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aboutBit CA-63CP

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Model: CA-63CP

1. INTRODUCTION

Thank you for choosing the aboutBit CA-63 Single Din CarPlay Stereo Receiver. This manual provides detailed instructions for installation, operation, and troubleshooting to ensure optimal performance and user experience. Please read this manual thoroughly before using the product and retain it for future reference.

2. SAFETY INFORMATION

- **Driving Safety:** Always operate the device responsibly. Do not perform complex operations that distract you from driving.
- **Installation:** Professional installation is recommended. Ensure all wiring is correctly connected to prevent damage or malfunction.
- **Power Supply:** Connect the unit to a 12V DC car battery with a negative ground. Incorrect voltage can cause damage.
- **Temperature:** Avoid exposing the unit to extreme temperatures or direct sunlight for extended periods.
- **Moisture:** Keep the unit away from water and excessive moisture.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- aboutBit CA-63 Single Din CarPlay Stereo Receiver
- Wiring Harness & Mounting Kits
- IR Remote Control
- User Manual

4. PRODUCT OVERVIEW

The aboutBit CA-63 features a 6.5-inch IPS touchscreen, a physical volume knob, and multiple connectivity options for a comprehensive in-car entertainment experience.



Figure 4.1: Front view of the aboutBit CA-63 Single Din CarPlay Stereo Receiver, showing the 6.5-inch touchscreen, physical volume knob, USB, AUX, and Type-C ports. An infrared remote control and a smartphone displaying Apple CarPlay and Android Auto icons are also shown.

Front Panel Features:

- **6.5-inch IPS Touchscreen:** High-definition display for clear visuals and responsive touch control.
- **Physical Volume Knob:** For precise and easy volume adjustment.
- **USB Port:** For media playback, CarPlay, and Android Auto connections.
- **AUX-in Port:** For connecting external audio devices.
- **Type-C Charge Port:** Provides 2.1A fast charging for compatible devices.
- **Microphone (MIC):** Built-in for hands-free calling.
- **IR Receiver:** For remote control operation.

5. INSTALLATION

The aboutBit CA-63 is designed for standard single DIN dash openings. Ensure your vehicle has adequate space before installation.

5.1 Wiring Diagram

Refer to the following diagram for proper wiring connections. Incorrect wiring can damage the unit or vehicle electrical system.

Figure 5.1: Diagram illustrating the standard single DIN dimensions of the aboutBit CA-63 receiver and its rear panel connections. It includes a detailed wiring harness diagram for power, speakers, and auxiliary inputs/outputs.

5.2 Installation Steps (General)

1. **Disconnect Battery:** Before starting, disconnect the negative terminal of your vehicle's battery to prevent electrical shorts.
2. **Remove Old Unit:** Carefully remove your existing car stereo.
3. **Connect Wiring:** Match the wires from the CA-63's harness to your vehicle's wiring harness. Pay close attention to power (constant 12V, accessory 12V, ground), speaker wires, and any auxiliary connections (e.g., reverse trigger for backup camera).
4. **Mount Unit:** Secure the CA-63 into the single DIN dash opening using the provided mounting kits.
5. **Reconnect Battery:** Once all connections are secure and the unit is mounted, reconnect the vehicle battery.
6. **Test Functionality:** Turn on the vehicle and test all functions of the stereo receiver.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- Press the power button (usually integrated with the volume knob) to turn the unit on or off.
- The unit will typically power on automatically when the vehicle's ignition is turned on.

6.2 Volume Control

- Rotate the physical knob clockwise to increase volume and counter-clockwise to decrease volume.
- Press the knob to mute/unmute audio.

6.3 Main Menu Navigation

- Tap icons on the touchscreen to access different functions such as Radio, Bluetooth, CarPlay/Android Auto, USB, AUX, and Settings.
- Swipe left or right on the screen to navigate between different home screen pages if available.

7. CARPLAY & ANDROID AUTO

Connect your smartphone via USB to access Apple CarPlay or Android Auto, integrating your phone's essential features directly onto the receiver's display.

Figure 7.1: An in-car view demonstrating Apple CarPlay and Android Auto functionality on the aboutBit CA-63 receiver's screen, with voice command examples like "Hey, Siri. Call Sam." and "OK, Google. Play music."

7.1 Connecting to CarPlay/Android Auto

1. Ensure your smartphone has CarPlay (iOS) or Android Auto (Android) enabled.
2. Connect your phone to the receiver's USB port using a high-quality USB cable.
3. The receiver will automatically detect your phone and launch the respective interface.
4. Follow any on-screen prompts on your phone or the receiver to complete the setup.

7.2 Features

- **Navigation:** Use your phone's navigation apps (e.g., Apple Maps, Google Maps, Waze).
- **Music & Podcasts:** Access your favorite audio streaming services.
- **Calls & Messages:** Make calls and send/receive messages using voice commands or the touchscreen.
- **Voice Control:** Utilize Siri or Google Assistant for hands-free operation.

8. BLUETOOTH CONNECTIVITY

The built-in Bluetooth 5.3 technology allows for wireless audio streaming and hands-free calling.



Figure 8.1: An image depicting the seamless Bluetooth connection feature of the aboutBit CA-63 receiver, showing a driver making a hands-free call with a clear audio waveform graphic.

8.1 Pairing Your Device

1. Turn on Bluetooth on your smartphone.
2. On the CA-63, navigate to the Bluetooth menu.
3. Search for available devices on your phone and select "aboutBit CA-63" (or similar name).
4. Confirm the pairing code on both devices if prompted.

8.2 Bluetooth Functions

- **Hands-Free Calling:** Make and receive calls directly through the stereo.
- **Audio Streaming (A2DP):** Play music from your phone wirelessly.
- **Phonebook Access:** Sync your phone's contacts for easy dialing.

9. SCREEN MIRRORING

The wired screen mirroring function allows you to project your smartphone's display onto the CA-63's touchscreen.



Figure 9.1: Illustration of the wired screen mirroring function, displaying a racing video from a smartphone onto the aboutBit CA-63 receiver's 6.5-inch touchscreen.

9.1 How to Use Screen Mirroring

1. Connect your iOS or Android phone to the receiver's USB port using its original USB cable.
2. Select the "MirrorLink" or "Screen Mirroring" option on the receiver's menu.
3. Follow the on-screen instructions to enable mirroring on your phone.
4. Once connected, your phone's display will be mirrored on the CA-63's screen, allowing for video playback, navigation, and other app usage.

10. AUDIO SETTINGS

Customize your listening experience with the built-in Digital Sound Processor (DSP) and 10-band digital equalizer.



Figure 10.1: A visual representation of the aboutBit CA-63 receiver's audio settings, including a 10-band digital equalizer and various sound presets like Jazz, Classic, Rock, Pop, and Flat.

10.1 Equalizer (EQ) Adjustment

1. Navigate to the "Sound Setup" or "EQ" menu in the settings.
2. Choose from preset EQ modes (e.g., Jazz, Classic, Rock, Pop, Flat) or customize the 10-band equalizer manually.
3. Adjust individual frequency bands to fine-tune the audio output to your preference.

10.2 Audio Outputs

- The unit provides dual channel (L/R) RCA audio outputs for connecting aftermarket amplifiers and subwoofers.
- Video outputs are available for external headrest displays.

11. RADIO OPERATION

The CA-63 includes an AM/FM tuner with preset station capabilities.



Figure 11.1: A graphic demonstrating the AM/FM radio tuner functionality of the aboutBit CA-63 receiver, showing various radio frequencies and the digital multimedia play features like USB, Type-C charging, and Aux-in.

11.1 Tuning and Presets

1. Select the "Radio" icon from the main menu.
2. Use the seek/scan buttons to find radio stations automatically or manually tune to a frequency.
3. To save a station, press and hold one of the preset buttons (P1-P6) until you hear a confirmation beep. The unit supports 30 preset stations (AM and FM combined).

12. BACKUP CAMERA INPUT

Enhance safety with the dedicated input for a backup camera (sold separately).



Figure 12.1: A detailed diagram showing how to connect an optional HD backup camera to the aboutBit CA-63 receiver, including wiring instructions for the camera and reverse lamp.

12.1 Connecting a Backup Camera

1. Connect the video output of your backup camera to the "CAMIN" RCA input on the rear of the CA-63.
2. Connect the camera's power wire to the vehicle's reverse lamp power source.
3. Connect the reverse trigger wire (usually pink/black) from the CA-63's wiring harness to the vehicle's reverse light circuit.
4. When the vehicle is shifted into reverse, the display will automatically switch to the camera view.

13. TROUBLESHOOTING

Refer to this section for solutions to common issues. If problems persist, contact customer support.

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring; Blown fuse; No power supply.	Check power connections (constant 12V, accessory 12V, ground). Inspect fuses in the unit and vehicle. Ensure battery is charged.
No sound.	Speaker wires disconnected; Volume too low; Mute activated; Incorrect audio source.	Check speaker wiring. Increase volume. Deactivate mute. Select correct audio source (Radio, USB, Bluetooth, AUX).
Bluetooth not connecting.	Bluetooth not enabled on phone/unit; Device not in pairing mode; Interference.	Ensure Bluetooth is active on both devices. Put unit in pairing mode. Try restarting both devices. Clear previous pairings.
CarPlay/Android Auto not starting.	Faulty USB cable; Phone not compatible; Software issue.	Use a high-quality, original USB cable. Ensure phone OS is up-to-date. Restart phone and unit. Check phone settings for CarPlay/Android Auto permissions.
Unit randomly shuts off.	Loose power connection; Overheating; Electrical issue in vehicle.	Verify all power connections are secure, especially the constant 12V (memory) wire. Ensure adequate ventilation around the unit. Consult a professional if vehicle electrical issues are suspected.

14. SPECIFICATIONS

Detailed technical specifications for the aboutBit CA-63 Single Din CarPlay Stereo Receiver.

Feature	Specification
Product Dimensions	4.5 x 7.36 x 2.4 inches
Item Weight	2.01 pounds
Model Number	CA-63CP
Display	6.5 Inch IPS Touchscreen (1024 x 600 resolution)
Connectivity Technologies	Auxiliary, Bluetooth 5.3, USB, Type-C
Special Features	Wired CarPlay, Wired Android Auto, Screen Mirroring, Voice Control, DSP Sound Effects, 10-Band EQ, AM/FM Radio, HD Backup Camera Input, Steering Wheel Control, 4-Channel 300W Audio Output, 1080p Video Playback
Audio Output Mode	Stereo (RCA outputs for amplifier/subwoofer)
Video Encoding	H.264, H.265/HEVC
Power Supply	12V DC (Negative Ground)

15. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit. Avoid abrasive cleaners or solvents.
- **Software Updates:** Check the manufacturer's website periodically for any available firmware updates to ensure optimal performance and compatibility.
- **Cable Management:** Ensure all cables are securely connected and not pinched or damaged.

16. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official aboutBit website. Keep your proof of purchase for any warranty claims.

Manufacturer: aboutBit

Website: aboutBit Store on Amazon

