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BLAUPUNKT GTHS-80PRO

BLAUPUNKT GTHS-80PRO 8-inch Powered Subwoofer Enclosure User Manual

Model: GTHS-80PRO

1. INTRODUCTION

The BLAUPUNKT GTHS-80PRO is an 8-inch amplified subwoofer designed to enhance the low-frequency bass output of your vehicle's audio system. Its compact and flat design allows for versatile installation, particularly under seats, without occupying significant space. This unit features a built-in amplifier, simplifying the installation process and delivering powerful, precise bass tones.

Key Features:

- **Compact & Powerful:** 8-inch amplified subwoofer for under-seat installation, delivering deep bass tones.
- **Versatile Connectivity:** Features RCA connectivity for seamless integration with existing car audio systems.
- **Customizable Sound:** Adjustable settings including 0-180° phase control, 0-12dB bass boost, and a frequency response range of 20Hz to 250Hz.
- **Durable Construction:** Built with an aluminum alloy enclosure for long-lasting performance.

2. WHAT'S IN THE BOX

Upon unpacking, please ensure all items listed below are present and in good condition:

- BLAUPUNKT GTHS-80PRO 8-inch Amplified PRO Powered Subwoofer
- Wiring Harness
- Remote Bass Level Control
- Mounting Hardware
- Instruction Manual



Image: Front view of the BLAUPUNKT GTHS-80PRO 8-inch Powered Subwoofer, highlighting its compact design and protective grille.

Dimensions:

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SUPER FLAT ACTIVE SUBWOOFER

GTHS-80PRO



Length
13.78" (350mm)

Width
8.9" (226mm)

Height
3.15" (80mm)

  **Subwoofer Frequency**  **Max. Output Power: 320**  **0-12dB Bass Boost**

Image: Diagram illustrating the length (13.78 inches / 350mm), width (8.9 inches / 226mm), and height (3.15 inches / 80mm) of the BLAUPUNKT GTHS-80PRO subwoofer.

Control Panel:

The rear panel houses all necessary connections and adjustment controls.



Image: Close-up view of the BLAUPUNKT GTHS-80PRO subwoofer's rear control panel, showing the fuse, power input, RCA inputs, Gain, Bass Boost, Crossover, and Phase controls.

- **FUSE:** Protects the unit from power surges.
- **PWR/PRO:** Power and Protection indicators.
- **INPUT (L/R):** RCA audio inputs for connecting to your head unit.
- **GAIN:** Adjusts the input sensitivity to match the output of your head unit.
- **BASS BOOST:** Increases the bass level at a specific frequency (0-12dB).
- **CROSSOVER:** Adjusts the low-pass filter frequency (50Hz-250Hz).
- **PHASE:** Switches the phase of the subwoofer output (0° or 180°).
- **REM:** Remote turn-on input.

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is recommended that installation be performed by a qualified professional.

Placement:

- The compact design of the GTHS-80PRO makes it ideal for under-seat installation.
- Ensure adequate ventilation around the unit to prevent overheating.
- Avoid placing the unit where it may be exposed to direct sunlight, excessive heat, or moisture.

Wiring Connections:

1. **Power Connection:** Connect the main power wire from the vehicle's battery (with an inline fuse) to the +12V terminal on the subwoofer's wiring harness.
2. **Ground Connection:** Connect the ground wire to a clean, unpainted metal surface on the vehicle chassis. Ensure a solid connection.
3. **Remote Turn-On:** Connect the remote turn-on wire from your head unit to the REM terminal on the subwoofer's wiring harness. This will turn the subwoofer on/off with your head unit.
4. **Audio Input:** Connect the RCA cables from your head unit's subwoofer or full-range outputs to the L/R INPUT terminals on the subwoofer.

Important: Disconnect the vehicle's battery negative terminal before beginning any wiring to prevent electrical shorts.

5. OPERATING INSTRUCTIONS

Once installed, adjust the subwoofer settings to achieve your desired bass response.

Initial Setup:

1. Turn the GAIN control to its minimum (MIN) position.
2. Set the BASS BOOST to 0dB.
3. Set the Crossover to approximately 80Hz-100Hz as a starting point.
4. Set the PHASE to 0°.

Adjusting Sound:

- **GAIN:** Play a familiar piece of music. Slowly increase the GAIN control until the bass blends well with the rest of your audio system without distortion.
- **CROSSOVER:** Adjust the Crossover frequency to control which low frequencies the subwoofer reproduces. A lower setting focuses on deeper bass, while a higher setting allows more mid-bass.
- **BASS BOOST:** Use the BASS BOOST control to add emphasis to specific bass frequencies if desired. Use sparingly to avoid distortion.
- **PHASE:** Experiment with the 0° and 180° phase settings. Choose the setting that provides the most impactful and coherent bass response with your main speakers.
- **Remote Bass Level Control:** Use the included remote to conveniently adjust the subwoofer's output level from your driving position.

6. SPECIFICATIONS

Technical specifications for the BLAUPUNKT GTHS-80PRO subwoofer:

SPECIFICATIONS

Output power	320 Watts
Frequency	20 ~ 250Hz
S/N(A)	91 dB
Phase	0 – 180°
Bass Boost	0 – 12dB
Voltage	14.4V(10V~16V)
Fuse	15A
Impedance	2 Ohms

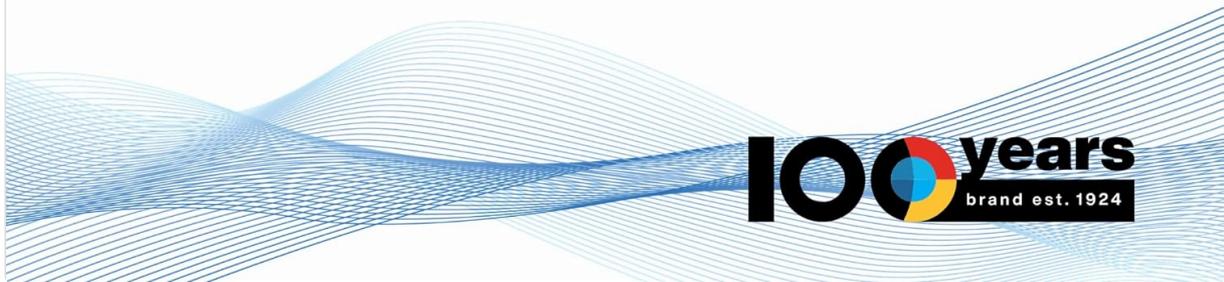


Image: Official specifications sheet for the BLAUPUNKT GTHS-80PRO subwoofer, detailing output power, frequency response, S/N ratio, phase, bass boost, voltage, fuse, and impedance.

Feature	Specification
Model Name	GTHS-80PRO
Speaker Type	Subwoofer
Subwoofer Diameter	8 Inches
Speaker Maximum Output Power	320 Watts
Frequency Response	20 Hz - 250 Hz
Impedance	2 Ohms
Voltage	14.4V (10V~16V)
Phase Control	0° - 180°
Bass Boost	0 - 12dB
Fuse	15A
Signal-to-Noise Ratio	> 91 dB

Product Dimensions (L x W x H)	13.78" x 8.90" x 3.15" (350mm x 226mm x 80mm)
Item Weight	10 Pounds
Material	Aluminum alloy
Connectivity Technology	RCA

7. TROUBLESHOOTING

If you experience issues with your GTHS-80PRO subwoofer, refer to the following common problems and solutions:

- **No Power:**
 - Check the power and ground connections for secure contact.
 - Verify the inline fuse on the power wire and the fuse on the subwoofer itself. Replace if blown.
 - Ensure the remote turn-on wire is properly connected and receiving a 12V signal from the head unit.
- **No Sound:**
 - Confirm RCA audio cables are securely connected at both the subwoofer and the head unit.
 - Check the GAIN control; it may be set too low.
 - Ensure the head unit's subwoofer output is enabled and volume is up.
 - Test with a different audio source or RCA cables if possible.
- **Distorted Sound:**
 - Reduce the GAIN control.
 - Lower the BASS BOOST setting.
 - Check for proper ground connection; a poor ground can cause noise.
 - Ensure the subwoofer is not overdriven by the head unit's volume.
- **Subwoofer Overheating:**
 - Ensure adequate ventilation around the subwoofer. Do not block cooling fins.
 - Reduce the GAIN setting.
 - Check the impedance of the connected speakers (if applicable) to ensure it matches the subwoofer's requirements.

8. MAINTENANCE

To ensure the longevity and optimal performance of your BLAUPUNKT GTHS-80PRO subwoofer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the exterior of the subwoofer. Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the finish.
- **Ventilation:** Regularly check that the cooling fins and surrounding areas are free from dust, debris, or obstructions. Proper airflow is essential to prevent overheating.
- **Connections:** Periodically inspect all wiring connections (power, ground, remote, RCA) to ensure they remain secure and free from corrosion. Loose connections can lead to performance issues or damage.

- **Environment:** Avoid exposing the subwoofer to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

9. WARRANTY AND SUPPORT

The BLAUPUNKT GTHS-80PRO subwoofer comes with a **Limited Warranty**. Please refer to the warranty card included with your product for specific terms, conditions, and duration of coverage.

Customer Support:

For technical assistance, warranty claims, or service inquiries, please contact BLAUPUNKT customer support through their official website or the contact information provided in your warranty documentation.

When contacting support, please have your product model number (GTHS-80PRO) and proof of purchase readily available.