



# LEPY S51T Class-T Digital Hi-Fi Amplifier User Manual

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## LEPY S51T Class-T Digital Hi-Fi Amplifier User Manual



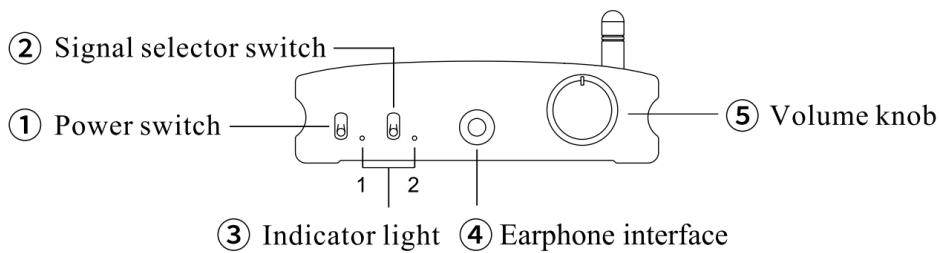
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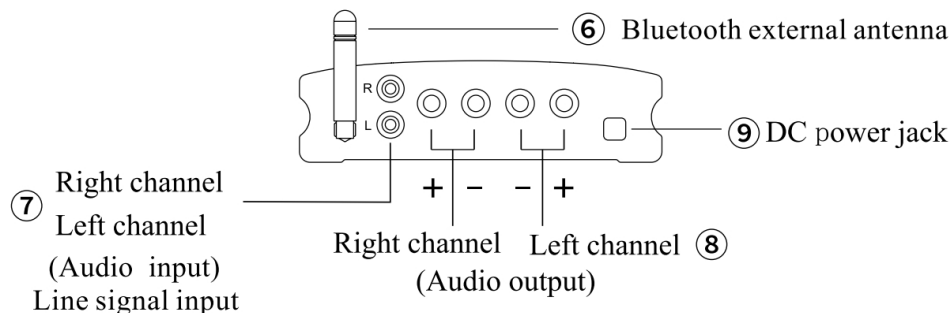
### Preface

Dear customer, thank you buying & using " **LEPY** " product, in order to get a complete understanding of this product, please read the manual and warranty certificate carefully before you use it. I wish you a pleasant experience!

## Product diagram



### Front view



### Top view

## Product characteristics

1. Class T digital audio power IC TP2051 of American TRIPATH is adopted as power output.
2. With high efficiency power supply filter circuit.
3. The Bluetooth module of British CSR4.2 version and aptX technology are adopted for lossless transmission.  
The audio to be transmitted is re-encoded and decoded to significantly reduce the bit rate without affecting the sound quality and causing delay in transmission.
4. Excellent front-end power supply circuit and the implementation of operational amplifier  $\pm$  voltage supply make the sound more transparent and mellow.
5. With low-noise headphone amplifying drive circuit.
6. The high-quality operational amplifier NE5532 (made in Mexico) as the preamp to guarantee the quality of the sound.
7. It is made with excellent technique and CNC machining. The shell is made of anodized aluminum alloy.

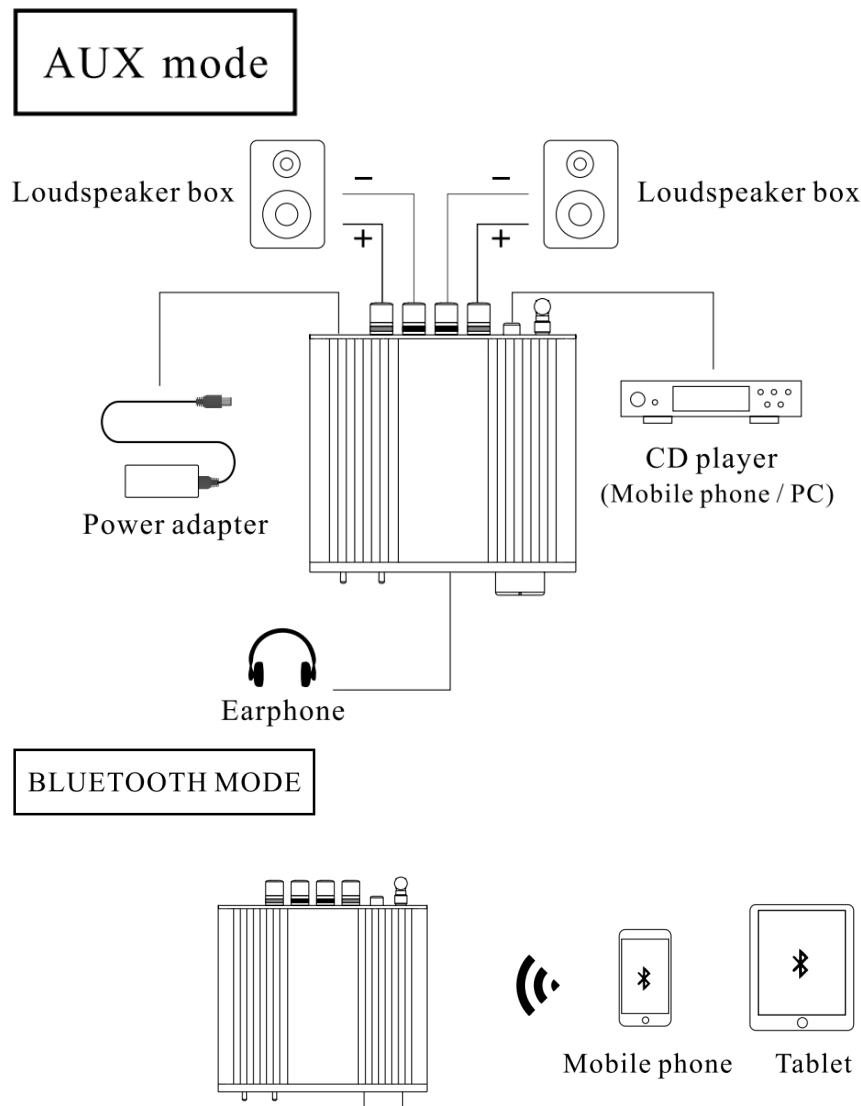
## Function description

1. **Power switch:** The button "ON" means turning on and "OFF" means turning off.
2. **Signal selection switch:** The button "BLUETOOTH" means turning on Bluetooth and "LINE" means the line input.
3. **Indicator light 1:** Plug in the power adapter. When the switch is in "OFF", the indicator light is red and the machine is in the standby state. When the switch is in "ON", the indicator turns yellow and the machine is in the start-up state.  
**Indicator light 2:** When the switch is in "BLUETOOTH", the Bluetooth indicator lights up and the machine is in

the Bluetooth mode.

4. **Headphone jack:** After plugging in the headphone, the speaker is automatically muted. and then, the music is output to the headphone.
5. **Sound volume rotary knob:** It can adjust the sound volume (The orange backlight appears when it is the AUX line input; The orange backlight turns blue backlight after it is paired successfully in Bluetooth mode.)
6. **Bluetooth external antenna:** It is used to receive Bluetooth signal.
7. **Left/Right channel audio input:** The red head of two to one audio line shall be inserted into the red socket, the white head shall be inserted into the white socket and 3.5 audio head shall be inserted into the mobile phone, CD player or computer, etc.
8. **Left/Right channel audio output:** Connect the positive/negative electrode of the sound box according to color (Red means the positive electrode and black means the negative electrode).
9. **DC power socket**

## Connection Diagram



## Operation description

### Switch on/off

- When using it for the first time, connect the sound box and signal input line according to the schematic

diagram, and then connect the DC power line to the host. After that, connect the power supply and turn the power switch to turn on the machine. When the power indicator turns from red to yellow, the machine is turned on. Open the player to enjoy the wonderful music experience brought by the amplifier LP-S5 1T.

## **Connect headphone**

- When plugging the headphone into the host, the sound box is automatically muted and the output is switched to the headphone for playing. When removing the headphone, it automatically switches to the sound box for playing.

## **Bluetooth matching**

- Place the product near a Bluetooth mobile phone at a distance within 10 meters of the effective distance.
- Make sure that the product is turned on
- Turn the signal selection switch to Bluetooth, and then the signal light 2 lights up in blue flashing. The music knob lights up in blue backlight, while the Bluetooth is waiting for connection. And then, turn on the Bluetooth switch in the devices with Bluetooth function, such as mobile phone IPAD, etc. Select “LP-S5 1 T” among the search results and click on the device name to complete the connection pairing. At the moment, the voice prompts “Drop”. After it is paired successfully, the signal light 2 becomes the aircraft light and slow flashing when playing. After pausing, it becomes the aircraft light.  
aircraft light(It is in a cycle of flashing twice a second and pausing for two seconds). (If the connection is not successful, please check a and b items)
  - **a.** Check if the Bluetooth of the mobile phone is successfully connected to the wireless device
  - **b.** Check if Bluetooth is connected to other phone
- When the mobile phone (IPAD) is paired with the amplifier, the blue light of the signal light 2 becomes flashing quickly, while other Bluetooth devices can search for this device. It becomes the aircraft light after connecting successfully.
- When restarting the paired mobile phone or the product at the same time, the product will automatically enter the connection function state and automatically connect to the Bluetooth device that was connected last time.
- When the phone exceeds the rang of 10 meters of the product, the blue light will turn to fast flashing for 30S. If it is not connected after 30S, it will light up for a long time and will automatically connect after returning to the effective distance. It becomes the aircraft light after connecting successfully.

## **Environmental protection instructions**

The parts of this product are made of non-toxic and harmless environmental protection materials. The parts containing toxic and harmful substances or elements are all limited by the global technical level and cannot be toxic or harmful.

## **About this operation manual**

The operation manual is owned by Shenzhen Lepy Audio Music Technology Electronics Co., Ltd. If the content of the book is inconsistent with the actual product, please refer to the actual product. If you have any content or objection to any of the contents of the statement, you may not know or disagree. In the course of using the product, if you encounter any problems, please feel free to contact us!

## Packing list

- Product X 1
- Operation manual X 1
- Warranty card X 1
- Audio line x 1
- 6.35 Turn 3.5 converter head x 1
- Power adapter X 1

## Product specification

- **Product model:** LP-S51T
- **Input power:** DC12-24V..?-3A
- **Output power:** 50W X 2RMS
- **Speaker impedance:** 4-8 Ω
- **Frequency response:** 20Hz—20kHz
- **Total harmonic distortion:** <0.4% SNR: >80dB
- **Bluetooth name:** LP-S51T
- **Bluetooth edition:** 4.2
- **Bluetooth protocol:** AVRCP1.6, A2DP1.3
- **Size (mm):** L171 x W136 x H38
- **Forward transmission distance:** 10m

## Warranty Card

User phone:		Machine No.:	Purchase date:	
User name:	User add:	Product model	Sold by:	Remarks:

## FCC Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

measures:


- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### Radiation Exposure Statement

To comply with FCC RF exposure compliance requirements, this grant is applicable to only mobile configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.



### Documents / Resources

	<p><a href="#">LEPY S51T Class-T Digital Hi-Fi Amplifier</a> [pdf] User Manual LP-S51T, LPS51T, 2A62F-LP-S51T, 2A62FLPS51T, S51T Class-T Digital Hi-Fi Amplifier, S51T, Class-T Digital Hi-Fi Amplifier</p>
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