

How to Use Your Cobra 29 LTD CHR

Features	1
The CB Story	A1
FCC Regulations	
FCC Warnings	
Included Accessories	
Controls & Indicators	A2
Our Thanks to You	A3
Customer Support	
Installation	
Location.....	2
Mounting and Connection.....	2
Antennas	
CB Antenna.....	6
Marine Installation.....	6
Ignition Noise Interference	7
Operating Your 29 LTD CHR	
Turning On Your CB.....	8
Setting Channel Selector.....	9
Calibrate For SWR (Standing Wave Ratio).....	10
To Receive.....	13
Selecting a Channel.....	14
S-Meter.....	14
NB-ANL/ANL/Off (Noise Blanker/Automatic.....	15
Noise Limiter Switch)	
Bright/Dim Switch.....	16
RF Gain Control.....	17
Setting Delta-Tune.....	18
Setting Squelch.....	18
To Transmit.....	20
Setting Dynamike®.....	20
Transmit.....	21
TalkBack.....	21
RF Meter.....	22
External Speaker.....	23
PA (Public Address).....	24
Home And Office Set-Up.....	26
Temporary Mobile Set-Up.....	27
How Your CB Can Serve You	28
A Few Rules You Should Know.....	28
Channel 9 Emergency Messages.....	28
CB 10 Codes.....	30
Frequency Ranges	32
29 LTD CHR Specifications	33
Warranty Information	34
Optional Accessories	35-36
Accessory Order Info	37
If You Think You Need Service	Back Cover

Features of This Product

- 40 CB Radio Channels
- Special Edition Chrome Cabinet & Microphone
- Heavy-Duty Dynamic Microphone
- Full 4 Watts AM RF Power Output
- SWR Calibration Meter
- Talk Back
- Instant Channel 9
- 4-Pin Front Mount Microphone Connector
- Delta -Tune
- Switchable Automatic Noise Limiter & Noise Blanker
- Adjustable Dynamike® Boost
- 9 Ft. Mic Cord
- RF Gain



Installation

Location

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.

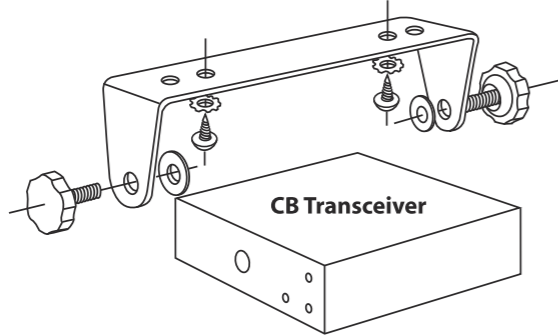
Mounting and Connection

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.

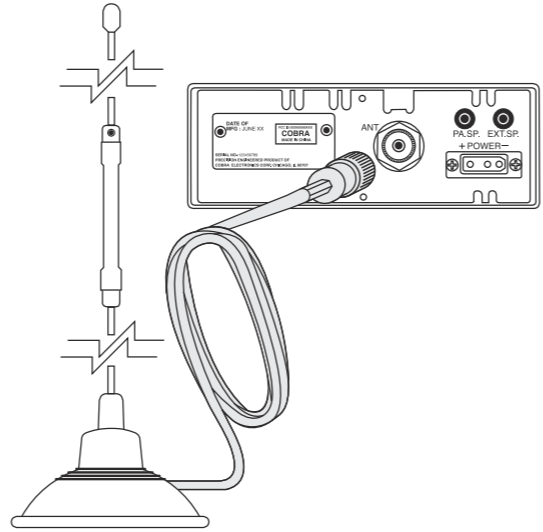
Mounting and Connection

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.

Installation



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



continued

Installation

Installation

Note

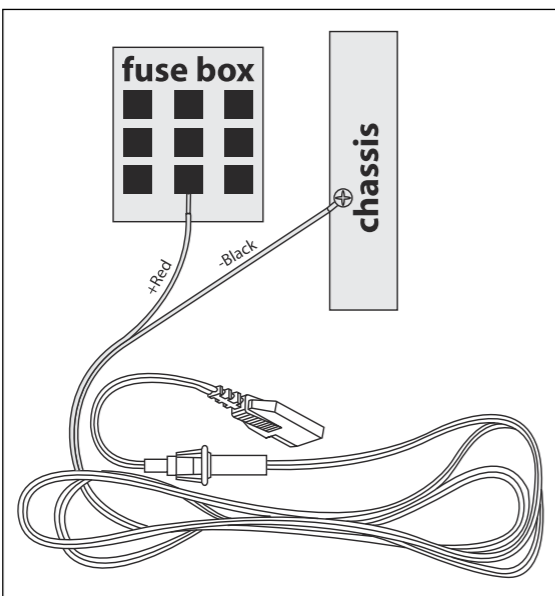
Connecting to an accessory fuse prevents the unit from being left on accidentally, and also permits operating the unit without running the engine.

Note

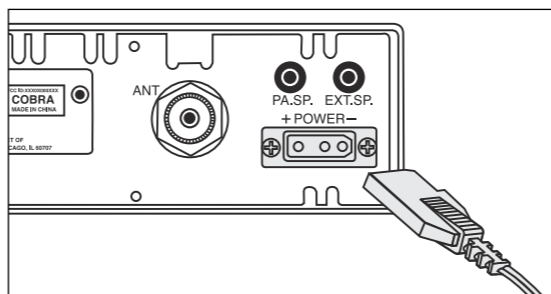
In positive ground vehicles the red wire goes to the chassis and the black wire is connected to the ignition switch.

Note

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.

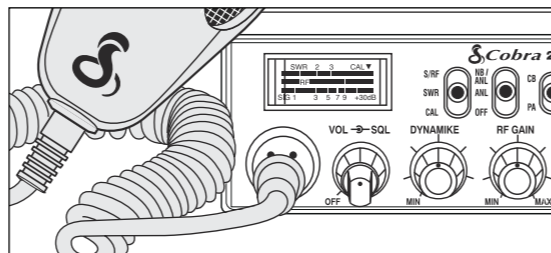
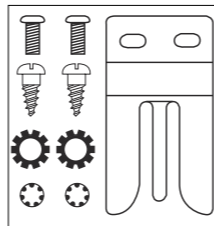


- 4 In a negative grounded vehicle, connect the red lead of the DC power cord to an accessory 12 volt fuse.
- 5 Connect the black lead to the negative side of the vehicle. This is usually the chassis. Any convenient location with a good electrical contact (remove paint) may be used.



- 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 4-pin microphone cable to receptacle, on the front of unit and install unit on bracket securely.

Antennas

Ignition Noise Interference

CB Antenna

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

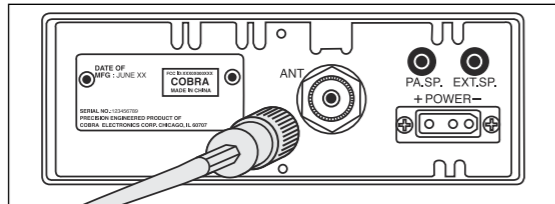
Because many newer trucks feature fiberglass door skins, the outside mirror must be grounded to the chassis via a ground strap when antenna is mounted on the mirror bracket.

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.

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. Consult your Cobra dealer for further details, or call 773.889.3087 and speak to a Cobra representative.



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

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.

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.

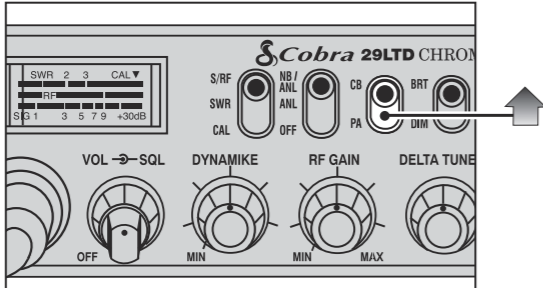
Even though the Cobra 29 LTD CHR has an automatic noise limiter, in some installations ignition interference may be high enough to make good communications impossible. Many possibilities exist and variations between vehicles require different solutions. Consult your COBRA dealer or a 2-way radio technician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



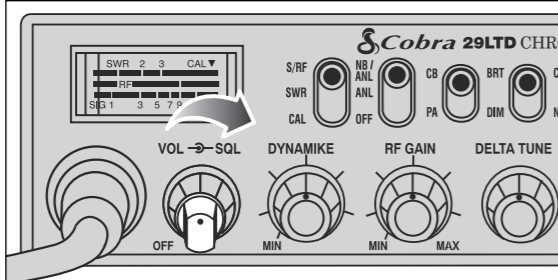
Turning On

Turning On

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



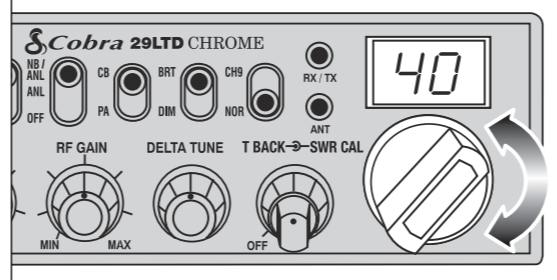
1 The CB/PA button should be in the CB position.



2 Rotate the On/Off Volume knob clockwise to a normal listening level.

Setting Channel Selector

Setting Channel Selector



1 Select one of forty channels and adjust volume. The selected channel is indicated by the LED readout directly above the channel selector knob

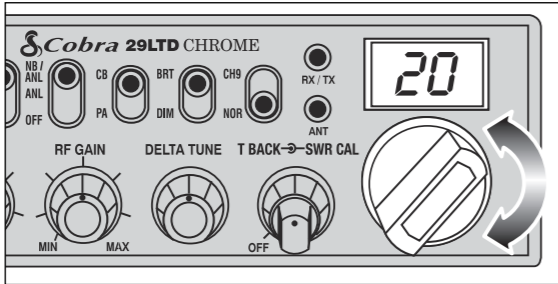


Operation

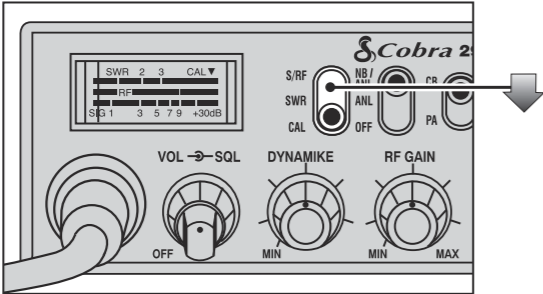
Calibrate For SWR (Standing Wave Ratio)

Note
Antenna Indicator LED will illuminate when TX if SWR is high.

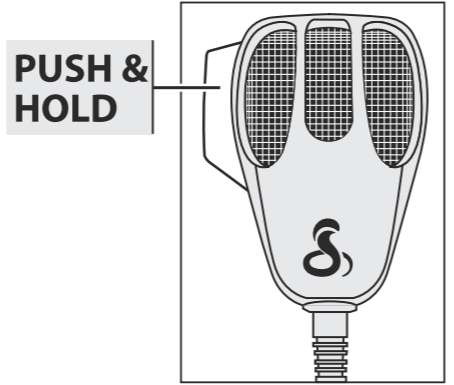
Calibrate for SWR (Standing Wave Ratio)
SWR calibration is done to properly adjust the length of the antenna and to monitor the quality of the coaxial cable and all RF connections. This calibration is critical in order to achieve optimum performance.



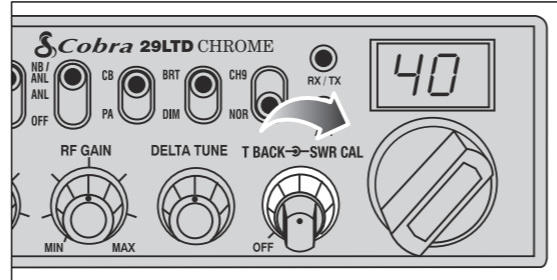
1 Select channel 20.



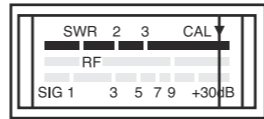
2 Switch to the CAL position.



3 Push and hold mic button.



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



Operation

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).

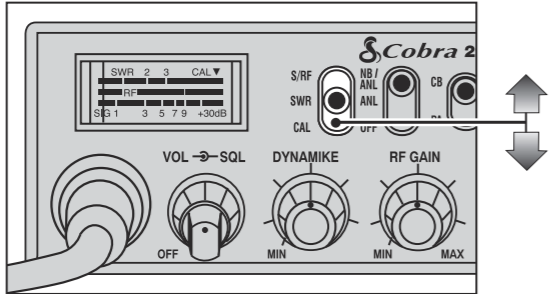


continued

Operation

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

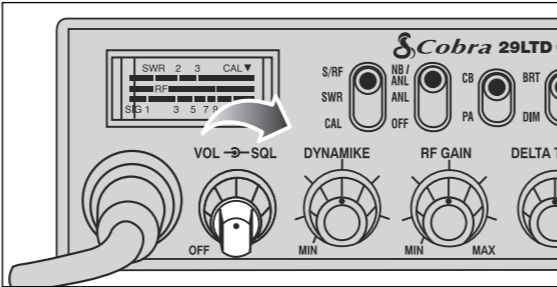
Note
When switched to SWR position the meter needle should ideally be as far to the left as possible. Anything over 3 is not acceptable. The antenna indicator will light. A slight antenna height adjustment (higher or lower) may be required. Repeat recalibration steps.



- 5 While still holding down the mic button, set the S/R/F SWR CAL switch to the SWR position, to read the SWR reading.
- 6 Repeat the same steps two through five on Channel 1 and 40. This will check SWR for all channels.

Operation

To Receive



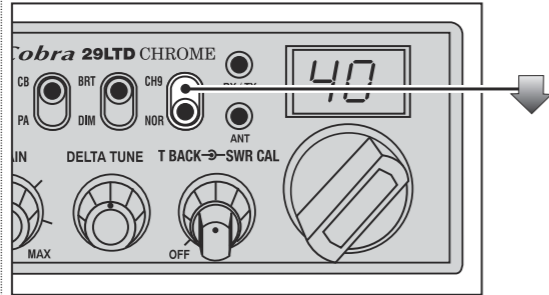
- 1 Rotate the On/Off Volume knob clockwise the green RX/TX LED will be illuminated.

To Receive



Selecting A Channel

Selecting A Channel

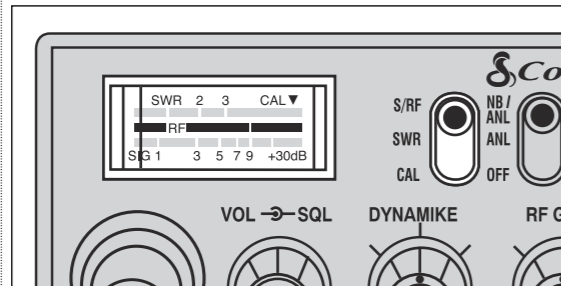


- 1 Switch to NOR to select desired channel.

S-Meter

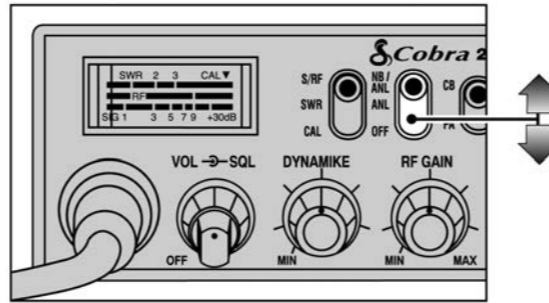
S-Meter

Swings proportionately to strength of incoming signal when receiving.



- 1 The S/R-F-SWR-CAL switch must be in the S/R-F position to read the meter.

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



- 1 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 position the RF Noise Blanker is also activated, providing increased noise filtration.

When switched to OFF position all noise filtration will be turned off.

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

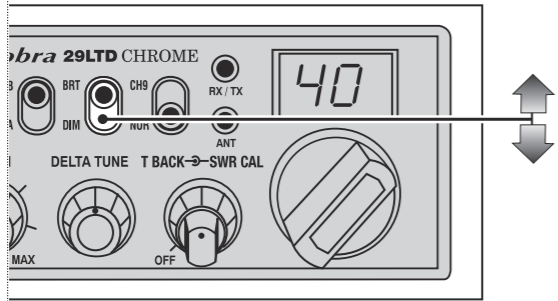
Note

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



Bright/Dim Switch

Bright/Dim Switch

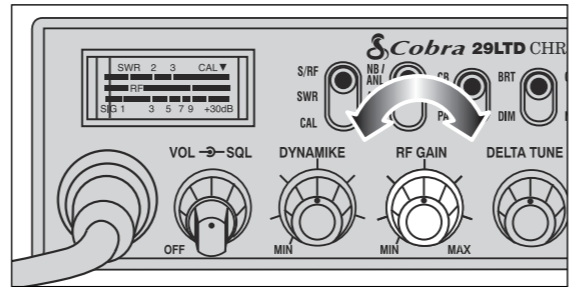


- 1 Switch to BRT or DIM to control brightness of the channel indicator and multi-function meter for day or nighttime driving.

RF Gain Control

RF Gain Control

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



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

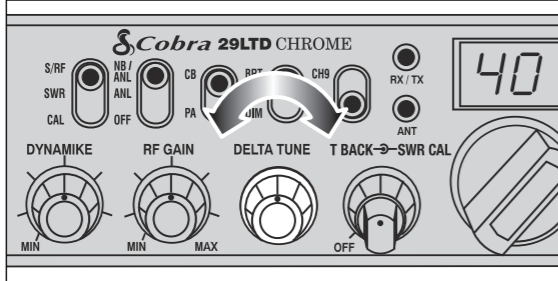
Note
The RF Gain is used to optimize reception in weak signal areas.



Operation

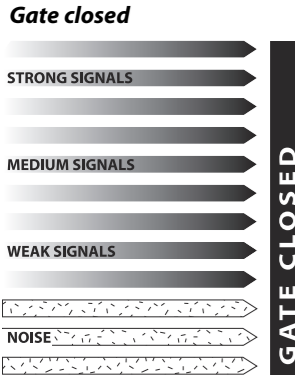
Setting Delta-Tune

Setting Delta-Tune
Delta-Tune functions as a "fine tune" control enabling you to capture a more readable signal, as well as eliminate adjacent channel interference.

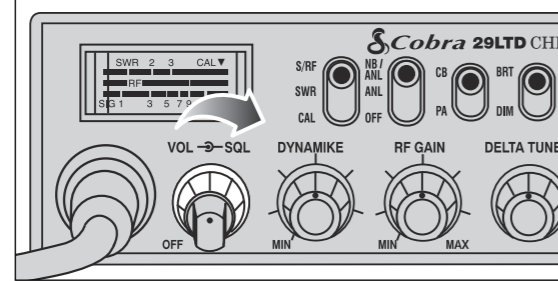


- 1 Rotate Delta-Tune knob to the center position for optimum tuning.

Setting Squelch

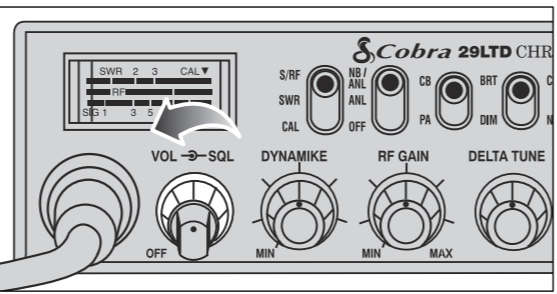
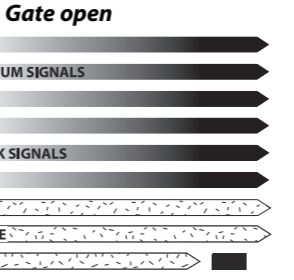


Setting Squelch
Squelch is the "control gate" for incoming signals.

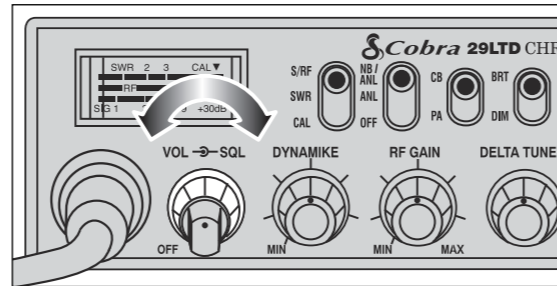


- 1 Full rotation closes the gate allowing only very strong signals to enter.

Operation

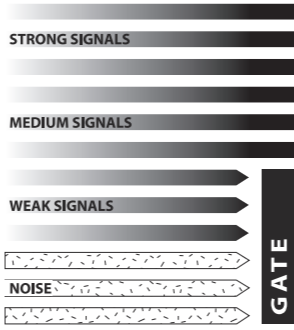


- 2 Full rotation opens the "gate" allowing all signals in.



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

Gate set to Desired Squelch Setting (DSS)



Operation

To Transmit

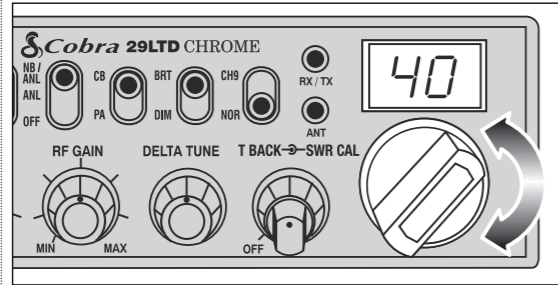


Caution!
Be sure the antenna is properly connected to the radio before transmitting. Prolonged transmitting without an antenna, or a poorly matched antenna, could cause damage to the transmitter.

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

Setting Dynamike®

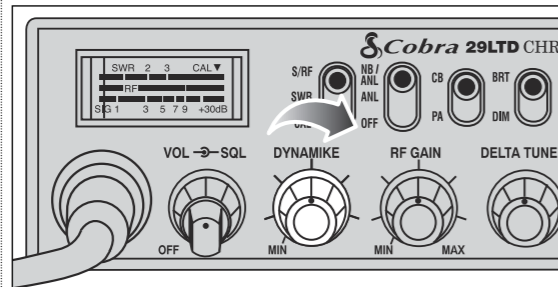
To Transmit



- 1 Select desired channel.

Setting Dynamike®

This controls the microphone sensitivity (outgoing audio level).



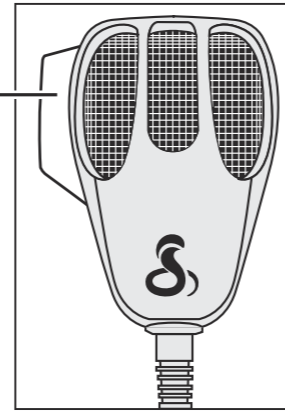
- 1 Initially, set fully clockwise so that maximum voice volume is available. Dynamike® may have to be reduced in some conditions.

Operation

To Transmit

To Transmit

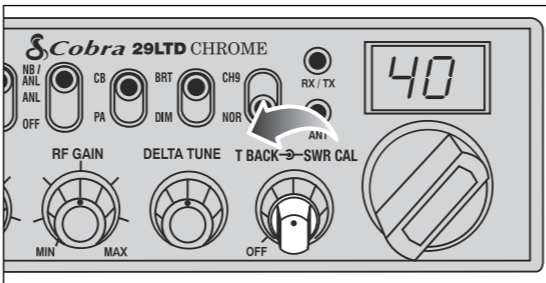
PUSH & HOLD



- 1 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 TalkBack

This control is used to adjust the desired amount of modulation talk back that is present at the speaker during transmit. At fully counter-clockwise position the talk back is off.

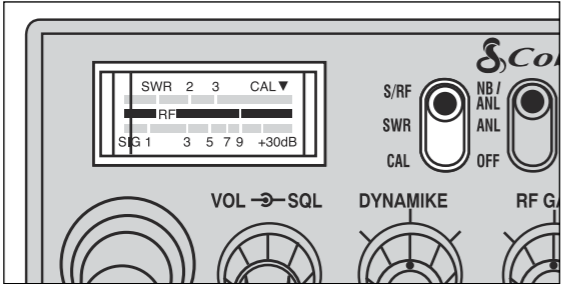


To Transmit

RF Meter

RF Meter

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

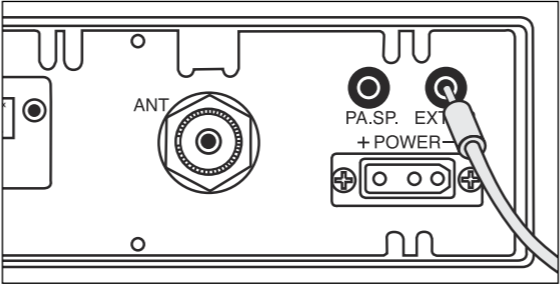


- 1 The S/R/SWR-CAL switch must be in the S/R position.

External Speaker

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.

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.



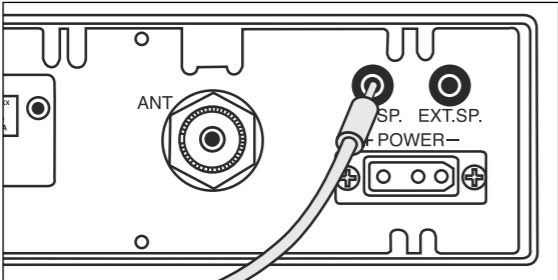
PA (Public Address)

Note
Speaker should have 8-ohm impedance and be rated to handle at least 4.0 watts.

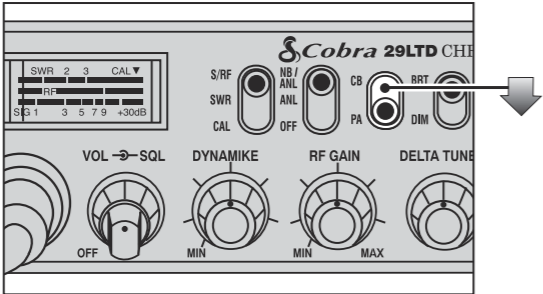
Note
The speaker should be directed away from the microphone to prevent acoustic feedback.

Note
Activity on the CB channel will be heard through the PA speaker. Adjust volume control to a normal listening level.

PA (Public Address)

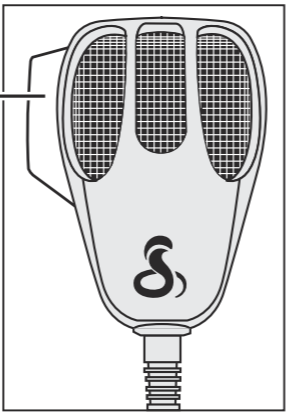


1 Connect an external PA speaker to the PA jack on the rear panel.

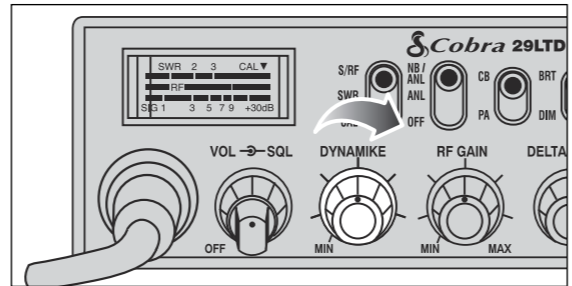


2 Set CB/PA switch to PA position.

PUSH & HOLD



3 Push and hold microphone button and speak in a normal voice. Your voice will now transmit on the PA speaker.



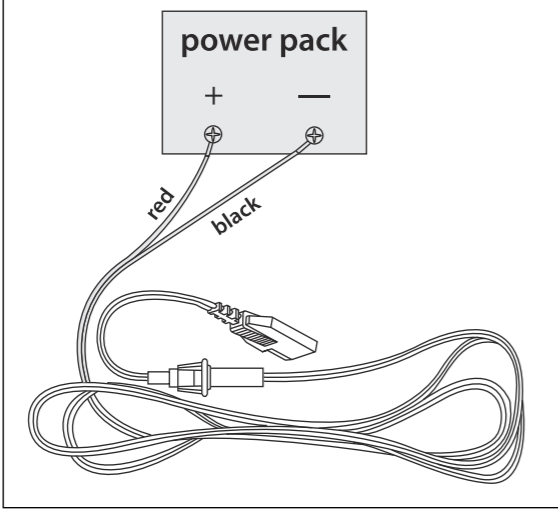
4 Adjust PA speaker volume with the DYNAMIKE control.

Home And Office Set-Up

Temporary Mobile Set-Up

Base Station Operation (From 120V AC House Current)

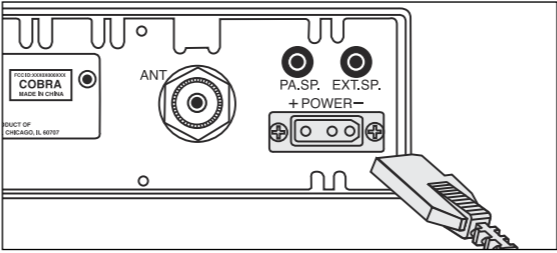
To operate your transceiver from home or office you will need a 13.8 volt DC Power Pack rated at a minimum of 2 amps, and a properly installed base station antenna.



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

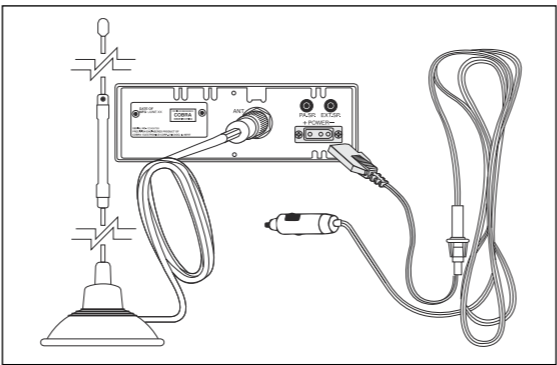
Warning!
Do not attempt to operate this transceiver by connecting it directly to 120v ac.

Note
For further information call Cobra Customer Service 773.889.3087.



- 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 automobile power 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

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

- 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.

Channel 9 Emergency Messages

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

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

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

How Your CB Can Serve You

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 LTD CHR Specifications

The COBRA 29 LTD CHR 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
1	26.965	21	27.215
2	26.975	22	27.225
3	26.985	23	27.255
4	27.005	24	27.235
5	27.015	25	27.245
6	27.025	26	27.265
7	27.035	27	27.275
8	27.055	28	27.285
9	27.065	29	27.295
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
 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 13.8VDC 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 2-13/64" H
 Weight4 lbs.
 Antenna Connector UHF; SO-239
 Meter Illuminated; indicates relative power output,
 received signal strength and VSWR

TRANSMITTER
 Power Output4 watts
 Modulation AM (Amplitude Modulation)
 Frequency Response300 to 3000 Hz
 Output Impedance50 ohms, unbalanced

RECEIVER
 Sensitivity Less than 1 µV for 10 dB (S+N) /N
 Selectivity6 dB @ 7 KHz, 60 dB @ 10KHz
 Image Rejection80 dB, typical
 Adjacent-Channel Rejection60 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 Control Adjustable for optimum signal reception
 Noise Blanking RF type
 Squelch Adjustable; threshold less than 1µV
 Audio Output Power4 watts
 Frequency Response300 to 3000 Hz
 Distortion Less than 5% @3 watts @ 1000 Hz
 Built-in Speaker8 ohms, 5w
 External Speaker (Not supplied)8 ohms; disables internal speaker
 when connected

PA SYSTEM
 Power Output4 watts into external speaker
 External Speaker for PA8 ohms, when PA-CB switch is in PA,
 (Not Supplied) The PA speaker also monitors the receiver;
 separate jack provided

(SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE)
WARNING: This product contains lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.
Wash hands after handling.



Limited One Year Warranty

Optional Accessories



Cobra Electronics Corporation

6500 West Cortland Street
Chicago, Illinois 60707 USA

www.cobra.com

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 one (1) year 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.

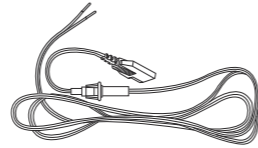
You must pay any initial shipping charges required to ship the product for warranty service, but the return charges will be at Cobra's expense, if the product is repaired or replaced under warranty.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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.

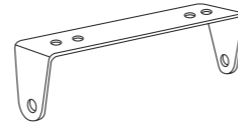
All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited in duration to the length of this warranty. COBRA shall not be liable for any incidental, consequential or other damages; including, without limitation, damages resulting from loss of use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



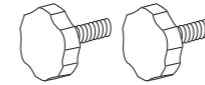
Replacement DC Power Cord

For in vehicle use
426-002-N-001



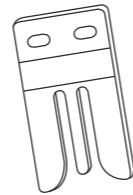
Replacement Mounting Bracket

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



4 Pin Premium Noise-Cancelling Microphone

HG M84



4 Pin Premium Noise-Cancelling Microphone

Wood Grain
HG M84W

Optional Accessories cont.



4 Pin Replacement Dynamic Microphone
HG M73



Power Microphone
HG M75



4 Pin Noise Canceling Microphone
HG M77



Dynamic External Speaker
HG S100



Noise Canceling External Speaker
HG S300



Noise Canceling With Talk Back External Speaker
HG S500



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 37.



Cobra Electronics Corporation
6500 West Cortland Street
Chicago, IL 60707 USA

Operating Instructions for your Cobra 29 LTD CHR

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.)

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 at 773.889.3087
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 773.889.3087

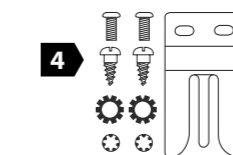
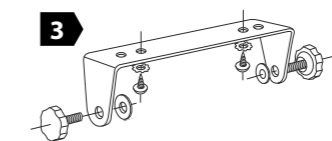
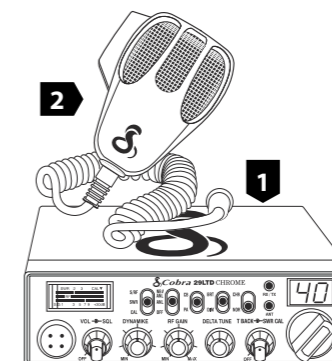
"If your product should require factory service please call Cobra first before sending your unit in. This will ensure the fastest turn-around time on your repair."

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 West Cortland Street, Chicago, IL 60707 USA.
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 773.889.3087 for assistance.

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.



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 LTD CHR

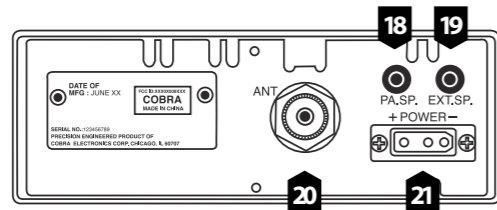
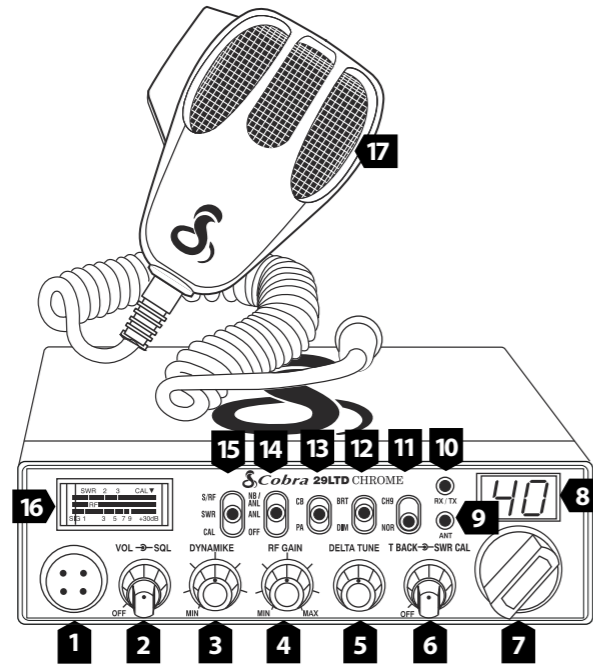
- | | |
|------------------------|--------------------------|
| 1. CB transceiver | 6. DC power cord |
| 2. Microphone | 7. FCC rules (not shown) |
| 3. Transceiver bracket | |
| 4. Microphone bracket | |
| 5. Operating Manual | |

©2014 Cobra Electronics Corporation
Version C
Printed in China
Part No. 480-456-P

1. 4-Pin Microphone Connector
2. Power On/Off/Volume/Squelch Control
3. Dynamike®
4. RF Gain
5. Delta-Tune
6. SWR CAL / Talk Back
7. Channel Selector
8. LED Channel Display
9. ANT Indicator
10. RX (Receive)/ TX (Transmit) LED Indicator
11. Channel 9/ Normal Switch
12. Dimmer Switch
13. CB/PA Switch
14. NB/ANL ANL Off Switch
15. S/RF SWR CAL Switch
16. Signal Strength Meter
17. Microphone

Back Side

18. Public Address Speaker Jack
19. External Speaker Jack
20. Antenna Connector
21. Power Jack



Thank you for purchasing the Cobra 29 LTD CHR CB Radio. 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

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

Item #	Description
426-002-N-001	Replacement DC Power Cord
251-353-9-001	Replacement Mounting Bracket
634-081-9-001	Replacement Thumb Screws
741-080-9-001	Replacement Microphone Bracket
HG A1000	21" Base Loaded, Magnetic Mount Antenna
HG A1500	38" Base Loaded Magnetic Mount Antenna
HG M84	4 Pin Premium Noise-Cancelling Microphone
HG M84W	4 Pin Premium Noise-Cancelling Microphone (Wood Grain)
HG M73	4 Pin Replacement Dynamic Microphone
HG M77	4 Pin Noise-Cancelling Microphone
HG M75	Power Microphone
HG S100	Dynamic External Speaker
HG S300	Noise-Cancelling External Speaker
HG S500	Noise-Cancelling with Talk Back External Speaker