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› ABBREE AR-M6 CB Radio Instruction Manual

## ABBREE AR-M6

# ABBREE AR-M6 CB Radio Instruction Manual

Model: AR-M6

Brand: ABBREE

## 1. INTRODUCTION

Thank you for choosing the ABBREE AR-M6 CB Radio. This mobile CB radio is designed to provide reliable long-distance communication, making it ideal for truck drivers and anyone needing robust two-way radio capabilities. It features 40 channels, dual AM/FM modes, instant access to emergency channels, and advanced noise reduction functions.

### Key Features:

- 40 CB Channels for comprehensive coverage.
- Dual-Mode AM/FM for versatile communication.
- Instant Channel 9 (Emergency) and Channel 19 (Trucker) access.
- ASQ/SQ Control for manual and automatic squelch.
- VOX Function for hands-free operation.
- Compact design with a high-quality speaker microphone.

FCC ID: 2BDQ3AR-M6

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- 1 x ABBREE AR-M6 CB Radio with Power Cable
- 1 x Hand Microphone
- 1 x Mounting Bracket
- 1 x Screw and Accessories Set
- 1 x Instruction Manual

# Package Includes



**AR-M6 CB Radio  
With Power Cable**



**Mounting Bracket**



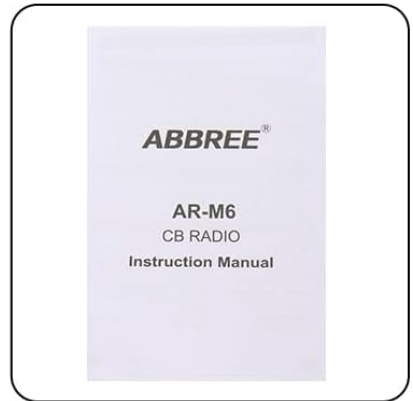
**Hand-Microphone**



**Screw and accessories**



**Box**



**Instructions**

Image: The package includes the AR-M6 CB Radio, hand microphone, mounting bracket, screws and accessories, and the instruction manual.

## 3. PRODUCT OVERVIEW

Familiarize yourself with the various components and controls of your AR-M6 CB Radio.

# Detail Display

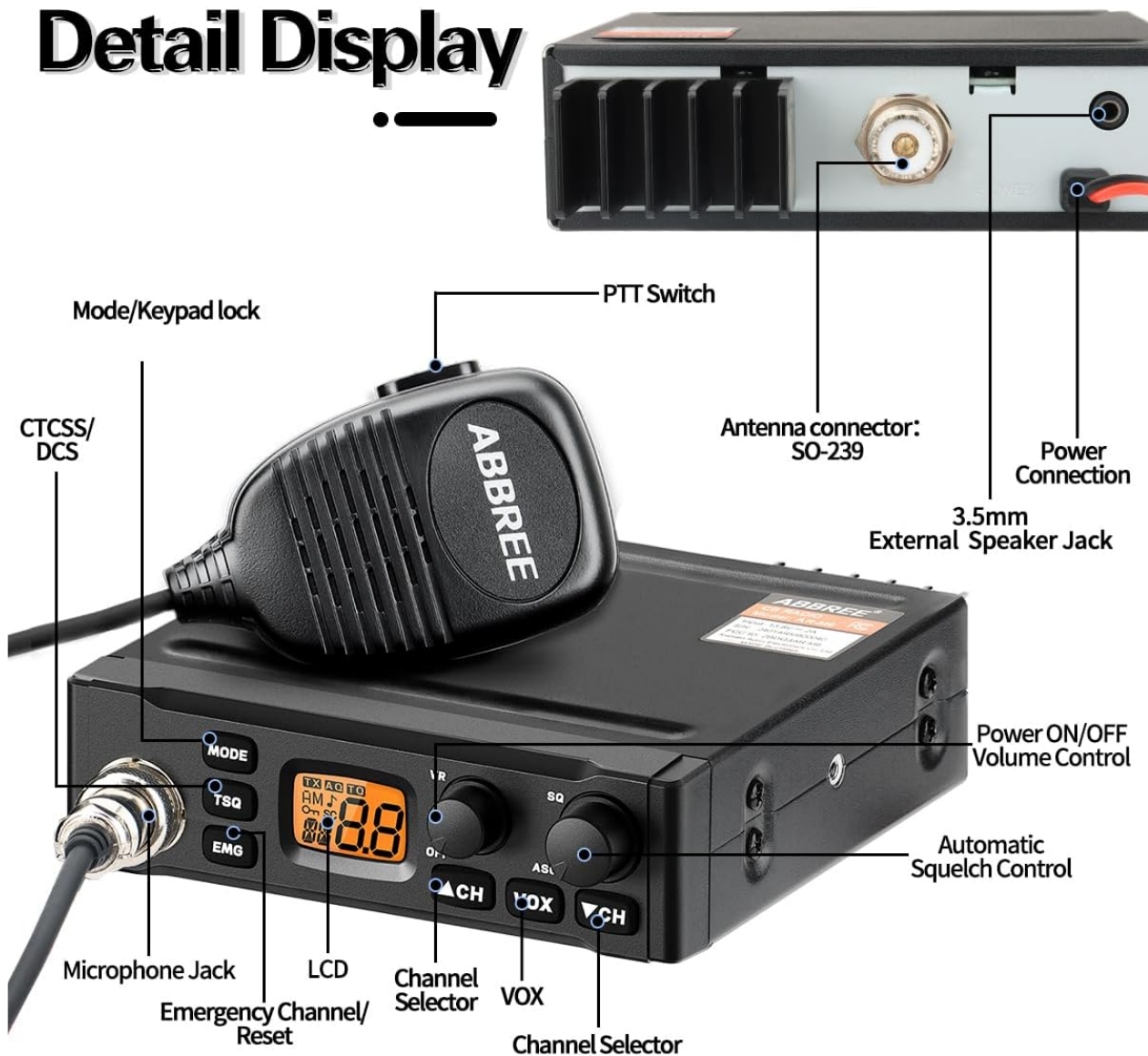


Image: A detailed view of the AR-M6 CB Radio, highlighting its various controls and connection points.

## Front Panel Controls:

- **MODE Button:** Toggles between AM and FM modulation.
- **TSQ Button:** Toggles the Tone Squelch (CTCSS/DCS) function.
- **EMG Button:** Provides instant access to Emergency Channel 9 and Trucker Channel 19.
- **VR Knob (Volume/Power):** Turns the radio on/off and adjusts the audio volume.
- **SQ Knob (Squelch):** Adjusts the manual squelch level to eliminate background noise.
- **ASQ Button (Automatic Squelch):** Activates or deactivates the automatic squelch function.
- **VOX Button:** Activates or deactivates the Voice Operated Exchange (VOX) function.
- **CH ▲/▼ Buttons:** Selects the desired communication channel.
- **LCD Display:** Shows current channel, mode, and other operational indicators.

## Rear Panel Connections:

- **Antenna Connector (SO-239):** For connecting your external CB antenna.
- **Power Connection:** For connecting the 13.8V DC power cable.
- **3.5mm External Speaker Jack:** For connecting an optional external speaker.

## Microphone:

- **Microphone Jack:** Connects the included hand microphone.
- **PTT Switch:** Push-To-Talk button for transmitting.

## 4. SETUP

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Follow these steps to properly set up your ABBREE AR-M6 CB Radio for optimal performance.

### 4.1 Mounting the Radio

1. Choose a secure and accessible location in your vehicle, away from direct sunlight or excessive heat.
2. Use the provided mounting bracket as a template to mark drilling locations.
3. Drill pilot holes and secure the mounting bracket using the supplied screws.
4. Slide the radio into the mounting bracket and secure it with the side knobs.

### 4.2 Power Connection

1. Ensure your vehicle's ignition is off.
2. Connect the red wire of the power cable to a positive (+) 13.8V DC power source (e.g., vehicle battery or fuse box). It is recommended to connect to a switched power source to prevent battery drain.
3. Connect the black wire of the power cable to a negative (-) ground point on the vehicle chassis.
4. Plug the power cable connector into the Power Connection port on the rear of the radio.

### 4.3 Antenna Connection

1. Connect your external CB antenna (not included) to the SO-239 Antenna Connector on the rear of the radio.
2. Ensure the antenna is properly tuned (low SWR) for optimal performance and to prevent damage to the radio. Consult your antenna's manual for tuning instructions.

### 4.4 Microphone Connection

1. Plug the microphone connector firmly into the Microphone Jack on the front of the radio.

## 5. OPERATING INSTRUCTIONS

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This section details the functions and operations of your AR-M6 CB Radio.

### 5.1 Power On/Off and Volume Control

Rotate the **VR knob** clockwise to turn the radio on. Continue rotating clockwise to increase the volume. Rotate counter-clockwise to decrease the volume and fully counter-clockwise to turn the radio off.

### 5.2 Channel Selection

Press the **CH ▲** or **CH ▼** buttons to select your desired communication channel (1-40). The selected channel number will be displayed on the LCD.

### 5.3 AM/FM Mode Selection

Press the **MODE** button to switch between AM (Amplitude Modulation) and FM (Frequency Modulation)

modes. The selected mode will be indicated on the LCD. FM mode generally offers clearer audio quality over shorter distances, while AM is standard for most CB communications.



Image: The AR-M6 CB Radio supports both AM and FM modes, providing clear communication.

#### 5.4 Emergency Channel Access (CH9/19)

Press the **EMG** button for instant access to Channel 9 (Emergency) or Channel 19 (Trucker). This allows for quick communication in critical situations or with other truck drivers.



## Emergency Channel(CH9/19)

One click access to emergency channel 9 (emergency) and channel 19 (truck driver) to provide reliable communication and receive assistance in the first place.

Image: The radio provides one-click access to emergency channels 9 and 19 for immediate assistance.

### 5.5 Squelch Control (SQ/ASQ)

Squelch eliminates background noise when no signal is being received.

- **Manual Squelch (SQ Knob):** Rotate the **SQ knob** clockwise until the background noise disappears. Do not set it too high, as it may block weak signals.
- **Automatic Squelch (ASQ Button):** Press the **ASQ button** to activate the automatic squelch function. This feature automatically adjusts the squelch level for optimal performance. Press again to deactivate.

# ASQ/SQ Control

Supporting manual and automatic noise reduction functions helps this radio to shield background static electricity and noise during reception.



Image: The ASQ/SQ control helps to reduce background static and noise for clearer reception.

## 5.6 VOX Function (Voice Operated Exchange)

The VOX function allows you to transmit by speaking into the microphone without pressing the PTT button. Press the **VOX button** to activate or deactivate this feature. Adjust VOX sensitivity as needed to prevent accidental transmissions or missed voice activations.

## 5.7 Keypad Lock

The keypad lock feature prevents accidental changes to settings. Refer to the specific instructions in your manual for activating and deactivating the keypad lock, usually by pressing and holding a combination of buttons.

## 5.8 Full Channel Scan

The scan feature allows the radio to automatically scan through all available channels and stop on an active one. Consult your manual for the specific button or sequence to initiate and stop the scan function.

## 5.9 CTCSS & DCS (Tone Squelch)

The AR-M6 supports 38 CTCSS (Continuous Tone-Coded Squelch System) and 104 DCS (Digital Coded Squelch) codes. These codes allow you to filter out unwanted conversations and only hear transmissions from users who are using the same CTCSS/DCS code. This feature is typically available in FM mode. Refer to your manual for instructions on setting and using CTCSS/DCS codes.

## 6. MAINTENANCE

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Proper care and maintenance will ensure the longevity and optimal performance of your CB radio.

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the radio. Do not use abrasive cleaners or solvents.
- **Antenna:** Regularly check your antenna and its connections for any damage or corrosion. Ensure it is securely mounted and properly tuned.
- **Connections:** Periodically check all cable connections (power, antenna, microphone) to ensure they are secure.
- **Environment:** Avoid exposing the radio to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

## 7. TROUBLESHOOTING

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If you encounter issues with your AR-M6 CB Radio, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Radio does not power on.	No power connection; Blown fuse; Incorrect wiring.	Check power cable connections; Check vehicle fuse; Verify correct polarity (+/-).
No reception or transmission.	Antenna not connected; High SWR; Squelch set too high; Incorrect channel/mode.	Ensure antenna is connected; Check SWR; Adjust SQ knob; Verify channel and AM/FM mode.
Poor audio quality (static/noise).	Squelch not properly adjusted; Interference; Weak signal.	Adjust SQ knob or activate ASQ; Move away from interference sources; Check antenna tuning.
Microphone not working.	Microphone not fully plugged in; Damaged microphone cable.	Ensure microphone is securely connected; Inspect cable for damage.

## 8. SPECIFICATIONS

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Detailed technical specifications for the ABBREE AR-M6 CB Radio.

Feature	Specification
Brand	ABBREE
Model	AR-M6
Number of Channels	40
Frequency Range	26.965-27.405 MHz
Tuner Technology	AM/FM Dual Mode
Output Power	4 Watts
Input Voltage	13.8 Volts
CTCSS & DCS	38 CTCSS & 104 DCS
Special Features	Long Distance, Automatic Squelch, Keypad Lock, VOX Function, Full Channel Scan, Emergency Radio (CH9/19)
Compatible Devices	Various vehicles
Water Resistance Level	Not water resistant
Item Dimensions (Package)	25.4 x 17.6 x 5.6 cm
Item Weight (Package)	930 g

## 9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the retailer/manufacturer directly. ABBREE is committed to providing quality products and support. Please retain your proof of purchase for any warranty claims.