

Caliber RMD120DAB-BT-B

Caliber RMD120DAB-BT-B Car Radio User Manual

Model: RMD120DAB-BT-B

1. INTRODUCTION

Thank you for choosing the Caliber RMD120DAB-BT-B Car Radio. This 1-DIN car radio combines modern audio features with a classic retro design, making it a versatile addition to your vehicle. It offers a wide range of connectivity options including Bluetooth for wireless audio streaming and hands-free calling, DAB+ for superior digital radio quality, and traditional FM/AM radio. Additionally, it supports media playback via USB, SD card, and AUX input.

This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure you get the most out of your new car radio. Please read this manual thoroughly before using the product and keep it for future reference.

2. SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following safety guidelines:

- **Professional Installation Recommended:** Due to the complexity of car electrical systems, professional installation is highly recommended. Incorrect wiring can cause damage to the unit or your vehicle.
- **Power Supply:** Connect the unit only to a 12V DC car battery with a negative ground.
- **Avoid Moisture:** Do not expose the unit to rain or moisture to prevent fire or electric shock.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating.
- **Volume Control:** Keep the volume at a level that allows you to hear outside traffic sounds. Excessive volume can impair your ability to drive safely.
- **Cleaning:** Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.

3. PRODUCT OVERVIEW

The Caliber RMD120DAB-BT-B is designed for ease of use and integration into various vehicle dashboards, particularly those with a retro aesthetic. Key features include:

- Bluetooth for audio streaming (A2DP) and hands-free calling.
- DAB+ digital radio tuner for high-quality audio reception.
- FM/AM radio with RDS EON function for traffic information.
- USB port and SD card slot for media playback.
- Front AUX input for external audio devices.
- 4 x 75 Watt maximum power output.
- Standard 1-DIN size for easy replacement of existing car radios.



Figure 1: Front view of the Caliber RMD120DAB-BT-B Car Radio, showing the display, control knobs, and buttons.



Figure 2: The Caliber RMD120DAB-BT-B Car Radio seamlessly integrated into a classic car's dashboard, highlighting its retro design.

4. SETUP AND INSTALLATION

This section provides general guidelines for installing your car radio. For specific wiring diagrams, please refer to the separate installation guide or consult a professional installer.

4.1 Pre-Installation Checklist

- Ensure your vehicle has a 1-DIN opening.
- Gather necessary tools (screwdrivers, wire strippers, crimpers, electrical tape).
- Disconnect the vehicle's negative battery terminal before starting any electrical work.

4.2 Wiring Connections

Standard wiring connections typically include:

- **Yellow Wire (Constant 12V):** Connect to a constant 12V power source (battery) to retain memory settings.

- **Red Wire (Switched 12V):** Connect to an ignition-switched 12V power source.
- **Black Wire (Ground):** Connect to a clean chassis ground point.
- **Blue Wire (Antenna/Amplifier Remote):** Connect to your power antenna or external amplifier remote turn-on lead.
- **Speaker Wires:** Connect to your vehicle's speakers, ensuring correct polarity for each speaker (e.g., white/white-black for front left, grey/grey-black for front right, etc.).
- **DAB+ Antenna:** A dedicated DAB+ antenna (not always included) is required for DAB+ reception. Connect it to the appropriate input on the rear of the unit.
- **FM/AM Antenna:** Connect your vehicle's standard FM/AM antenna.

4.3 Mounting the Unit

Slide the metal mounting sleeve into the dashboard opening. Bend the tabs to secure it. Insert the car radio into the sleeve until it clicks into place.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Volume

- **Power On:** Press the **MODE/POWER** button (usually the right-most knob) to turn the unit on.
- **Power Off:** Press and hold the **MODE/POWER** button.
- **Volume Control:** Rotate the **VOLUME** knob (usually the left-most knob or the main power knob) clockwise to increase volume, counter-clockwise to decrease.

5.2 Source Selection

Press the **MODE** button repeatedly to cycle through available sources: DAB+, FM, AM, Bluetooth, USB, SD, AUX.

5.3 Radio Operation (DAB+/FM/AM)

- **Band Selection:** In radio mode, press the **BAND** button to switch between DAB1, DAB2, DAB3 (for DAB+), FM1, FM2, FM3 (for FM), and AM1, AM2 (for AM).
- **Automatic Tuning:** Press and hold the **SEEK** buttons (usually >>| or |<<) to automatically search for the next strong station.
- **Manual Tuning:** Briefly press the **SEEK** buttons to manually adjust the frequency step by step.
- **Storing Presets:** Tune to your desired station. Press and hold one of the preset buttons (1-6) until you hear a beep, indicating the station is saved.
- **Recalling Presets:** Briefly press the corresponding preset button (1-6) to recall a saved station.
- **RDS EON:** The radio supports RDS EON, providing traffic announcements and other information on FM stations where available.

Note: Some users have reported that only 6 DAB presets are available, despite the manual potentially indicating more. This may vary by firmware version.

5.4 Bluetooth Operation

- **Pairing:**
 1. Select Bluetooth mode on the car radio. The display will show "PAIRING" or "BT PAIR".
 2. On your smartphone, enable Bluetooth and search for available devices.
 3. Select "Caliber RMD120DAB-BT-B" (or similar name) from the list.

4. If prompted, enter the PIN code (usually "0000").
 5. Once paired, the display will show "CONNECTED" or "BT MUSIC".
- **Audio Streaming (A2DP):** Play music on your paired smartphone, and it will stream wirelessly to the car radio. Use the radio's controls (play/pause, next/previous track) or your phone's controls.
 - **Hands-Free Calling:**
 - **Answering a Call:** When a call comes in, press the **CALL** button (often a green phone icon) on the radio.
 - **Ending a Call:** Press the **CALL** button again (often a red phone icon).
 - **Dialing:** Use your phone to dial, and the audio will route through the car radio.

5.5 USB / SD Card / AUX Playback



Figure 3: The car radio showing the USB port and SD card slot, with a USB stick and SD card for illustration.

- **USB/SD Card:**
 1. Insert a USB flash drive into the USB port or an SD card into the SD card slot.
 2. The unit will automatically switch to USB/SD mode and begin playback. If not, press the **MODE** button to select the correct source.
 3. Use the **PLAY/PAUSE**, **NEXT TRACK**, and **PREVIOUS TRACK** buttons to control playback.
 4. Supported audio formats typically include MP3 and WMA.
- **AUX Input:**
 1. Connect an external audio device (e.g., MP3 player, smartphone) to the front AUX input using a 3.5mm audio cable.
 2. Press the **MODE** button to select AUX source.
 3. Control playback from the connected external device.

5.6 Audio Settings

Press the **MENU** or **DSP** button (if available) to access audio settings such as Bass, Treble, Balance, Fader, and Equalizer presets. Rotate the volume knob or use the seek buttons to adjust values.

6. MAINTENANCE

- **Cleaning the Unit:** Use a soft, dry cloth to wipe the front panel and display. For stubborn dirt, slightly dampen the cloth with water. Never use harsh chemicals, abrasive cleaners, or solvents (e.g., alcohol, benzene, thinners) as they can damage the finish or display.
- **Removable Faceplate (if applicable):** If your model has a removable faceplate, handle it carefully. Store it in a protective case when removed to prevent scratches or damage.

- **Firmware Updates:** Check the Caliber website periodically for any available firmware updates for your model. Follow instructions carefully if performing an update.

7. TROUBLESHOOTING

If you encounter issues with your Caliber RMD120DAB-BT-B, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power / Unit does not turn on.	Incorrect wiring; Blown fuse; Vehicle battery issue.	Check power and ground connections. Inspect the fuse (usually located on the rear of the unit or in the vehicle's fuse box). Ensure the car battery is charged.
No sound.	Volume too low; Mute activated; Incorrect speaker wiring; Incorrect source selected.	Increase volume. Check if mute is active. Verify speaker connections. Ensure the correct audio source (Radio, BT, USB, AUX) is selected.
Poor radio reception (FM/AM/DAB+).	Antenna not connected or damaged; Weak signal area; DAB+ antenna not installed or faulty.	Check antenna connection. Ensure DAB+ antenna is properly installed and connected. Try tuning in a different location.
Bluetooth not connecting or poor audio.	Device not paired; Bluetooth interference; Device too far.	Ensure Bluetooth is enabled on your phone and the radio is in pairing mode. Re-pair the device. Move the phone closer to the radio.
USB/SD card not recognized or playback issues.	Unsupported file format; Corrupted files; USB/SD card not properly inserted; Incompatible storage device.	Ensure files are in supported formats (MP3, WMA). Reinsert the USB/SD card. Try a different USB/SD card. Format the card if necessary (FAT32).
Microphone not working during calls.	Microphone not connected (if external); Microphone faulty; Volume too low.	Ensure the microphone is properly connected. Check microphone settings on the unit. Increase call volume.

If the problem persists after trying these solutions, please contact Caliber customer support or your dealer for assistance.

8. SPECIFICATIONS

Feature	Specification
Brand	Caliber
Model Number	RMD120DAB-BT-B
Color	Black
Connectivity Technology	Bluetooth, Auxiliary
Connector Type	USB Type A

Feature	Specification
Special Features	DAB, RDS
Compatible Devices	Smartphone
Max Power Output	4 x 75 Watts
Audio Output Mode	RCA
Surround Sound Channel Configuration	4.0
Form Factor	1-DIN



9. WARRANTY AND SUPPORT









Caliber products are designed and manufactured to the highest quality standards. In the unlikely event of a defect, Caliber offers a warranty on this product. Please refer to the warranty card included with your purchase or visit the official Caliber website for detailed warranty terms and conditions specific to your region. For technical support, troubleshooting assistance, or inquiries about spare parts, please contact your authorized Caliber dealer or visit the Caliber Europe BV website for contact information. When contacting support, please have your product model number (RMD120DAB-BT-B) and proof of purchase readily available.

Manufacturer: Caliber Europe BV

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Related Documents - RMD120DAB-BT-B

	<p>Caliber RMD120DAB-BT-B Car Stereo DAB+ Bluetooth Quickstart Guide</p> <p>Comprehensive quickstart guide for the Caliber RMD120DAB-BT-B car stereo, covering installation, specifications, features, safety, and operation. Includes DAB+, Bluetooth, and USB/WMA playback.</p>
	<p>Caliber RCD120DAB-BT-B Quickstart Guide</p> <p>Quickstart guide for the Caliber RCD120DAB-BT-B car stereo, covering installation, specifications, wiring, and basic operation for DAB+ radio and Bluetooth connectivity.</p>

<div></div> <div></div> <div><p>RMD 061DAB-BT Manual NL FR DE GB ES IT SE</p></div>	<p>Caliber RMD 061DAB-BT Autoradio Handleiding: Functies & Installatie</p> <p>Uitgebreide handleiding voor de Caliber RMD 061DAB-BT autoradio, met installatie-, bedradings-, specificatie- en bedieningsinformatie voor DAB+, Bluetooth, USB en SD functies.</p>
<div></div> <div></div> <div><p>RCD 238DAB-BT Quickstart guide NL FR DE GB ES IT SE</p></div>	<p>Caliber RCD 238DAB-BT Quickstart Guide and Safety Precautions</p> <p>This document provides a quickstart guide and essential safety precautions for the Caliber RCD 238DAB-BT car stereo. It covers installation, specifications, DAB antenna setup, and important warnings for safe operation.</p>
<div></div> <div></div> <div><p>RMD 034DAB-BT Quickstart guide NL FR DE GB ES SE IT</p></div>	<p>Caliber RMD 034DAB-BT: DAB+ Car Stereo with Bluetooth - Quick Start Guide</p> <p>Comprehensive quick start guide for the Caliber RMD 034DAB-BT car audio system. Learn about installation, features like DAB+ radio, Bluetooth, USB/SD playback, and specifications.</p>
<div></div> <div></div> <div><p>RMD 213DAB-BT Manual GB DE FR ES IT</p></div>	<p>CALIBER RMD 213DAB-BT User Manual - Car Radio with Bluetooth, USB, SD, AUX, RDS</p> <p>Comprehensive user manual for the CALIBER RMD 213DAB-BT car radio. Features include Bluetooth, USB/SD playback, FM tuner, AUX input, RDS, and technical specifications. Installation and operation guides are provided in multiple languages.</p>