

Generic B0DPB69K1L

# Double OS1 Resonance Pickup On-Board Preamp SFT Same Frequency Trans Guitar Preamplifier System User Manual

Model: B0DPB69K1L

## 1. INTRODUCTION

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The Double OS1 Resonance Pickup On-Board Preamp is an innovative guitar preamplifier system designed to enhance acoustic guitar sound. It features a unique Same Frequency Trans (SFT) transmission device that drives the guitar body to resonate, producing a more resonant, solid, and dynamic sound even without an external amplifier. This system integrates a dual-pickup setup, combining a piezo pickup and a microphone, to capture every detail of your playing. It also includes built-in reverb, chorus, and delay effects, along with Bluetooth connectivity for accompaniment.

## 2. PACKAGE CONTENTS

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Please verify that all components are present in the package:

- 1 x Pickup Unit
- 1 x End-Pin Jack
- 1 x Vibrating Horn
- 1 x Pickup Wire
- 1 x Type-C Cable
- 2 x Clips

# RANDOM DELIVERY



OR



Figure 2.1: Included components of the Double OS1 Resonance Pickup system. Note that the pickup wire and vibrating horn may vary in appearance (random delivery).

### 3. INSTALLATION (REQUIRES OPENING HOLES)

This is an on-board preamplifier system that requires permanent installation into your guitar. This process involves opening holes in the guitar body to accommodate the pickup unit and end-pin jack. Professional installation by a qualified luthier or guitar technician is highly recommended to prevent damage to your instrument.

The main unit is designed to be mounted on the side of the guitar, providing easy access to controls. The end-pin jack replaces the existing end-pin, serving as both a strap button and an output for connecting to an amplifier or PA system.

## Note:

This is an on-board preamp, which needs opening holes to installation system



Figure 3.1: The preamp unit installed on a guitar, demonstrating its on-board nature and the necessity for guitar modification.



Figure 3.2: The preamp unit seamlessly integrated into the guitar body.

## 4. OPERATING INSTRUCTIONS

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### 4.1. Powering On/Off and Charging

The preamp is equipped with a 2000mAh rechargeable Li-ion battery. To charge the unit, connect the provided Type-C cable to the Type-C interface on the preamp and a suitable USB power source. The charging rate is increased by 50% for faster charging.

## *Ultra Long Range Lithium Battery*

Equipped with a 2000mAh ultra large capacity battery and strong battery life, equipped with a Type-C high-speed charging interface, the charging rate is increased by 50%, with less waiting, capturing every music inspiration



Figure 4.1: Charging the preamp via the Type-C port.

### **4.2. Controls and Functions**

The main control dial and surrounding buttons allow for easy adjustment of various parameters:



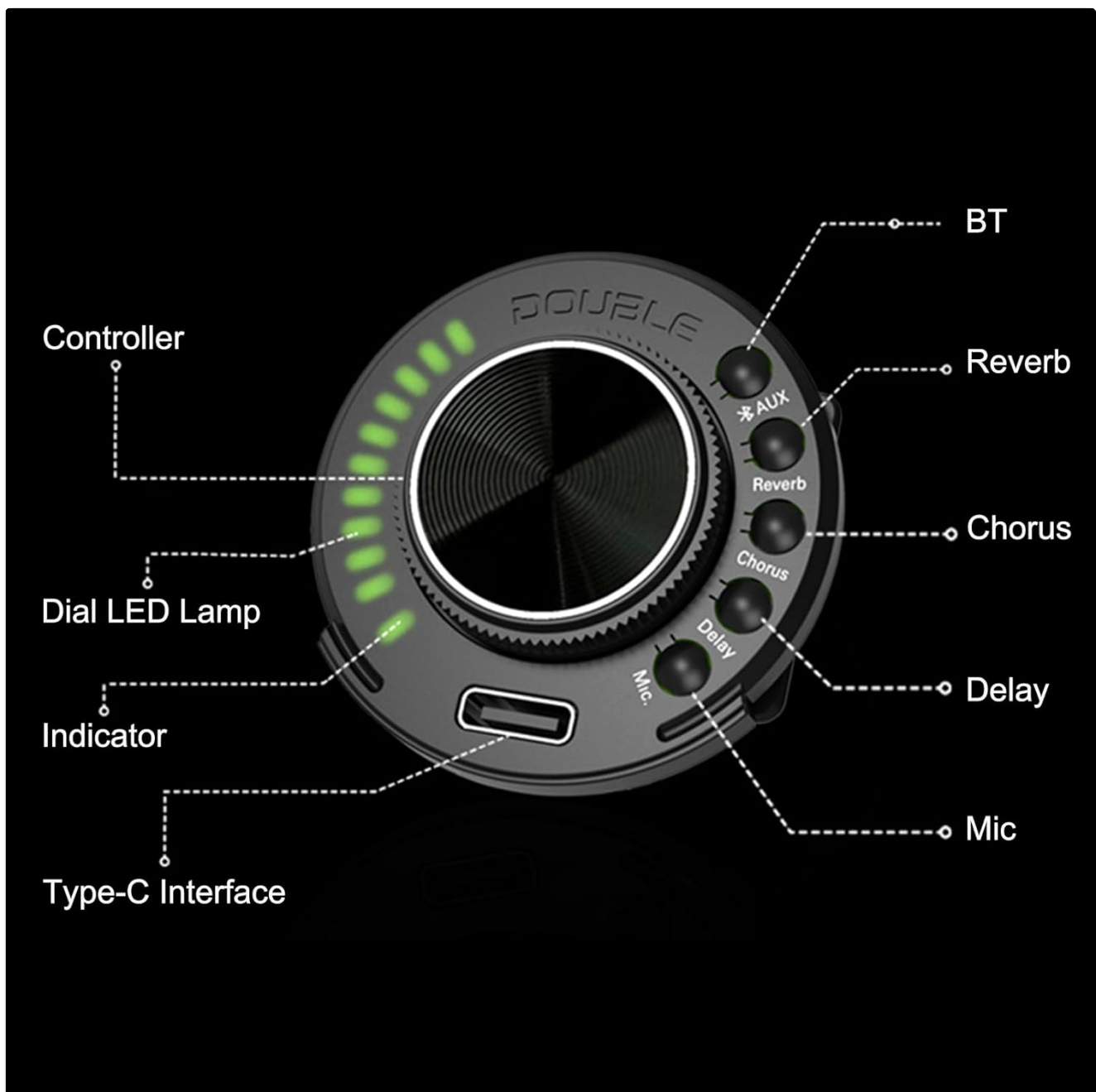


Figure 4.2: Overview of the preamp controls.

- **Controller:** Main rotary dial for adjusting volume and navigating settings.
- **Dial LED Lamp / Indicator:** Provides visual feedback on settings and battery status.
- **Type-C Interface:** Used for charging the internal battery.
- **BT (Bluetooth):** Activates Bluetooth 5.0 connectivity for pairing with external devices (e.g., smartphone) to play background music or accompaniment.
- **AUX:** Likely an auxiliary input or function related to external audio.
- **Reverb:** Controls the reverb effect, adding spatial depth to the guitar sound.
- **Chorus:** Controls the chorus effect, creating a thicker, modulated sound.
- **Delay:** Controls the delay effect, producing echoes of the guitar sound.
- **Mic:** Adjusts the level or activates the internal microphone pickup.

### 4.3. SFT (Same Frequency Trans) Technology

The SFT system utilizes a transmission device to vibrate the guitar body, enhancing its natural resonance. This feature allows the guitar to produce a louder, more vibrant sound without requiring an external amplifier. The system picks up the guitar's sound and uses the transmission device to drive the guitar body, increasing its frequency

response and making the sound more resonant, solid, and dynamic.

#### 4.4. Dual-Pickup System

The preamp incorporates a dual-pickup system consisting of a piezo pickup and a microphone. This combination ensures that every nuance of your playing is captured, adding richness and dynamics to the guitar's amplified sound. The microphone component requires connection to a speaker system to be effective.

#### 4.5. Digital Signal Processing (DSP)

The system features advanced scientific circuit design with DSP (Digital Signal Processing) for enhanced acoustic dynamics and digital gain output. This ensures high-quality sound processing for the integrated effects and overall output.



Figure 4.3: Internal components and advanced circuit design.

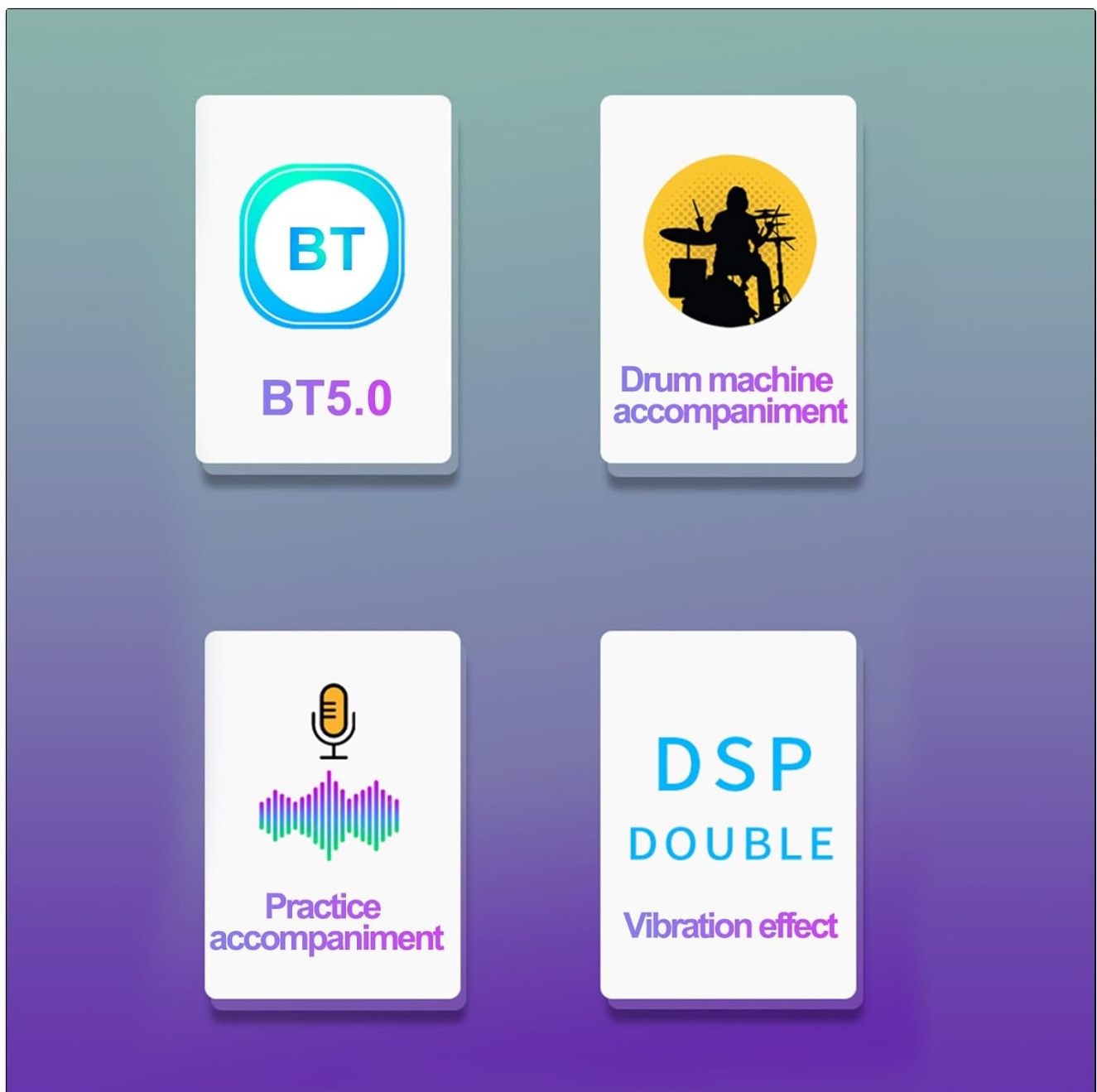


Figure 4.4: Key features including Bluetooth, accompaniment, and DSP vibration effects.

## 5. MAINTENANCE AND CARE

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- Keep the unit clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- Protect the unit from extreme temperatures, humidity, and direct sunlight.
- Avoid dropping the unit or subjecting it to strong impacts.
- Ensure the Type-C charging port is free of dust and debris.
- If the unit will not be used for an extended period, charge the battery periodically to maintain its health.

## 6. TROUBLESHOOTING

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- **No Sound Output:**
  - Ensure the unit is powered on and sufficiently charged.
  - Check all cable connections, including the end-pin jack to your amplifier/PA system.
  - Verify that the volume on the preamp and your amplifier is turned up.



- If using the microphone pickup, ensure it is connected to a speaker system for effectiveness.
- **Bluetooth Connection Issues:**
  - Ensure the preamp's Bluetooth function is activated.
  - Make sure your external device's Bluetooth is on and discoverable.
  - Move the devices closer to each other to ensure they are within range.
  - Try unpairing and re-pairing the devices.
- **Effects Not Working:**
  - Check the effect level controls (Reverb, Chorus, Delay) on the preamp.
  - Ensure the unit is properly installed and receiving signal from the guitar.
- **Battery Not Charging:**
  - Verify the Type-C cable is securely connected to both the preamp and the power source.
  - Try a different Type-C cable or power adapter.
  - Ensure the power source is functional.

## 7. SPECIFICATIONS

Feature	Specification
Material	ABS
Battery	1 x 2000mAh rechargeable Li-ion battery
Item Size (Preamp Unit)	90 * 50 * 45mm / 3.54 * 1.97 * 1.77in
Item Weight (Preamp Unit)	207g / 7.30oz
Package Weight	357g / 12.59oz
Package Size	17.5 * 12 * 6cm / 6.89 * 4.7 * 2.36in
Connectivity	Bluetooth 5.0, Type-C (charging)
Effects	Reverb, Chorus, Delay
Pickup System	Dual-pickup (Piezo and Microphone)
Special Features	SFT (Same Frequency Trans) technology, DSP



Figure 7.1: Dimensions of the preamp unit.

## 8. WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in the available documentation. For any warranty claims, technical support, or service inquiries, please contact the seller or manufacturer directly through your purchase platform. Retain your proof of purchase for any support requests.