

## BLAUPUNKT GTX691

# BLAUPUNKT GTX691 Car Speaker Instruction Manual

Model: GTX691 | Brand: BLAUPUNKT

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your BLAUPUNKT GTX691 6" x 9" 4-Way Coaxial Car Speakers. The GTX691 speaker pair is engineered to deliver clear and powerful audio performance in your vehicle, featuring a durable polypropylene cone, rubber edge, robust ferrite magnet structure, 1" aluminum voice coil, and a Mylar dome tweeter. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your speakers.

## PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package.

- (2) BLAUPUNKT GTX691 6" x 9" 4-Way Coaxial Car Speakers
- (2) Speaker Grilles (typically included for protection)
- *Note: Mounting hardware and speaker wire are typically supplied by the installer or purchased separately.*



Image: BLAUPUNKT GTX691 Car Speaker with protective grille installed.

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## Safety Information

Observe the following safety precautions during installation and operation:

- Always disconnect the vehicle's battery before beginning any electrical installation to prevent short circuits and electrical shock.
  - Ensure proper wiring and connections. Incorrect wiring can damage the speakers, amplifier, or vehicle's electrical system.
  - Consult a professional car audio installer if you are unsure about any part of the installation process.
  - Avoid installing speakers in locations where they may be exposed to water or excessive moisture. The speakers are not waterproof.
  - Do not operate the speakers at excessively high volumes for prolonged periods, as this can cause hearing damage and speaker damage.
  - Ensure speakers are securely mounted to prevent them from becoming loose during vehicle movement, which could cause injury.
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## SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. Refer to your vehicle's service manual for specific panel removal and wiring diagrams.

### Tools and Materials (Not Included)

- Wire strippers/crimpers
- Screwdriver set
- Drill (if new mounting holes are required)
- Speaker wire (16-18 gauge recommended)
- Electrical tape or heat shrink tubing
- Mounting screws and clips (if not using existing hardware)

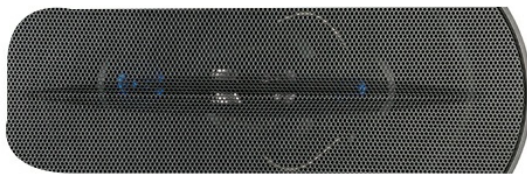
### Installation Steps

1. **Disconnect Battery:** Before starting, disconnect the negative terminal of your vehicle's battery.
2. **Access Mounting Location:** Carefully remove the vehicle's interior panels to access the speaker mounting locations.
3. **Remove Old Speakers:** Disconnect the wiring from the existing speakers and remove them from their mounting points.
4. **Check Fitment:** Test fit the BLAUPUNKT GTX691 speakers in the opening. The speaker dimensions are approximately 15.35"L x 10.63"W x 4.61"H. Ensure there is sufficient mounting depth and clearance for the magnet structure. *Note: Some vehicles may require adapter plates or modifications for proper fitment.*
5. **Wiring:** Connect the new speaker wires to the terminals on the BLAUPUNKT GTX691 speakers. Ensure correct polarity (positive to positive, negative to negative). The speakers have an impedance of 4 Ohms.
6. **Mount Speakers:** Securely mount the speakers using appropriate screws and clips. Ensure they are firmly seated and do not rattle.
7. **Connect to Vehicle Wiring:** Connect the speaker wires to the vehicle's existing speaker wiring or directly to your amplifier/head unit, maintaining correct polarity.
8. **Reassemble Panels:** Carefully reassemble the vehicle's interior panels.
9. **Reconnect Battery:** Reconnect the negative terminal of the vehicle's battery.



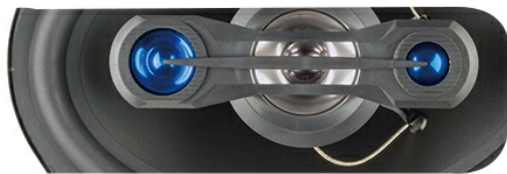
Image: BLAUPUNKT GTX691 Car Speaker showing the cone and tweeter assembly without the grille.

## Key Speaker Components



### MYLAR DOME TWEETER

The Blaupunkt GTX691 Speaker doesn't just look great in your vehicle. It also has the ability to produce a wider variety of sounds and sound modifications thanks to its mylar dome tweeter. Mylar does not rip or tear easily due to its durable, plastic poly-material construction. This allows for more abnormal frequency changes and a greater ability to project your audio clearly.



### POLYPROPYLENE CONE

The GTX691's surrounding cone is built with a polyurethane material known as "polymer". This material allows for more sound flexibility and gives a clearer audio experience, even at louder volumes. The material is also well known for lasting 10+ years, making these speakers the best in reliability.

Image: Close-up view highlighting the Mylar Dome Tweeter and Polypropylene Cone.

The BLAUPUNKT GTX691 features a **Mylar Dome Tweeter** designed for clear high-frequency reproduction. Mylar is a durable material that resists tearing and offers consistent sound quality across various frequency changes. The main speaker cone is constructed from **Polypropylene** with a rubber edge, providing flexibility and durability for enhanced audio performance, especially at higher volumes.



### ALUMINUM VOICE COIL

The aluminum voice coil technology allows Blaupunkt speakers to be capable of high-quality audio when high-temperature fatigue sets in. The aluminum coil works to increase performance and efficiency when playing at higher, more heavy duty sounds and volumes, as well as when in high-pressure, high-temperature environments.



Image: Detailed view of the speaker's internal components, focusing on the Aluminum Voice Coil.

An **Aluminum Voice Coil** is integrated into the speaker design to enhance performance and efficiency, particularly under high-temperature conditions and during demanding audio playback. This construction helps maintain sound

quality and speaker longevity.

## OPERATING INSTRUCTIONS

Once installed, the BLAUPUNKT GTX691 speakers operate as part of your vehicle's audio system.

- 1. Power On:** Turn on your car's audio head unit.
- 2. Initial Volume:** Start with the volume at a low level and gradually increase it to a comfortable listening level.
- 3. Audio Settings:** Adjust the bass, treble, balance, and fader settings on your head unit to optimize sound quality for your vehicle's acoustics and personal preference.
- 4. Break-in Period:** New speakers often benefit from a "break-in" period. During the first few hours of use, operate the speakers at moderate volumes to allow the cone and suspension to loosen and achieve optimal performance.
- 5. Avoid Overdriving:** Do not turn the volume up to a point where the sound becomes distorted or harsh, as this can damage the speakers.

## MAINTENANCE

The BLAUPUNKT GTX691 speakers require minimal maintenance to ensure long-lasting performance.

- Cleaning:** Gently wipe the speaker grilles and surrounds with a soft, dry cloth to remove dust. Avoid using harsh chemicals or abrasive cleaners.
- Avoid Moisture:** Keep the speakers dry. If they become wet, allow them to air dry completely before use.
- Temperature:** Avoid exposing the speakers to extreme temperatures for extended periods, as this can affect material integrity.
- Inspection:** Periodically check mounting screws for tightness and wiring connections for security.

## TROUBLESHOOTING

If you experience issues with your BLAUPUNKT GTX691 speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speakers	<ul style="list-style-type: none"><li>◦ Loose or incorrect wiring connection</li><li>◦ Head unit or amplifier is off or muted</li><li>◦ Blown fuse in head unit or amplifier</li><li>◦ Speaker damaged</li></ul>	<ul style="list-style-type: none"><li>◦ Check all wiring connections for security and correct polarity.</li><li>◦ Ensure head unit and amplifier are powered on and not muted.</li><li>◦ Inspect and replace any blown fuses.</li><li>◦ If other solutions fail, the speaker may be damaged and require replacement.</li></ul>

Problem	Possible Cause	Solution
Distorted or unclear sound	<ul style="list-style-type: none"><li>◦ Volume too high, overdriving speakers</li><li>◦ Incorrect audio settings (bass/treble)</li><li>◦ Loose mounting or rattling panels</li><li>◦ Damaged speaker cone or voice coil</li></ul>	<ul style="list-style-type: none"><li>◦ Reduce volume to a non-distorted level.</li><li>◦ Adjust audio settings on your head unit.</li><li>◦ Check speaker mounting and vehicle panels for rattles; secure as needed.</li><li>◦ Inspect speaker for visible damage.</li></ul>
One speaker not working	<ul style="list-style-type: none"><li>◦ Loose or incorrect wiring for that specific speaker</li><li>◦ Fader setting on head unit</li><li>◦ Speaker damaged</li></ul>	<ul style="list-style-type: none"><li>◦ Check wiring connections for the non-working speaker.</li><li>◦ Adjust the fader setting on your head unit to ensure sound is sent to all speakers.</li><li>◦ If other solutions fail, the individual speaker may be damaged.</li></ul>

## SPECIFICATIONS

Detailed technical specifications for the BLAUPUNKT GTX691 Car Speakers:

Model Name	BLAUPUNKT GTX691 Car Speaker 6" x 9" 4-Way Coaxial Speaker Pair 700Watts
Speaker Type	Coaxial, 4-Way
Speaker Size	6 x 9 Inches
Maximum Output Power	700 Watts
Impedance	4 Ohms
Sensitivity	90 dB
Cone Material	Polypropylene (PP) with Rubber Edge
Tweeter Type	Mylar Dome Tweeter
Voice Coil	1" Aluminum Voice Coil
Magnet Structure	Ferrite Magnet
Basket Material	High Quality Steel
Product Dimensions (LxWxH)	15.35 x 10.63 x 4.61 inches
Item Weight	7.2 Pounds
Connectivity Technology	Wired
Is Waterproof	No
UPC	815592026907

## WARRANTY AND SUPPORT

The BLAUPUNKT GTX691 Car Speakers come with a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official BLAUPUNKT website.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact BLAUPUNKT customer service through their official website or the contact information provided with your purchase.

**Online Support:** [www.blaupunkt.com](http://www.blaupunkt.com)

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