

Cobra 29 LTD

Cobra 29 LTD Professional CB Radio Instruction Manual

Model: 29 LTD

INTRODUCTION

The Cobra 29 LTD Professional CB Radio is designed for reliable communication, offering 40 channels in dual AM/FM modes and instant access to emergency channel 9. This package also includes an 18-foot RG-58A/U coaxial cable with molded PL-259 connectors, ensuring optimal performance and connectivity for your CB and two-way radio applications. The radio features an adjustable receiver and SWR calibration capabilities to maintain clear communication and antenna efficiency.

WHAT'S IN THE BOX

- Cobra 29 LTD CB Radio
- 18' RG-58A/U coaxial cable with PL-259 connectors
- Microphone
- Mounting Bracket and Hardware
- Power Cord
- Instruction Manual



The Cobra 29 LTD Professional CB Radio, featuring its classic design and included microphone.



The included 18-foot RG-58A/U coaxial cable, essential for connecting the radio to an antenna.

SETUP

1. Mounting the Radio

Select a secure and accessible location for your CB radio. Use the provided mounting bracket and hardware to firmly attach the radio. Ensure the location allows for proper ventilation and easy access to controls and connections.

2. Power Connection

Connect the radio's power cord to a 12-volt DC power source in your vehicle. The red wire is positive (+) and the black wire is negative (-). Ensure a secure connection to prevent power interruptions or damage.

3. Antenna Connection

Connect your CB antenna to the radio using the supplied 18-foot RG-58A/U coaxial cable. The cable features PL-259 connectors for a reliable connection. Ensure the antenna is properly installed and tuned for optimal performance.

4. Microphone Connection

Plug the microphone into the designated port on the front of the CB radio.

5. SWR Calibration

After installing the antenna, it is crucial to calibrate the Standing Wave Ratio (SWR) for peak performance and to prevent damage to the radio. Refer to the detailed instructions in the full user manual for the SWR calibration procedure. The Cobra radio allows you to easily calibrate the SWR antenna and get notified when it needs to be checked.



**DUAL-MODE
AM/FM**

MAIN FEATURES

-  Classic CB
-  Dual-Mode AM/FM
-  Instant Channel 9
-  SWR Calibration
-  Receiver Sensitivity

The Cobra 29 LTD radio highlighting its main features, including dual-mode AM/FM and SWR calibration.

This video provides a general product overview of a similar CB radio model (Radioddity CB-900 Pro) and can be used for illustrative purposes regarding general CB radio features and controls. Note that specific features and controls may vary for the Cobra 29 LTD.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume

Turn the VOL/SQ knob clockwise to power on the radio and adjust the volume. Continue turning to increase volume.

2. Squelch Control

Adjust the SQ (Squelch) knob to eliminate background noise when no signal is being received. Turn it clockwise until the background noise disappears.

3. Channel Selection

Use the channel selector knob to choose one of the 40 available CB channels. Channel 19 is commonly used for highway communication, and Channel 9 is for emergency use.

4. AM/FM Mode Selection

The Cobra 29 LTD supports dual AM/FM modes. Select the desired mode for your communication needs. FM mode can offer clearer communication in certain conditions.

5. Instant Channel 9

Press the CH9 button for instant access to emergency channel 9.

6. Transmitting

To transmit, press and hold the Push-To-Talk (PTT) button on the microphone and speak clearly. Release the PTT button to listen.



A user operating a Cobra CB radio, demonstrating typical in-vehicle usage.

MAINTENANCE

- **Cleaning:** Regularly wipe the radio's exterior with a soft, damp cloth. Avoid harsh chemicals or abrasive cleaners.
- **Cable Inspection:** Periodically check the coaxial cable for any signs of wear, damage, or corrosion, especially at the connectors. The coaxial cable provides 95% shielding coverage to prevent RF leaks and interference.
- **Antenna Care:** Ensure your antenna is securely mounted and free from obstructions. Inspect it for damage after severe weather or impacts.
- **SWR Check:** Re-calibrate your SWR periodically or if you notice a change in performance.

TROUBLESHOOTING

- **No Power:** Check all power connections, fuses, and the vehicle's 12V power source.
- **Poor Reception/Transmission:** Verify antenna connection, SWR calibration, and ensure the antenna is not

obstructed. Check for proper channel selection and squelch adjustment.

- **Static or Noise:** Adjust the squelch control. Check for external interference sources.
- **Microphone Issues:** Ensure the microphone is securely plugged in. Test with another microphone if available.

SPECIFICATIONS

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| Brand | Cobra |
| Model Number | 29 LTD |
| Number of Channels | 40 |
| Frequency Range | 26.965 MHz - 27.405 MHz |
| Output Power | 4 Watts |
| Modes | AM/FM |
| Special Feature | Long Range |
| Included Components | Cobra 29 LTD CB Radio, 18' RG-58A/U coaxial cable with PL-259 connectors |
| Color | Black |

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Cobra website. Keep your purchase receipt as proof of purchase for any warranty claims.