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## BLAUPUNKT EP1200X

# Blaupunkt EP1200X Digital Bass Enhancer Bass Note Restorer User Manual

Model: EP1200X

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Blaupunkt EP1200X Digital Bass Enhancer Bass Note Restorer. The EP1200X is designed to enhance the low-frequency output of your car audio system, restoring and improving bass notes for a richer listening experience. Please read this manual thoroughly before use to ensure proper function and safety.

## 2. SAFETY INFORMATION

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- Always disconnect the vehicle's battery negative terminal before beginning any installation.
- Ensure all wiring is properly routed and secured to prevent damage or short circuits.
- Use appropriate gauge wiring for power and ground connections.
- Install the unit in a dry location, away from direct sunlight, heat sources, and moisture.
- Do not attempt to open or modify the unit. Refer all servicing to qualified personnel.
- Ensure the vehicle's electrical system can support the additional power draw.
- A 1 Amp fuse is recommended for the power supply.

## 3. PACKAGE CONTENTS

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The Blaupunkt EP1200X package includes:

- Blaupunkt EP1200X Digital Bass Enhancer
- Dash Remote Control with cable



Image 3.1: Blaupunkt EP1200X unit and included dash remote control.

## 4. PRODUCT OVERVIEW

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The Blaupunkt EP1200X is a digital bass enhancer designed to restore and enhance low-frequency information in your audio system. It features various controls for precise tuning of bass output.

### 4.1. Unit Controls and Indicators



Image 4.1.1: Top view of the EP1200X unit, highlighting control knobs and indicators.

- **WIDE Knob:** Adjusts the Q factor of the bass enhancement circuit, controlling the width of the bass frequency band affected.
- **SWEEP Knob:** Selects the center frequency for the bass enhancement, ranging from 35Hz to 80Hz.
- **BASS Indicator:** Illuminates to indicate bass processing status.
- **CONTROL Indicator:** Illuminates to indicate control status.
- **POWER LED:** Indicates when the unit is powered on.

## 4.2. Rear Panel Connections

## DIGITAL **BASS ENHANCER** EP1200X



**2.5V** Input Sensitivity

**13.5V** Maximum Output Level

**10/80Hz** Subwoofer Frequency

Image 4.2.1: Rear view of the EP1200X unit, showing input and output connections.

- **BALANCED INPUT (R/L):** RCA inputs for connecting to your head unit's pre-out or other audio source.
- **OUTPUT (R/L):** RCA outputs for connecting to your amplifier.
- **DASH REMOTE:** RJ11 port for connecting the wired dash remote control.
- **+12V:** Power input terminal (connect to switched +12V).
- **GROUND:** Ground terminal (connect to vehicle chassis).
- **REMOTE:** Remote turn-on input terminal (connect to head unit's remote output).

## 5. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. If you are unsure about any steps, it is recommended to seek professional installation.

1. **Disconnect Battery:** Before starting, disconnect the negative terminal of your vehicle's battery.
2. **Mounting:** Choose a secure, dry location for mounting the EP1200X, such as under a seat or in the trunk. Ensure adequate ventilation.
3. **Power Wiring:**
  - Connect the **+12V** terminal to a switched +12V power source (e.g., ignition wire) using appropriate gauge wire

and an inline 1 Amp fuse.

- Connect the **GROUND** terminal to a clean, bare metal chassis ground point in the vehicle.
- Connect the **REMOTE** terminal to the remote turn-on output of your head unit or amplifier.

#### 4. Audio Connections:

- Connect the RCA pre-out from your head unit or audio source to the **BALANCED INPUT (R/L)** of the EP1200X.
- Connect the **OUTPUT (R/L)** of the EP1200X to the RCA input of your amplifier.

5. **Dash Remote:** Connect the provided dash remote control to the **DASH REMOTE** port on the EP1200X. Route the cable to a convenient location for the driver.

6. **Reconnect Battery:** Once all connections are secure, reconnect the vehicle's battery negative terminal.

## 6. OPERATING INSTRUCTIONS

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After installation, you can begin tuning your bass enhancer. Start with all settings at their minimum or neutral positions and adjust gradually.

- **Power On:** Turn on your vehicle's ignition and head unit. The POWER LED on the EP1200X should illuminate.
- **Adjusting WIDE:** Experiment with the WIDE knob to control the breadth of the bass frequency range that is enhanced. A wider setting will affect more frequencies, while a narrower setting will focus on a specific band.
- **Adjusting SWEEP:** Use the SWEEP knob to select the specific center frequency (35Hz-80Hz) where you want the bass enhancement to be most prominent. This allows you to target specific bass notes.
- **Dash Remote Control:** The dash remote typically provides control over the bass level (gain) and the sweep frequency, allowing for convenient adjustments from the driver's seat. Adjust the gain to your desired loudness without distortion.

## 7. MAINTENANCE

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The Blaupunkt EP1200X requires minimal maintenance. Keep the unit clean and free from dust and debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive cleaners. Ensure all connections remain secure over time.

## 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
No Power / Unit does not turn on	Blown fuse Incorrect power/ground/remote wiring Loose connections	Check and replace the 1 Amp fuse. Verify +12V, Ground, and Remote connections. Ensure all terminals are securely fastened.
No Sound Output	Incorrect RCA connections Head unit or amplifier issues Volume too low	Check RCA input and output connections. Verify head unit and amplifier are functioning correctly. Increase volume on head unit and adjust bass level on EP1200X remote.
Distorted Bass	Bass level set too high Amplifier gain too high Incorrect WIDE/SWEEP settings	Reduce the bass level on the EP1200X remote. Adjust amplifier gain settings. Experiment with WIDE and SWEEP knobs to find optimal settings.

# Additional Features

Maximum Input Level	: 15V RMS
Maximum Output Level	: 13.5V peak
Frequency Response	: 10 Hz - 100 KHz; +/- 1 dB
Total Harmonic Distortion	: 0.003 %
Signal Noise to Ratio	: 130 dB
Balanced Input Noise Rejection	: > 60 dB
Input Impedance	: 10K Ohms
Output Impedance	: 150 Ohms
Power Supply	: High Headroom PWM
Power Draw	: 150 mA
Recommended Fuse Rating	: 1 Amp

Image 9.1: Detailed technical specifications for the EP1200X.

Feature	Specification
Maximum Input Level	15V RMS
Maximum Output Level	13.5V peak
Frequency Response	10Hz - 100KHz; +/- 1dB
Total Harmonic Distortion	0.003%
Signal to Noise Ratio	130dB
Balanced Input Noise Rejection	>60dB
Input Impedance	10K Ohms
Output Impedance	150 Ohms
Power Supply	High Headroom PWM

Feature	Specification
Power Draw	150mA
Recommended Fuse Rating	1 Amp
Product Dimensions (L x W x H)	7.5 x 8.5 x 2.5 inches
Item Weight	2.18 pounds

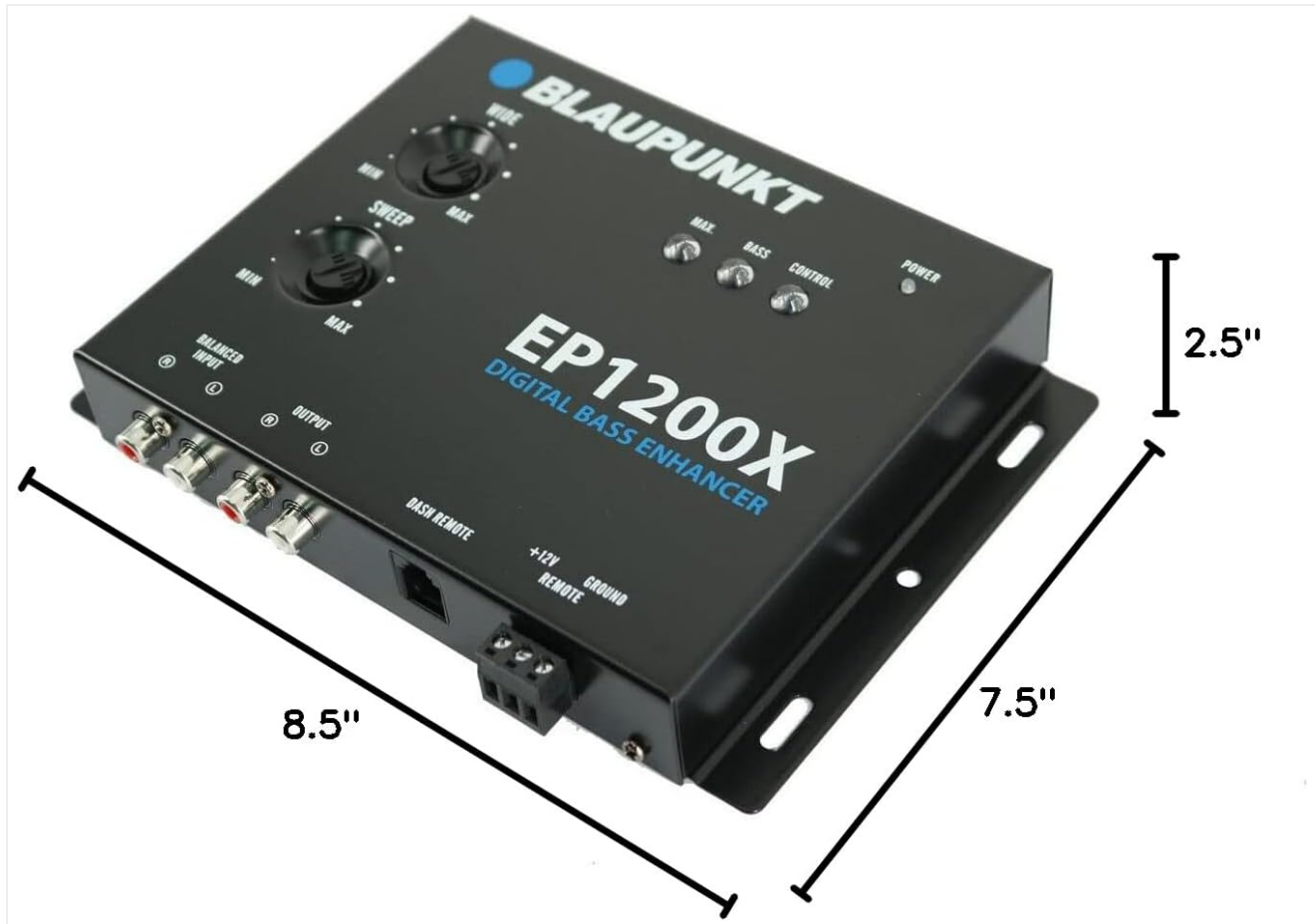


Image 9.2: Physical dimensions of the EP1200X unit, including mounting tabs.

## 10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or visit the official Blaupunkt website. Keep your proof of purchase for warranty claims.

Official Blaupunkt Website: [www.blaupunkt.com](http://www.blaupunkt.com)