

TC Helicon 996371001

TC Helicon HARMONY SINGER Vocal Effects Stompbox Instruction Manual

Model: 996371001

1. INTRODUCTION

The TC Helicon HARMONY SINGER is a compact vocal effects stompbox designed to enhance vocal performances with guitar-controlled harmony, reverb, and adaptive tone processing. This device integrates seamlessly into your existing setup, providing professional-grade vocal effects in an easy-to-use format. It is suitable for musicians seeking to add depth and polish to their live or studio vocals.

2. KEY FEATURES

- **Guitar-Controlled Harmony:** Automatically generates one or two voices of realistic vocal harmony, guided by the chords played on your guitar.
- **Studio-Quality Reverb:** Features three distinct reverb styles (Room, Club, Hall) to add spaciousness and depth to your vocals.
- **Adaptive Tone:** Intelligent processing that automatically adjusts EQ, compression, de-essing, and gating for optimal vocal clarity and presence.
- **Intuitive Controls:** Simple, user-friendly interface allows for quick adjustments and ease of operation.
- **Flexible Harmony Modes:** Supports both momentary and latched harmony modes for precise control over when harmonies are active.
- **Battery-Powered Operation:** Can be powered by 4 AA batteries for portability, or an optional 9V power supply.

3. SETUP GUIDE

Follow these steps to set up your HARMONY SINGER stompbox:

1. **Power Connection:** Insert 4 AA batteries into the battery compartment or connect an optional 9V DC power adapter (not included) to the POWER input. The power LED will illuminate.
2. **Microphone Connection:** Connect your microphone to the MIC input using an XLR cable.
3. **Output Connection:** Connect the OUT jack to your mixer or amplifier using an XLR cable.
4. **Instrument Connection:** Connect your guitar to the INST IN jack using a 1/4-inch audio cable. This input is crucial

for the guitar-controlled harmony feature.

5. **Instrument Thru (Optional):** If you wish to send your guitar signal directly to another pedal or amplifier without processing, use the INST THRU output.
6. **Mic Gain Adjustment:** Use the MIC GAIN knob on the side of the unit to adjust your microphone input level. Ensure the signal is strong but not clipping.
7. **Ground Lift (Optional):** If you experience hum or noise, use the GRND LIFT switch to break ground loops.



Figure 1: Front view of the TC Helicon HARMONY SINGER, showing the Harmony, Level, and Reverb knobs, along with the Tone button and footswitch.



Figure 2: Side view of the TC Helicon HARMONY SINGER, highlighting the Mic Gain control, Ground Lift switch, and Instrument Thru output.

4. OPERATING INSTRUCTIONS

Once connected, operate your HARMONY SINGER using the following controls:

- **Harmony Knob:** This knob selects the harmony interval(s) relative to your lead vocal and guitar chord. Options include various intervals above and below, as well as combinations for richer harmonies. Rotate the knob to select your desired harmony type.
- **Level Knob:** Adjusts the volume of the generated harmony voices. Turn clockwise to increase harmony volume, counter-clockwise to decrease.
- **Reverb Knob:** Controls the amount and type of reverb applied to your vocals.
 - Turn counter-clockwise to "OFF" for no reverb.
 - Rotate clockwise to select between "RM" (Room), "CLUB", and "HALL" reverb styles, increasing the effect as you turn.
- **TONE Button:** Activates or deactivates the Adaptive Tone feature. When active (LED illuminated), this feature automatically optimizes your vocal sound with EQ, compression, de-essing, and gating. Press the button to toggle this feature.
- **Footswitch:** Toggles the harmony effect on and off. Press once to activate/deactivate.

Your browser does not support the video tag.

Video 1: Demonstration of the TC Helicon Harmony Singer's features, including harmony types, reverb settings, and tone control. This video provides an overview of the pedal's functionality and sound capabilities.

5. MAINTENANCE

To ensure the longevity and optimal performance of your HARMONY SINGER, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid abrasive cleaners or solvents.

- **Storage:** Store the pedal in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Replacement:** If using batteries, replace all 4 AA batteries when the power LED dims or the unit stops functioning correctly. Always use fresh batteries of the same type.
- **Cable Care:** Regularly check all cables (XLR, 1/4-inch audio, power) for damage. Replace frayed or damaged cables to prevent signal loss or electrical issues.
- **Avoid Moisture:** Keep the unit away from liquids and moisture to prevent damage to internal components.

6. TROUBLESHOOTING

If you encounter issues with your HARMONY SINGER, consult the following table:

Problem	Possible Cause	Solution
No sound output.	Incorrect cable connections, low battery, power off.	Verify all cables are securely connected. Check battery level or power adapter. Ensure the unit is powered on.
No harmony effect.	Harmony footswitch off, guitar not connected/playing, Harmony knob set to 'OFF'.	Press the footswitch to activate harmony. Ensure your guitar is connected and playing chords. Check the Harmony knob setting.
Humming or buzzing noise.	Ground loop, faulty cable.	Engage the GRND LIFT switch. Try different cables. Ensure proper grounding of all equipment.
Harmony sounds incorrect or out of tune.	Guitar input not clear, incorrect Harmony knob setting.	Ensure your guitar signal is clean and clear. Verify the Harmony knob is set to the desired interval. The unit relies on clear guitar chord detection.

7. SPECIFICATIONS

- **Model Number:** 996371001
- **Dimensions (L x W x H):** 6.4" x 5" x 2.85" (approx. 16.26 cm x 12.7 cm x 7.24 cm)
- **Weight:** 1.1 Pounds (approx. 0.5 kg)
- **Body Material:** Metal
- **Color:** Blue, Silver
- **Connector Types:** XLR (Mic In, Out), 1/4-inch Audio (Inst In, Inst Thru)
- **Power Source:** 4 AA Batteries or 9V DC Power Adapter (not included)
- **Voltage:** 9V
- **First Available Date:** November 15, 2011

8. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official TC Helicon website or contact your local dealer. Keep your proof of purchase for any warranty claims.
Online resources and FAQs may also be available on the [TC Helicon website](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question