jack on the rear panel.

External Push-to-Talk Jack

The external push-to-talk jack is used for remote transmit function with optional PTT (see accessory page 44) and when the external microphone is connected.

1. Connect an external push-to-talk to the external push-to-talk jack on the rear panel.

External Microphone Jack

The external microphone jack is used to connect the supplied external microphone for phone use only. When the external PTT (above) is connected, the external microphone can be used for both CB and phone voice transmissions.

1. Connect the external microphone (included) to the external microphone jack on the rear panel.

Note

- The external speaker should have 8-ohm impedance and be rated to handle at least 4.0 watts. When the external speaker is plugged in, the internal speaker is automatically disconnected.
- Cobra external speakers are rated at 10 watts.

Note

USB Output:
This jack is used to charge or power most 5 Volt USB devices.
Home And Office Set-Up

Base Station Operation
(From 120V AC House Current)

To operate your transceiver from home or office you will need a 13.2 volt DC Power Pack rated at a minimum of 2 amps, and a properly installed base station antenna.

Warning!
Do not attempt to operate this transceiver by connecting it directly to 120V AC.

Note
For further information call Cobra Customer Service 1.773.889.3087.

1. Simply connect the red (+) and black (-) leads of the transceiver to the corresponding terminals of the power pack.

Temporary Mobile Set-Up

Temporary Mobile Operation
For temporary mobile operation you may want to purchase an optional cigarette lighter adapter from your COBRA dealer. This adapter and a magnetic mount antenna allow you to quickly "install" your transceiver for temporary use.

2. Plug power cable into back of unit marked “Power”. Be sure to observe polarity markings.

3. Connect properly installed and matched base station antenna.
How Your CB Can Serve You

The FCC gives these examples of permitted and prohibited messages for channel 9. These are only guidelines and not all-inclusive:

<table>
<thead>
<tr>
<th>Permitted</th>
<th>Example Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>“Tornado sighted six miles north of town.”</td>
</tr>
<tr>
<td>No</td>
<td>“Post number 10. No tornado sighted.”</td>
</tr>
<tr>
<td>Yes</td>
<td>“Out of gas on I-95 at mile marker 211.”</td>
</tr>
<tr>
<td>No</td>
<td>“Out of gas in my driveway.”</td>
</tr>
<tr>
<td>Yes</td>
<td>“Four car accident on I-94 at Exit 11. Send police and ambulance.”</td>
</tr>
<tr>
<td>No</td>
<td>“Traffic moving smoothly on I-94.”</td>
</tr>
<tr>
<td>Yes</td>
<td>“Weather Bureau has issued thunderstorm warning. Bring sailboat into port.”</td>
</tr>
<tr>
<td>No</td>
<td>“Attention motorists. Weather Bureau advises snow tomorrow will accumulate 4 to 6 inches.”</td>
</tr>
<tr>
<td>Yes</td>
<td>“Fire in building at 539 Main, Evanston.”</td>
</tr>
<tr>
<td>No</td>
<td>“Halloween patrol number 3. All quiet.”</td>
</tr>
</tbody>
</table>

A Few Rules You Should Know

A. Conversations cannot last more than 5 minutes with another station. A one minute break is required to let others use the channel.
B. You cannot blast others off the air by use of illegally amplified transmitters or illegally high antennas.
C. You cannot use CB to promote illegal activities.
D. Profanity is not allowed.
E. You may not transmit music with a CB.
F. Selling of merchandise and/or services is prohibited.

1. Set to channel 9 for emergencies
   Be sure antenna is properly connected.

2. CB Distress Data
   When transmitting an emergency, you should request a “REACT BASE” and provide the CB distress data (called CLIP):

   C all Sign Identify yourself.
   L ocation Be exact.
   I njuries Number. Type. Trapped?
   P roblem Give details and help needed.

   Transmit CLIP repeatedly so any monitor can assist.

Note

If no response on channel 9, try channels 19 or 14.
How Your CB Can Serve You

CB 10-Codes

Citizen Bands have adopted the “10-CODES” for standard questions and answers. These codes provide quick and easy communication, especially in noisy areas. Following are some of the more common codes and meanings:

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-1</td>
<td>Receiving poorly</td>
</tr>
<tr>
<td>10-2</td>
<td>Receiving well</td>
</tr>
<tr>
<td>10-3</td>
<td>Stop transmitting</td>
</tr>
<tr>
<td>10-4</td>
<td>OK, message received</td>
</tr>
<tr>
<td>10-5</td>
<td>Relay message</td>
</tr>
<tr>
<td>10-6</td>
<td>Busy, stand by</td>
</tr>
<tr>
<td>10-7</td>
<td>Out of service, leaving</td>
</tr>
<tr>
<td>10-8</td>
<td>In service, subject to call</td>
</tr>
<tr>
<td>10-9</td>
<td>Repeat message</td>
</tr>
<tr>
<td>10-10</td>
<td>Transmission completed standing by</td>
</tr>
<tr>
<td>10-11</td>
<td>Talking too rapidly</td>
</tr>
<tr>
<td>10-12</td>
<td>Visitors present</td>
</tr>
<tr>
<td>10-13</td>
<td>Advise weather/roads</td>
</tr>
<tr>
<td>10-16</td>
<td>Make pick up at</td>
</tr>
<tr>
<td>10-17</td>
<td>Urgent business</td>
</tr>
<tr>
<td>10-18</td>
<td>Anything for us?</td>
</tr>
<tr>
<td>10-19</td>
<td>Return to base</td>
</tr>
<tr>
<td>10-20</td>
<td>My location is</td>
</tr>
<tr>
<td>10-21</td>
<td>Call by phone</td>
</tr>
<tr>
<td>10-22</td>
<td>Report in person to</td>
</tr>
<tr>
<td>10-23</td>
<td>Stand by</td>
</tr>
<tr>
<td>10-24</td>
<td>Completed last assignment</td>
</tr>
<tr>
<td>10-25</td>
<td>Can you contact</td>
</tr>
<tr>
<td>10-26</td>
<td>Disregard last info</td>
</tr>
<tr>
<td>10-27</td>
<td>Moving to channel</td>
</tr>
<tr>
<td>10-28</td>
<td>Identify your station</td>
</tr>
<tr>
<td>10-29</td>
<td>Time is up for contact</td>
</tr>
<tr>
<td>10-30</td>
<td>Does not conform to FCC rules</td>
</tr>
<tr>
<td>10-33</td>
<td>Emergency traffic</td>
</tr>
<tr>
<td>10-34</td>
<td>Trouble at this station</td>
</tr>
<tr>
<td>10-35</td>
<td>Confidential information</td>
</tr>
<tr>
<td>10-36</td>
<td>Correct time is</td>
</tr>
<tr>
<td>10-37</td>
<td>Wrecker needed at</td>
</tr>
<tr>
<td>10-38</td>
<td>Ambulance needed</td>
</tr>
<tr>
<td>10-39</td>
<td>Message delivered</td>
</tr>
<tr>
<td>10-41</td>
<td>Turn to channel</td>
</tr>
<tr>
<td>10-42</td>
<td>Traffic accident at</td>
</tr>
<tr>
<td>10-43</td>
<td>Traffic tie up at</td>
</tr>
<tr>
<td>10-44</td>
<td>Have a message for</td>
</tr>
<tr>
<td>10-45</td>
<td>All units within range please report</td>
</tr>
<tr>
<td>10-50</td>
<td>Break channel</td>
</tr>
<tr>
<td>10-60</td>
<td>What is next message number?</td>
</tr>
<tr>
<td>10-62</td>
<td>Unable to copy. Use phone</td>
</tr>
<tr>
<td>10-63</td>
<td>Net directed to</td>
</tr>
<tr>
<td>10-64</td>
<td>Net clear</td>
</tr>
<tr>
<td>10-65</td>
<td>Awaiting your next message/assignment</td>
</tr>
<tr>
<td>10-67</td>
<td>All units comply</td>
</tr>
<tr>
<td>10-70</td>
<td>Fire at</td>
</tr>
<tr>
<td>10-71</td>
<td>Proceed, transmission in sequence</td>
</tr>
<tr>
<td>10-77</td>
<td>Negative contact</td>
</tr>
<tr>
<td>10-81</td>
<td>Reserve hotel room for</td>
</tr>
<tr>
<td>10-82</td>
<td>Reserve room for</td>
</tr>
<tr>
<td>10-85</td>
<td>My address is</td>
</tr>
<tr>
<td>10-91</td>
<td>Talk closer to mic</td>
</tr>
<tr>
<td>10-93</td>
<td>Check my frequency on this channel</td>
</tr>
<tr>
<td>10-94</td>
<td>Give me a long count</td>
</tr>
<tr>
<td>10-99</td>
<td>Mission completed, all units secure</td>
</tr>
<tr>
<td>10-200</td>
<td>Police needed at</td>
</tr>
</tbody>
</table>
The Cobra 29 LX BT transceiver represents one of the most advanced AM two-way radios used as a Class D station in the Citizens Radio Service. This unit features advanced Phase Lock Loop (PLL) circuitry providing complete coverage of all 40 CB channels.

<table>
<thead>
<tr>
<th>CB Channel</th>
<th>Channel In MHz</th>
<th>CB Channel</th>
<th>Channel In MHz</th>
<th>WX Channel</th>
<th>Freq. In MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>26.965</td>
<td>2</td>
<td>27.215</td>
<td>1</td>
<td>162.550</td>
</tr>
<tr>
<td>2</td>
<td>26.975</td>
<td>22</td>
<td>27.225</td>
<td>2</td>
<td>162.400</td>
</tr>
<tr>
<td>3</td>
<td>26.985</td>
<td>23</td>
<td>27.255</td>
<td>3</td>
<td>162.475</td>
</tr>
<tr>
<td>4</td>
<td>27.005</td>
<td>24</td>
<td>27.235</td>
<td>4</td>
<td>162.425</td>
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<tr>
<td>5</td>
<td>27.015</td>
<td>25</td>
<td>27.245</td>
<td>5</td>
<td>162.450</td>
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<tr>
<td>6</td>
<td>27.025</td>
<td>26</td>
<td>27.265</td>
<td>6</td>
<td>162.500</td>
</tr>
<tr>
<td>7</td>
<td>27.035</td>
<td>27</td>
<td>27.275</td>
<td>7</td>
<td>162.525</td>
</tr>
<tr>
<td>8</td>
<td>27.055</td>
<td>28</td>
<td>27.285</td>
<td>8</td>
<td>161.650</td>
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<tr>
<td>9</td>
<td>27.065</td>
<td>29</td>
<td>27.295</td>
<td>9</td>
<td>161.775</td>
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<tr>
<td>10</td>
<td>27.075</td>
<td>30</td>
<td>27.305</td>
<td>10</td>
<td>163.275</td>
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<tr>
<td>11</td>
<td>27.085</td>
<td>31</td>
<td>27.315</td>
<td></td>
<td></td>
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<tr>
<td>12</td>
<td>27.105</td>
<td>32</td>
<td>27.325</td>
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<tr>
<td>13</td>
<td>27.115</td>
<td>33</td>
<td>27.335</td>
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<td></td>
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<tr>
<td>14</td>
<td>27.125</td>
<td>34</td>
<td>27.345</td>
<td></td>
<td></td>
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<td>15</td>
<td>27.135</td>
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<td>27.355</td>
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<td>16</td>
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<td>17</td>
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<tr>
<td>18</td>
<td>27.175</td>
<td>38</td>
<td>27.385</td>
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<td></td>
</tr>
<tr>
<td>19</td>
<td>27.185</td>
<td>39</td>
<td>27.395</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>27.205</td>
<td>40</td>
<td>27.405</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TRANSMITTER**
- Power Output: 4 watts
- Modulation: AM (Amplitude Modulation)
- Frequency Response: 300 to 3000 Hz
- Output Impedance: 50 ohms, unbalanced

**RECEIVER**
- Sensitivity: Less than 1 µV for 10 dB (S+N)/N
- Selectivity: 6 dB @ 7 KHz, 60 dB @ 10KHz
- Image Rejection: 80 dB, typical
- Adjacent-Channel Rejection: 60 dB, typical
- IF Frequencies: Double Conversion: 1st: 10.695 MHz
  2nd: 455 KHz
- Automatic Gain Control (AGC): Less than 10 dB change in audio output for inputs from 10 to 30,000 microvolts
- RF Gain range: 40 db
- Noise Blanker: RF type
- Squelch: Adjustable; threshold less than 1µV
- Audio Output Power: 4 watts
- Frequency Response: 300 to 3000 Hz
- Distortion: Less than 7% @3 watts @ 1000 Hz
- Built-in Speaker: 8 ohms, 5w
- External Speaker (Not Supplied): 8 ohms; disables internal speaker when connected

**PA SYSTEM**
- Power Output: 4 watts into external speaker
- External Speaker for PA: 8 ohms 4 Watts min.
- [Not Supplied] the PA speaker also monitors the receiver; separate jack provided

[SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE]
Limited Two Year Warranty

COBRA ELECTRONICS CORPORATION warrants that its Cobra CB Radios, and the component parts thereof, will be free of defects in workmanship and materials for period of two (2) years from the date of first consumer purchase. This warranty may be enforced by the first consumer purchaser, provided that the product is utilized within the U.S.A.

Cobra will, without charge, repair or replace, at its option, defective CB radios, products or component parts upon delivery to the Cobra factory Service Department, accompanied by proof of the date of first consumer purchase, such as a duplicated copy of a sales receipt.

You must pay any initial shipping charges required to ship the product for warranty service, but the return charges will be at Cobra’s expense, if the product is repaired or replaced under warranty.

Exclusions: This limited warranty does not apply; 1) to any product damaged by accident; 2) in the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs; 3) if the serial number has been altered, defaced or removed; 4) if the owner of the product resides outside the U.S.A.

All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited in duration to the length of this warranty. Cobra shall not be liable for any incidental, consequential or other damages; including, without limitation, damages resulting from loss of use or cost of installation.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

Optional Accessories

You can find quality Cobra products and accessories at your local Cobra dealer, or in the U.S.A., you can order directly from Cobra. See ordering info on page 44.

Cobra Electronics Corporation
6500 West Cortland Street
Chicago, Illinois 60707
www.cobra.com
The Citizens Band lies between the shortwave broadcast and 10-meter Amateur radio bands, and was established by law in 1949. The Class D two-way communications service was opened in 1959. (CB also includes a Class A citizens band and Class C remote control frequencies.)

FCC Regulations
FCC regulations permit only "transmissions" (one party to another) rather than "broadcasts" (to a wide audience). Thus, advertising is not allowed on CB Channels because that is "broadcasting."

FCC Warnings
All transmitter adjustments other than those supplied by the manufacturer as front panel operating controls, must be made by, or under the supervision of, the holder of an FCC-issued General Radio-Telephone Operator's License.

Replacement or substitution of transistors, regular diodes or other parts of a unique nature, with parts other than those recommended by Cobra, may cause violation of the technical regulations of Part 95 of the FCC Rules, or violation of Type Acceptance requirements of Part 2 of the Rules. You should read and understand Part 95 (included with this unit) of the FCC Rules and Regulations, before operating your Cobra radio, even though the FCC no longer requires you to obtain an operator's license.

What's Included with Your 29 LX BT
1. CB transceiver  5. External Microphone
3. Transceiver bracket  7. DC power cord
4. Microphone bracket  8. FCC rules (not shown)

Nothing Comes Close to a Cobra®
Thank you for purchasing the Cobra 29 LX BT CB Radio with Bluetooth® Wireless Technology. Properly used, this Cobra product will give you many years of reliable service.

**Customer Support**

Should you encounter any problems with the product or not understand its many features, please refer to this owner’s manual. If, after referring to the manual, you still need help, call Cobra Customer Service at 773.889.3087.

**Cobra Customer Service**

Live operators are available M-F 8:00 am - 5:30 pm Central Time at: 773-889-3087.

Automated Technical Assistance available 24 hours a day, seven days a week. E-mail questions to: productinfo@cobra.com

Cobra on the World Wide Web:

Frequently Asked Questions (FAQ) can be found on-line at: www.cobra.com

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**Controls and Indicators**

### Front Side
1. 6-Pin Microphone Connector
2. Power On/Off, Volume
3. Squelch
4. Dynamike
5. Menu/Enter/Channel Selector
6. RF Gain
7. Delta Tune
8. Talk Back Control
9. SWR Calibration
10. Dim/Escape Button
11. Channel 9/Channel 19 Button
12. Scan/Memory Scan
13. CB/WX Weather Button
14. LCD Display
15. RX (Receive)/TX (Transmit), Indicators
16. Signal Strength Meter
17. NB/ANL Button
18. S/RF SWR CAL Button
19. Microphone

### Back Side
20. External Push-to-Talk Jack
21. External Speaker Jack
22. Antenna Connector
23. Power Jack
24. External Microphone Jack
25. USB Connector

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**Our Thanks to You**

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**Optional Accessories**

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**NOTE**

This box complies with part 15 of the FCC Rules. Operation is subject to the following two (2) conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications to this equipment. Such modifications could void the user’s authority to operate the equipment.

---

**External Push-to-Talk Assembly**

For in vehicle use
CA 4554 PTT

**Ordering From U.S.A.**

Call 773-889-3087 for pricing or visit www.cobra.com.

For Credit Card Orders
Call 773-889-3087 [Press one from the main menu] 8:00 a.m. to 5:30 p.m. Central Time, Monday through Friday.

Make Check or Money Order Payable To
Cobra Electronics, Attn: Accessories Dept., 6500 West Cortland Street, Chicago, IL 60707 U.S.A.

To Order Online
Please visit our website: www.cobra.com