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### Darkglass MIX

# Darkglass Microtubes X Bass Preamp Pedal MIX

User Manual

## 1. INTRODUCTION

Welcome to the Darkglass Microtubes X Bass Preamp Pedal MIX user manual. This document provides detailed information on the features, setup, operation, and maintenance of your new bass preamp pedal. The Microtubes X is designed to deliver powerful distorted bass tones while maintaining clarity and low-end integrity, thanks to its unique signal splitting and processing capabilities.





Figure 1: Darkglass Microtubes X Bass Preamp Pedal MIX, front angled view.

## 2. FEATURES

The Darkglass Microtubes X Bass Preamp Pedal MIX offers a range of features designed to enhance your bass tone:

- Delivers powerful distorted bass tones with punch and clarity.
- Splits your signal into two paths with variable lowpass and highpass filters for customized tone shaping.
- Includes a mix control to balance clean and distorted signals for optimal sound.
- Active mid control with  $\pm 12\text{dB}$  boost at 500Hz for extensive sound-shaping potential.
- Drive control adjusts the amount of distortion applied to the high-pass filtered signal.
- True bypass circuitry maintains signal integrity when the pedal is disengaged.
- Compact and lightweight design for easy integration into pedalboards.
- Powered by a standard 9V DC adapter for convenience and compatibility.
- Equipped with durable build quality for reliable performance on stage and in the studio.
- Rear-panel XLR DI output for direct recording and connection to PA systems.

## 3. CONTROLS AND CONNECTIONS

Familiarize yourself with the controls and connections of your Microtubes X pedal:



LEVEL

DRIVE



LOW

HIGH

MIX

MIDS

50 Hz •

• 500 Hz

LOW PASS  $f$

100 Hz •

• 1 KHz

HIGH PASS  $f$

OUTPUT

INPUT

9VDC  
⊖ ⊕

MICROTUBES X  
DARKGLASS ELECTRONICS - MADE IN FINLAND

Figure 2: Front view of the Microtubes X pedal, highlighting the control knobs and footswitch.

### 3.1. Controls

- **Level:** Controls the overall output volume of the pedal.
- **Drive:** Adjusts the amount of gain for the distorted high-pass signal.
- **Mix:** Blends the clean low-pass signal with the distorted high-pass signal. Fully counter-clockwise is 100% clean, fully clockwise is 100% distorted.
- **Mids:** An active mid-range control with  $\pm 12\text{dB}$  of boost or cut at 500Hz. This allows for significant tonal shaping of the overall output.
- **Low Pass Filter (LPF):** Selects the cutoff frequency for the clean signal path. Frequencies below this setting are passed through clean. Adjustable from 50 Hz to 500 Hz.
- **High Pass Filter (HPF):** Selects the cutoff frequency for the distorted signal path. Frequencies above this setting are sent to the distortion circuit. Adjustable from 100 Hz to 1 kHz.

### 3.2. Connections



Figure 3: Side view of the Microtubes X pedal, showing the input and output jacks and power input.

- **Input:** Connect your instrument (bass guitar) here using a standard 1/4" instrument cable.
- **Output:** Connect this to your amplifier or audio interface using a standard 1/4" instrument cable.
- **9VDC:** Power input for a standard 9V DC power adapter (center negative). Ensure the power supply meets the pedal's requirements.
- **XLR DI Output:** (Rear Panel) Provides a balanced output for direct connection to a mixing console, audio interface, or PA system. This output is ideal for recording or live sound applications.

## 4. SETUP

Follow these steps to set up your Darkglass Microtubes X pedal:

1. Ensure your amplifier and other audio equipment are turned off.
2. Connect your bass guitar to the **Input** jack of the Microtubes X pedal.
3. Connect the **Output** jack of the Microtubes X pedal to the input of your amplifier or desired audio device.
4. Connect a standard 9V DC (center negative) power adapter to the **9VDC** input.
5. If using the DI output, connect an XLR cable from the **XLR DI Output** to your mixing console or audio interface.



6. Once all connections are secure, you may power on your amplifier and other equipment.

## 5. OPERATING INSTRUCTIONS

The Microtubes X pedal's unique design allows for precise control over your distorted bass tone. The signal is split into two paths: a clean low-pass signal and a distorted high-pass signal. These are then blended together.

### 5.1. Achieving Your Tone

- **Start with Filters:** Begin by setting the **Low Pass Filter (LPF)** and **High Pass Filter (HPF)**. The LPF determines the upper frequency limit of your clean low-end, while the HPF determines the lower frequency limit of the signal that gets distorted. Experiment with these to find the sweet spot where your low end remains clear and punchy, and your high end gets the desired grit.
- **Dial in Drive:** Adjust the **Drive** knob to control the intensity of the distortion applied to the high-pass signal. Higher settings will yield more aggressive and saturated tones.
- **Blend the Signals:** Use the **Mix** knob to blend the clean low-pass signal with the distorted high-pass signal. This is crucial for maintaining bass clarity while adding distortion. A common starting point is around 12 o'clock, then adjust to taste.
- **Shape with Mids:** The **Mids** control allows you to boost or cut the mid-range frequencies at 500Hz. This can help the bass cut through a mix or provide a more scooped sound.
- **Set Overall Level:** Finally, use the **Level** knob to set the overall output volume of the pedal, ensuring it matches or exceeds your bypassed signal level as needed.

The footswitch engages or bypasses the effect. When engaged, the LED indicator will illuminate.

## 6. SPECIFICATIONS

Specification	Value
Model Number	MIX
Item Weight	1.6 ounces
Product Dimensions	10 x 7 x 6 inches
Power Source	Corded Electric (9V DC, Center Negative)
Battery Type	1 x 9V battery required (not included for operation, only for internal circuitry if applicable, typically external power is used)
Color	Black
Signal Format	Analog
True Bypass	Yes

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your Microtubes X pedal, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid abrasive cleaners or solvents, which can damage the finish and components.

- **Storage:** Store the pedal in a cool, dry place away from direct sunlight and extreme temperatures.
- **Connections:** Periodically check all cable connections for wear and tear. Ensure jacks are free of dust and debris.
- **Power Supply:** Always use a compatible 9V DC center-negative power supply. Using an incorrect power supply can damage the unit and void the warranty.

## 8. TROUBLESHOOTING

If you encounter issues with your Microtubes X pedal, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound when pedal is engaged.	Incorrect power supply; faulty cables; incorrect connections; pedal not receiving signal.	Verify power supply (9V DC, center negative); check all cables for damage and ensure they are fully inserted; confirm instrument and amplifier are working correctly.
Unwanted noise or hum.	Ground loop; faulty power supply; interference from other electronics; dirty power.	Use an isolated power supply; try a different power outlet; move the pedal away from other electronic devices; check for faulty cables.
Distortion not engaging or sounding weak.	Drive knob too low; HPF set too high; Mix knob favoring clean signal.	Increase the <b>Drive</b> knob; lower the <b>High Pass Filter (HPF)</b> frequency; adjust the <b>Mix</b> knob towards the distorted side.

If the issue persists after trying these steps, please contact Darkglass support for further assistance.

## 9. SAFETY INFORMATION







Please read and follow these safety precautions to prevent damage to the unit or injury to yourself:

- Do not expose the unit to water or excessive moisture.
- Do not attempt to open or service the unit yourself. Refer all servicing to qualified personnel.
- Use only the specified power supply (9V DC, center negative).
- Keep the unit away from heat sources and direct sunlight.
- Avoid dropping or subjecting the unit to strong impacts.

## 10. WARRANTY AND SUPPORT

Darkglass Electronics products are built to the highest standards and are designed for reliable performance. For information regarding warranty coverage and technical support, please visit the official Darkglass Electronics website or contact their customer service directly. Keep your proof of purchase for warranty claims.

**Darkglass Official Website:** [www.darkglass.com](http://www.darkglass.com)

	<p><a href="#">Darkglass Microtubes B7K Ultra v2 User Manual - Features, Controls, Specs</a></p> <p>Comprehensive user manual for the Darkglass Microtubes B7K Ultra v2 bass preamp pedal. Learn about its features, controls, technical specifications, Darkglass Suite integration, and compliance information.</p>
	<p><a href="#">Darkglass Microtubes X Ultra Bass Guitar Effects Pedal User Manual</a></p> <p>User manual for the Darkglass Microtubes X Ultra multiband distortion bass guitar effects pedal, detailing its features, controls, connectivity, technical specifications, and software integration with Darkglass Suite.</p>
	<p><a href="#">Darkglass Vintage Deluxe Bass Overdrive Pedal User Manual</a></p> <p>Comprehensive user manual for the Darkglass Vintage Deluxe bass overdrive pedal, detailing controls, technical specifications, warranty, and compliance information.</p>
	<p><a href="#">Anagram Multi-Effect Processor and Pedalboard Manual</a></p> <p>Comprehensive user manual for the Darkglass Anagram multi-effect processor and pedalboard, detailing its features, operation, connections, and technical specifications for bass players.</p>
	<p><a href="#">Darkglass Anagram Bass Multi-FX Pedal Review   Guitar World</a></p> <p>In-depth review of the Darkglass Anagram, a versatile do-it-all bass multi-effects pedal featuring amp modeling, extensive effects, a looper, and USB audio interface for practice, studio, and live performance.</p>
	<p><a href="#">MIX: The Recording Industry Magazine - February 1988</a></p> <p>February 1988 issue of MIX, The Recording Industry Magazine, featuring articles on automation systems, piano miking, Alan Parsons, and a directory of independent producers and engineers. Includes advertisements for professional audio equipment like SUPERSTAR, NEVE, Audio Logic, QSC, and Solid State Logic consoles, alongside extensive industry news and studio session reports.</p>

