

## DigiTech XSW Synth Wah Pedal

# DigiTech XSW Synth Wah Envelope Filter Guitar Pedal

## USER MANUAL

### Introduction

Welcome to the world of unique sound manipulation with your new DigiTech XSW Synth Wah Envelope Filter Guitar Pedal. This manual provides comprehensive instructions for setting up, operating, and maintaining your pedal to ensure optimal performance and creative expression. The Synth Wah offers 7 distinct synth and envelope filter effects, allowing guitarists to explore a wide range of sonic textures, from classic wah to futuristic synth tones.



Image: Front view of the DigiTech XSW Synth Wah pedal, showcasing its controls and robust design.

## Key Features

- **7 Different Synth and Envelope Filter Sounds:** Explore a versatile palette of effects including Envelope Up, Envelope Down, Synth 1, Synth 2, Filter 1, Filter 2, and Auto Wah.
- **Adjustable Filter and Frequency Cutoffs:** Fine-tune your sound with dedicated control knobs for Sensitivity, Control, and Range.
- **Normal/Dry and Effect Outputs:** Utilize separate outputs for dry signal and processed effect, offering flexible routing options for studio or live setups.

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## Controls and Connections

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The DigiTech XSW Synth Wah pedal features intuitive controls designed for easy sound shaping:

**Sensitivity Knob:** Adjusts the input signal level required to trigger the envelope or synth effect. Higher sensitivity means the effect will respond to lighter playing.

**Control Knob:** Modifies a specific parameter of the selected effect type. Its function varies depending on the chosen synth or filter mode.

**Range Knob:** Determines the sweep range or frequency spectrum of the filter or synth effect.

**Type Knob:** A rotary switch that selects one of the 7 available synth and envelope filter effects. The settings are: 1-Env Up, 2-Env Down, 3-Synth 1, 4-Synth 2, 5-Filter 1, 6-Filter 2, 7-Auto Wah.

### Outputs:

**OUT 1 (NORMAL/DRY):** Provides the unprocessed, dry signal from your instrument.

**OUT 2 (EFFECT):** Delivers the signal processed by the Synth Wah effect.

### Input:

**IN:** Connect your instrument (guitar, bass, etc.) here.



Image: Angled view of the DigiTech XSW Synth Wah pedal, showing its input and output connections.

## Initial Setup

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1. **Power Connection:** The XSW Synth Wah pedal requires a 9-Volt DC power supply with a minimum current of 300 Milliamps. Connect the power supply to the 9V DC input jack on the pedal. Ensure the power supply is compatible to prevent damage.
2. **Instrument Connection:** Connect your guitar or instrument to the 'IN' jack on the pedal using a standard 1/4-inch instrument cable.
3. **Amplifier Connection:** Connect the 'OUT 2 (EFFECT)' jack to your amplifier's input using another 1/4-inch instrument cable. If you wish to use the dry signal separately, connect 'OUT 1

(NORMAL/DRY)' to another input or device.

4. **Power On:** Once all connections are secure, power on your amplifier and then the pedal.

## Operating Instructions

To operate your DigiTech XSW Synth Wah pedal:

- Select Effect Type:** Turn the 'Type' knob to choose one of the 7 available effects (1-Env Up, 2-Env Down, 3-Synth 1, 4-Synth 2, 5-Filter 1, 6-Filter 2, 7-Auto Wah).
- Adjust Sensitivity:** Use the 'Sensitivity' knob to control how dynamically the pedal responds to your playing. A higher setting will make the effect more responsive to subtle nuances.
- Fine-Tune with Control and Range:** Experiment with the 'Control' and 'Range' knobs. The 'Control' knob's function is specific to the selected effect type, allowing for unique variations. The 'Range' knob adjusts the frequency sweep or overall character of the effect.
- Experiment:** The true power of the Synth Wah lies in experimentation. Try different combinations of the 'Sensitivity', 'Control', and 'Range' knobs for each 'Type' setting to discover a vast array of sounds. Playing dynamics (how hard or soft you pick) will also significantly influence the effect.

## Care and Maintenance

- Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid using abrasive cleaners or solvents, as they may damage the finish or internal components.
- Storage:** Store the pedal in a cool, dry place away from direct sunlight and extreme temperatures. When not in use for extended periods, disconnect the power supply.
- Power Supply:** Always use a compatible 9V DC power supply. Incorrect voltage or polarity can cause irreversible damage to the pedal.
- Avoid Moisture:** Keep the pedal away from water and excessive humidity to prevent electrical shorts and corrosion.

## Troubleshooting

Problem	Possible Cause	Solution
No sound from pedal.	Incorrect power supply; cables not connected properly; pedal not engaged.	Ensure 9V DC power supply is connected and functional. Check all instrument cable connections. Press the footswitch to engage the effect (LED should illuminate).
Effect is weak or inconsistent.	Sensitivity knob set too low; instrument output level too low.	Increase the 'Sensitivity' knob setting. Ensure your instrument's volume is adequate.
Unwanted noise or hum.	Ground loop; faulty cables; interference from other electronics.	Use a high-quality, isolated power supply. Try different cables. Move pedal away from power transformers or other noisy equipment.

Problem	Possible Cause	Solution
Effect sounds distorted or clipped.	Input signal too hot; 'Sensitivity' knob set too high.	Reduce your instrument's output volume. Decrease the 'Sensitivity' knob setting.

### Technical Specifications

Specification	Value
Model Number	XSW Synth Wah Pedal
Dimensions (L x W x H)	6 x 3.5 x 3.5 inches
Item Weight	10.6 ounces (0.3 Kilograms)
Power Source	DC Power Supply
Voltage	9 Volts
Amperage	300 Milliamps
Signal Format	Analog
First Available	April 13, 2004

### Warranty and Support

DigiTech products are manufactured to high standards and are designed for reliable performance. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official DigiTech website. Keep your proof of purchase for any warranty claims.

For technical support, service, or additional information regarding your XSW Synth Wah pedal, please visit the official DigiTech support page or contact their customer service department. Contact information can typically be found on the DigiTech website.

*Note: Product specifications and features are subject to change without notice.*