

TC Helicon 000-CGU00-00010

TC Helicon TalkBox Synth User Manual

Model: 000-CGU00-00010

1. INTRODUCTION

The TC Helicon TalkBox Synth is a guitar and vocal effects processor designed to generate classic talkbox and electronic 'talking robot' vocal effects. It also provides vocal enhancement features such as Adaptive Tone, studio-grade reverbs, and pitch correction, which can be applied even when the primary talkbox effect is disengaged. This manual provides instructions for the proper setup, operation, and maintenance of your TalkBox Synth.

2. SAFETY INSTRUCTIONS

- **Power Supply:** Use only the specified 9V DC, center-negative power supply with a minimum current rating of 670mA. Using an incorrect power supply can damage the unit and void the warranty.
- **Water and Moisture:** Do not expose this unit to rain, moisture, dripping, or splashing. Do not place objects filled with liquids on the unit.
- **Heat:** Do not place the unit near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Ventilation:** Ensure proper ventilation. Do not block any ventilation openings.
- **Servicing:** Do not attempt to service this unit yourself. Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

The TC Helicon TalkBox Synth package typically includes:

- TC Helicon TalkBox Synth Pedal
- User Manual (this document)
- *Note: Power supply and cables are often sold separately.*

4. DEVICE OVERVIEW

The TalkBox Synth pedal features a robust enclosure with clearly labeled controls and input/output jacks.



Figure 1: This image displays the TC Helicon TalkBox Synth pedal from an angled perspective, highlighting the control knobs for STYLE, TONE, and REVERB, as well as the footswitch. The MIC, OUT, and POWER inputs are visible on the top edge, and the INST THRU and INST IN jacks are on the sides.



Figure 2: A view of the TC Helicon TalkBox Synth pedal, illustrating the INST IN jack on one side and the overall compact design.

Controls and Connections:

- **MIC Input:** XLR input for connecting your vocal microphone.
- **OUT Output:** XLR output for connecting to a mixer or PA system.
- **POWER Input:** 9V DC power input.
- **INST IN:** 1/4-inch input for connecting your guitar.
- **INST THRU:** 1/4-inch output for sending your dry guitar signal to an amplifier or other effects.
- **STYLE Knob:** Selects the talkbox/synth effect type (e.g., Classic, Modern, Synth 1-4).
- **TONE Knob:** Adjusts the tonal characteristics of the vocal processing.
- **REVERB Knob:** Controls the reverb effect level and type (OFF, 100%, HALL, CLUB).
- **Footswitch:** Engages or bypasses the effects.

5. SETUP

Follow these steps to connect your TalkBox Synth:

1. **Connect Microphone:** Plug your vocal microphone into the **MIC** XLR input on the TalkBox Synth.
2. **Connect Guitar:** Connect your guitar to the **INST IN** 1/4-inch jack.
3. **Connect Output:** Connect the **OUT** XLR output to your mixer, audio interface, or PA system. If you wish to send your dry guitar signal to a separate guitar amplifier, connect the **INST THRU** 1/4-inch jack to your amplifier.
4. **Connect Power:** Connect the specified 9V DC, center-negative power supply (minimum 670mA) to the **POWER** input. Ensure the power supply is plugged into a suitable electrical outlet.

6. OPERATING INSTRUCTIONS

Power On/Off

Once connected to power, the unit is ready for use. Press the footswitch to engage or bypass the effects. An indicator light will show the status.

Effect Selection (STYLE Knob)

Rotate the **STYLE** knob to select different talkbox and synth vocal effects. The available styles include Classic, Modern, Synth 1, Synth 2, Synth 3, and Synth 4. Experiment with each setting to find the desired sound.

Tone Control (TONE Knob)

The **TONE** knob adjusts the overall brightness or warmth of your vocal sound. Turn clockwise for a brighter tone and counter-clockwise for a warmer tone.

Reverb Control (REVERB Knob)

The **REVERB** knob controls the amount and type of reverb applied to your vocals. Settings include OFF, 100% (full wet signal), HALL, and CLUB. Select the reverb type that best suits your performance environment.

Adaptive Tone and Pitch Correction

The TalkBox Synth features built-in Adaptive Tone and pitch correction. These functions automatically adjust EQ, compression, de-essing, and gate settings to optimize your vocal sound, and gently correct pitch in real-time, even when the main talkbox effect is not active.

7. MAINTENANCE

To ensure the longevity and optimal performance of your TalkBox Synth:

- **Cleaning:** Clean the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the unit in a dry, cool place away from direct sunlight when not in use.
- **Cables:** Regularly check all cables for damage and ensure secure connections.

8. TROUBLESHOOTING

No Sound/Effect

- **Check Power:** Ensure the correct 9V DC, 670mA (minimum) power supply is connected and functioning. A blinking red light may indicate insufficient power.
- **Check Connections:** Verify all microphone, guitar, and output cables are securely connected.

- **Footswitch Status:** Ensure the effect is engaged (indicator light on).
- **Firmware:** In rare cases, a firmware update may be required to resolve functionality issues. Refer to the manufacturer's website for firmware update tools and instructions.

Hiss or Buzz

- **Grounding:** Ensure all equipment in your signal chain is properly grounded.
- **Cables:** Use high-quality, shielded cables.
- **Power Supply:** An inadequate or noisy power supply can introduce unwanted noise. Ensure you are using the recommended power supply.

9. SPECIFICATIONS

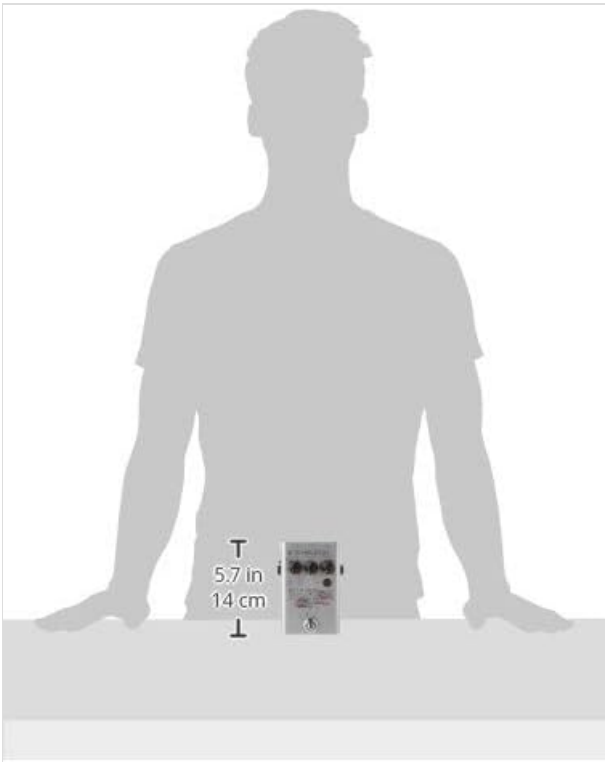


Figure 3: This diagram illustrates the physical dimensions of the TC Helicon TalkBox Synth pedal, indicating a height of 5.7 inches (14 cm).

Feature	Specification
Product Dimensions	5.31 x 3.46 x 2.4 inches
Item Weight	14.8 ounces (0.42 Kilograms)
Model Number	000-CGU00-00010
Manufacturer	TC HELICON
Voltage	240 Volts (Internal processing, requires 9V DC external supply)
Amperage	0.1 Milliamps (Internal processing, requires 670mA external supply)
First Available Date	June 2, 2017

10. WARRANTY INFORMATION

TC Helicon products are covered by a limited warranty. The specific terms and duration of the warranty may vary by region and product. Please retain your proof of purchase. For detailed warranty information, including coverage and how to make a claim, please visit the official TC Helicon website or contact their customer support.

11. SUPPORT

For technical assistance, product registration, or further inquiries, please visit the official TC Helicon support website. You can typically find FAQs, software updates, and contact information for customer service there.

Website: www.tchelicon.com