

Behringer HB01

Behringer HELLBABE HB01 Optical Wah Pedal User Manual

Model: HB01

INTRODUCTION

The Behringer HELLBABE HB01 is a versatile optical wah pedal designed for electric and bass guitars. It offers a wide range of tonal possibilities through its adjustable frequency range, unique spring-back mechanism, and fine-tune controls. This manual provides essential information for setting up, operating, and maintaining your HB01 pedal.



Figure 1: The Behringer HELLBABE HB01 Optical Wah Pedal.

KEY FEATURES

- **Multi-functional Wah-Wah Pedal:** Designed to provide a comprehensive range of wah effects suitable for various musical styles and sounds.
- **Optical Control:** Utilizes optical control for pedal operation, minimizing wear and tear associated with mechanical pots and switches, ensuring long-term reliability.
- **Spring-back Pedal Mechanism:** Features a unique spring-back mechanism with adjustable resistance, allowing players to customize the feel and response of the pedal. This mechanism can also be optionally removed.
- **Adjustable Heel-down Frequency Range:** The heel-down frequency range is freely adjustable via the Range control, spanning from 440 Hz down to 250 Hz. This broad range makes the pedal suitable for use with both electric guitars and bass guitars.
- **Ultra-musical Q Control:** Provides precise filter shaping capabilities, enabling users to achieve vocal-like effects and fine-tune the wah's character.

SETUP

Before using your Behringer HELLBABE HB01 pedal, ensure proper connection and power supply.

1. **Power Supply:** The pedal can be powered by a 9V battery or an optional 9V DC power adapter (not included).
 - To install a battery, open the battery compartment located on the underside of the pedal. Connect a 9V battery to the clip and place it inside the compartment.

- For external power, connect a 9V DC power adapter to the DC input jack.

2. Connections:

- Connect your guitar to the "IN" jack of the HB01 pedal using a standard 1/4-inch instrument cable.
- Connect the "OUT" jack of the HB01 pedal to your amplifier or other effects pedals using another 1/4-inch instrument cable.

3. **Placement:** Place the pedal on a stable surface or integrate it into your pedalboard.

OPERATING INSTRUCTIONS

The HELLBABE HB01 offers intuitive controls for shaping your wah sound.

Controls:

- **LEVEL:** Adjusts the overall output volume of the wah effect.
- **RANGE:** Controls the heel-down frequency range of the wah. Turning this knob allows you to set the lowest frequency the wah pedal reaches, from 440 Hz down to 250 Hz.
- **Q:** Adjusts the sharpness or intensity of the wah effect. Higher Q settings result in a more pronounced, vocal-like wah.
- **BOOST:** Activates and controls the built-in boost function. This can be used to increase the signal level for solos or to drive your amplifier harder.
- **MODE Switch:** Selects between different wah modes (e.g., classic wah, filter, etc.). Refer to the detailed specifications for specific mode functionalities.

Usage:

1. **Engaging the Wah:** Press down on the pedal to engage the wah effect. The optical sensor detects your foot movement.
2. **Wah Sweep:** Move your foot back and forth on the pedal to sweep through the frequency range, creating the characteristic wah sound.
3. **Adjusting Resistance:** The spring-back mechanism's resistance can be adjusted to suit your playing style. Consult the pedal's underside or side panels for adjustment screws, if available.
4. **Using the Boost:** Engage the BOOST function as needed to add volume or drive to your signal. Adjust the BOOST knob to control the level of the boost.



Figure 2: The HB01 pedal is suitable for both guitarists and bassists.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the pedal. Avoid abrasive cleaners or solvents.
- **Battery Replacement:** Replace the 9V battery when the indicator light dims or the pedal's performance degrades.
- **Storage:** Store the pedal in a dry, cool place away from direct sunlight and extreme temperatures when not in use.
- **Optical Sensor:** As the pedal uses optical control, ensure the optical sensor area remains free from dust and debris for optimal performance.

TROUBLESHOOTING

- **No Sound:**
 - Check all cable connections (guitar to IN, OUT to amp).
 - Ensure the power supply is connected correctly or the battery is fresh.
 - Verify that your guitar and amplifier are working correctly.
- **Weak or Distorted Sound:**
 - Replace the 9V battery if using battery power.
 - Check cable integrity for any damage.
 - Adjust the LEVEL and BOOST controls.
- **Wah Effect Not Engaging/Working Properly:**
 - Ensure the pedal is fully pressed to engage.
 - Check the optical sensor area for any obstructions.
 - Verify the MODE switch setting.

SPECIFICATIONS

Model Number:	HB01
Body Material:	Metal
Color Name:	Black
Connector Type:	1/4 Inch Connector
Guitar Pickup Configuration:	Optical
Hardware Interface:	1/4-inch Audio
Signal Format:	Analog
Power Source:	Battery Powered (9V)
Item Weight:	2.65 pounds
Product Dimensions:	6.69 x 13.86 x 2.83 inches

WHAT'S IN THE BOX

- Behringer HELLBABE HB01 Optical Wah Pedal

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Behringer website or contact your local authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.