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**BLAUPUNKT BPA 1123 BT**

# Blaupunkt BPA 1123 BT Car Radio User Manual

Model: BPA 1123 BT

## 1. Introduction

Thank you for purchasing the Blaupunkt BPA 1123 BT Car Radio. This manual provides detailed instructions for the installation, operation, and maintenance of your new car stereo. Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage.

### Safety Information

- Always operate the vehicle safely. Do not operate the car radio in a way that distracts you from driving.
- Ensure proper wiring connections to prevent short circuits and damage to the vehicle's electrical system.
- Do not expose the unit to moisture or water.
- Do not attempt to repair the unit yourself. Refer all servicing to qualified personnel.
- Keep the volume at a level where you can still hear outside traffic sounds.

## 2. Package Contents

Please check that all items are present in the package:




*Image: The Blaupunkt BPA 1123 BT car radio unit displayed alongside its accessories, including wiring harnesses, an external microphone, an antenna adapter, and the user manual.*

- Blaupunkt BPA 1123 BT 1-DIN Car Radio Unit
- Connection Cable (ISO A, B)
- Antenna Adapter (DIN plug to ISO socket)
- External Hands-Free Microphone
- Installation Frame
- User Manual (this document)

# 3. Product Overview

## Front Panel Controls

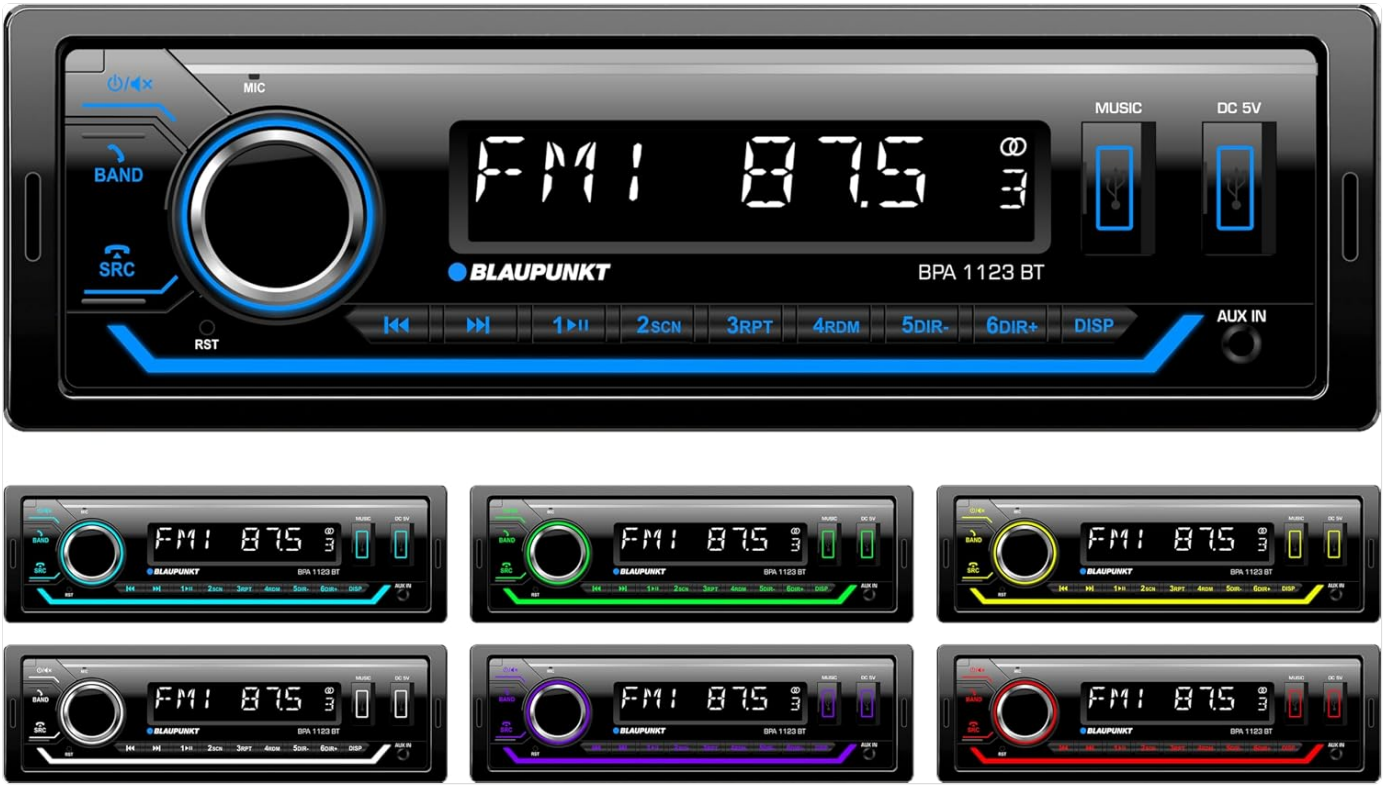



*Image: Detailed view of the Blaupunkt BPA 1123 BT car radio's front panel, showing the display, rotary knob, USB ports, AUX input, and various function buttons. The image also shows different illumination color options.*

The front panel features the main display, control buttons, and input ports for easy access.

- **Power/Mute Button** ( ): Press to turn on/off, short press to mute/unmute.
- **Rotary Knob**: Adjust volume, navigate menus. Press to confirm selection.
- **BAND Button**: Select radio band (FM1, FM2, FM3, AM1, AM2).
- **SRC (Source) Button**: Switch between audio sources (Radio, USB, AUX, Bluetooth).
- **RST (Reset) Button**: Press with a pointed object to reset the unit to factory settings.
- **◀◀ / ▶▶ Buttons**: Seek/track up/down.
- **▶|| Button**: Play/Pause.
- **USB Ports (2x)**: Connect USB storage devices for media playback or charging (DC 5V).
- **AUX IN**: 3.5mm stereo jack for external audio devices.
- **MIC**: Internal microphone for hands-free calls.
- **DISP (Display) Button**: Change display information or illumination color.
- **Number Buttons (1-6)**: Radio station presets, direct track selection.

## Rear Panel Connections



*Image: Rear view of the Blaupunkt BPA 1123 BT car radio, showing the ISO connector for power and speakers, RCA outputs for front, rear,*

*and subwoofer, and the antenna input.*

The rear panel provides connections for power, speakers, antenna, and external audio components.

- **ISO Connector**: Standard ISO connection for vehicle power (12V DC) and speaker outputs.
- **Antenna Input**: Connect your car's radio antenna.
- **RCA Pre-Outs**:
  - Front Left/Right (White/Red)
  - Rear Left/Right (Green/Green)
  - Subwoofer Output (White/Red)
- **External Microphone Input**: 3.5mm jack for the included external microphone.

## 4. Installation

Proper installation is crucial for optimal performance and safety. If you are unsure about any steps, consult a qualified car audio technician.

### Mounting the Unit



*Image: Side view of the Blaupunkt BPA 1123 BT car radio, illustrating the metal chassis with screw holes for secure mounting within a vehicle's dashboard.*

1. Install the metal mounting sleeve into your car's dashboard opening. Bend the tabs outwards to secure it.
2. Connect all necessary wiring harnesses to the rear of the car radio.
3. Slide the car radio into the mounting sleeve until it clicks into place.
4. Attach the front panel if it was removed.

### Wiring Connections

Use the provided ISO connection cables. Refer to your vehicle's wiring diagram for specific connections.

| Wire Color | Function | Description |
|---|---|---|

| | | |
|---|---|---|
| Yellow | Constant 12V (+) | Connect to vehicle's constant 12V power supply (battery). Provides power for memory retention. |
| Red | Switched 12V (+) | Connect to vehicle's accessory power supply (ignition switch). |
| Black | Ground (-) | Connect to vehicle's chassis ground. |
| Blue | Antenna/Amp Remote | Connect to power antenna or external amplifier remote turn-on lead. |
| Orange/White | Illumination | Connect to vehicle's dashboard illumination circuit (optional). |
| Speaker Wires | Speaker Outputs | Connect to vehicle's speakers (e.g., White/White-Black for Front Left, Grey/Grey-Black for Front Right, Green/Green-Black for Rear Left, Purple/Purple-Black for Rear Right). Ensure correct polarity. |

**Warning:**

- Do not connect speaker wires to chassis ground.
- Ensure all connections are secure and insulated to prevent short circuits.
- Incorrect wiring can damage the unit or vehicle's electrical system.

# 5. Operating Instructions

## 5.1 Basic Operation

### Power On/Off

Press the button to turn the unit ON. Press and hold the button to turn the unit OFF.

### Volume Control

Rotate the rotary knob clockwise to increase volume, counter-clockwise to decrease volume.

### Mute Function

Short press the button to mute the audio. Press again to unmute.

### Source Selection

Press the **SRC** button repeatedly to cycle through available audio sources: FM/AM Radio, USB, AUX, Bluetooth.

### Resetting the Unit

If the unit malfunctions, use a pointed object (like a pen tip) to press the **RST** button. This will restore factory settings and clear all stored memory.

## 5.2 Radio Operation (FM/AM)

### Selecting Band

In Radio mode, press the **BAND** button to select between FM1, FM2, FM3, AM1, and AM2 bands.

### Automatic Tuning

Press and hold the ◀◀ or ▶▶ buttons for 2 seconds to automatically seek the next strong station.

### Manual Tuning

Short press the ◀◀ or ▶▶ buttons to tune the frequency step by step.

### Storing and Recalling Presets

The unit can store 6 stations for each band (FM1, FM2, FM3, AM1, AM2), totaling 30 preset stations.

1. Tune to the desired station.
2. Press and hold one of the number buttons (**1-6**) for 2 seconds. The station will be stored to that preset number.
3. To recall a stored station, simply short press the corresponding number button (**1-6**).

### RDS (Radio Data System) Functions

The unit supports RDS, which displays station information like program type (PTY), radio text (RT), and traffic announcements (TA).

- **AF (Alternative Frequencies)**: Automatically switches to a stronger frequency for the same station.
- **TA (Traffic Announcement)**: Interrupts current audio to broadcast traffic information.
- **PTY (Program Type)**: Allows searching for stations by program type (e.g., News, Rock, Pop).

These functions can usually be accessed and configured through the menu system (press the rotary knob to enter menu, then rotate to navigate).

## 5.3 Bluetooth Operation

The Blaupunkt BPA 1123 BT allows for wireless audio streaming and hands-free calling.

### Pairing a Bluetooth Device

1. Turn on the unit and select Bluetooth source using the **SRC** button. The display will show "BT" or "PAIRING".
2. On your mobile device, enable Bluetooth and search for available devices.
3. Select "BLAUPUNKT" from the list of devices.
4. If prompted for a password, enter "0000".
5. Once paired, the display will show "CONNECTED".

### Making/Receiving Calls

- **Answer Call**: When a call comes in, press the ▶|| button to answer.
- **End Call**: During a call, press the ▶|| button to end the call.
- **Reject Call**: When a call comes in, press and hold the ▶|| button to reject.
- **Dialing**: Dial numbers from your phone. The audio will automatically transfer to the car radio.

### Bluetooth Audio Streaming (A2DP)

After pairing, you can stream music from your Bluetooth device to the car radio.

- Use the ◀◀ / ▶▶ buttons to skip tracks.
- Use the ▶|| button to play/pause.
- Control volume using the rotary knob on the car radio or your mobile device.

## 5.4 USB and AUX Operation

### USB Playback

1. Insert a USB flash drive into one of the USB ports.
2. The unit will automatically switch to USB source and begin playing compatible audio files (MP3).
3. Use the ◀◀ / ▶▶ buttons to skip tracks.

4. Use the ▶|| button to play/pause.
5. The USB ports also provide 5V DC power for charging mobile devices.

### AUX Input

1. Connect an external audio device (e.g., smartphone, MP3 player) to the **AUX IN** jack on the front panel using a 3.5mm stereo audio cable.
2. Press the **SRC** button to select the AUX source.
3. Control playback (play/pause, track skip) directly from your external device.
4. Adjust volume using the car radio's rotary knob.

## 5.5 Audio Settings

Press the rotary knob to enter the audio menu. Rotate the knob to navigate through settings, and press to select.

- **BASS** / **TREBLE**: Adjust bass and treble levels.
- **BALANCE**: Adjust audio balance between left and right speakers.
- **FADER**: Adjust audio balance between front and rear speakers.
- **EQ (Equalizer)**: Select from preset equalizer curves (e.g., POP, ROCK, CLASSIC, FLAT) or a custom setting.
- **LOUD**: Enable/disable loudness compensation for improved bass and treble at low volumes.
- **SUB-W (Subwoofer)**: Enable/disable subwoofer output and adjust its level.

## 5.6 Display and Illumination Settings

Press the **DISP** button to cycle through display information (e.g., clock, frequency). Press and hold the **DISP** button to enter illumination color settings. Rotate the rotary knob to select from 7 available colors.

# 6. Troubleshooting

If you experience problems with your car radio, refer to the following table for common issues and solutions.

| Problem | Possible Cause | Solution |
|---|---|---|
| No power | Blown fuse; Incorrect wiring; Loose connection. | Check vehicle's fuse box and the unit's fuse. Verify power and ground connections. Ensure red and yellow wires are correctly connected. |
| No sound | Volume too low; Mute function active; Incorrect speaker wiring; Amplifier not turning on (if external). | Increase volume. Press to unmute. Check speaker connections and polarity. Check remote wire for external amplifier. |
| Poor radio reception | Antenna not connected; Damaged antenna; Weak signal area. | Ensure antenna is securely connected. Check antenna for damage. Try tuning to another station or move to an area with better signal. |
| USB not playing | Incompatible file format; USB drive not formatted correctly; Damaged USB drive. | Ensure files are MP3 format. Format USB drive to FAT32. Try a different USB drive. |
| Bluetooth not connecting | Bluetooth not enabled on device; Device too far; Unit already connected to another device. | Ensure Bluetooth is on and discoverable on your device. Keep device within range. Disconnect from other Bluetooth devices. Try resetting the unit. |

| | | |
|---|---|---|
| Unit freezes or behaves erratically | Software glitch; Electrical interference. | Press the **RST** button to reset the unit. Check vehicle's electrical system for potential interference. |

## 7. Specifications

| Feature | Specification |
|---|---|
| Model | BPA 1123 BT |
| Power Supply | 12V DC (10.8V - 14.4V) |
| Max Power Output | 4 x 50 Watts (200 Watts total) |
| Speaker Impedance | 4-8 Ohms |
| Fuse | 10A |
| Dimensions (W x H x D) | 18.7 cm x 5.8 cm x 11.3 cm (approx. 1-DIN standard) |
| FM Tuning Range | 87.5 - 108.0 MHz |
| AM Tuning Range | 522 - 1620 kHz |
| Bluetooth Version | (Not specified, assumed standard for audio streaming/hands-free) |
| USB Compatibility | USB 2.0, FAT32 format, MP3 audio files |
| Connectivity | Bluetooth, 2x USB, AUX-In, Sub-Out, 4-channel Pre-Out |
| Special Features | FM-RDS, Hands-free with internal/external mic, 7-color illumination, Permanent memory |

## 8. Maintenance

### Cleaning the Unit

- Use a soft, dry cloth to wipe the front panel.
- For stubborn dirt, dampen the cloth lightly with water or a mild, non-abrasive cleaner.
- Do not use harsh chemicals, solvents, or abrasive cleaners, as they may damage the finish.

### General Care

- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- Ensure proper ventilation around the unit to prevent overheating.

# 9. Warranty and Support

## Warranty Information

This product is covered by a statutory warranty. Please refer to your purchase documentation or local consumer laws for specific terms and conditions regarding warranty coverage. Keep your proof of purchase for any warranty claims.

## Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact your retailer or the official Blaupunkt customer support in your region. Visit the official Blaupunkt website for contact information and further resources.

*Note: Product specifications and design are subject to change without notice for improvement.*


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**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.

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