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> Cobra 19 MINI AM/FM Recreational CB Radio Instruction Manual

Cobra 19MINIAMFM

Cobra 19 MINI AM/FM Recreational CB Radio Instruction Manual

Model: 19MINIAMFM

Brand: Cobra

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Cobra 19 MINI AM/FM Recreational CB Radio. Please read this manual thoroughly before using the device to ensure proper functionality and safety.



Image: The Cobra 19 MINI AM/FM CB Radio unit, its microphone, and included power cables (hardwire and 12V CLA) are displayed. The compact radio unit features a digital display and control knobs.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- CB Transceiver
- Microphone
- Microphone Bracket
- Transceiver Bracket
- Hardwire Kit (48")
- 12V Power Adapter (48")

19 MINI AM/FM CB RADIO

Complete Package Contents Include:



Image: A complete view of all items included in the Cobra 19 MINI AM/FM CB Radio package, including the radio unit, microphone, hardwire kit, 12V power adapter, and mounting hardware.

KEY FEATURES

- **Dual-Mode AM/FM Convenience:** Provides access to both AM and FM channels for broader communication options and improved sound quality.
- **Ultra-Compact Design:** Designed to fit into tight spaces, making it suitable for various vehicle types including recreational side-by-sides and off-roading vehicles.
- **Clear Communication:** Features 40 channels, full 4 Watts RF output power, and a heavy-duty microphone for loud and clear audio transmission.
- **Power Options:** Includes a 48" Hardwire Kit for direct-to-battery installation and a 48" 12V Power Adapter for instant power via a cigarette lighter port.
- **Instant Channels 9/19:** Quick access to emergency channel 9 and information channel 19 with a single button press.
- **VOX Hands-Free Usage:** Enables automatic transmission when speaking, allowing for hands-free operation.
- **Adjustable Receiver Sensitivity (RF Gain):** Allows adjustment of RF Gain sensitivity to reduce background noise

and static, optimizing signal reception.

SETUP AND INSTALLATION

Mounting the Radio

The Cobra 19 MINI CB Radio is designed for flexible mounting in various vehicles due to its compact size. Use the provided transceiver bracket and mounting hardware to secure the unit in a convenient location that does not obstruct driving or vehicle controls.



ULTRA COMPACT DESIGN

A full-featured CB radio for recreational or professional use that easily fits in the palm of your hand. Whether you are off-roading or going on a road trip the 19 MINI will be there to assist you when being left on your own.

Image: The Cobra 19 MINI CB Radio is shown mounted above the rearview mirror inside a vehicle, demonstrating its compact size and versatile placement options.

Power Connection

The unit offers two primary power connection methods:

1. **12V Power Adapter (Cigarette Lighter Plug):** For quick and easy setup, plug the provided 12V power adapter into

your vehicle's cigarette lighter socket.

2. **Hardwire Kit (Direct-to-Battery):** For a more permanent installation, use the 48" hardwire kit to connect the radio directly to your vehicle's battery. Ensure proper polarity (red to positive, black to negative) and use an inline fuse for safety. Consult a professional if unsure about direct wiring.

Microphone Connection

Connect the microphone cable to the designated port on the front of the CB transceiver. Use the microphone bracket to secure the microphone when not in use, ensuring it is easily accessible.

OPERATING INSTRUCTIONS

Power On/Off and Volume

To power on the unit, rotate the **VOL** knob clockwise. Continue rotating to adjust the listening volume. To power off, rotate the **VOL** knob counter-clockwise until it clicks off.

Channel Selection

The Cobra 19 MINI supports 40 CB channels. Use the channel up/down buttons (usually integrated with the microphone or on the unit) to select your desired channel. The current channel number will be displayed on the LCD screen.

AM/FM Mode Switching

Press the **AM/FM** button to toggle between Amplitude Modulation (AM) and Frequency Modulation (FM) modes. FM mode generally offers clearer audio quality over shorter distances, while AM is standard for longer-range CB communication.



AM/FM DUAL-MODE AM/FM

Access AM and FM channels to communicate with more users and with better sound quality.



EMERGENCY RADIO

Provides reliable communication which is not dependent on satellites and cellular networks.



Image: A detailed view of the Cobra 19 MINI CB Radio's digital display, indicating it is operating in FM mode on channel 19, with signal strength bars visible.

Instant Channels 9/19

For immediate access to emergency or information channels:

- Press the **9/19** button once to switch to Channel 9 (Emergency).
- Press the **9/19** button again to switch to Channel 19 (Information/Road Conditions).
- Press a third time to return to the previously selected channel.

VOX Hands-Free Usage

The Voice Operated Transmission (VOX) feature allows you to transmit without pressing the Push-To-Talk (PTT) button on the microphone. To enable VOX, refer to the menu settings on your unit. Adjust the VOX sensitivity to ensure it activates reliably with your voice while minimizing accidental transmissions from background noise.

Adjusting RF Gain and Squelch (SQ/ASQ)

- **RF Gain:** Use the **MENU** button to navigate to the RF Gain setting. Adjusting RF Gain controls the receiver's sensitivity to incoming signals. Lowering RF Gain can help reduce background noise from weak signals, while increasing it allows reception of weaker, more distant signals.
- **Squelch (SQ/ASQ):** The **SQ/ASQ** button controls the squelch level. Squelch mutes the receiver when no signal is present, eliminating static.
 - **SQ (Manual Squelch):** Adjust manually to the point where background static is just eliminated.
 - **ASQ (Automatic Squelch):** Provides automatic squelch control, simplifying operation by automatically adjusting to eliminate static.

MAINTENANCE

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

- Keep the unit clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the radio to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Regularly check all cable connections to ensure they are secure.
- Do not attempt to open the radio casing or perform internal repairs. This may void your warranty and could cause damage to the unit.

TROUBLESHOOTING

If you experience issues with your Cobra 19 MINI CB Radio, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Power	Loose power connection, blown fuse, vehicle's 12V socket issue.	Check power cable connections. Inspect and replace fuse if necessary. Test 12V socket with another device.
No Audio/Static Only	Volume too low, squelch set too high, antenna issue, no active transmission on channel.	Increase volume. Lower squelch (SQ/ASQ) setting. Ensure antenna is properly connected. Tune to an active channel.
Poor Transmission/Reception Range	Antenna not tuned, poor antenna ground, environmental interference, low RF Gain.	Ensure antenna is correctly installed and tuned. Check antenna ground connection. Adjust RF Gain. Move away from sources of electrical interference.
Microphone Not Working	Microphone cable loose, PTT button faulty, VOX not enabled/sensitive enough.	Check microphone cable connection. Ensure PTT button is fully depressed. If using VOX, check VOX settings and sensitivity.

If the problem persists after attempting these solutions, please contact Cobra customer support for further assistance.

SPECIFICATIONS

Attribute	Value
Model Number	19MINIAMFM

Attribute	Value
Product Dimensions	4.09 x 4.37 x 0.98 inches (Radio Unit)
Item Weight	10.6 ounces
Number of Channels	40
Frequency Range	26.965 MHz - 27.405 MHz
Voltage	13.8 Volts (DC)
Special Features	Auto Power On, Automatic Squelch, Dual-Mode AM/FM, Illuminated LCD Display, Instant Channels 9/19, Lightweight, VOX Hands-Free Usage, Voice Operated Transmission
Color	Black
Manufacturer	Cobra Electronics

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please visit the official Cobra website or refer to the warranty card included with your product. You can also visit the Cobra Store on Amazon for additional product information and support resources.

[Visit the Cobra Store on Amazon](#)