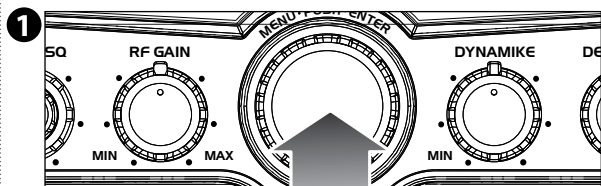


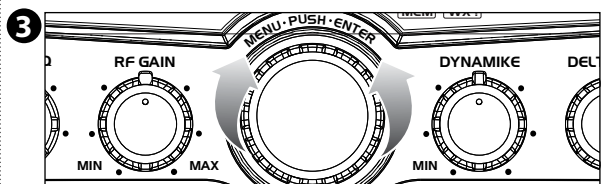
Setting the Display Color Mode



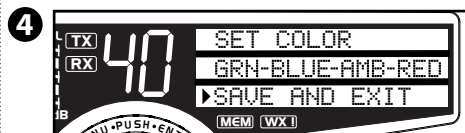
Press the **Menu/Enter** knob and select **Display Color**.



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



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



Press the **Menu/Enter** knob to save and exit and set the **Brightness** mode.

Setting Brightness Mode

Press **Menu/Enter** knob to select **Brightness**



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



To set the **Night-Dim** level, select **Night-Dim** then repeat instructions above.



Press **Menu/Enter** knob to save and exit routine. Press **DIM/ESC** to exit menu without saving.

Turn NightWatch Illumination On-Off-Hi-Low

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



Rotate the **Menu/Enter** knob clockwise to change the setting to **HI-LOW** or **OFF**.

Press the **Menu/Enter** knob to save and exit.

Note

Exit will return to the previous menu mode. Use **DIM/ESC** button exit and return to CB Standby.

Note

To select **HI-LOW-OFF**, rotate **Menu/Enter** knob to change the setting. Press and release the **Menu/Enter** knob to set the **Nightwatch**® illumination level, save and exit.

Setting Contrast Mode

Press the **Menu/Enter** knob and rotate *clockwise* to select **Set Contrast**.



Rotate the **Menu/Enter** knob *clockwise* to increase contrast, *counter-clockwise* to decrease contrast.

Press the **Menu/Enter** knob to save and exit and continue settings or **DIM/ESC** to exit **Menu** mode.



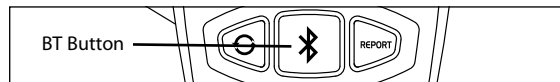
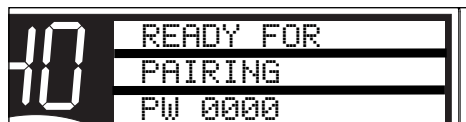
Note

Dual Point Bluetooth:

For team drivers, two cell phones can be paired, however; only one phone can be used at a time.

Bluetooth®

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



To Pair with a Cell Phone

Press and hold the **BT Button** for six seconds to enter **Ready For Pairing** mode. A tone will sound to confirm entry to pairing mode.

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. Select 29 LX MAX from the list of Bluetooth devices. Enter the PIN (Personal Identification Number) 0000 if required. Most smartphones no longer require a PIN entry.

Note

If no further pairing steps are taken, the unit will time-out and return to Standby after 90 seconds. During the pairing process, press and release the **BT Button** or **DIM/ESC** to cancel the pairing process.

Note

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

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 the cell phone manufacturer's instruction, to enable it's **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 MAX speaker.
- 2 Speak into the 29 LX MAX microphone. The CB function of the unit and **PTT Button** will be disabled while a call is in progress.
- 3 Press and release the **BT Button** to end the call. A tone will sound.

Note

When cell phone calls are in progress using the **Bluetooth** features, the CB functions of the unit are disabled unless the phone call is put on hold (see page 27).

To Initiate Calls

- 1 To initiate the phone's voice assistant, if supported, press and release the **BT Button** twice.
- 2 Dial a number according to the cell phone manufacturer's instructions. The key press and other tones will be heard through the 29 LX MAX speaker.
- 3 Press Send on the cell phone, you will hear the ring tone for the number you dialed on the CB speaker. 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.

Note

When dialing a phone number on your phone's keypad, it is recommended that you dial when the vehicle is not in motion.

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

Note

For more information on pairing with **Bluetooth**® devices consult your phone's owners manual.

If you are having trouble initializing or maintaining your **Bluetooth**® connection completely turn off your smartphone and the radio device, wait 30 seconds, and then turn them back on.

Note

The radio will not alert when police are monitoring speed with radar or laser guns.

Downloading the iRadar App

For optimal performance and access to all this radio's advanced features, you should download the iRadar app. To download the app you must enter the iOS App Store or Google Play Store and search for "**Cobra iRadar**". Follow the onscreen instructions to download and install the Cobra iRadar app.

Make sure to check out the Tutorial for a full explanation of app features. The Tutorial can be accessed from the Menu. Information on specific settings and explanations of radar bands can be found by pressing the green info icons in the settings menus. The iRadar app can also be used to change and easily adjust the alert settings.

Pairing/Connecting With Your Radio to Use with the Cobra iRadar App

GPS and iRadar-based features require connection to a **Bluetooth**® device and the Cobra iRadar app. For a full list of compatible **Bluetooth**® devices visit www.bluetooth.com

Please note, this is a newer **Bluetooth**® low-energy technology and pairing is not always done in the same manner and menus as conventional **Bluetooth**®. This radio will NOT APPEAR in the **Bluetooth**® Settings menu of your iPhone®.


For iPhone® 5s and later:

- Power on the CB radio.
- Make sure your iPhone **Bluetooth**® is turned On.
- Start the Cobra iRadar application. Press the Menu icon (three horizontal bars) in the upper left corner of the app and select Devices. Select **29 LX MAX** from the devices list. A successful connection shows under the paired devices list as **29 LX MAX CONNECTED**.
- From the main menu, **29 LX MAX - CONNECTED** appears.



Pairing/Connecting With Your Radio *continued* For Android™ :

- Power on the CB radio.
- Make sure your Android™ **Bluetooth**® is turned On. Press and hold the **Bluetooth**® button on the microphone to put the radio into Bluetooth pairing mode.
- Select **Bluetooth**® from **SETTINGS** on the Android device. The **Available Devices** list should contain the following:

DEVICES:

 **29 LX MAX** (phone functionality)

 **29 LX MAX** (iRadar app functionality)

- Select **29 LX MAX**  to pair and connect to the 29 LX MAX phone call feature. Select **29 LX MAX**  for pairing to the iRadar app. The phone might show "Paired but not connected" in this menu. That's OK as the connection will be completed after opening the iRadar App.
- Enter the iRadar App to complete the connection.
- From the main menu, **29 LX MAX - CONNECTED** appears.

AURA® Location-Based Alerts (LBAs) and iRadar Community

Your radio is capable of providing you with LBAs and iRadar Community threat sharing data when connected to phone running iRadar. The radio uses the GPS in your smartphone to connect to and obtain the latest LBA's and alert you to them. Vehicle speed uses your phone's GPS as well.

Operation

Note

Caution Areas may include: Car on the side of the road, traffic slowdowns, hazard on road, etc.

AURA and iRadAr *continued*

When other iRadAr users detect a radar or laser signal the alert information is anonymously sent to Cobra's cloud servers. Within seconds, that information is processed and displayed on your map as part of a Threat Area.

iRadAr users can also report live police, red light cameras, caution zones, etc. These are also sent to Cobra's cloud servers and displayed on your map and on the radio as user reported Location-Based Alerts (LBA).

The distance will count down as you approach the Location-Based Alerts (LBA) Area. The alert types are:

	Photo-Enforced Areas		Known Speed Trap Areas
	Red-Light Cameras		Caution Areas (High Accident Areas)
	Speed Cameras		

As you approach a threat area, the iRadAr app and the 29 LX MAX will display the type of threat (laser, radar, radar band, etc), the threat level, and when the threat was reported.

Using the Report Button

You can report to the iRadAr Community locations where you see active police enforcement or a caution area by pressing the **REPORT** button on the microphone.

- 1 To report **Live Police**, press and release the **REPORT** button.
- 2 To report a **Caution Area**, press and hold the **REPORT** button for 2 seconds.

A double beep confirmation tone will be heard.

When receiving an alert you can mark the alert **TRUE** or **FALSE** by pressing and releasing the **REPORT** button.

- To mark the alert **TRUE**, press and release the **REPORT** button.
- To mark an alert **FALSE**, press and hold the **REPORT** button for 2 seconds.

A double-beep confirmation tone will be heard.

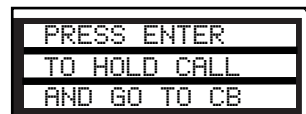
Operation

Note

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

To Place a call on Hold

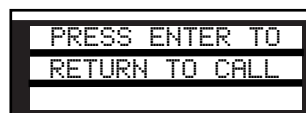
During a call the display will show:



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

To Return to Phone Call

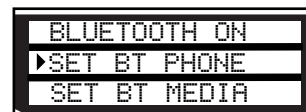
While a call is on hold the display will show:



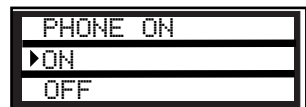
Press **Menu/Enter** knob to resume the call.

To Turn Bluetooth ON/Off on the Radio:

Press **Menu/Enter** and select **Bluetooth**:



Press **Menu/Enter** again to select **Bluetooth**® Phone **ON** or **OFF**:



Press **Menu/Enter** again to select **Bluetooth**® Media **ON** or **OFF**:



A2DP Audio Streaming

Allows your phone's audio to be routed through the CB radio. This way third-party apps that output audio (such as music players, text message and email readers, or Caller ID annunciators) will play through the radio.

Note

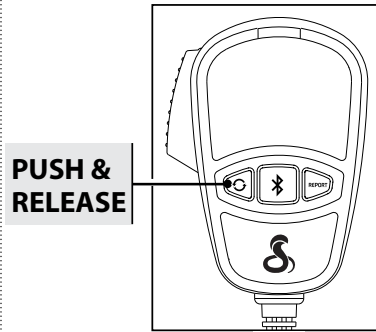
BT PHONE is for hands-free calling.

BT MEDIA is for routing other audio through the radio.

Operation

Rewind-Say-Again®

Your 29 LX MAX allows you to play back the last transmission received over the airwaves and record a 10 second memo to be played back at any time.



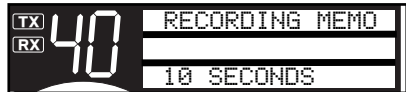
To Playback the Last Transmission

Press and release the **Rewind-Say-Again** button on the mic. The last transmission (up to 10 seconds) that the radio received will be heard over the speaker.



To Record a 10 Second Memo

Press and hold the **Rewind-Say-Again** button on the mic for the duration of the 10 second recording.



Speak into the microphone to record the Memo.

To play back the recorded memo, double press and release the **Rewind-Say-Again** button. The Memo will be heard over the speaker.

Note

The previous Memo recording will be erased when a new one is recorded.

Weather Alert

What You Should Know About Weather

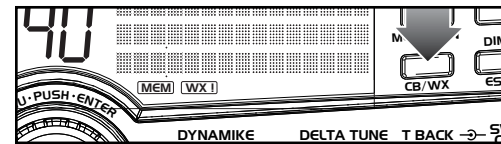
If threatening weather is nearby, the National Weather Service may broadcast a 10 second alert tone. This tone will be heard through the CB, even if the CB/WX Control is in the **CB mode** or the unit is turned off.

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 listen to the Weather Warning Broadcast.

Your 29 LX MAX 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 the (1050 Hz) alert tone. If the tone is detected the unit will activate **WX mode** on the channel with the tone. Default is **Off**. Go to **Menu mode** to choose **On/Off** (see page 30):



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 30).

Operation

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.

Note

Press **DIM/ESC** button to return to CB mode.

Setting Weather Alert Mode

Turns WX Alert On/Off. Default is **Off**. Press the **Menu/Enter** knob to select **Set WX Alert**. If Weather is **On**, WX Alert Icon will be displayed.



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

Note

If an alert is detected the unit will activate WX mode on the channel with the alert.

Setting Weather Alert Scan

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



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

Setting Weather Auto Scan

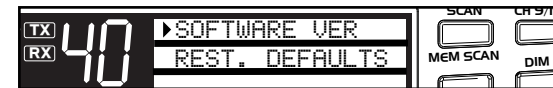
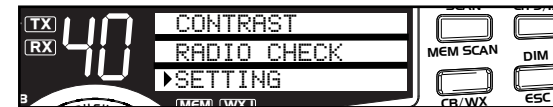
Press the **Menu/Enter** knob and rotate *clockwise* to **WX Auto Scan**. Press the **Menu/Enter** knob to select **On/Off**.



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

Software Version/Factory Settings

Displays current software version and returns unit to original factory settings. To view the software version, press the **Menu/Enter** knob and select **Setting** then **Software Version**.



To restore default settings, Press the **Menu/Enter** knob and select **Settings** then select **Go To Rest. Defaults**.



Press the **Menu/Enter** knob to restore default settings. Choose **No** to maintain present settings with no change.

Note

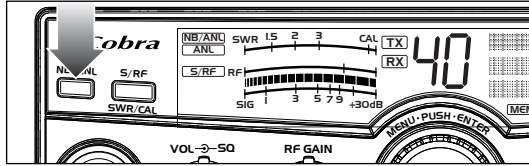
Default display color is blue.

Operation

Note

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

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



When switched to **ANL** mode 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.

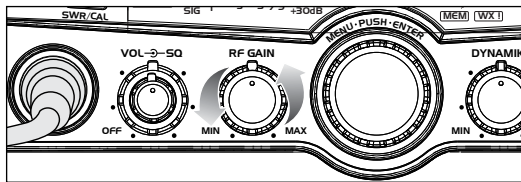
When switched to **Off**, all noise filtration will be turned off.

Setting Delta Tune

Rotate the **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.

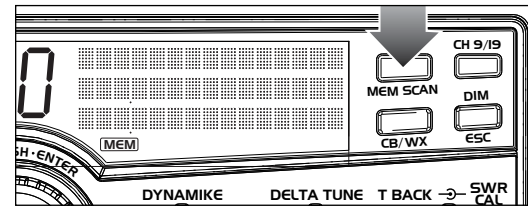
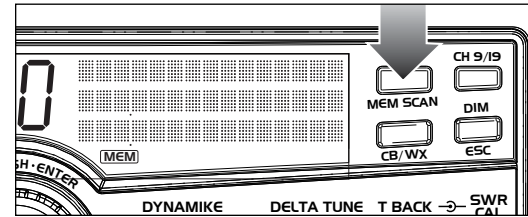


Rotate the **RF Gain** knob *counterclockwise* to reduce gain in strong signal areas. In weak signal areas turn *clockwise* to increase gain.

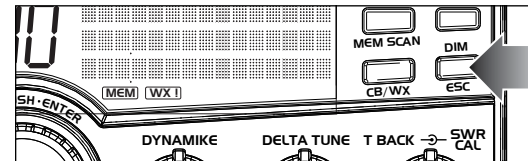
Operation

Program Memory Channels

Set first channel. Press and hold the **SCAN/MEM-SCAN** button. The **Memory** icon will appear. Select a second channel, press and hold the **SCAN/MEM-SCAN** button again until the Memory icon appears. Repeat above steps to enter up to 10 channels in memory.



1 Pressing the **SCAN/MEM-SCAN** button toggles from **Off** to **Scan All Channels** to **Memory Channel Only Scan** and back to **Off**.



2 Press the **DIM/ESC** button to end Scan and return to **CB** mode.

Note

The radio should be squelched before scan features are activated.

Note

Keying the microphone will stop the scan feature.

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

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

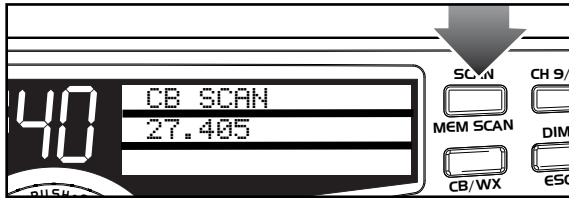
Operation

Note

If in WX mode the unit will scan Weather channels.

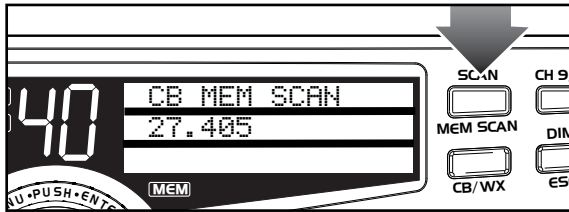
Scan CB Channels

To scan all 40 CB channels, the unit must be squelched. Press and release the **SCAN/MEM-SCAN** button once.

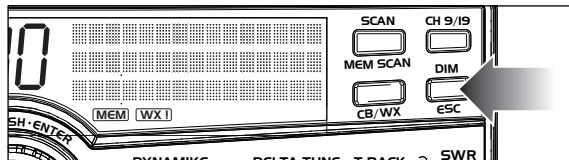


Scan Memory Channels

To scan memory channels, press and release the **SCAN/MEM-SCAN** button twice.



Dimmer Control

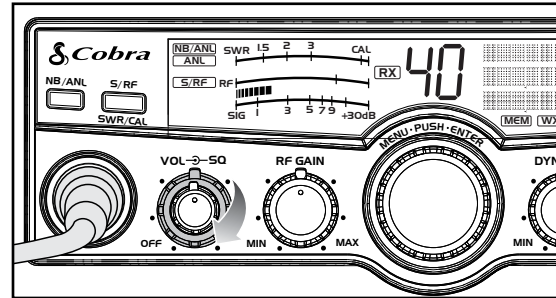


- 1 Press the **DIM/ESC** button to toggle between day and night settings. See setting instructions on page 21.

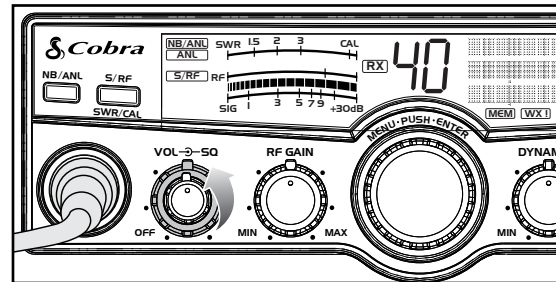
Operation

Setting Squelch

Squelch is the "control gate" for incoming signals.

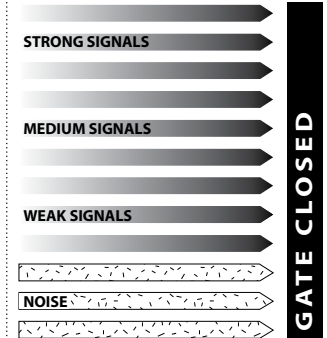


- 1 Full *clockwise* rotation closes the gate allowing only very strong signals to enter.

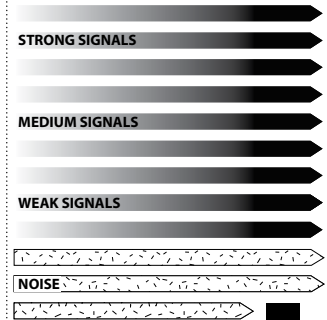


- 2 Full *counterclockwise* rotation opens the "gate" allowing all signals in.

Gate closed



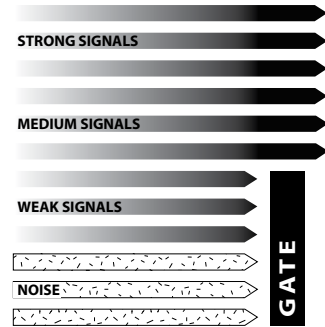
Gate open



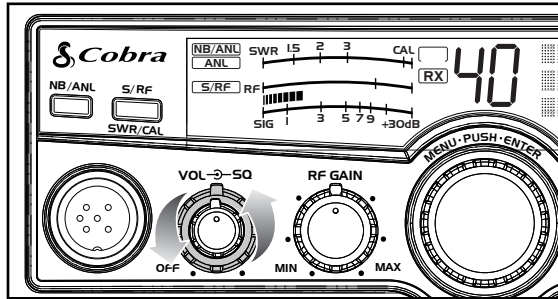
Operation

Continued

Gate set to Desired Squelch Setting (DSS)



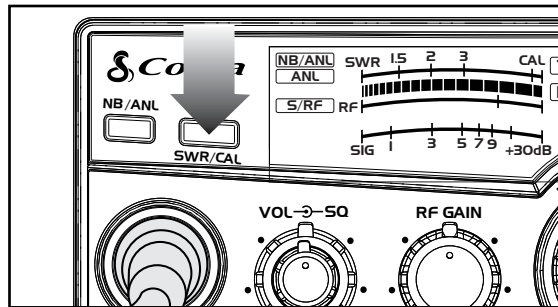
Setting Squelch *continued*



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

S/R/F Meter

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

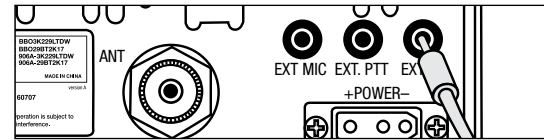


- The **S/R/F-SWR/CAL** button must be in the S/R/F mode.

Operation

External Speaker

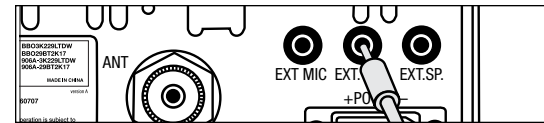
The external speaker jack is used for remote receiver monitoring.



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

External Push-To-Talk Jack

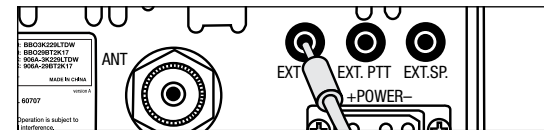
The external **Push-To-Talk (PTT)** jack is used for remote transmit function with optional PTT (see accessory page 50) and when the external microphone is connected.



Connect an external PTT device to the external PTT 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.



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 an external speaker is plugged in, the internal speaker is automatically disconnected.

Note

Cobra external speakers are rated at 10 watts.

Home And Office Set-Up

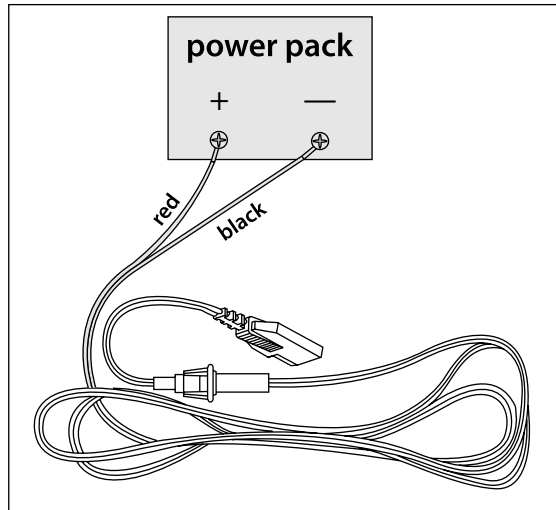
STOP

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.

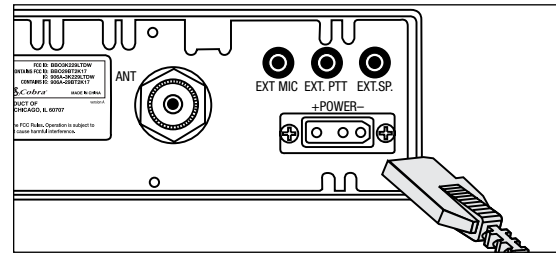
Base Station Operation

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.



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

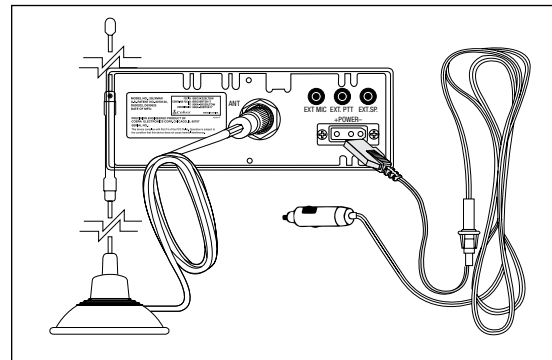
Temporary Mobile Set-Up



- 2 Plug the power cable into the back of the unit marked "Power". Be sure to observe the polarity markings.
- 3 Connect the properly installed and matched base station antenna.

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.



How Your CB Can Serve You

- Warn of traffic problems
- Provide weather and road data
- Provide help in event of an emergency
- Provide direct contact with home or office
- Assist police by reporting erratic drivers
- Get "local information" to find destination
- Communicate with family and friends
- Suggest spots to eat and sleep
- Keep you alert while traveling

A Few Rules You Should Know

- Conversations cannot last more than 5 minutes with another station. A one minute break is required to let others use the channel.
- You cannot blast others off the air by use of illegally amplified transmitters or illegally high antennas.
- You cannot use CB to promote illegal activities.
- Profanity is not allowed.
- You may not transmit music with a CB.
- 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

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

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

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:

Code	Meaning
10-1	Receiving poorly
10-2	Receiving well
10-3	Stop transmitting
10-4	OK, message received
10-5	Relay message
10-6	Busy, stand by
10-7	Out of service, leaving
10-8	In service, subject to call
10-9	Repeat message
10-10	Transmission completed standing by
10-11	Talking too rapidly
10-12	Visitors present
10-13	Advise weather/roads
10-16	Make pick up at
10-17	Urgent business
10-18	Anything for us?
10-19	Return to base
10-20	My location is
10-21	Call by phone
10-22	Report in person to
10-23	Stand by
10-24	Completed last assignment
10-25	Can you contact
10-26	Disregard last info
10-27	Moving to channel
10-28	Identify your station

Code	Meaning
10-29	Time is up for contact
10-30	Does not conform to FCC rules
10-33	Emergency traffic
10-34	Trouble at this station
10-35	Confidential information
10-36	Correct time is
10-37	Wrecker needed at
10-38	Ambulance needed
10-39	Message delivered
10-41	Turn to channel
10-42	Traffic accident at
10-43	Traffic tie up at
10-44	Have a message for
10-45	All units within range please report
10-50	Break channel
10-60	What is next message number?
10-62	Unable to copy. Use phone
10-63	Net directed to
10-64	Net clear
10-65	Awaiting your next message/assignment
10-67	All units comply
10-70	Fire at
10-71	Proceed, transmission in sequence
10-77	Negative contact
10-81	Reserve hotel room for
10-82	Reserve room for
10-85	My address is
10-91	Talk closer to mic
10-93	Check my frequency on this channel
10-94	Give me a long count
10-99	Mission completed, all units secure
10-200	Police needed at

Frequency Ranges

29 LX MAX Specifications

The Cobra 29 LX MAX 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.

CB Channel	Channel Freq. In MHz	CB Channel	Channel Freq. In MHz	WX Channel	Freq. In MHz
1	26.965	21	27.215	1	162.550
2	26.975	22	27.225	2	162.400
3	26.985	23	27.255	3	162.475
4	27.005	24	27.235	4	162.425
5	27.015	25	27.245	5	162.450
				6	162.500
6	27.025	26	27.265	7	162.525
7	27.035	27	27.275	8	161.650
8	27.055	28	27.285	9	161.775
9	27.065	29	27.295	10	163.275
10	27.075	30	27.305		
11	27.085	31	27.315		
12	27.105	32	27.325		
13	27.115	33	27.335		
14	27.125	34	27.345		
15	27.135	35	27.355		
16	27.155	36	27.365		
17	27.165	37	27.375		
18	27.175	38	27.385		
19	27.185	39	27.395		
20	27.205	40	27.405		

GENERAL	
CHANNELS	CB - 40 CH
FREQUENCY RANGE	CB - 26.965 TO 27.405 MHZ WX - 162.400 TO 162.775 MHZ
FREQUENCY TOLERANCE	0.005 %
FREQUENCY CONTROL	PLL (PHASE LOCK LOOP) SYNTHESIZER
OPERATING TEMPERATURE RANGE	-30° C TO + 50° C
MICROPHONE	Plug-in Electret
INPUT VOLTAGE	13.2VDC nom. negative ground
Current Drain	Transmit: AM full mod., 1.5A (maximum) Receive: Squelched, 0.3A; full audio output, 1.2A (nominal)
Size	8-5/8" D x 7-9/32" W x 2-13/63" H
Weight	4 lbs.
Antenna Connector	UHF; SO-239
Meter	Indicates relative power output received signal strength, and vswr

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 50,000 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

(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.

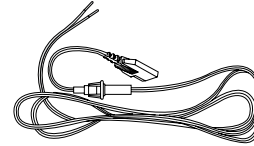
Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

Cobra Electronics Corporation

6500 West Cortland Street
Chicago, Illinois 60707
www.cobra.com

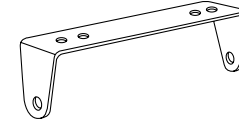
Optional Accessories

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.



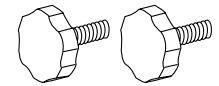
Replacement DC Power Cord

For in vehicle use
426-002-N-001



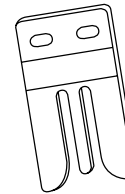
Replacement Mounting Bracket

For in vehicle use
251-353-9-001



Replacement Thumb Screws

For in vehicle use
634-081-9-001



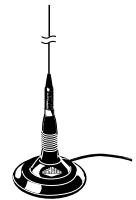
Replacement Microphone Bracket

For in vehicle use
741-080-9-001



21" Base Loaded Magnet Mount Antenna

HG A1000



38" Base Loaded Magnet Mount Antenna

HG A1500



Dynamic External Speaker

HG S100



Noise Canceling External Speaker

HG S300



Noise Canceling With Talk Back External Speaker

HG S500

FCC Statement

FCC Part 15.19 Warning Statement

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

FCC Part 15.21 Warning Statement-

NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

FCC Part 15.105(b) Warning Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IC RSS-GEN, Sec 8.4 Warning Statement

ENGLISH: This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

FRENCH: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC RSS-GEN, Sec 8.3 Warning Statement

ENGLISH: This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types approved for use with the transmitter, indicating the maximum permissible antenna gain (in dBi) and required impedance for each.

FRENCH: Le présent émetteur radio (identifier le dispositif par son numéro de certification ou son numéro de modèle s'il fait partie du matériel de catégorie I) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

IC RSS-102, Sec 2.6 Warning Statement

The applicant is responsible for providing proper instructions to the user of the radio device, and any usage restrictions, including limits of exposure durations. The user manual shall provide installation and operation instructions, as well as any special usage conditions, to ensure compliance with SAR and/or RF field strength limits. For instance, compliance distance shall be clearly stated in the user manual.

The user manual of devices intended for controlled use shall also include information relating to the operating characteristics of the device; the operating instructions to ensure compliance with SAR and/or RF field strength limits; information on the installation and operation of accessories to ensure compliance with SAR and/or RF field strength limits; and contact information where the user can obtain Canadian information on RF exposure and compliance. Other related information may also be included.



Cobra® 29 LX MAX

The CB Story

If You Think You Need Service

For technical assistance, please call our Automated Help Desk which can assist you by answering the most frequently asked questions about Cobra products.

(773) 889-3087

24 hours a day, 7 days a week.

A Consumer Service Representative can be reached through this same number 8:00 am - 5:30 pm, Monday through Friday, Central Time.

Technical assistance is also available on-line in the Frequently Asked Questions (FAQ) section at www.cobra.com or by e-mail to productinfo@cobra.com

If you think you need service call 1.773.889.3087

"If your product should require factory service please call Cobra first before sending your unit in. This will ensure the fastest turn-around time on your repair."

You may be asked to send your unit to the Cobra factory. It will be necessary to furnish the following in order to have the product serviced and returned.

1. For Warranty Repair include some form of proof-of-purchase, such as a mechanical reproduction or carbon or a sales receipt. If you send the original receipt it cannot be returned.
2. Send the entire product.
3. Enclose a description of what is happening with the unit. Include a typed or clearly print name and address of where the unit is to be returned.
4. Pack unit securely to prevent damage in transit. If possible, use the original packing material.
5. Ship prepaid and insured by way of a traceable carrier such as United Parcel Service (UPS) or First Class Mail: to avoid loss in transit to: Cobra Factory Service, Cobra Electronics Corporation, 6500 W. Cortland St., Chicago, IL 60707.
6. If the unit is in warranty, upon receipt of your unit it will either be repaired or exchanged depending on the model. Please allow approximately 3 to 4 weeks before contacting us for status. If the unit is out of warranty a letter will automatically be sent informing you of the repair charge or replacement charge. If you have any questions, please call 1.773.889.3087 for assistance.

Trademark Info

Cobra®, AURA®, Dynamike®, iRadAr®, NightWatch®, Nothing Comes Close to a Cobra®, Rewind-Say-Again®, and the snake design are registered trademarks of Cobra Electronics Corporation, USA.

Cobra Electronics Corporation™ is a trademark of Cobra Electronics Corporation, USA.

iPhone® is a trademark of Apple Inc., registered in the U.S. and other countries.

The Bluetooth® word mark and logo are registered trademarks owned by Bluetooth SIG, Inc.

Operating Instructions For Your Cobra 29 LX MAX CB Radio With Bluetooth® Wireless Technology

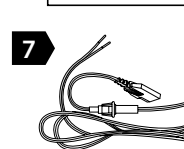
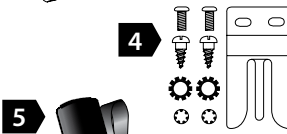
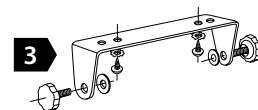
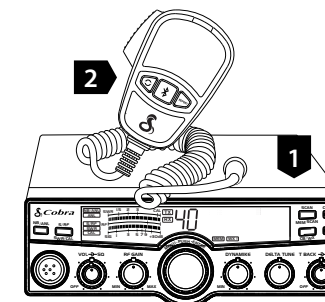


U.S. Patent No. 8078120, D630202, D630625

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Part No. 480-1077-P Version A

Nothing Comes Close to a Cobra®



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 MAX

- | | |
|------------------------|--------------------------|
| 1. CB transceiver | 5. External Microphone |
| 2. Microphone | 6. Operating Manual |
| 3. Transceiver bracket | 7. DC power cord |
| 4. Microphone bracket | 8. FCC rules (not shown) |

Controls and Indicators

Front Side

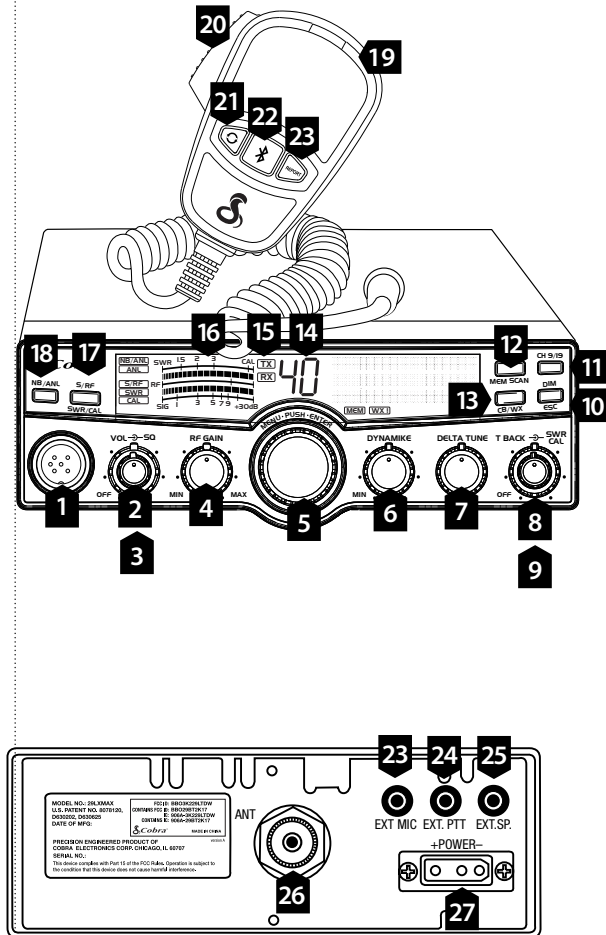
1. 6-Pin Microphone Connector
2. Power On/Off, Volume
3. Squelch
4. RF Gain
5. Menu/Enter/Channel Selector
6. Dynamike
7. Delta Tune
8. Talk Back Control
9. SWR Calibration
10. Dim/Escape Button
11. Channel 9/Channel 19 Button
12. Scan/Memory Scan
13. CB/WX Weather Button
14. LCD Display
15. RX (Receive)/TX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

On Microphone

20. Push-To-Talk (PTT) Button
21. Rewind-Say-Again™ Button
22. Bluetooth® Button
23. Report Button

Back Side

24. External Microphone Jack
25. External Push-To-Talk Jack
26. Antenna Connector
27. Power Jack



Our Thanks to You

Thank you for purchasing the Cobra 29 LX MAX 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

Optional Accessories



External Push-to-Talk Assembly

For in vehicle use
CA MS4 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