

Behringer FBQ1502HD

Behringer Ultragraph Pro FBQ1502HD 15-Band Graphic Equalizer User Manual

Model: FBQ1502HD | Brand: Behringer

INTRODUCTION

This manual provides comprehensive instructions for the Behringer Ultragraph Pro FBQ1502HD 15-band graphic equalizer. It covers essential information regarding setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. The FBQ1502HD is designed for precise audio frequency control in studio and live sound environments, featuring advanced feedback detection and robust signal processing capabilities.

IMPORTANT SAFETY INSTRUCTIONS

Please read these instructions carefully before operating the unit. Keep this manual for future reference. Observe all warnings and follow all instructions.

- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way.

FEATURES

The Behringer Ultragraph Pro FBQ1502HD offers a range of professional features designed for precise audio control:

- **FBQ Feedback Detection System:** Instantly identifies critical frequencies, allowing for quick and effective feedback suppression. This system can also function as an audio analyzer.

- **Dedicated Mono Subwoofer Output:** Features an adjustable crossover frequency for optimized bass management.
- **Low-Cut Filter:** An additional filter on each channel helps remove unwanted low-end frequencies, such as floor rumble.
- **High-Quality Components:** Equipped with 4580 dual op-amps for low noise and excellent sound quality.
- **Precise Level Monitoring:** A 12-segment LED meter provides accurate visual feedback for signal levels.
- **Input Gain Controls:** Facilitate easy and precise level setting.
- **Planet Earth Switching Power Supply:** Ensures noise-free audio, superior transient response, and efficient power consumption.

SETUP

Proper setup is crucial for the optimal performance of your FBQ1502HD. Follow these steps for initial installation:

1. **Unpacking:** Carefully remove the FBQ1502HD from its packaging. Retain all packaging materials for potential future transport or servicing.
2. **Placement:** The unit is designed for rack mounting. Ensure adequate ventilation around the unit to prevent overheating.
3. **Power Connection:** Connect the supplied power cable to the unit's power inlet and then to a suitable AC power outlet. The Planet Earth switching power supply adapts to various voltages.
4. **Audio Connections:**
 - **Inputs:** Connect your audio source (e.g., mixer output) to the FBQ1502HD's input jacks using balanced XLR or 1/4-inch TRS cables. The unit features two independent channels.
 - **Outputs:** Connect the FBQ1502HD's output jacks to your amplifier or next processing stage using balanced XLR or 1/4-inch TRS cables.
 - **Subwoofer Output:** If using a subwoofer, connect it to the dedicated mono subwoofer output. Adjust the crossover frequency as needed for seamless integration with your main speakers.
5. **Initial Power On:** Before powering on, ensure all connections are secure and input gain controls are set to their minimum position. Power on your audio system components in the correct sequence (source, equalizer, amplifier).



Image 1: Front panel of the Behringer Ultragraph Pro FBQ1502HD, showing the dual 15-band graphic equalizers, input/output level controls, FBQ feedback detection buttons, and power switch.

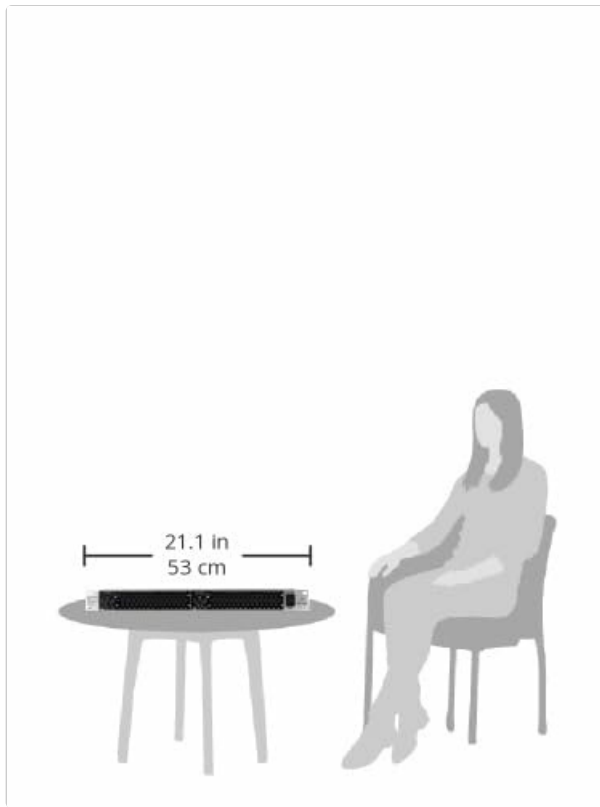


Image 2: A visual representation of the Behringer Ultragraph Pro FBQ1502HD's dimensions (21.1 inches / 53 cm width) compared to a seated person, illustrating its compact rack-mountable size.

OPERATING INSTRUCTIONS

Familiarize yourself with the controls and functions of the FBQ1502HD to achieve desired audio adjustments.

- **Input Gain Control:** Use the input gain knob for each channel to set the appropriate signal level. The 12-segment LED meter will help you monitor the input level, aiming for a strong signal without clipping (red LEDs).
- **Graphic Equalizer Sliders:** Adjust the 15 frequency bands for each channel to shape your audio. Moving a slider up boosts that frequency, while moving it down cuts it.
- **FBQ Feedback Detection:** Press the FBQ button for a channel to activate the feedback detection system. The LEDs on the frequency sliders will illuminate brightly at the frequencies causing feedback, allowing you to quickly reduce those specific bands. This function can also be used as a real-time audio analyzer.
- **Low-Cut Filter:** Engage the low-cut filter button for each channel to remove unwanted low-frequency content, such as stage rumble or microphone handling noise.
- **Output Level Control:** Use the output level knob to adjust the overall output volume of the processed signal for each channel.
- **Subwoofer Crossover:** If using the dedicated subwoofer output, adjust the crossover frequency knob to determine the frequency point where the main speakers roll off and the subwoofer takes over.

MAINTENANCE

To ensure the longevity and reliable operation of your FBQ1502HD, follow these maintenance guidelines:

- **Cleaning:** Disconnect the unit from power before cleaning. Use a soft, dry cloth to wipe the exterior. Avoid abrasive cleaners or solvents that could damage the finish or controls.
- **Ventilation:** Ensure that the ventilation openings are clear of dust and debris. Proper airflow is essential to prevent overheating.
- **Storage:** If storing the unit for an extended period, place it in its original packaging or a protective case in a dry, temperature-controlled environment.

- **Cable Inspection:** Periodically check all audio and power cables for signs of wear or damage. Replace any faulty cables immediately.

TROUBLESHOOTING

This section addresses common issues you might encounter with your FBQ1502HD.

Problem	Possible Cause	Solution
No sound output	Power not connected or unit off. Incorrect cable connections. Input/output levels too low. Faulty cables.	Ensure power is connected and the unit is switched on. Verify all audio cables are correctly connected to inputs and outputs. Increase input and output gain controls gradually. Test with different cables.
Hum or unwanted noise	Ground loop issue. Unbalanced cables in a balanced system. Interference from other equipment.	Ensure all equipment is on the same electrical circuit or use a ground loop isolator. Use balanced XLR or TRS cables for all connections. Relocate the unit or other noisy equipment.
Distorted audio	Input signal too high (clipping). Output signal too high.	Reduce the input gain until the red clip LEDs no longer illuminate. Lower the output level.
FBQ LEDs not working correctly	LED malfunction.	While rare, individual LED failures can occur. If this affects functionality, contact Behringer support.

SPECIFICATIONS

Feature	Detail
Model	FBQ1502HD
Brand	Behringer
Item Weight	3.74 pounds (1.7 Kilograms)
Product Dimensions (L x W x H)	19.02 x 8.46 x 1.73 inches
Equalizer Bands	15 per channel (dual channel)
Feedback Detection	FBQ System
Subwoofer Output	Dedicated mono with adjustable crossover
Low-Cut Filter	Yes, per channel
Power Supply	Planet Earth Switching Power Supply
Hardware Interface	USB (for potential control/firmware updates, not audio I/O)
UPC	748252153241, 715933049773, 750408391414

WARRANTY

Behringer products are typically covered by a limited warranty. The specific terms and duration of the warranty may vary by region and product. Please refer to the official Behringer website or the warranty card included with your product for detailed information regarding warranty coverage, terms, and conditions. Keep your proof of purchase for warranty claims.

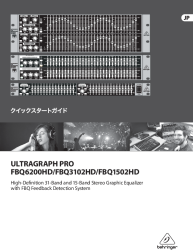
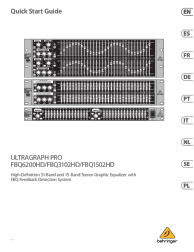
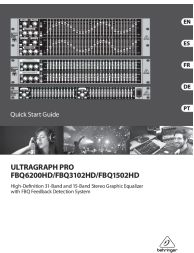
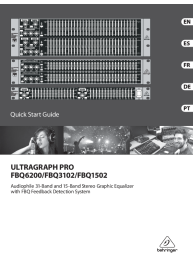
SUPPORT

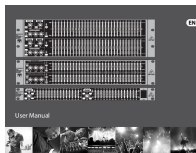
For technical support, service, or further information regarding your Behringer Ultragraph Pro FBQ1502HD, please visit the official Behringer website. You can find FAQs, driver downloads, and contact information for customer service and authorized service centers.

Official Behringer Website: www.behringer.com

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Related Documents - FBQ1502HD

	<p>Behringer ULTRAGRAPH PRO FBQ6200HD/FBQ3102HD/FBQ1502HD Quick Start Guide</p> <p>Quick start guide for the Behringer ULTRAGRAPH PRO series graphic equalizers, including models FBQ6200HD, FBQ3102HD, and FBQ1502HD. Covers safety, controls, and technical specifications.</p>
	<p>Behringer ULTRAGRAPH PRO FBQ6200HD/FBQ3102HD/FBQ1502HD Quick Start Guide Stereo Graphic Equalizer</p> <p>Get started quickly with the Behringer ULTRAGRAPH PRO FBQ6200HD, FBQ3102HD, and FBQ1502HD. This guide provides essential information on using your high-definition stereo graphic equalizer with FBQ feedback detection system.</p>
	<p>Behringer ULTRAGRAPH PRO FBQ6200HD/FBQ3102HD/FBQ1502HD Quick Start Guide</p> <p>Get started quickly with the Behringer ULTRAGRAPH PRO FBQ6200HD, FBQ3102HD, and FBQ1502HD high-definition stereo graphic equalizers. This guide covers controls, specifications, and important safety information.</p>
	<p>Behringer ULTRAGRAPH PRO FBQ6200/FBQ3102/FBQ1502 Quick Start Guide</p> <p>This guide provides essential information for setting up and operating the Behringer ULTRAGRAPH PRO series graphic equalizers, including the FBQ6200, FBQ3102, and FBQ1502 models. It covers product overview, safety instructions, controls, features, specifications, and important user information.</p>



ULTRAGRAPH PRO
FBQ6200/FBQ3102/FBQ1502
Audiophile 31-Band and 15-Band Stereo Graphic Equalizer
with FBQ Feedback Detection System



[Behringer ULTRAGRAPH PRO FBQ6200/FBQ3102/FBQ1502: Stereo Graphic Equalizer User Manual](#)

Comprehensive user manual for the Behringer ULTRAGRAPH PRO series of stereo graphic equalizers (FBQ6200, FBQ3102, FBQ1502). Learn about features like the FBQ Feedback Detection System, controls, installation, application examples, and technical specifications.

BASS GRAPHIC EQUALIZER BEQ700

Thanks for choosing your MoNeer Inc by purchasing the **SHIMMER DIGITAL FM EQUALIZER 802501**. This ultra-effective pedal is specifically designed to match the frequency range of bass guitars. It allows 7-band sound shaping and feedback elimination from 20 Hz to 100 kHz. It also monitors 15 dB above your hand. Ideal for both electric & acoustic bass guitars.

1. Controls



- ❑ The **BIOS** **F10** label is also a hotkey that will bring up a menu from which to boot. At **F10**, select **EXIT**.
- ❑ The **BIOS** **Enter** label is the required field. It will allow us to enter the advanced "boot" menu.
- ❑ The **BIOS** **Enter** label will take us to a third, final screen as shown by the following:
- ❑ Use the **left** or **right** arrow keys to select the option you want.
- ❑ Use the **ESC** or **F10** to move to a page in the instrument setup.
- ❑ Press **F10** to save the instrument setup (password).
- ❑ Press **ESC** to return to the screen of the computer (password) if a password is required (not included).
- ❑ The **BIOS** **COMBAT TACTIC** is located under the **boot** menu. It will allow you to "load" up the **TV** before you go through the 30 seconds and boot the game. Use the **left** or **right** arrow to switch the boot.
- ❑ The **BIOS** **ESC** has an **exit** option. It is used to go past the **boot** label, into the **main** screen, the **BIOS** **ESC** begins a counting. When it is using the **BIOS** **ESC**, remove the jack from the connector. To extend the life of the battery.



Behringer BEQ700 Bass Graphic Equalizer User Manual

User manual for the Behringer BEQ700 Ultimate 7-Band Graphic Equalizer, detailing its controls, specifications, and safety instructions.