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BLAUPUNKT EP1800X

Blaupunkt EP1800X 7-Band Car Audio Graphic Equalizer

Model: **EP1800X** | Brand: **BLAUPUNKT**

INTRODUCTION

The Blaupunkt EP1800X is a 7-band car audio graphic equalizer designed to provide precise control over your vehicle's audio system. This unit features multiple input options, including front 3.5mm auxiliary, rear RCA auxiliary, and high-level speaker inputs, along with a subwoofer crossover for enhanced sound customization. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and longevity of your equalizer.



Image: Front view of the Blaupunkt EP1800X 7-Band Car Audio Graphic Equalizer, showcasing its control knobs and input/output labels.

SAFETY INFORMATION

- Always disconnect the vehicle's battery before beginning any installation.
- Ensure all wiring is properly insulated and secured to prevent short circuits and damage.
- Mount the equalizer in a location that does not obstruct the driver's view or interfere with vehicle operation.
- Avoid installing the unit in areas exposed to excessive heat, moisture, or direct sunlight.
- Use appropriate gauge wiring for power, ground, and speaker connections as specified in the installation guide.
- Consult a professional car audio installer if you are unsure about any aspect of the installation process.

FEATURES

- **7-Band Graphic Equalizer:** Allows for precise audio frequency adjustments.
- **Subwoofer Crossover:** Adjustable from 30Hz to 300Hz for optimized bass output.
- **Multiple Auxiliary Inputs:** Includes a front 3.5mm auxiliary input and rear RCA auxiliary inputs for versatile connectivity.
- **High-Level Speaker Inputs:** Provides compatibility with factory head units lacking RCA outputs.
- **High Output Voltage:** Maximum output level of 7V RMS for strong signal delivery to amplifiers.
- **Wide Frequency Response:** 10Hz - 100kHz, -1dB for comprehensive sound reproduction.
- **Excellent Signal-to-Noise Ratio:** -110dB for clear audio with minimal background noise.
- **Sensitivity Variation:** -10dB to +10dB for fine-tuning input levels.

PACKAGE CONTENTS

The Blaupunkt EP1800X package includes:

- Blaupunkt EP1800X 7-Band Graphic Equalizer Unit
- Instruction Brochure (User Manual)
- Mounting Hardware (screws, brackets)
- Power/Ground/Remote Wiring Harness

PRODUCT OVERVIEW: CONTROLS AND CONNECTIONS

Front Panel Controls

The front panel of the EP1800X provides intuitive controls for adjusting your audio experience:

- **SUB LEVEL VOLUME:** Adjusts the output level of the subwoofer.
- **FADER:** Balances the audio output between front and rear speakers.
- **7-Band Graphic Equalizer Knobs:** Individual rotary controls for 40Hz, 125Hz, 315Hz, 750Hz, 2.2kHz, 6kHz, and 16kHz frequencies. These allow for boosting or cutting specific frequency ranges.
- **AUX Input:** 3.5mm jack for connecting external audio devices.

Rear Panel Connections

The rear panel houses all necessary input and output connections:

- **MAIN IN (RCA):** Main audio input from your head unit.
- **AUX IN (RCA):** Auxiliary audio input for additional sources.

- **HI INPUT:** High-level speaker inputs for connecting to factory head units.
- **FRONT OUT (RCA):** Audio output for front speakers/amplifiers.
- **REAR OUT (RCA):** Audio output for rear speakers/amplifiers.
- **SUB OUT (RCA):** Audio output specifically for a subwoofer amplifier.
- **POWER:** Terminal for +12V, Ground, and Remote Turn-On connections.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. Follow these general guidelines:

1. **Mounting:** Choose a dry, secure location away from direct heat and moisture. Ensure adequate ventilation. Use the provided mounting hardware to secure the equalizer.
2. **Power Connections:**
 - Connect the **+12V** terminal to a constant +12V power source from the vehicle's battery (with an inline fuse).
 - Connect the **GND** terminal to a clean, solid chassis ground point.
 - Connect the **REM** (Remote) terminal to the remote turn-on output of your head unit.
3. **Audio Inputs:**
 - For head units with RCA outputs, connect the head unit's RCA outputs to the **MAIN IN** or **AUX IN** (rear) of the equalizer.
 - For portable devices, use the front **3.5mm AUX** input.
 - For factory head units without RCA outputs, use the **HI INPUT** connections.
4. **Audio Outputs:**
 - Connect the **FRONT OUT** RCA outputs to your front speaker amplifier inputs.
 - Connect the **REAR OUT** RCA outputs to your rear speaker amplifier inputs.
 - Connect the **SUB OUT** RCA outputs to your subwoofer amplifier input.
5. **Initial Settings:** Before powering on, set all equalizer bands to the center (flat) position. Set volume and subwoofer levels to minimum.

OPERATING INSTRUCTIONS

Once installed, follow these steps to operate your EP1800X equalizer:

1. **Power On:** Turn on your vehicle's ignition and head unit. The equalizer should power on automatically via the remote turn-on wire.
2. **Source Selection:** If using multiple inputs, ensure your head unit is set to the correct input source.
3. **Volume Adjustment:** Gradually increase the master volume on your head unit and then adjust the **SUB LEVEL VOLUME** and main volume on the equalizer to your desired listening level.
4. **Equalization:** Use the 7-band graphic equalizer knobs (40Hz, 125Hz, 315Hz, 750Hz, 2.2kHz, 6kHz, 16kHz) to fine-tune the audio frequencies.
 - Turn a knob clockwise to boost that frequency.
 - Turn a knob counter-clockwise to cut that frequency.
 - Experiment with different settings to achieve your preferred sound profile.
5. **Fader Control:** Adjust the **FADER** knob to balance the sound between your front and rear speakers.

6. **Subwoofer Crossover:** The subwoofer crossover is fixed at 30Hz to 300Hz. Adjust the **SUB LEVEL VOLUME** to control the bass intensity.

SPECIFICATIONS

Feature	Specification
Model	EP1800X
Equalizer Bands	7-Band Graphic
Graphic Center Frequencies	40 Hz, 125Hz, 315Hz, 750Hz, 2.2kHz, 6kHz, 16kHz
Subwoofer Crossover	30Hz to 300Hz
Maximum Input Level	14.4V RMS
Maximum Output Level	7V RMS
Frequency Response	10Hz - 100kHz, -1dB
Signal-to-Noise Ratio (S/N)	-110dB
Sensitivity Variation	-10dB to +10dB
Product Dimensions	12 x 9 x 2.1 inches
Item Weight	1.45 pounds

MAINTENANCE

- Keep the unit clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- Ensure all connections remain secure and free from corrosion. Periodically check wiring for any signs of wear or damage.
- Avoid spilling liquids on the equalizer.

TROUBLESHOOTING

If you experience issues with your EP1800X, refer to the following common problems and solutions:

- **No Power:**
 - Check the +12V power connection and inline fuse.
 - Verify the ground connection is secure.
 - Ensure the remote turn-on wire is properly connected and receiving signal from the head unit.
- **No Sound:**
 - Confirm all RCA input and output cables are securely connected.
 - Check the head unit's volume and input selection.
 - Ensure amplifier(s) are powered on and receiving signal.
 - Verify equalizer volume and fader settings.

- **Distorted Sound:**

- Reduce the input level from the head unit or the equalizer's sensitivity.
- Check for damaged or improperly shielded RCA cables.
- Ensure speaker wires are not shorting or touching the chassis.

- **Excessive Noise (Hiss/Hum):**

- Verify all ground connections are clean and secure.
- Ensure power and RCA cables are routed separately to avoid interference.
- Check for proper grounding of all audio components.

OFFICIAL PRODUCT VIDEOS

The following videos provide additional information and demonstrations related to car audio equalizers. While some may feature similar products, they offer valuable insights into installation and sound customization.

TOPSTRONGGEAR TSG7EQ 7-Band Car Audio Graphic Equalizer Overview

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Video: An overview of the TOPSTRONGGEAR TSG7EQ 7-Band Car Audio Graphic Equalizer, demonstrating its features and connections. This video provides a general understanding of similar 7-band equalizers.

Big Jeff Unboxing Black Diamond Audio DIA-EQ7LS! Awesome EQ

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Video: An unboxing and feature demonstration of the Black Diamond Audio DIA-EQ7LS equalizer. This video highlights the physical aspects and basic functionality common to many car audio equalizers.

All about your R7EQ

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Video: A detailed explanation of the R7EQ equalizer, covering its controls, connections, and how it enhances car audio systems. Useful for understanding the principles of equalizer operation.

Ultimate Power: XEQ-X7 Equalizer Demo | Feel the Power!

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Video: A demonstration of the XEQ-X7 equalizer, showcasing its sound shaping capabilities and various features. This video provides a visual and auditory example of equalizer performance.

EQX764 overview and details

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Video: An overview and detailed explanation of the EQX764 equalizer, including its inputs, outputs, and equalization bands. This video offers a comprehensive look at a comparable product.

Taramps DSP Pro 2.4s Processor

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Video: A short video showcasing the Taramps DSP Pro 2.4s Digital Audio Processor. While not a graphic equalizer, it demonstrates advanced audio processing capabilities relevant to car audio enthusiasts.

360 Product Video DIA-EQ7LS

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Video: A 360-degree view of the Black Diamond Audio DIA-EQ7LS, providing a visual inspection of the unit's design and all its connection points.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Blaupunkt website or contact their customer service. Keep your purchase receipt as proof of purchase for any warranty claims.

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Related Documents - EP1800X

	Blaupunkt SBA20 Bluetooth Soundbar User Manual Comprehensive guide to the Blaupunkt SBA20 standalone Bluetooth soundbar, covering features, connections, modes, and warranty information.
	Blaupunkt TravelPilot 500 Firmware-Aktualisierung Anleitung Anleitung zur Aktualisierung der Firmware Ihres Blaupunkt TravelPilot 500 Navigationsgeräts. Erfahren Sie, wie Sie Ihre SD-Karte vorbereiten, das Update durchführen und die Installation überprüfen.
	Blaupunkt SMS611 3-in-1 Sandwich Maker Owner's Manual User guide for the Blaupunkt SMS611, a versatile 3-in-1 sandwich maker, waffle maker, and grill. Includes important safety notes, operating instructions, and cleaning advice.

