

DigiTech WHAMMY

DigiTech Whammy (5th Gen) Pitch-Shift Effect Pedal User Manual

Model: WHAMMY

1. INTRODUCTION

The DigiTech Whammy (5th Gen) is a pitch-shifting effect pedal designed for guitarists. This device allows for expressive pitch manipulation, offering both classic Whammy effects and modern chordal pitch-shifting capabilities. It features true bypass circuitry to maintain signal integrity when the effect is disengaged.



Figure 1: DigiTech Whammy (5th Gen) Pitch-Shift Effect Pedal. This image displays the top view of the red pedal, showing the expression pedal on the left, and the control knobs and switches for Harmony, Whammy, and Detune settings on the right.

2. KEY FEATURES

- **Classic Whammy Sound:** Replicates the iconic pitch-shifting effects.
- **Chordal Whammy Pitch Shifting:** Allows for polyphonic pitch shifts, preserving chord integrity.
- **True Bypass:** Ensures the original signal remains unaffected when the pedal is off.
- **Multiple Settings:** Includes 10 Whammy, 9 Harmony, and 2 Detune settings for versatile sound manipulation.
- **Standard Power:** Operates with a standard 9V DC power supply (included).

3. SETUP

3.1 Power Connection

Connect the included 9V DC power adapter to the power input jack on the pedal. Ensure the power source meets the specified voltage and current requirements (9V DC, 300mA minimum).

3.2 Audio Connections

- Connect your instrument (e.g., guitar) to the **Input** jack using a standard 1/4-inch (6.35mm) instrument cable.
- Connect the **Output** jack to your amplifier or other effects pedals using a standard 1/4-inch (6.35mm) instrument cable.

For optimal performance, place the Whammy pedal early in your signal chain, typically after any compression or overdrive pedals, but before modulation or time-based effects.

4. OPERATING INSTRUCTIONS

4.1 Engaging the Effect

Press the footswitch to engage or disengage the Whammy effect. When engaged, the LED indicator will illuminate.

4.2 Selecting Pitch-Shift Modes

The Whammy pedal offers three main categories of pitch-shifting effects: Harmony, Whammy, and Detune. Use the rotary selector knob to choose your desired effect.

- **Harmony Modes:** These modes add a harmonized note to your original signal. The expression pedal controls the pitch of the harmonized note.
- **Whammy Modes:** These modes shift your entire signal up or down by a specified interval. The expression pedal sweeps the pitch from the original note to the selected interval.
- **Detune Modes:** These modes create a subtle chorus-like effect by slightly detuning your signal. The expression pedal controls the depth of the detune.

4.3 Classic vs. Chords Switch

The **Classic/Chords** switch determines the pitch-shifting algorithm used:

- **Classic:** Optimized for single-note lines, providing the traditional Whammy sound.
- **Chords:** Optimized for polyphonic (multiple note) playing, maintaining the integrity of chords during pitch shifts.

4.4 Using the Expression Pedal

The integrated expression pedal controls the pitch sweep or harmony interval depending on the selected mode. Move the pedal from heel-down to toe-down position to sweep through the pitch range.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid abrasive cleaners or solvents.
- **Storage:** Store the pedal in a dry environment, away from extreme temperatures and direct sunlight.
- **Power Supply:** Always use the specified 9V DC power supply to prevent damage.

6. TROUBLESHOOTING







Problem	Possible Cause	Solution
No sound when pedal is engaged.	Incorrect cable connections, power supply issue, effect level set to minimum.	Verify all cables are securely connected. Ensure the power supply is functioning. Check the selected effect mode and expression pedal position.
Unexpected pitch shifts or glitches.	Incorrect mode selection (e.g., Classic mode with chords), faulty cables, power fluctuations.	Ensure the Classic/Chords switch is set appropriately for your playing style. Test with different cables. Use a stable power source.
Pedal does not turn on.	No power, faulty power supply, damaged pedal.	Check power connection and outlet. Test the power supply with another compatible device if possible. If issues persist, contact support.

7. SPECIFICATIONS

Parameter	Value
Model Number	WHAMMY
Item Weight	3.6 pounds (1.63 kg)
Product Dimensions (L x W x H)	7.75 x 6.5 x 2.5 inches (19.69 x 16.51 x 6.35 cm)
Body Material	Electronics (Metal casing)
Color	Red
Connector Type	1/4 inch (6.35mm) audio jack
Hardware Interface	1/4-inch Audio
Signal Format	Analog
Power Source	Corded Electric
Voltage	9 Volts DC

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official DigiTech website or contact DigiTech customer service directly. Keep your purchase receipt as proof of purchase. You can visit the [DigiTech Store on Amazon](#) for more product information and support resources.

 <p>Mode d'emploi</p>	<p>DigiTech Bass Whammy : Mode d'emploi et Spécifications</p> <p>Manuel d'utilisation complet pour la pédale d'effets DigiTech Bass Whammy, incluant les caractéristiques, les connexions, les effets Whammy, Harmony, Detune, les fonctions MIDI, la calibration et les spécifications techniques.</p>
 <p>Manual de instrucciones</p>	<p>DigiTech Whammy 5 User Manual: Effects, Connections, and Specifications</p> <p>Comprehensive user manual for the DigiTech Whammy 5 pedal, covering its features, effects (Whammy, Harmony, Detune), MIDI functions, connections, and technical specifications. Learn how to use this iconic pitch-shifting guitar effect pedal.</p>
 <p>Owner's Manual</p>	<p>DigiTech Whammy 5th Generation Pitch Shifting Guitar Pedal - Owner's Manual</p> <p>Comprehensive owner's manual for the DigiTech Whammy 5th Generation guitar pedal, detailing features, effects, connections, MIDI control, and specifications.</p>
	<p>DigiTech HammerOn Instantaneous Pitch Shifter User Manual</p> <p>Comprehensive user manual for the DigiTech HammerOn, detailing its features, modes, connections, and specifications for guitarists seeking advanced pitch shifting effects. Learn about Hammer-On, Impossible, and Sequence modes, Trill, Harmony, and more.</p>
 <p>Owner's Manual</p>	<p>DigiTech Whammy DT Owner's Manual: Guitar Effects Pedal Guide</p> <p>Comprehensive owner's manual for the DigiTech Whammy DT, detailing its features, effects (Whammy, Harmony, Detune, Drop Tune), setup, MIDI control, bypass modes, calibration, and safety information.</p>
 <p>Mode d'emploi</p>	<p>DigiTech Whammy Pédale d'Effets : Mode d'Emploi et Spécifications</p> <p>Manuel d'utilisation détaillé pour la pédale d'effets DigiTech Whammy, couvrant ses fonctionnalités, connexions, effets Whammy, Harmony, Detune, fonctions MIDI, et caractéristiques techniques.</p>