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› TC Helicon VoiceTone D1 Doubling Detune Pedal Instruction Manual

TC Helicon 996004011

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INTRODUCTION

The TC Helicon VoiceTone D1 is a vocal effects pedal designed to add doubling and detune effects to your vocal performance. It provides various doubling styles, including single and multi-voice options, octave shifts, classic detune effects, and a group shout effect. This manual provides instructions for setting up, operating, maintaining, and troubleshooting your VoiceTone D1 pedal.

Key features include:

- Studio-quality doubling, octave, and detuning effects for live performance.
- Simple setup between your microphone and mixer.
- High-quality signal path for clear vocal processing.
- Durable enclosure designed for road use.
- Ability to chain with other VoiceTone Singles pedals.

SETUP

Follow these steps to connect your VoiceTone D1 pedal:

1. **Power Connection:** Connect the included power adapter to the "Power" input on the pedal and then to a suitable power outlet. The power LED will illuminate.
2. **Microphone Connection:** Connect your microphone to the "Mic" input (XLR) on the rear of the pedal using a standard XLR cable.
3. **Output Connection:** Connect the "Out" output (XLR) on the rear of the pedal to your mixer or audio interface using a standard XLR cable.
4. **Optional: Chaining with other VoiceTone Singles:** If you are using multiple VoiceTone Singles pedals, connect the "Out" of the first pedal to the "Mic" input of the next pedal in the chain. Ensure proper power supply for all chained units.



Image: Rear panel connections of the VoiceTone D1, including XLR inputs/outputs and power input.

Not all products
shown are
included. Shown
with optional
pedals and cables.



Image: Example of multiple VoiceTone Singles pedals chained together, demonstrating connectivity.

OPERATING INSTRUCTIONS

The VoiceTone D1 features intuitive controls for selecting and adjusting your vocal doubling and detune effects.



Image: Front panel controls of the VoiceTone D1, highlighting the Style and Dry/Wet knobs.

Controls:

- **Style Knob:** This knob selects the desired doubling or detune effect. Rotate the knob to choose from the following styles:
 - **Tight:** A subtle, close doubling effect.
 - **Loose:** A more pronounced, looser doubling effect.
 - **Group:** Simulates multiple voices for a group vocal sound.
 - **Detune:** Classic detune effect, adding a slight pitch variation.
 - **Thick:** A thicker, fuller vocal sound.
 - **Oct Up:** Adds a voice an octave higher.
 - **Oct Dn:** Adds a voice an octave lower.
 - **Shout:** A powerful, group shout effect.
- **Dry/Wet Knob:** This knob adjusts the blend between your original (dry) vocal signal and the processed (wet) effect signal.
 - Turn clockwise to increase the amount of the effect.
 - Turn counter-clockwise to decrease the amount of the effect.
- **Footswitch:** Press the footswitch to engage or bypass the selected effect. The LED indicator will show the effect

status.

Using the Effects:

Experiment with different Style settings and Dry/Wet blends to find the desired vocal enhancement. Start with the Dry/Wet knob at a lower setting and gradually increase it to avoid overwhelming the vocal signal. The VoiceTone D1 is designed to differentiate pitch-shifted voices from your lead voice, producing natural-sounding group unison effects.

MAINTENANCE

The VoiceTone D1 is built for durability. To ensure its longevity and optimal performance:

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the pedal in a dry environment, away from extreme temperatures and direct sunlight.
- **Cable Management:** Ensure all cables are connected securely and are not under undue strain. Avoid bending cables sharply.
- **Power Supply:** Always use the original or a compatible power adapter (9V DC, 0.1 Milliamps).

TROUBLESHOOTING

If you encounter issues with your VoiceTone D1, refer to the following common troubleshooting steps:

- **No Sound or Weak Signal:**
 - Check all cable connections (microphone, output, power) to ensure they are secure.
 - Verify that the pedal is powered on and the LED indicator is lit.
 - Ensure the Dry/Wet knob is not set entirely to "Dry" if you expect to hear the effect.
 - Test with different cables and microphones to rule out faulty equipment.
 - Check input levels on your mixer or audio interface.
- **Distortion in Vocal Signal:**
 - Reduce the input gain on your mixer or audio interface.
 - Lower the Dry/Wet knob setting on the D1 pedal.
 - Ensure your microphone is not overloading the input of the pedal or mixer.
 - If distortion occurs only with the effect engaged, try a different effect style or reduce the effect level.
- **"POP!" Sound When Engaging Footswitch:**
 - This can sometimes be caused by electrical transients. Try engaging the footswitch more gently.
 - Ensure all cables are high quality and properly shielded.
 - Test the pedal in a different power outlet or with a different power supply to rule out ground loop issues.

If these steps do not resolve the issue, contact TC Helicon customer support for further assistance.

SPECIFICATIONS

Feature	Specification
Model Number	996004011
Item Weight	2.25 pounds (1.02 kg)

Product Dimensions	3.35 x 6.3 x 5.51 inches (8.5 x 16 x 14 cm)
Hardware Interface	XLR (Mic In, Out)
Signal Format	Analog
Voltage	9 Volts DC
Amperage	0.1 Milliamps

WARRANTY INFORMATION

TC Helicon products are covered by a limited warranty. For detailed information regarding warranty terms, conditions, and registration, please refer to the official TC Helicon website or the warranty card included with your product. Keep your proof of purchase for warranty claims.

SUPPORT

For technical support, product updates, or additional resources, please visit the official TC Helicon website. You can find FAQs, software downloads, and contact information for customer service there.

TC Helicon Official Website: www.tchelicon.com

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