

Retevis MB4

Retevis MB4 DIN Mount CB Radio Kit Instruction Manual

Model: MB4

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Retevis MB4 DIN Mount CB Radio Kit. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.

PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact Retevis customer support.

- MB4 CB Radio (x1)
- Microphone (x1)
- Cigarette Lighter Plug (x1)
- External Antenna (x1)
- Mobile Bracket (x1)
- Microphone Hanger (x1)
- DIN Rack (x1)
- DIN Removal Key (x2)
- Spare Fuse (5A 250V) (x1)
- Tapping Screws (x4)
- Adjusting Screws (x2)
- User Manual (x1)

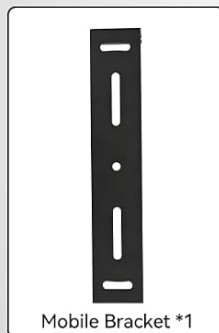
Package Includes



Microphone *1



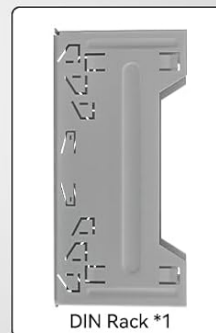
MB4 CB Radio *1



Mobile Bracket *1



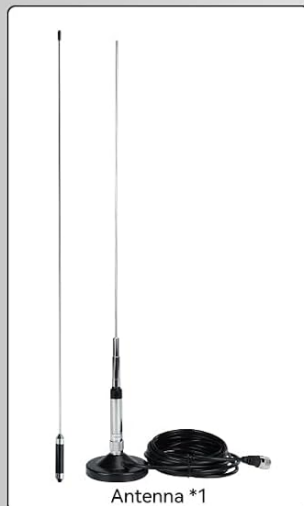
Microphone Hanger *1



DIN Rack *1



DIN Removal Key *2



Antenna *1



Spare Fuse (5A 250V) *1



Tapping Screw *4



Adjusting Screw *2



User Manual *1

Image: All components included in the Retevis MB4 CB Radio Kit.

PRODUCT OVERVIEW

The Retevis MB4 CB Radio is designed for reliable communication in various vehicle types. It features a compact design, noise cancellation, and multiple operational modes.

Video: Detailed overview of the Retevis MB4 CB Radio's design and features.

Front Panel Controls and Display

Standard DIN Design

Compatible with various installation scenarios



Method 1:DIN size



Method 2:Standard DIN frame



Image: Front view of the Retevis MB4 CB Radio, highlighting the display and control buttons.

1. **CH Knob:** Rotary knob for channel selection.
2. **MODE/PA Button:** Selects modulation mode (AM/FM) or Public Address (PA) function.
3. **MEM Button:** Accesses memory channels.
4. **NR/NB Button:** Activates/deactivates Noise Reduction (NR) and Noise Blanker (NB).
5. **EMG Button:** Quick access to emergency channels (9/19).
6. **TSQ/DIM Button:** Toggles CTCSS/DCS and adjusts display brightness.
7. **SCAN/RFG Button:** Initiates channel scan and adjusts RF Gain.
8. **MENU Button:** Enters/exits the menu for advanced settings.
9. **ASQ/SQ Knob:** Adjusts automatic squelch (ASQ) or manual squelch (SQ) level.
10. **VOL/OFF Knob:** Turns the radio on/off and adjusts volume.
11. **LCD Display:** Shows channel, mode, and other operational information.
12. **Microphone Plug:** Connects the included microphone.
13. **LED Indicator:** Displays radio status (e.g., transmit/receive).

Bidirectional Noise Cancellation

For clear, distortion-free sound



RF Gain



ASQ/SQ



Two-way
Noise Cancellation

Transmitting:
Filter out environmental noise

Receiving:
Purify the other party's signal



Image: Rear view of the Retevis MB4 CB Radio, showing the antenna and external speaker connections.

1. **ANT:** Antenna connector (SO-239 type).
2. **EXT.LSP:** External speaker jack (3.5mm).
3. **POWER:** Power input (12V/24V DC).

SETUP

Proper setup is crucial for optimal performance and safety. Follow these steps carefully.

Mounting the Radio

The Retevis MB4 offers flexible installation options for various vehicles.

AM/FM Dual Modes

Adapted to car scenarios, easy to operate and switch

FM:
Clear and stable sound quality

AM:
Long-distance signal reception



Image: The Retevis MB4 CB Radio mounted in a vehicle's DIN slot.

1. **DIN Mount:** For vehicles with a DIN-sized slot, insert the provided DIN rack into the slot and secure it. Then, slide the CB radio into the DIN rack until it locks into place.
2. **Mobile Bracket Mount:** For vehicles without a DIN slot, use the included mobile bracket to mount the radio in a desired position. Secure the bracket using the tapping screws, then attach the radio to the bracket using the adjusting screws.

Video: Instructions on how to install the MB4 CB radio using the panel mount.

Connecting the Antenna

Connect the external antenna to the ANT connector on the rear panel of the radio. Ensure the connection is tight and secure for optimal signal transmission and reception.

AM/FM Dual Modes

Adapted to car scenarios, easy to operate and switch

FM:
Clear and stable sound quality

AM:
Long-distance signal reception



Image: Connecting the antenna to the Retevis MB4 CB Radio.

Connecting the Microphone

Plug the microphone cable into the Microphone Plug on the front panel of the radio. Ensure it clicks into place securely.

12V/24V Voltage Compatibility

Reliable power for all vehicle types



12V for light-duty vehicles



24V for heavy-duty vehicles

Image: Connecting the microphone to the Retevis MB4 CB Radio.

Power Connection

The Retevis MB4 is compatible with both 12V and 24V vehicle power systems. Connect the included cigarette lighter plug to the POWER input on the rear of the radio, then plug it into your vehicle's cigarette lighter socket.

Front Speaker

Designed to provide clear sound delivery



MB4-- Front Speaker

- ✓ Unobstructed sound
- ✓ 2W powerful audio



Others -- Bottom or Side speakers

- ⊗ Sound obstruction
- ⊗ 1W audio output

Image: Connecting the Retevis MB4 CB Radio to a vehicle's power source via the cigarette lighter plug.

OPERATING INSTRUCTIONS

Familiarize yourself with the basic operations of your Retevis MB4 CB Radio.

Video: Demonstrating the basic operation of the MB4 CB radio.

Power On/Off and Volume Adjustment

1. To power on the radio, rotate the **VOL/OFF** knob clockwise. The LCD display will illuminate.
2. Continue rotating the **VOL/OFF** knob to adjust the listening volume.
3. To power off, rotate the **VOL/OFF** knob counter-clockwise until it clicks.

Channel Selection

The Retevis MB4 supports 40 AM/FM channels.

1. Rotate the **CH Knob** to select your desired channel.
2. Press the **MODE/PA** button to switch between AM and FM modes. FM mode provides clearer short-range communication, while AM mode is suitable for longer-range monitoring.

Know About Retevis MB4 CB Radio



Image: The Retevis MB4 CB Radio showing its AM/FM dual mode capability.

Push-to-Talk (PTT)

To transmit, press and hold the PTT button on the microphone. Release the button to listen.

Squelch (ASQ/SQ)

The squelch function eliminates background noise when no signal is present.

1. **Automatic Squelch (ASQ):** Rotate the **ASQ/SQ** knob to adjust the automatic squelch level. Higher levels require stronger signals to open the squelch.
2. **Manual Squelch (SQ):** Rotate the **ASQ/SQ** knob to adjust the manual squelch level.

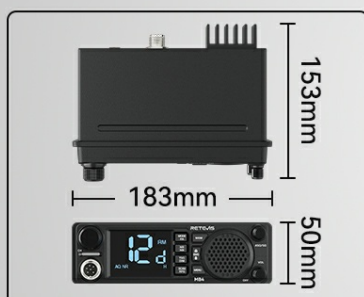
Noise Reduction (NR/NB)

The two-way noise cancellation technology reduces engine and road noise.

1. Press the **NR/NB** button to activate or deactivate the Noise Reduction (NR) feature.
2. Press and hold the **NR/NB** button to activate or deactivate the Noise Blanker (NB) feature.

Easy & Flexible Installation

DIN size + Standard DIN frame



No Pressure for Multi-Scenario Installation



Image: Visual representation of the intelligent two-way noise reduction feature.

CTCSS/DCS Tones

CTCSS (Continuous Tone-Coded Squelch System) and DCS (Digitally Coded Squelch) tones help filter out unwanted conversations.

1. Press the **TSQ/DIM** button to cycle through CTCSS/DCS settings.
2. Use the **CH Knob** or UP/DN buttons on the microphone to select the desired tone.



Light Trucks

Seamless communication and powerful sound for any adventure

Image: The Retevis MB4 CB Radio highlighting its CTCSS/DCS capability.

VOX (Voice Operated Exchange)

VOX allows for hands-free transmission when speaking into the microphone.

1. Short press the **EMG** button to activate or deactivate the VOX function. An icon will appear on the LCD when active.
2. Adjust VOX sensitivity and delay time through the menu settings.



Heavy Trucks

Reliable communication and clear audio for long hauls.

Image: The Retevis MB4 CB Radio demonstrating hands-free communication via VOX.

Scan Function

The scan function allows the radio to automatically search for active channels.

1. Press the **SCAN/RFG** button to activate channel scanning.

2. The radio will stop on an active channel and resume scanning after a short delay once the signal disappears.

RF Gain (RFG)

RF Gain adjusts the receiver's sensitivity to incoming signals.

1. Press and hold the **SCAN/RFG** button to enter RF Gain adjustment mode.
2. Rotate the **CH Knob** or use the UP/DN buttons on the microphone to adjust the RF Gain level.

Emergency Channels (EMG)

The radio provides quick access to emergency channels 9 and 19.

1. Press the **EMG** button to quickly switch to emergency channel 9.
2. Press the **EMG** button again to switch to emergency channel 19.
3. Press the **EMG** button a third time to return to the previously selected channel.

Channel Lock

The channel lock feature prevents accidental changes to the selected channel.

1. Press and hold the **EMG** button to lock the keys. A lock icon will appear on the LCD.
2. Press and hold the **EMG** button again to unlock the keys. The lock icon will disappear.

Screen Brightness Adjustment

Adjust the brightness of the LCD display for optimal visibility in various lighting conditions.

1. Press and hold the **TSQ/DIM** button to enter brightness adjustment mode.
2. Rotate the **CH Knob** or use the UP/DN buttons on the microphone to adjust the brightness level.

Memory Function (MEM)

The memory function allows you to store and recall frequently used channels.

1. To store a channel: Select the desired channel, then press and hold the **MEM** button until the channel number blinks. Use the **CH Knob** or UP/DN buttons to select a memory slot, then short press **MEM** to save.
2. To recall a channel: Short press the **MEM** button to enter memory mode. Use the **CH Knob** or UP/DN buttons to browse stored channels. Short press **MEM** again to exit memory mode.

Public Address (PA) Mode

The PA function allows you to use the radio's microphone to broadcast your voice through an external speaker (not included, connected to EXT.LSP jack).

1. Press the **MODE/PA** button to switch to PA mode. The LCD will display "PA".
2. Speak into the microphone to broadcast.
3. Press the **MODE/PA** button again to return to normal CB operation.

MAINTENANCE

To ensure the longevity and optimal performance of your Retevis MB4 CB Radio, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Connections:** Regularly check all cable connections (antenna, microphone, power) to ensure they are secure and free from corrosion.

- **Storage:** When not in use for extended periods, store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- **Antenna Care:** Inspect the antenna for any damage or wear. Ensure it is properly mounted and tuned for your operating frequency.

TROUBLESHOOTING

If you encounter issues with your Retevis MB4 CB Radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Loose power connection, blown fuse, vehicle power issue.	Check power cable connection. Inspect and replace the fuse if blown. Verify vehicle's 12V/24V power supply.
No reception or poor reception	Antenna not connected, damaged antenna, high squelch level, incorrect mode (AM/FM).	Ensure antenna is securely connected. Check antenna for damage. Lower the squelch level. Verify correct AM/FM mode.
Cannot transmit	Microphone not connected, faulty microphone, channel lock active.	Check microphone connection. Test with another microphone if available. Deactivate channel lock.
Distorted audio	High volume, high noise level, poor signal quality.	Adjust volume. Activate Noise Reduction (NR/NB). Check antenna tuning.
Display not working or dim	Brightness setting too low, internal fault.	Adjust screen brightness using the TSQ/DIM button. If issue persists, contact support.

SPECIFICATIONS

Feature	Detail
Item Weight	6.19 pounds
Package Dimensions	25.25 x 10.25 x 6.25 inches
Item model number	MB4
ASIN	B0FYCZR6YL
Brand	Retevis
Color	Black
Number of Channels	40
Special Feature	DIN dash installation, High-Output Front Speaker, Large Readable Display
Frequency Range	26.965 MHz to 27.405 MHz

Feature	Detail
Water Resistance Level	Not Water Resistant
Included Components	Cigarette Lighter Plug X1, External Antenna X1, MB4 CB radio X1, Microphone X1, Mobile bracket & DIN rack & User manual X1
Compatible Devices	Vehicles with 12V or 24V power supply and cigarette lighter socket
Unit Count	1.0 Count
Manufacturer	Retevis

WARRANTY AND SUPPORT

Retevis provides a 2-year warranty for the radio body and a 1-year warranty for accessories. You are eligible for a 30-day no-reason return. For any issues beyond the warranty period, maintenance services are offered at corresponding costs. For support or warranty claims, please contact Retevis customer service on Amazon. They aim to reply within 12 hours. For additional information and resources, visit the official Retevis store:[Retevis Store](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

