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DigiTech DROP

DigiTech DROP Compact Polyphonic Drop Tune Pitch-Shifter Pedal

User Instruction Manual

1. Introduction

The DigiTech DROP is a dedicated polyphonic drop tune pedal designed to alter your guitar's tuning digitally. This pedal allows you to drop your instrument's pitch from one semitone down to a full octave without physically retuning your guitar. It features a compact design, true bypass circuitry, and a versatile momentary/latching footswitch mode for various performance applications.



Figure 1: Front view of the DigiTech DROP Pedal.

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your DigiTech DROP pedal to ensure optimal performance.

2. What's in the Box

Please check the package contents upon unboxing:

- DigiTech DROP Compact Polyphonic Drop Tune Pitch-Shifter Pedal
- 9VDC Power Supply

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Video 1: A quick unboxing of the DigiTech DROP Pedal, showing the pedal and its included power supply.

3. Controls and Features

Familiarize yourself with the controls and connections of your DigiTech DROP pedal:



Figure 2: Top view of the DigiTech DROP Pedal, highlighting its controls.

- **LEVEL Knob:** This knob selects the desired pitch shift interval. It ranges from 1 semitone (1) up to a full octave (OCT), with an additional setting for Octave + Dry signal (OCT+DRY). Each setting is indicated by an illuminated LED.
- **MOMENTARY Switch:** A toggle switch with 'ON' and 'OFF' positions. When set to 'ON', the footswitch operates in momentary mode. When set to 'OFF', the footswitch operates in latching mode.
- **INPUT Jack:** Connect your instrument (guitar, bass, etc.) to this 1/4-inch mono input.
- **OUTPUT Jack:** Connect this 1/4-inch mono output to your amplifier or the next pedal in your signal chain.
- **FOOTSWITCH:** Activates or bypasses the effect. Its behavior depends on the MOMENTARY switch setting.
- **9VDC Power Input:** Connect the included 9VDC power supply here.

4. Setup

Follow these steps to integrate the DigiTech DROP pedal into your setup:

1. **Power Connection:** Connect the included 9VDC power supply to the 9VDC Power Input jack on the pedal. Plug the power supply into a suitable AC outlet.
2. **Instrument Connection:** Connect your instrument (e.g., guitar) to the**INPUT** jack of the DROP pedal using a standard 1/4-inch instrument cable.
3. **Amplifier Connection:** Connect the **OUTPUT** jack of the DROP pedal to your amplifier's input or to the input of the next pedal in your effects chain using a standard 1/4-inch instrument cable.
4. **Signal Chain Placement:** For optimal performance, place the DROP pedal early in your signal chain, typically after any compression or wah pedals, but before overdrive/distortion, modulation, or time-based effects.

5. Operating Instructions

The DigiTech DROP pedal offers straightforward operation for pitch shifting:

1. **Select Drop Interval:** Turn the **LEVEL** knob to select your desired pitch shift. The illuminated LED will indicate the active setting:
   - **1-7:** Drops tuning by 1 to 7 semitones (half steps).
   - **OCT:** Drops tuning by a full octave.
   - **OCT+DRY:** Drops tuning by a full octave and blends in your original (dry) signal.
2. **Footswitch Mode:** Set the **MOMENTARY** switch to your preferred mode:
   - **ON (Momentary):** The effect is active only while the footswitch is held down. Releasing the footswitch bypasses the effect. This is ideal for quick pitch dives or trills.
   - **OFF (Latching):** Press the footswitch once to engage the effect, and press it again to bypass the effect. The effect remains active until you press the footswitch again.
3. **Engage/Bypass Effect:** Press the **FOOTSWITCH** to engage or bypass the pitch-shifting effect according to the selected mode. The pedal features true bypass, ensuring your signal remains unaffected when the pedal is disengaged.

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Video 2: Demonstration of the DigiTech DROP pedal's capabilities, showcasing various drop tune settings and its application in music.

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Video 3: An in-depth look at the DigiTech DROP pedal, covering its features and sound examples across different settings.

6. Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish or internal components.
- **Storage:** When not in use, store the pedal in a cool, dry place away from direct sunlight, extreme temperatures, and

high humidity.

- **Power Supply:** Always use the included 9VDC power supply or a compatible, regulated power supply. Using an incorrect power supply can damage the pedal and void the warranty.
- **Connections:** Periodically check all cable connections for secure fit and signs of wear. Replace damaged cables to prevent signal loss or noise.

7. Troubleshooting

If you encounter issues with your DigiTech DROP pedal, try the following troubleshooting steps:

- **No Sound:**
  - Ensure all cables (instrument, amplifier, power) are securely connected.
  - Verify that the power supply is correctly plugged into the pedal and a working AC outlet.
  - Check your instrument and amplifier for proper operation.
  - Test with different cables to rule out faulty connections.
- **No Effect / Pedal Not Engaging:**
  - Ensure the pedal is receiving power (LEDs should illuminate when the knob is turned).
  - If in momentary mode, ensure you are holding down the footswitch.
  - If in latching mode, press the footswitch firmly to engage.
- **Unwanted Noise/Hum:**
  - Ensure you are using a regulated 9VDC power supply. Unregulated power supplies can introduce noise.
  - Check for ground loops in your setup. Try isolating power to different pedals.
  - Ensure all instrument cables are shielded and in good condition.
  - Move the pedal away from power transformers or other sources of electromagnetic interference.
- **Incorrect Pitch Shift:**
  - Verify that the **LEVEL** knob is set to the desired pitch interval.
  - Ensure your instrument is properly intonated.

8. Specifications

Feature	Specification
Model Name	DROP
Effect Type	Polyphonic Drop Tune Pitch-Shifter
Pitch Shift Range	1 Semitone to Full Octave
Pitch Modes	9 (1-7 Semitones, Octave, Octave + Dry)
Bypass Type	True Bypass
Footswitch Modes	Momentary / Latching
Input	1/4" Unbalanced (TS)

Output	1/4" Unbalanced (TS)
Power Supply	9VDC (Included)
Current Draw	100 mA
Dimensions (L x W x H)	4.75" x 2.88" x 1.75" (12.07 cm x 7.32 cm x 4.45 cm)
Weight	16 ounces (453.6 g)
Color	Red

9. Warranty and Support

The DigiTech DROP Compact Polyphonic Drop Tune Pitch-Shifter Pedal comes with a**1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty service, technical support, or further inquiries, please contact DigiTech customer service or visit the official DigiTech website. Keep your proof of purchase for warranty claims.

Online Resources: For the latest information, FAQs, and support, please visit theDigiTech Official Store.

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