

BLAUPUNKT CALI 900

Blaupunkt CALI 900 Receiver and BPS-E653 Speaker System User Manual

Model: CALI 900 Receiver, BPS-E653 Speakers

Brand: BLAUPUNKT

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Blaupunkt CALI 900 9-inch Touchscreen Single DIN Receiver and the accompanying BPS-E653 6-inch 3-Way Car Speakers. Please read this manual thoroughly before use and retain it for future reference.



Image 1.1: Blaupunkt CALI 900 Receiver. This image shows the front view of the CALI 900 receiver with its 9-inch QLED touchscreen display, featuring a car image on the screen.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Due to the complexity of car audio systems, professional installation is highly recommended. Incorrect installation can lead to damage to the product, vehicle, or personal injury.
- **Power Source:** Connect the unit only to a 12V DC power supply with a negative ground.
- **Wiring:** Ensure all wiring is correctly connected according to the wiring diagram. Incorrect wiring can cause malfunctions or damage. Avoid short circuits.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating.
- **Driving Safety:** Do not operate the unit in a way that distracts you from driving. Always prioritize road safety.
- **Volume Levels:** Avoid excessively high volume levels that may impair your ability to hear traffic sounds or emergency vehicles.

3. PACKAGE CONTENTS

The Blaupunkt CALI 900 bundle includes the following components:

- Blaupunkt CALI 900 9" Touchscreen Single DIN Receiver
- 2x Blaupunkt BPS-E653 6" 3-Way Car Speakers
- 50 Feet of 16-gauge Speaker Wire
- Mounting Hardware and Wiring Harness (for receiver)
- Speaker Grilles and Mounting Screws (for speakers)

4. PRODUCT OVERVIEW

4.1 CALI 900 Receiver Features

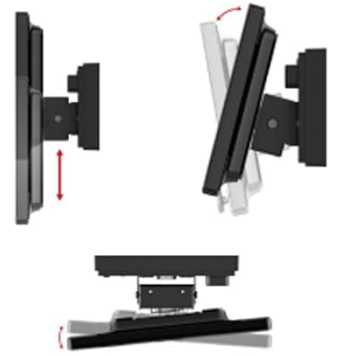
The CALI 900 is a versatile single DIN digital multimedia receiver designed for modern vehicle integration.

- **Display:** 9-inch QLED Touchscreen (1280x720 resolution) with capacitive touch panel.
- **Operating System:** Android 10.0 OS with A53 quad-core processor (2.0GHz) and 2+32G memory.
- **Connectivity:** Built-in WiFi (5G), Bluetooth (4.1 version), Wireless Apple CarPlay & Android Auto.
- **Navigation:** Built-in GPS.
- **Audio:** DSP audio processing, 32-band equalizer, RCA 4.1 Channel Output (FL/FR/RL/RR/SUB).
- **Inputs:** Two rear USB ports.
- **Additional:** Support for 720P and 1080P AHD camera, Seven Colors Illumination.



Image 4.1: Front view of the Blaupunkt CALI 900 Receiver. This image displays the sleek design of the receiver's front panel and large touchscreen.

FLOATING PANEL



android 

CALI 900



9" QLED Screen 1280x720 Capacitive Touch Panel
Up/Down/Tilt/Angle Screen Movements
Android 10.0 version OS A53 Quad-core Processor,
2.0GHz
2+32G
Built-in GPS
Wi-Fi (5G)
BT(4.1 version)
Support 720P and 1080P AHD camera.

With Wireless Car Play and Android Auto and Mirror
Link by Zlink5
RCA 4.1 Channel Output (FL/FR/RL/RR/SUB)
DSP
Two Rear USB
One Din Body
Seven Colors Illumination

Image 4.2: CALI 900 Floating Panel and Connectivity. This image illustrates the floating panel design, showing how the screen can be adjusted, and highlights compatibility with Apple CarPlay and Android Auto.

4.2 BPS-E653 Speaker Features

The BPS-E653 speakers are designed to deliver clear and dynamic audio performance.

- **Type:** 6-inch 3-Way Coaxial Speaker.
- **Woofers:** Polypropylene cone with rubber surround.
- **Tweeter:** PET balanced dome tweeter with neodymium magnet, ceramic w/PET diaphragm super tweeter.
- **Power Handling:** 40 Watt Max (20 Watt RMS) per speaker.
- **Design:** Steel basket, zero tweeter protrusion, includes grilles for flush fit.



Image 4.3: Blaupunkt BPS-E653 6-inch Car Speakers. This image shows a pair of the BPS-E653 speakers with their protective grilles.

5. SETUP AND INSTALLATION

5.1 General Installation Guidelines

- Disconnect the vehicle's negative battery terminal before starting any electrical work.
- Ensure all wiring is routed away from moving parts, heat sources, and sharp edges.
- Use appropriate tools and protective gear.
- Consult your vehicle's service manual for specific dashboard and panel removal instructions.

5.2 Receiver Installation (CALI 900)

The CALI 900 is a single DIN unit with a floating 9-inch display. Install the main chassis into your vehicle's single DIN opening. The display can then be adjusted for optimal viewing angle.

- Secure the single DIN chassis into the vehicle's dashboard using the provided mounting hardware.
- Connect the wiring harness to the receiver and then to the vehicle's corresponding wires (power, ground, accessory, speaker outputs, etc.).
- Connect any additional accessories such as GPS antenna, USB cables, or camera inputs.
- Attach the 9-inch display panel to the main chassis and adjust its position.

5.3 Speaker Installation (BPS-E653)

The BPS-E653 speakers are designed for standard 6-inch openings. Ensure the mounting location is clear and provides adequate depth.

- Remove existing speakers or prepare the mounting location.
- Connect the provided 16-gauge speaker wire to the speaker terminals, ensuring correct polarity (+ to + and - to -).
- Mount the speakers securely using the provided screws.
- Install the speaker grilles if desired.



Image 5.1: 16-Gauge Speaker Wire. This image shows the spool of 16-gauge speaker wire included for connecting your speakers.

5.4 Wiring Connections

Refer to the wiring diagram included with your receiver for specific connections. General connections include:

- **Yellow Wire:** Constant 12V (Battery)
- **Red Wire:** Switched 12V (Accessory)
- **Black Wire:** Ground
- **Blue Wire:** Remote Turn-On (for amplifier/antenna)
- **Speaker Wires:** Connect to the BPS-E653 speakers, ensuring correct polarity for each channel (Front Left, Front Right, Rear Left, Rear Right).

After all connections are made, reconnect the vehicle's negative battery terminal.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- **Power On:** Turn your vehicle's ignition to the ACC or ON position. The receiver should power on automatically. If not, press the power button on the unit.

- **Power Off:** Turn your vehicle's ignition to the OFF position. The receiver will power off.

6.2 Touchscreen Interface

The 9-inch QLED touchscreen provides intuitive control. Tap icons to select functions, swipe to navigate menus, and use pinch-to-zoom gestures where applicable.

6.3 Wireless Apple CarPlay & Android Auto

- Ensure your smartphone's Bluetooth and Wi-Fi are enabled.
- On the receiver, select the CarPlay or Android Auto icon.
- Follow the on-screen prompts to pair your phone via Bluetooth. Once paired, the system will establish a Wi-Fi connection for wireless CarPlay/Android Auto.
- For wired connection, connect your smartphone to one of the receiver's USB ports.

6.4 Bluetooth Pairing

- On the receiver, select the Bluetooth icon.
- Enable Bluetooth on your mobile device and search for available devices.
- Select "Blaupunkt CALI 900" from the list on your device.
- Confirm the pairing code if prompted.
- Once paired, you can make hands-free calls and stream audio.

6.5 AM/FM Radio

- Select the Radio icon from the main menu.
- Use the on-screen controls to scan for stations, manually tune, or select preset stations.

6.6 USB Playback

- Insert a USB drive into one of the rear USB ports.
- The receiver will automatically detect the USB device and display its contents.
- Navigate through folders and select audio or video files for playback.

6.7 GPS Navigation

The built-in GPS allows for navigation. Ensure the GPS antenna is properly installed and has a clear view of the sky. Access navigation through the dedicated icon on the main menu.

6.8 Audio Settings

Access the audio settings menu to adjust sound parameters:

- **Equalizer:** Use the 32-band equalizer to fine-tune frequency response.
- **DSP:** Digital Sound Processing offers various sound enhancements and sound stage adjustments.
- **Balance/Fader:** Adjust sound distribution between left/right and front/rear speakers.
- **Subwoofer Control:** Adjust subwoofer output level and crossover frequency if a subwoofer is connected to the RCA output.

7. MAINTENANCE

7.1 Cleaning

- **Screen:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Do not use abrasive cleaners or solvents.
- **Unit:** Wipe the main unit and speaker grilles with a dry, soft cloth. Avoid getting liquids inside the unit.

7.2 Software Updates

Periodically check the official Blaupunkt website for any available software or firmware updates for your CALI 900 receiver. Updates can improve performance, add features, or fix bugs. Follow the instructions provided with the update files carefully.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power to receiver	Blown fuse; incorrect wiring (power/ground); ignition off.	Check vehicle fuses and receiver fuse. Verify power and ground connections. Ensure ignition is on.
No sound from speakers	Speaker wires disconnected or shorted; volume too low; mute activated; incorrect audio source.	Check all speaker connections for proper polarity and shorts. Increase volume. Deactivate mute. Select correct audio source.
Bluetooth connection issues	Device not in pairing mode; receiver not discoverable; interference.	Ensure both devices are in pairing mode. Delete previous pairings and try again. Move closer to the receiver.
Touchscreen unresponsive	System freeze; temporary software glitch.	Perform a soft reset (refer to receiver manual for specific button combination or small reset hole). If issue persists, disconnect battery for 5 minutes.
CarPlay/Android Auto not connecting	Phone settings; cable issue (for wired); Wi-Fi/Bluetooth off.	Ensure phone is compatible and has the latest OS. Check phone settings for CarPlay/Android Auto permissions. Try a different USB cable. Verify Wi-Fi and Bluetooth are active.

9. SPECIFICATIONS

9.1 CALI 900 Receiver Specifications

Feature	Specification
Display	9-inch QLED Touchscreen (1280x720)
Operating System	Android 10.0
Processor	A53 Quad-core, 2.0GHz
Memory	2GB RAM + 32GB ROM
Connectivity	WiFi (5G), Bluetooth 4.1, Wireless Apple CarPlay & Android Auto
Navigation	Built-in GPS
Audio Processing	DSP, 32-band Equalizer
USB Ports	2x Rear USB

Feature	Specification
Dimensions	Single DIN chassis with floating panel
Item Weight	15 ounces (Receiver only)
UPC	840440916147

9.2 BPS-E653 Speaker Specifications

Feature	Specification
Type	6-inch 3-Way Coaxial Speaker
Power Handling	20W RMS / 40W Max (per speaker)
Impedance	4 Ohm
Frequency Response	65Hz - 20KHz
Sensitivity	84.5dB
Woofer Material	PP Cone with Rubber Surround
Tweeter Material	Neodymium Tweeter Magnet, PET Balanced Dome Tweeter, Ceramic w/PET Diaphragm Super Tweeter
Basket Material	Steel

E-SERIES SPEAKERS



BPS-E653

6" 3-Way Coaxial Speaker
Steel Basket
PP Cone With Rubber Surround
Neodymium Tweeter Magnet
PET Balanced Dome Tweeter
Ceramic w/PET Diaphragm Super tweeter

Impedance: 4 Ohm
20WRMS / 40WMax
Frequency Response: 65Hz - 20KHz
Sensitivity: 84.5dB
With Screw Kits and Speaker Wires
Color Box Packing

Image 9.1: BPS-E653 Speaker Diagram. This image provides a detailed view of the BPS-E653 speaker components and lists its key specifications.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

Blaupunkt products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Blaupunkt website. Keep your proof of purchase for warranty claims.

10.2 Customer Support

If you encounter any issues or have questions not covered in this manual, please contact Blaupunkt customer support. You can typically find contact information (phone, email, or support portal) on the official Blaupunkt website:

www.blaupunkt.com

When contacting support, please have your product model (CALI 900, BPS-E653) and proof of purchase ready.

