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> [Blaupunkt 5104020001001 External Handsfree Microphone User Manual](#)

BLAUPUNKT 5104020001001

Blaupunkt 5104020001001 External Handsfree Microphone User Manual

For Car Radios and Hands-Free Systems

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Blaupunkt 5104020001001 External Handsfree Microphone. Please read this manual thoroughly before using the product to ensure proper function and longevity.

The Blaupunkt 5104020001001 is an external handsfree microphone designed for use with Blaupunkt car radios and other hands-free systems equipped with a 2.5 mm jack connection.

2. PRODUCT FEATURES

- Compact electronic condenser microphone design.
- Small body dimensions: 24 x 10 x 19 mm (Length x Width x Height).
- Equipped with an adhesive pad on the bottom for secure mounting.
- Connectivity: 2.5mm mono jack plug.
- Technical specifications: +2 V DC max. 0.5mA, 2.2k Ω impedance.
- Sensitivity: -40 +/- 3dB (0dB=1V/Pa, 1KHz).
- Signal-to-Noise Ratio (S/N Ratio): 60dB.
- Cable length: 2.50 meters.

3. PACKAGE CONTENTS

The package includes:

- 1x Blaupunkt 5104020001001 External Handsfree Microphone

4. SETUP AND INSTALLATION

Follow these steps to properly set up and install your external handsfree microphone:

1. **Identify the Microphone Port:** Locate the 2.5 mm mono jack input on your Blaupunkt car radio or compatible hands-free system. Refer to your car radio's manual if you are unsure of the port location.
2. **Connect the Microphone:** Insert the 2.5mm jack plug of the external microphone firmly into the designated microphone input port. Ensure a secure connection.
3. **Choose a Mounting Location:** Select a suitable location for the microphone within your vehicle. Ideal locations are typically near the driver's or passenger's head, such as on the dashboard, sun visor, or A-pillar. The location should be clear of obstructions and away from air vents to minimize wind noise.
4. **Secure the Microphone:** The microphone features an adhesive pad on its bottom. Clean the chosen mounting surface thoroughly to ensure good adhesion. Remove the protective backing from the adhesive pad and firmly press the microphone onto the surface for several seconds.
5. **Route the Cable:** Carefully route the 2.50-meter cable to avoid interference with vehicle controls or passenger movement. Use cable clips (not included) if necessary to secure the cable neatly.
6. **Test the Microphone:** After installation, perform a test call to ensure the microphone is functioning correctly and that your voice is clear to the recipient. Adjust the microphone's position if necessary to optimize audio quality.



Image 1: The Blaupunkt 5104020001001 External Handsfree Microphone, showing its compact design and 2.5mm jack connector. This microphone is designed for clear voice capture in a vehicle environment.

5. OPERATING INSTRUCTIONS

Once installed, the Blaupunkt 5104020001001 microphone operates in conjunction with your car radio's hands-free system. Its operation is typically automatic when a call is initiated or received.

- **Making Calls:** When making a call through your car radio's hands-free function, the microphone will automatically activate to capture your voice.
- **Receiving Calls:** Upon receiving a call, the hands-free system will engage, and the microphone will be ready for use.
- **Voice Clarity:** Speak clearly and directly towards the microphone's general direction. Avoid shouting or speaking too softly.
- **Volume Control:** Adjust the call volume using your car radio's volume controls. The microphone's sensitivity is fixed, but the output volume can be managed via the connected device.
- **Environmental Noise:** While the microphone is designed for clarity, excessive background noise (e.g., open

windows, loud music) can affect call quality. Minimize such distractions for optimal performance.

6. MAINTENANCE

The Blaupunkt 5104020001001 microphone requires minimal maintenance to ensure continued performance.

- **Cleaning:** Gently wipe the microphone's exterior with a soft, dry cloth. Do not use liquid cleaners, solvents, or abrasive materials, as these can damage the device.
- **Cable Inspection:** Periodically check the cable for any signs of wear, kinks, or damage. Ensure the 2.5mm jack connection remains secure.
- **Environmental Conditions:** Avoid exposing the microphone to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

7. TROUBLESHOOTING

If you encounter issues with your microphone, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound or very low sound from microphone.	<ul style="list-style-type: none">• Microphone not properly connected.• Incorrect input selected on car radio.• Microphone volume/gain setting too low on car radio.• Faulty microphone or cable.	<ul style="list-style-type: none">• Ensure the 2.5mm jack is fully inserted into the correct port.• Check your car radio's settings to ensure the external microphone input is active.• Increase the microphone gain or volume setting on your car radio.• Test with another compatible microphone if available, or contact support if the issue persists.
Poor sound quality, static, or echo.	<ul style="list-style-type: none">• Microphone placed too close to speakers or air vents.• Loose connection.• Environmental background noise.• Interference from other electronic devices.	<ul style="list-style-type: none">• Relocate the microphone to a more optimal position, away from speakers and air vents.• Check and secure all connections.• Minimize background noise in the vehicle (e.g., close windows, lower fan speed).• Ensure no other devices are causing electromagnetic interference.
Microphone adhesive not holding.	<ul style="list-style-type: none">• Surface not clean or smooth.• Extreme temperature fluctuations.	<ul style="list-style-type: none">• Clean the mounting surface thoroughly with an alcohol wipe and allow it to dry before re-applying.• Consider using a stronger automotive-grade adhesive tape if the original pad fails.

8. SPECIFICATIONS

Feature	Detail
Model Name	5104020001001

Feature	Detail
Brand	BLAUPUNKT
Microphone Form Factor	Lavalier (Compact Electronic Condenser)
Connectivity Technology	Auxiliary
Connector Type	2.5 mm Jack (Mono)
Compatible Devices	All radios with 2.5 mm jack
Cable Length	2.50 m
Dimensions (L x W x H)	24 x 10 x 19 mm (0.94 x 0.39 x 0.75 inches)
Weight	20 Grams
Power Source	Corded Electric (+2 V DC max. 0.5mA)
Impedance	2.2kΩ
Sensitivity	-40 +/- 3dB (0dB=1V/Pa, 1KHz)
Signal-to-Noise Ratio (S/N)	60dB
Enclosure Material	Plastic
Color	Black

9. WARRANTY AND SUPPORT

Specific warranty details for the Blaupunkt 5104020001001 External Handsfree Microphone are typically provided at the point of purchase or within separate documentation included with the product. Please refer to your purchase receipt or the manufacturer's official website for the most accurate and up-to-date warranty information.

For technical support or further assistance, please contact Blaupunkt customer service through their official website or the contact information provided with your product.