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## LEKATO Harmonizer

# LEKATO Mini Pitch Shifter Pedal User Manual

Model: Harmonizer

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## INTRODUCTION

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Thank you for choosing the LEKATO Mini Pitch Shifter Pedal. This compact and versatile harmonizer pedal offers three distinct effects modes: Harmony, Pitch Shift, and Detune. Designed for electric guitar and bass, it provides a wide range of pitch manipulation options to enhance your musical expression. Its robust metal construction and true bypass ensure durability and signal integrity.

## SETUP

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### Connecting the Pedal

- Power Supply:** Connect a standard DC 9V AC adapter (center-negative, not included) to the DC IN jack on the top of the pedal. Ensure the power supply meets the specified voltage and polarity requirements.
- Input:** Connect your electric guitar or bass to the 1/4-inch mono audio input jack on the right side of the pedal using a standard instrument cable.
- Output:** Connect the 1/4-inch mono audio output jack on the left side of the pedal to your amplifier or other effects pedals using a standard instrument cable.



Figure 1: Overview of the LEKATO Mini Pitch Shifter Pedal with labeled connections and controls.



Figure 2: Detailed view of the DC 9V power input jack.

## OPERATION

### Controls and Functions

- **True Bypass Footswitch:** Press down the footswitch to toggle between the effect on and bypass status. The LED indicator shows the current status.
- **ON/OFF LED:** Illuminates when the effect is engaged.
- **Mode Switch:** This toggle switch selects between Harmony, Pitch Shift, and Detune modes.
- **Pitch Knob:** Adjusts the range of the pitch shifting sound.



Figure 3: The True Bypass footswitch and ON/OFF LED indicator.

## EFFECTS MODES

The LEKATO Mini Pitch Shifter Pedal features three versatile effects modes:

- **Harmony:** This mode shifts the pitch and mixes it back with the original signal, creating rich, layered harmonic

sounds.

- **Pitch Shift:** This mode outputs a precise polyphonic pitch-shifting voice, providing 100% wet output for quick tuning adjustments or dramatic pitch changes.
- **Detune:** This mode slightly shifts the pitch and mixes it back with the original signal, adding subtle, textured variations to your tone.



Figure 4: Visual representation of the three effects modes.

## 16 CUSTOMIZABLE PARAMETERS

The Pitch knob allows you to select from 16 optional parameters, offering a  $\pm 2$  octave pitch range for Harmony/Pitch Shift and a  $\pm 40$  cents range for Detune. Refer to the table below for detailed parameter descriptions:

Panel Description	Harmony / Pitch Shift	Detune	Panel Description	Harmony / Pitch Shift	Detune
-24	-24 semitones	-40 cents	1	+1 semitone	+5 cents
-12	-12 semitones	-35 cents	2	+2 semitones	+10 cents
-9	-9 semitones	-30 cents	3	+3 semitones	+15 cents
-7	-7 semitones	-25 cents	5	+5 semitones	+20 cents
-5	-5 semitones	-20 cents	7	+7 semitones	+25 cents
-3	-3 semitones	-15 cents	9	+9 semitones	+30 cents
-2	-2 semitones	-10 cents	12	+12 semitones	+35 cents
-1	-1 semitone	-5 cents	24	+24 semitones	+40 cents

Table 1: Pitch and Detune Parameter List.



Figure 5: The Pitch knob for adjusting parameters.

## SPECIFICATIONS

Feature	Detail
Effects Modes	3 (Harmony, Pitch Shift, Detune)
Input	1/4" monaural jack (impedance: 470k Ohms)
Output	1/4" monaural jack (impedance: 100 Ohms)
Power Requirements	AC adapter 9V DC (center minus plug)
Current Draw	128 mA
Dimensions	93.5mm (D) × 42mm (W) × 52mm (H)
Weight	170g
Accessories	Owner's Manual
Body Material	Aluminum alloy
Color	Blue Pitch Box

Table 2: Technical Specifications.

## MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the pedal. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the pedal in a cool, dry place away from direct sunlight and extreme temperatures.
- **Power:** Always use a DC 9V center-negative power adapter. Disconnect power when not in use for extended periods.
- **Physical Care:** Avoid dropping the pedal or subjecting it to strong impacts to prevent damage to the internal circuitry and casing.

## TROUBLESHOOTING

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- **No Sound:**
  - Ensure all cables (input, output, power) are securely connected.
  - Verify the power adapter is functioning correctly and meets the DC 9V center-negative specification.
  - Check if the footswitch LED is illuminated, indicating the effect is active. If not, press the footswitch.
- **Weak or Distorted Sound:**
  - Check your instrument and amplifier settings.
  - Ensure the power supply provides sufficient current (128mA minimum).
  - Test with different cables to rule out faulty connections.
- **Unwanted Noise:**
  - Ensure you are using an isolated power supply to minimize noise.
  - Keep the pedal away from strong electromagnetic interference sources.

## PRODUCT VIDEOS

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## LEKATO Pitch Box Harmonizer Guitar Pedal Demo

Your browser does not support the video tag.

*This video demonstrates the various sounds and effects achievable with the LEKATO Pitch Box Harmonizer Guitar Pedal. It showcases the pedal's functionality and tone in different settings.*

## How good could it be? - LEKATO Pedal Review

Your browser does not support the video tag.

*This video provides a review and demonstration of the LEKATO pedal, exploring its capabilities and sound quality. It offers insights into its performance and potential applications.*

## WARRANTY & SUPPORT

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For warranty information and technical support, please refer to the official LEKATO website or contact their customer service. Details can typically be found in the packaging or on the manufacturer's website.

**Manufacturer:** Shenzhen LeYin Technology Co., Ltd

**Website:** [www.vangoa.com](http://www.vangoa.com) (Note: The provided data lists vangoa.com, please verify with product packaging for LEKATO specific support if different).

**Email:** CS@vangoa.com