



# Your PDF Guides


You can read the recommendations in the user guide, the technical guide or the installation guide for COBRA 29 NW LTD CLASSIC. You'll find the answers to all your questions on the COBRA 29 NW LTD CLASSIC in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual COBRA 29 NW LTD CLASSIC  
User guide COBRA 29 NW LTD CLASSIC  
Operating instructions COBRA 29 NW LTD CLASSIC  
Instructions for use COBRA 29 NW LTD CLASSIC  
Instruction manual COBRA 29 NW LTD CLASSIC

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## How to Use Your Cobra 29 NW ST

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CAUTION  
High Voltage  
Warning

BEFORE OPERATING THIS EQUIPMENT, READ THE INSTRUCTIONS CAREFULLY. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE. ALWAYS USE COMMON SENSE AND GOOD JUDGMENT TO AVOID ACCIDENTS AND INJURY.

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.....2 *Mounting and Connection.*

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.....2 *Antennas CB Antenna.....*

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.18 Setting Squelch....  
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*..21 RF Meter.....*

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*.....22 External Speaker.....*

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.....Back Cover How to Use Your Cobra 29 NW ST Features of This Product · 40 CB Radio Channels · SoundTracker™ System · Heavy-Duty Dynamic Microphone · Full 4 Watts AM RF Power Output · SWR Calibration Meter · Instant Channel 19 and 9 · Front Panel 4-Pin Microphone Connector · Delta-Tune · Switchable Automatic Noise Limiter & Noise Blanker · Adjustable Dynamike Boost · Tactile Controls · Illuminated Front Panel · Dim Control · RF Gain · 9 ft. Mic Cord CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN ! CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ! 1 29 NW ST manual3.3 6/15/99 12:50 PM Page 2 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. Installation 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 selftapping 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. 3 Connect the antenna cable plug to the receptacle marked "ANT" on the back of the unit. 2 Drill the holes and secure the bracket. continued 2 3 29 NW ST manual3.3 6/15/99 12:50 PM Page 4 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 7 6 Plug power cable into back of unit marked "Power" Be sure to observe polarity markings. . Mount the microphone bracket on either side of the unit (driver's left) using two screws supplied. @@ Connect the black lead to the negative side of the vehicle. This is usually the chassis. @@@@ 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 NW ST 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. Since the maximum allowable power output of the transmitter is limited by the FCC, the antenna is critical in affecting transmission distance. Only For optimum performance in a properly matched antenna system will allow passenger cars the ideal antenna maximum power output. Cobra loaded type na location is on the center of antenna models are highly recommended for the roof. Second choice is on the most installations. Consult your Cobra dealer for center of the trunk. further details, or call 773.

889.3087 and speak to a Cobra representative. Note Because many newer trucks feature fiberglass door skins, the outside mirror must be grounded to the chassis via ground strap, if the antenna is mounted on the mirror bracket. Note 3-way Combination Antennas are also available which allow operation of all three bands (AM-FM & CB), using a single antenna. However, this type of antenna usually results in less than normal transmit and receive range when compared to a standard-type "Single Band" CB antenna.

Call 773889-3087 for further information. 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. 6 7 29 NW ST manual3.3 6/15/99 12:50 PM Page 8 Operation Turning On Turning On Make sure the power cord, antenna and microphone are connected to their proper connectors before starting. Operation Setting Channel Selector Setting Channel Selector 1 1 The CB/PA button should be in the CB position. Select one of forty channels and adjust volume. The selected channel is indicated by the LED readout directly above the channel selector knob 2 Rotate the On/Off Volume knob a normal listening level. clockwise to 8 9 29 NW ST manual3.3 6/15/99 12:50 PM Page 10 Operation Calibrate For SWR (Standing Wave Ratio) 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. Note Operation 3 Push and hold mic button.



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.....8-5/8"D X 7-9/32"W X 2-13/63" H WEIGHT .

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.....4 LBS. ANTENNA CONNECTOR.....

.....UHF; SO-239 METER..

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.....4 WATTS MODULATION.....

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..AM (AMPLITUDE MODULATION) FREQUENCY RESPONSE.....

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...300 TO 3000 HZ OUTPUT IMPEDANCE.....

.....50 OHMS, UNBALANCED RECEIVER SENSITIVITY...

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LESS THAN 1  $\mu$ V FOR 10dB(S+N)/N SELECTIVITY.....

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...6 dB@ 7 KHZ, 60 dB@ 10KHZ IMAGE REJECTION.....

.....80 dB, TYPICAL ADJACENT-CHANNEL REJECTION .  
...60 dB, TYPICAL IF FREQUENCIES...

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...40 dB NOISE BLANKER...

.....RF TYPE SQUELCH.



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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.*



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3087 for assistance. Cobra Electronics Corp.© 1999 Printed in China Part No. 480-191-P-001 "Ingenious Products for Easier Communication." 29 NW ST manual.3.3 6/15/99 12:50 PM Page 43 The CB Story 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.) 1 2 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 3 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. @@2. 3. 4. 5. @@DC power cord 7.

FCC rules 1. @@@@19 1. 4-Pin Microphone Connector 2. Power On/Off, Volume 3. Squelch 4.

Dynamike 5. RF Gain 6. Dimmer 7. SWR CAL 8. Channel Selector 9.

LED Channel Display 10. Sound Tracker™ LED 11. RX (Receive)/TX (Transmit) LED Indicator 12. Sound Tracker™ On/Off 13. Channel 19/Channel 9/Normal Switch 14. Tone Hi/Nor 15. CB/PA Switch 16. NB/ANL ANL Off Switch 17. S/RF SWR CAL Switch 18. Signal Strength Meter 19.

Microphone Back Side 20. Public Address Speaker Jack 21. External Speaker Jack 22. Antenna Connector 23. Power Jack Cobra Customer Service Live operators are available M-F 8:00 am - 8:00 pm CST at: 773.889.3087 Automated Technical Assistance available 24 hours a day, seven days a week. E-mail questions to: [productinfo@cobraelec.com](mailto:productinfo@cobraelec.com) Cobra on the World Wide Web: Frequently Asked Questions (FAQ) can be found on-line at: [www.cobraelec.com](http://www.cobraelec.com) SoundTracker™ "Cuts noise coming in...strengthens signals going out." This Patent pending technology dramatically improves transmission and reception of CB signals.

The revolutionary SoundTracker™ System reconfigures the transmission signal which allows it to be transferred more efficiently through cluttered airwaves. 10 9 12 At the same time, it significantly reduces the amount of static on all incoming CB signals. The end result is a cleaner, clearer sounding reception of signals and a more powerful transmission which dramatically improves CB communications. 17 16 15 14 13 11 18 1 2 3 4 5 6 7 8 20 21 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. 22 23 A2 A3 .



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