

Hifonics BXIPRO1.5

Hifonics BXIPRO1.5 Digital Bass Enhancer

Instruction Manual

1. INTRODUCTION

The Hifonics BXIPRO1.5 is a digital bass enhancement processor designed to integrate with any upgraded subwoofer system in your vehicle. This unit restores and enhances bass frequencies, providing a more impactful audio experience. It features a compact design suitable for dash-mount installation and includes a remote control for convenient bass level adjustments. The BXIPRO1.5 utilizes Tiffany-style differential noise inputs to minimize signal interference, ensuring clear and distortion-free bass output.

This manual provides detailed instructions for the proper installation, operation, and maintenance of your Hifonics BXIPRO1.5 Digital Bass Enhancer.

HIFONICS 1.5 BASS ENHANCER Digital Processor

BXiPRO1.5

POWER
FROM THE
GODS



MAXIMUM

9.5V
SUBWOOFER OUTPUT
OUTPUT VOLTAGE
AT 1.0% THD+N

 INPUT IMPEDANCE
LOW LEVEL INPUTS

20k Ohms

 MAXIMALLY FLAT
FREQUENCY RESPONSE

20Hz to >20kHz

 SIGNAL TO
NOISE RATIO

88.4dB

Image 1.1: Front view of the Hifonics BXiPRO1.5 Digital Bass Enhancer, highlighting key specifications such as 9.5V subwoofer output, 20k Ohms input impedance, 20Hz to >20kHz frequency response, and 88.4dB signal-to-noise ratio.

2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. Ensure all connections are secure and correctly polarized. It is recommended to have this unit installed by a professional car audio technician.

2.1 Mounting the Unit

The BXiPRO1.5 features a compact design for flexible installation. It can be surface-mounted in various locations within your vehicle, including under the dashboard or seats. Ensure the mounting location allows for adequate ventilation and access to controls and connections.



Image 2.1: Top view of the Hifonics BXiPRO1.5 Digital Bass Enhancer, showing its compact form factor suitable for various mounting options.

2.2 Wiring Connections

Follow the wiring diagram provided with your product for specific connections. Below are general guidelines:

1. **Power Connection (+12V):** Connect the +12V terminal to a constant +12V power source from your vehicle's battery. Use an appropriate gauge wire and an inline fuse (not included) as close to the battery as possible.
2. **Ground Connection (GND):** Connect the GND terminal to a solid chassis ground point in your vehicle. Ensure a clean, paint-free metal surface for optimal conductivity.
3. **Remote Turn-On (REMOTE IN/OUT):** Connect the REMOTE IN terminal to the remote turn-on output of your head unit or amplifier. The REMOTE OUT can be used to turn on other components in your audio system.
4. **Low-Level Inputs (LOW LEVEL IN 1/2):** Connect the RCA outputs from your head unit or signal processor to these inputs. The BXiPRO1.5 accepts two channels of low-level input.
5. **Mono Bass Output (MONO BASS OUT):** Connect these RCA outputs to the input of your subwoofer amplifier. This output provides the enhanced bass signal.

6. **Remote Control Input (HF-U-01 REMOTE):** Connect the included dash-mount remote control to this port using the provided cable.



Image 2.2: Rear view of the Hifonics BXIPRO1.5, illustrating the low-level inputs (1 and 2) and the power/remote terminals (+12V, GND, REMOTE IN, REMOTE OUT).



Image 2.3: Detailed view of the low-level RCA inputs on the Hifonics BXIPRO1.5.



Image 2.4: Rear view of the Hifonics BXIPRO1.5, showing the HF-U-01 remote input and the Mono Bass Out RCA connections.



Image 2.5: Detailed view of the Mono Bass Out RCA connections on the Hifonics BXIPRO1.5.

3. OPERATING INSTRUCTIONS

The BXIPRO1.5 offers several controls to fine-tune your bass enhancement. Adjust these controls to achieve your desired sound.

3.1 Main Unit Controls

- **BASS LEVEL:** This knob controls the overall output level of the enhanced bass signal. Adjust it to match the sensitivity of your subwoofer amplifier.
- **WIDTH:** This control adjusts the Q factor of the bass enhancement circuit. A wider setting will affect a broader range of bass frequencies, while a narrower setting will focus on a more specific frequency band.
- **SWEEP:** This knob allows you to select the center frequency for the bass enhancement. Turn it to find the frequency that best complements your subwoofer and vehicle acoustics.



Image 3.1: Top view of the Hifonics BXiPRO1.5, clearly showing the Bass Level, Width, and Sweep adjustment knobs.



Image 3.2: Detailed view of the Bass Width and Sweep controls, allowing for precise tuning of the bass enhancement.

3.2 Dash-Mount Remote Control

The included HF-U-01 remote control allows for convenient adjustment of the bass level from your driving

position. This knob directly controls the output level of the enhanced bass, enabling on-the-fly adjustments without accessing the main unit.



Image 3.3: The HF-U-01 dash-mount remote control, used for adjusting the bass level conveniently from the driver's seat.

4. MAINTENANCE

The Hifonics BXIPRO1.5 is designed for reliable operation with minimal maintenance. To ensure longevity and consistent performance:

- Keep the unit clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Periodically check all wiring connections to ensure they remain secure. Loose connections can lead to signal loss or intermittent performance.
- Ensure the unit has adequate ventilation to prevent overheating, especially during prolonged use.

5. TROUBLESHOOTING

If you experience issues with your BXIPRO1.5, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Power (Power LED Off)	• Blown fuse • Loose power or ground connection • No remote turn-on signal	• Check and replace fuse • Verify all power and ground connections are secure • Ensure remote turn-on wire is connected and receiving signal

Problem	Possible Cause	Solution
No Bass Output	• Incorrect input/output connections • Bass level set too low • Subwoofer amplifier not powered	• Check RCA input and output cables • Adjust BASS LEVEL knob on unit and remote • Verify subwoofer amplifier is on and functioning
Distorted Bass	• Input signal too high • Output level too high • Incorrect WIDTH/SWEEP settings	• Reduce input signal level from head unit • Lower BASS LEVEL on BXIPRO1.5 or remote • Adjust WIDTH and SWEEP controls for optimal sound
Intermittent Sound	• Loose wiring connections • Faulty RCA cables	• Inspect and secure all power, ground, and signal connections • Replace RCA cables if damaged

6. SPECIFICATIONS

Feature	Specification
Model	BXIPRO1.5
Brand	Hifonics
Voltage	48 Volts (DC)
Maximum Supply Voltage	48 Volts (DC)
Mounting Type	Surface Mount
Number of Channels	2
Material Type	Plastic
Input Impedance	20k Ohms
Frequency Response	20Hz to >20kHz
Signal to Noise Ratio	88.4dBA
Max Subwoofer Output	9.5V at 1.0% THD+N
Dimensions (L x W x H)	10" x 9" x 2.25"
Weight	1.6 lbs
UPC	806576232834

Feature	Specification
ASIN	B09SZHS32W



HIFONICS

POWER
FROM THE
GODS

Adjustable bass enhancement preamp output



Compatible Vehicles
Universal



Bass knob to control bass level output



BXiPro - Series

(L) 10" x (W) 9" x (H) 2.25" | 1.6 lbs

Image 6.1: The Hifonics BXIPRO1.5 unit shown with its physical dimensions (Length, Width, Height) and weight.

7. WARRANTY INFORMATION

The Hifonics BXIPRO1.5 Digital Bass Enhancer comes with a**1-Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, accident, misuse, abuse, neglect, unauthorized repair, or modification.

Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official Hifonics website or contact customer support.

8. SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Hifonics customer support. You can typically find contact information on the official Hifonics website or through your authorized dealer.

When contacting support, please have your product model number (BXIPRO1.5) and proof of purchase readily available.