

Operation

Setting Squelch

Continued

Gate set to Desired Squelch Setting (DSS)

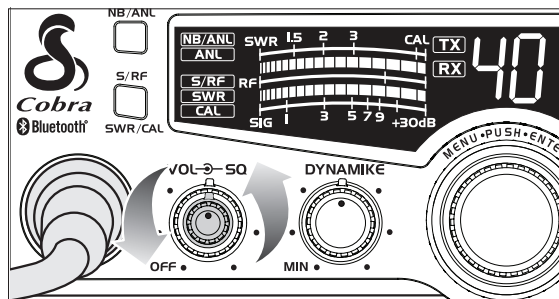
STRONG SIGNALS

MEDIUM SIGNALS

WEAK SIGNALS

NOISE

GATE

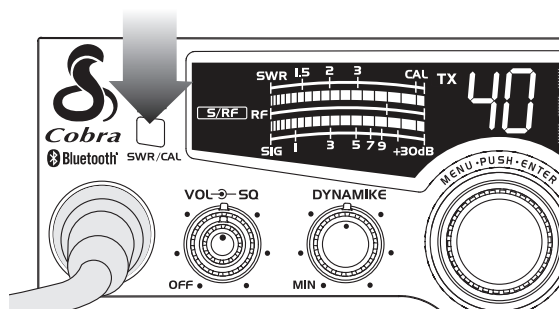


3 To achieve the Desired Squelch Setting (DSS), turn the Squelch control *counterclockwise* until you hear noise. Now turn the control *clockwise* just until the noise stops. This is the DSS setting.

S/RF Meter

S/RF Meter

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

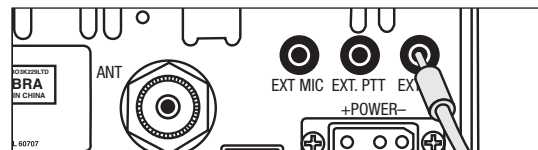


1 The S/RF-SWR-CAL button must be in the S/RF mode.

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

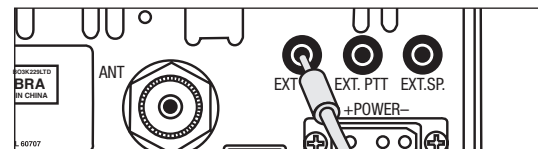
The external push-to-talk jack is used for remote transmit function with optional PTT (see accessory page 44).



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 for connecting external microphone for CB and phone audio function.



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

External Speaker

Note

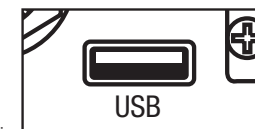
The external speaker should have 8-ohm impedance and be rated to handle at least 4.0 watts. When the external speaker is plugged in, the internal speaker is automatically disconnected.

Note

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)



Warning!

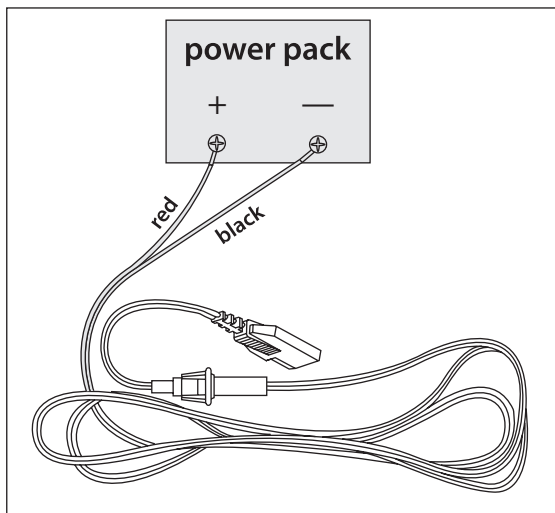
Do not attempt to operate this transceiver by connecting it directly to 120V AC.

Note

For further information call Cobra Customer Service 1.773.889.3087.

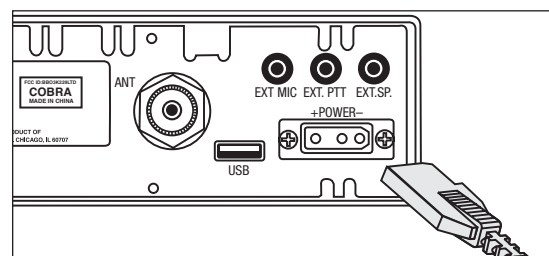
Base Station Operation (From 120V AC House Current)

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.



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

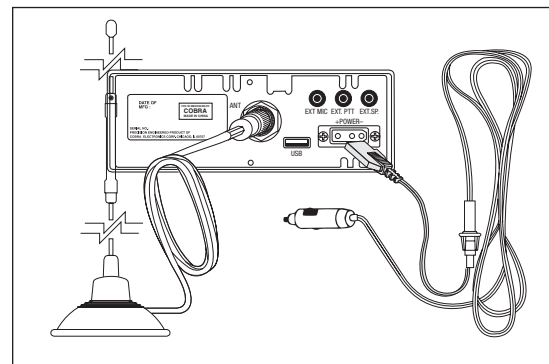
Temporary Mobile Set-Up



- 2 Plug power cable into back of unit marked "Power". Be sure to observe polarity markings.
- 3 Connect 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.



Temporary Mobile Set-Up

How Your CB Can Serve You

A Few Rules You Should Know

- 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

- 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.

Channel 9 Emergency Messages

Note

If no response on channel 9, try channels 19 or 14.

- 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	<i>Identify yourself.</i>
L ocation	<i>Be exact.</i>
I njuries	<i>Number. Type. Trapped?</i>
P roblem	<i>Give details and help needed.</i>

Transmit CLIP repeatedly so any monitor can assist.

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 BT Specifications

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.

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 dynamic
INPUT VOLTAGE	13.2VDC nom. (positive or 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

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.

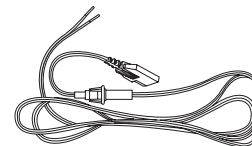
Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

Cobra Electronics Corporation

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

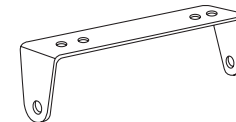
Optional Accessories

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.



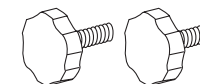
Replacement DC Power Cord

For in vehicle use
426-002-N-001



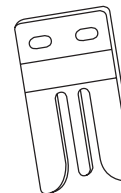
Replacement Mounting Bracket

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



Cobra® 29 LX BT

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®, Dynamike®, Nothing Comes Close to a Cobra® and the snake design are registered trademarks of Cobra Electronics Corporation, USA.

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

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

Operating Instructions for your Cobra 29 LX BT CB Radio with Bluetooth® Wireless Technology

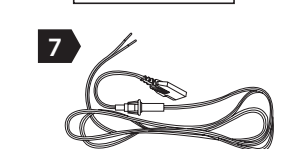
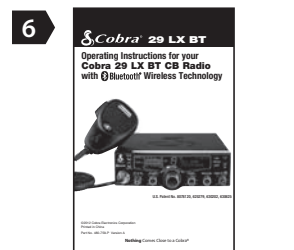
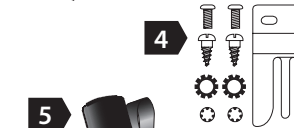
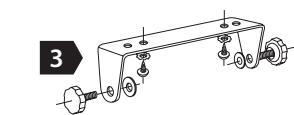
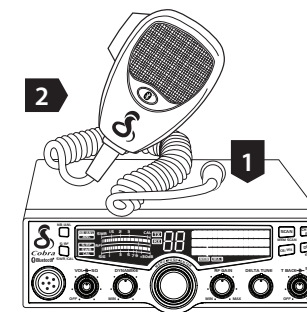


U.S. Patent No. 8078120, D625279, D630202, D630625

©2012 Cobra Electronics Corporation
Printed in China

Part No. 480-759-P Version D

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 BT

- | | |
|------------------------|--------------------------|
| 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) |

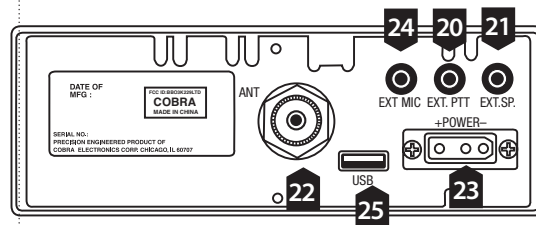
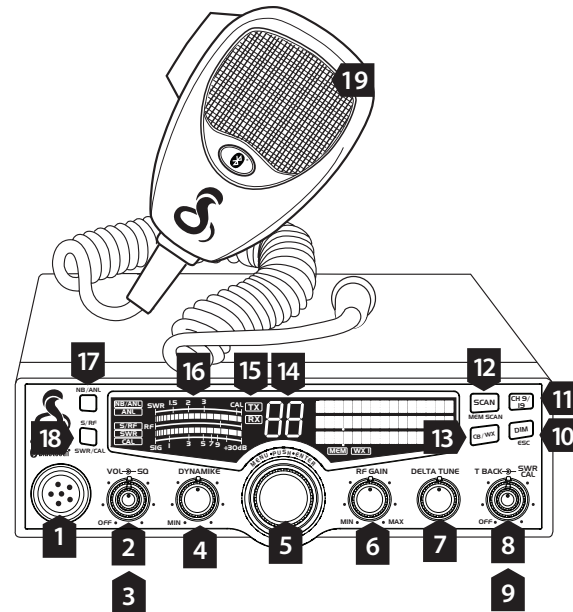
Controls and Indicators

Front Side

1. 6-Pin Microphone Connector
2. Power On/Off, Volume
3. Squelch
4. 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



Our Thanks to You

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.



NOTE

This device 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.

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