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## Cobra Cobra 19DX IV

# Cobra 19 DX IV Professional CB Radio

## INSTRUCTION MANUAL

### Product Overview

The Cobra 19 DX IV is a compact and full-featured CB radio designed for reliable communication. It provides 4-watts of RF output power and includes essential features for both recreational and professional use.



Image: The Cobra 19 DX IV CB Radio unit with its connected microphone, showcasing its compact design.

Key features include a heavy-duty microphone for clear audio, an illuminated LCD display, and a Public Address (PA) system. Its compact size makes it suitable for various vehicles, including RVs, work trucks, and delivery vans.

## Package Contents

Before beginning installation, please verify that all items are present in the package:



Image: A visual representation of all items included in the Cobra 19 DX IV CB Radio package, including the radio unit, microphone, power cord, and mounting hardware.

- Cobra 19 DX IV CB Radio Unit
- Heavy-Duty Dynamic Microphone with 9-foot cord
- Power Cord
- Mounting Bracket
- Microphone Clip
- Mounting Hardware (screws, washers)

## Setup and Installation

Proper installation is crucial for optimal performance and safety. Ensure the vehicle's electrical system is compatible with 12 Volts DC.

### 1. Mounting the Radio

Select a location that does not obstruct driving, airbags, or vehicle controls. The compact design allows for installation in tight spaces. Use the provided mounting bracket and hardware to securely attach the radio.



#### EASY TO MOUNT & OPERATE

Ultra compact design fits into tight spaces while intuitive controls make it easy to use in any type of vehicle. Perfect size especially for recreational side-by-sides or other off-roading vehicles where space is limited.



#### INSTANT CHANNELS 9/19

Instantly switch to emergency channel 9 or information channel 19 with one push so you can keep other truckers informed of the road ahead.

Image: A truck driver using the Cobra CB radio, demonstrating its ease of access and operation within a vehicle cabin.

### 2. Power Connection

Connect the red wire of the power cord to a positive (+) 12V DC source (e.g., vehicle battery or fuse box). Connect the black wire to a negative (-) ground point (e.g., vehicle chassis). Ensure connections are secure and properly insulated.

### 3. Microphone Connection

Plug the microphone's 4-pin connector into the corresponding jack on the front of the CB radio. Secure the

microphone using the provided microphone clip in an easily accessible location.



Image: A close-up view of the Cobra CB radio's heavy-duty microphone with its coiled cord and 4-pin connector.

*Note: The receiver requires the microphone to be attached to function.*

## 4. Antenna Connection

Connect a properly tuned CB antenna (not included) to the antenna jack on the rear of the radio. An improperly tuned antenna can damage the radio's transmitter.

## Operating Instructions

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### 1. Power On/Off and Volume Control

Turn the **Volume** knob clockwise to power on the unit and adjust the listening volume. Turn counter-clockwise until it clicks to power off.

### 2. Channel Selection

Rotate the **Channel** knob to select one of the 40 available CB channels. The selected channel number will be displayed on the LCD.

### 3. RF Gain Control

The **RF Gain** knob adjusts the receiver sensitivity to incoming signals. Turn clockwise for maximum sensitivity (for weak signals) and counter-clockwise to reduce sensitivity (for strong signals or to reduce background noise).

### 4. Instant Channels 9/19

Press the **CH 9/19** button to instantly switch to Emergency Channel 9 or Information Channel 19. Press again to toggle between them or return to the previously selected channel.

### 5. VOX Hands-Free Usage

The VOX feature allows for hands-free transmission. When enabled, the radio will automatically transmit when you speak into the microphone. Refer to the full manual for detailed VOX sensitivity adjustments.



## VOX HANDS-FREE USAGE

With the 19 DX IV CB Radio you can stay safe on the road and enable the hands-free CB operation to automatically transmit when you speak. This feature will make it so you never have to take your hands off the wheel.



## RECEIVER SENSITIVITY

Easily adjust RF Gain sensitivity or squelch background noise for the best signal.



Image: A truck in a desert environment, symbolizing the long-range communication capabilities and ruggedness of the Cobra CB radio, which supports hands-free operation.

## 6. PA System Operation

To use the Public Address (PA) function, connect an external PA speaker (not included) to the PA jack on the rear of the radio. Switch the **CB/PA** switch to PA. Your voice from the microphone will now be broadcast through the external speaker.

## Maintenance and Care

To ensure the longevity and optimal performance of your Cobra 19 DX IV CB Radio, follow these maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the radio. Avoid abrasive cleaners or solvents.
- **Connections:** Periodically check all cable connections (power, antenna, microphone) to ensure they are secure and free from corrosion.
- **Fuse Replacement:** If the unit does not power on, check the inline fuse on the power cord. Replace with a fuse of the same rating (typically 2A, 250V fast-blow).

- **Storage:** When not in use for extended periods, store the radio in a cool, dry place away from direct sunlight and extreme temperatures.

## Troubleshooting

If you experience issues with your Cobra 19 DX IV CB Radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on.	No power, blown fuse, incorrect wiring.	Check power connections. Inspect and replace fuse if blown. Verify wiring polarity.
No reception or weak reception.	Microphone not connected, antenna issue, RF Gain too low.	Ensure microphone is securely plugged in. Check antenna connection and SWR. Adjust RF Gain clockwise.
Distorted audio.	Volume too high, poor antenna tuning, interference.	Adjust volume. Check antenna SWR. Identify and mitigate sources of electrical interference.
Cannot transmit.	Microphone not connected, faulty microphone, internal issue.	Ensure microphone is connected. Test with another microphone if available. If problem persists, contact support.

## Specifications

Feature	Detail
Product Dimensions	1.75"D x 4.5"W x 7"H (4.45 cm D x 11.43 cm W x 17.78 cm H)
Item Weight	1.14 Pounds (0.52 kg)
Number of Channels	40
Frequency Range	26.965 MHz to 27.405 MHz
Voltage	12 Volts (DC)
Tuner Technology	VHF
Water Resistance Level	Water Resistant
Color	Black
Special Features	Long Range, Instant Channel 9/19, RF Gain Control, VOX Hands-Free Usage
Manufacturer	Cobra

## Warranty and Support

For detailed warranty information and technical support, please refer to the official Cobra Electronics website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

**Online Support:** Visit the Cobra Electronics website for FAQs, product registration, and support resources.

**Customer Service:** Contact Cobra customer service for assistance with troubleshooting or warranty service.

