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## Stax LEF-3807

# Stax Harmonizer Guitar Pedal (Model LEF-3807) Instruction Manual

Brand: Stax | Model: LEF-3807

## 1. Introduction

The Stax Harmonizer Guitar Pedal is a compact digital effect pedal designed for electric guitar and bass. It offers precise polyphonic pitch shifting with 44.1k 24bit sampling and 32-bit true floating point DSP. This manual provides essential information for setting up, operating, and maintaining your Harmonizer pedal.

The pedal features three distinct effects modes: Harmony, Pitch Shift, and Detune, allowing for a wide range of tonal possibilities. Its mini size and durable zinc alloy construction make it suitable for various musical environments.

## 2. Setup

### 2.1 Unpacking

Carefully remove the Harmonizer Pedal from its packaging. Ensure all components are present:

- 1x Harmonizer Pedal
- 1x User Manual (this document)
- 1x Packing Box

### 2.2 Power Connection

The pedal requires a 9V DC adapter (center minus plug). This adapter is**not included** in the package. Connect the adapter to the DC 9V input jack on the pedal.

### 2.3 Audio Connections

1. Connect your guitar or bass to the**INPUT** 1/4" monaural jack.
2. Connect the **OUTPUT** 1/4" monaural jack to your amplifier or other effects pedals.




DETUNE
DOWN
DRY
WET
4
5
6
7
8
9
1 OCT
2 OCT
RANGE
HARMONIZER
stax
TRUE BYPASS



Image: Top-down view of the Stax Harmonizer pedal, showing the input and output jacks, power input, and control knobs.

## 3. Operating Instructions

The Stax Harmonizer pedal features intuitive controls for shaping your sound. Familiarize yourself with each control for optimal performance.

### 3.1 Controls Overview

- **TRUE BYPASS Footswitch:** Press once to switch between original sound (bypass) and effect sound. Long press to store current parameters.
- **LED Indicator Light:**
  - Green light: Normal mode, knobs adjust parameters.
  - Red light: Fixed mode, knobs cannot be used; uses stored parameters.
- **RANGE Knob:** Adjusts the range of the pitch shifting sound.
- **WET Knob:** Adjusts the volume of the wet (effected) signal.
- **DRY Knob:** Adjusts the volume of the dry (original) signal.
- **MODE Switch:** Selects between UP, DETUNE, and DOWN modes.

### 3.2 Effects Modes

The pedal offers three primary effects modes via the MODE switch:

- **Harmony:** Creates a rich harmonic voice.
- **Pitch Shift:** Outputs a precise polyphonic pitch shifting voice.
- **Detune:** Creates a chorus-like effect. The adjustable range in Detune Mode is: -25/-20/-15/-10/-5/0/+5/+10/+15/+20/+25 cents.




Image: Angled view of the Stax Harmonizer pedal, highlighting the DRY, WET, and RANGE knobs, as well as the MODE switch and TRUE BYPASS footswitch.

### 3.3 Saving Presets

To save your current settings as a preset:

1. Adjust the knobs and switch to your desired sound.
2. Long press the **TRUE BYPASS** footswitch until the LED indicator changes from green to red. This indicates the settings are saved in Fixed Mode.
3. In Fixed Mode (red LED), the physical knob positions will not affect the sound; the pedal will use the stored parameters.
4. To return to Normal Mode (green LED) and use the physical knob settings, press the footswitch twice.

## 4. Product Features

- **Harmonizer Guitar Effects Pedal:** Supports 3 effects knobs and 1 switch for accurate and sensitive control.
- **Wide Adjustable Range:** Detune Mode offers a range of -25/-20/-15/-10/-5/0/+5/+10/+15/+20/+25 cents.
- **3 Effects Modes:** Harmony, Pitch Shift, and Detune for versatile sound shaping.

- **Portable Design:** Mini body size and lightweight, ideal for outdoor gigs. Powered by a DC 9V adapter (not included).
- **Reliable Quality:** Constructed from high-quality zinc alloy for durability and sturdiness. Features an LED indicator for looper status and true bypass functionality.

## 5. Specifications

| Feature | Specification |
|---|---|
| Input | 1/4” monaural jack (impedance: 470k Ohms) |
| Output | 1/4” monaural jack (impedance: 100 Ohms) |
| Power Supply | 9V DC adapter (center minus plug) |
| Current Draw | 128 mA |
| Dimensions (D x W x H) | 95mm x 45mm x 53mm (3.74 x 1.5 x 1.38 inches) |
| Weight | 278g (9.6 ounces) (with box) |
| Body Material | Zinc Alloy |
| Sampling Rate | 44.1k 24bit |
| DSP | 32-bit true floating point |

## 6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid abrasive cleaners or solvents.
- **Storage:** Store the pedal in a dry environment away from extreme temperatures and direct sunlight.
- **Power:** Always disconnect the power adapter when the pedal is not in use for extended periods.
- **Connections:** Periodically check all cable connections for wear and tear to ensure optimal signal integrity.

## 7. Troubleshooting

- **No Sound:**
  - Ensure the power adapter is correctly connected and functioning.
  - Check all audio cables for proper connection and integrity.
  - Verify that the DRY and WET knobs are not set to minimum.
  - If in Fixed Mode (red LED), ensure the stored parameters are not muting the sound. Try switching back to Normal Mode (green LED) by double-pressing the footswitch.
- **Unwanted Noise/Hum:**
  - Use a regulated 9V DC power supply specifically designed for guitar pedals.
  - Ensure all cables are shielded and in good condition.
  - Try isolating the pedal from other electronic devices that might cause interference.
- **Effect Not Engaging:**
  - Press the TRUE BYPASS footswitch to toggle the effect on/off. The LED should illuminate when the effect is active.

- Check the MODE switch position and the RANGE knob setting.

## 8. Media Gallery

### 8.1 Product Images




Front view of the Stax Harmonizer pedal, showcasing its compact design and control layout.




Top-down view of the Stax Harmonizer pedal, clearly showing the DRY, WET, and RANGE knobs, the MODE switch, and the TRUE BYPASS footswitch.




Angled view of the Stax Harmonizer pedal, providing a perspective of its side jacks and overall build.

### 8.2 Official Product Videos

**Stax Harmonizer Effect Pedal Overview**

Your browser does not support the video tag.

Video: An official demonstration of the Stax Harmonizer Effect Pedal by Stax Music, showcasing its features and various sound capabilities.

## 9. Warranty and Support

For warranty information and customer support, please refer to the documentation included with your purchase or contact Stax customer service directly. Keep your proof of purchase for any warranty claims.

For further assistance or technical inquiries, please visit the official Stax Music website or contact their support team.

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