

## SONICAKE QDS

# SONICAKE Warped Dimension Modulation Guitar Effects Pedal User Manual

Model: QDS

## 1. INTRODUCTION

The SONICAKE Warped Dimension is a versatile modulation guitar effects pedal designed to offer a range of high-quality modulation effects. This pedal combines four classic modulation modes: Chorus, Flanger, Phaser, and Tremolo, providing diverse tonal options for any musical style. It features a dedicated Tap Tempo function for real-time rate control and a specially designed buffer bypass circuit to maintain signal integrity.



Figure 1: SONICAKE Warped Dimension Modulation Guitar Effects Pedal

## 2. KEY FEATURES

- **4-in-1 Modulation:** Integrates Chorus, Flanger, Phaser, and Tremolo effects into a single pedal.
- **Classic Tones:** Reproduces legendary modulation effects.
- **Tap Tempo:** Independent footswitch for real-time rate control.
- **Buffer Bypass:** Maintains pristine sound quality when the effect is disengaged.
- **Durable Construction:** Housed in an aluminum-alloy casing for lightweight durability.

## 3. CONTROLS AND FUNCTIONS



Figure 2: Overview of Pedal Controls

1. **Mode Selector Knob:** Rotates to select one of the four modulation effects: Chorus, Flanger, Phaser, or Tremolo.
2. **DC 9V Input:** Connects to a 9V DC center-negative power supply (not included).
3. **Input Jack:** 1/4-inch audio input for your guitar or other instrument.
4. **Level Knob:** Adjusts the overall output volume of the effect.
5. **Tone Knob:** Controls the tone or brightness of the modulated signal.
6. **Depth Knob:** Adjusts the intensity or depth of the selected modulation effect.
7. **Rate Knob:** Controls the speed of the selected modulation effect. This knob is overridden by the Tap Tempo function when active.
8. **Output Jack:** 1/4-inch audio output to your amplifier or next pedal in the chain.
9. **ON/OFF Footswitch:** Engages or disengages the effect. The LED indicates the effect status (on/off).
10. **TAP Footswitch:** Used for Tap Tempo. Tap this footswitch two or more times to set the rate of the modulation effect. The LED will blink to indicate the set tempo.

## 4. SETUP

To set up your SONICAKE Warped Dimension pedal, follow these steps:

1. **Power Connection:** Connect a standard 9V DC center-negative power supply (5.5x2.1mm connector) to the DC 9V input jack (2). Ensure the power supply meets the specified voltage and polarity requirements.
2. **Instrument Connection:** Connect your guitar or other instrument to the Input Jack (3) using a standard 1/4-inch instrument cable.
3. **Output Connection:** Connect the Output Jack (8) to your amplifier or the next pedal in your signal chain using a standard 1/4-inch instrument cable.
4. **Power On:** Once all connections are secure, apply power to the pedal. The ON/OFF LED (9) will illuminate when the pedal is active.

# Warping Occurs

4-in-1 modulation effect pedal brings warping to the tone



Figure 3: DC 9V Center Negative Power Connection

## 5. OPERATING MODES

The pedal offers four distinct modulation modes, selectable via the Mode Selector Knob (1):

- **Chorus:** Produces a rich, shimmering effect by slightly detuning and delaying the original signal.
- **Flanger:** Creates a sweeping, jet-like sound by mixing a delayed, phase-shifted signal with the original.
- **Phaser:** Generates a swirling, psychedelic effect by creating phase shifts in the signal.
- **Tremolo:** Modulates the volume of the signal, creating a pulsating effect.



# Multidimensional

4 different effects: chorus, flanger, phase and tremolo, providing more choices



Figure 4: Modulation Mode Selection

## Tap Tempo Function

The Tap Tempo function allows you to set the modulation rate in real-time:

1. Engage the desired modulation effect using the ON/OFF Footswitch (9).
2. Tap the TAP Footswitch (10) two or more times in rhythm with your desired tempo. The LED on the TAP footswitch will blink to indicate the set rate.
3. The Rate Knob (7) will be overridden by the Tap Tempo setting until the pedal is powered off or the rate is manually adjusted again.

# Tap Tempo

Tap Tempo function will add accuracy to your performance



Figure 5: Tap Tempo Footswitch

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your pedal:

- Keep the pedal clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the pedal to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the pedal yourself, as this may void the warranty.
- Always use the correct power supply (9V DC center-negative) to prevent damage.

## 7. TROUBLESHOOTING

- **No Sound:** Check all cable connections (instrument, amplifier, power). Ensure the power supply is correctly connected and functioning. Verify the pedal is engaged (LED on).
- **Weak or Distorted Sound:** Check instrument and amplifier volume levels. Ensure the Level knob on the pedal is not set too low or too high. Test with different cables.
- **Effect Not Engaging:** Confirm the power supply is connected and providing power. Press the ON/OFF footswitch firmly.

- **Modulation Rate Issues:** If using Tap Tempo, ensure you have tapped the footswitch at least twice. If not using Tap Tempo, adjust the Rate knob (7).

## 8. SPECIFICATIONS

- **Model Number:** QDS
- **Item Weight:** 12.7 ounces (360 Grams)
- **Product Dimensions:** 4.88 x 3.54 x 2.16 inches
- **Connector Type:** 5.5x2.1mm center negative power connector
- **Hardware Interface:** 1/4-inch Audio
- **Signal Format:** Analog
- **Power Source:** Corded Electric
- **Voltage:** 9 Volts

## 9. PRODUCT VIDEOS

Watch these official product videos for demonstrations and further information:

### SONICAKE Modulation Guitar Effects Pedal

Your browser does not support the video tag.

*A detailed overview and demonstration of the SONICAKE Modulation Guitar Effects Pedal, showcasing its various features and sounds.*

### Sonicake Warped Dimension Guitar Effects Pedal

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*A comprehensive demonstration of the Sonicake Warped Dimension pedal, highlighting its modulation capabilities.*

### Sonicake WARPED DIMENSION - 4 in 1 Modulation Effect Pedal

Your browser does not support the video tag.

*A quick overview of the 4-in-1 modulation effects available in the Sonicake Warped Dimension pedal.*

## 10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or visit the official SONICAKE website. Keep your proof of purchase for any warranty claims.