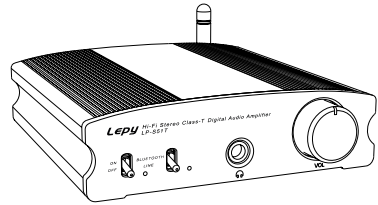


# Lepy S51T

T类数字高保真功放

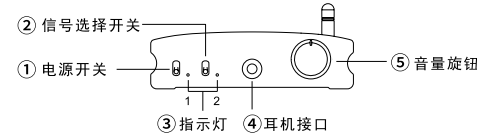


说明书 | MANUAL

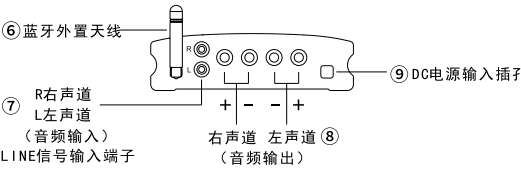
## 前言

尊敬的客户：感谢您购买和使用“**Lepy**”乐派产品，为了您能够全面了解本产品，在使用前，请仔细阅读本产品的说明书及保修证书。祝您体验愉快！

## 产品示意图



前视图



后视图

1

## 产品特点

1. 采用美国TRIPATH T类数字音频功率IC TP2051作为功率输出
2. 高效电源滤波电路
3. 使用英国CSR4.2版本蓝牙模组，采用aptX技术无损传输。对要传输的音频进行重新编解码，显著降低比特率，同时不影响音质，也不会带来传输的延迟问题
4. 优秀的前级供电电路，远放实现±电压供电，声音更通透润滑
5. 带低噪耳机放大驱动电路
6. 采用高品质运放NE5532 (墨西哥产)作为前级功放，音质保障
7. CNC数控加工，阳极氧化铝合金外壳，精工制作

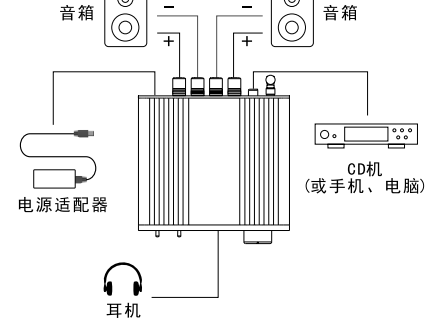
## 功能说明

- ① **电源开关**：拨到ON开机/拨到OFF关机
- ② **信号选择开关**：拨到BLUETOOTH为打开蓝牙/拨到LINE为线路输入
- ③ **指示灯1**：插上电源适配器，开关处于OFF状态时指示灯为红色，进入待机状态，开关拨至ON，指示灯变为黄色，进入开机状态
- 指示灯2**：开关拨至BLUETOOTH时蓝牙指示灯亮，进入蓝牙模式
- ④ **耳机插口**：插上耳机，喇叭自动静音，音乐输出到耳机
- ⑤ **音量旋钮**：音量大小调节(当AUX线路输入时为橙色背光，当蓝牙模式下，蓝牙配对成功后橙色背光变为蓝色背光)
- ⑥ **蓝牙外置天线**：接收蓝牙信号
- ⑦ **左/右声道音频输入**：二转一音频线红色头接红色插口，白色头接白色插口，3.5音频头接手机、CD机或电脑等
- ⑧ **左/右声道音频输出**：按颜色接音箱正/负极(红色正极，黑色负极)
- ⑨ **DC电源插座**

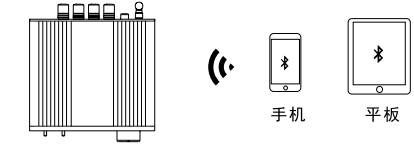
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## 连接示意图

AUX 模式



蓝牙模式



3

## 操作说明

### 开/关机

- 首次使用，先按连接示意图连接好音箱，信号输入线，然后将DC电源线接入主机，插上电源，拨动电源开关开机，电源指示灯由红色变为黄色机器即处于开机状态，打开播放器即可享受功放LP-S51T带来的美妙音乐体验。

### 耳机连接

- 将耳机插头插入主机，音箱自动静音，输出切换至耳机播放；拔出耳机插头自动切换至音箱播放

### 蓝牙配对

- 将本产品放到蓝牙手机附近，距离不能超过有效距离10米
- 确保本产品已经开机
- 拨动信号选择开关到Bluetooth，信号灯2亮起蓝色灯快闪，音乐旋钮亮起蓝色背光灯，蓝牙处于等待连接状态，然后打开手机或平板等带蓝牙功能的设备中的蓝牙开关，在搜索结果中选取“LP-S51T”，直接点击设备名称即可完成连接配对，此时语音提示“滴”，配对成功后信号灯2变为飞机灯，播放时变为慢闪，暂停之后变为飞机灯。
- 飞机灯（一秒闪烁两次，停顿两秒，以此循环）
  - （连接未成功按ab两项检查）
    - a. 检查手机蓝牙是否与本站无线连接成功
    - b. 检查本机蓝牙是否被其它手机连接

- 手机（平板）取消与功放配对时，信号灯2蓝灯变为快闪，此时其它蓝牙设备可以搜到本设备，连接成功后变为飞机灯
- 同时重启已配对的手机或本产品时，本产品会自动进入回连功能状态，自动与最后一次连接过的蓝牙设备连接
- 当手机超出本产品10米范围后，蓝灯变为30S快闪，30S后没连接，转长亮，回到有效距离内将自动连接，连接成功后转飞机灯。

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## 环保说明

本产品零部件采用无毒无害的环保材料制造，含有毒有害物质或者元素的部件皆因全球技术水平限制而无法实现有毒有害物质或者元素代替

## 关于本说明书

说明书版本属于深圳乐派音频技术电子有限公司所有。说明书内容如与实际产品不一致，请以实际产品为准。如果您对说明书的任何内容或者条款存在不明或异议。您在产品使用过程中，遇到任何问题，欢迎致电咨询！

## 包装清单

主机	×1
说明书	×1
保修卡	×1
音频线	×1
6.35转3.5转换头	×1
电源适配器	×1

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## 产品规格

产品型号：	LP-S51T
输入功率：	DC12~24V≥3A
输出功率：	50W×2RMS
扬声器阻抗：	4~8Ω
频率响应：	20Hz~20kHz
总谐波失真：	<0.4%
SNR：	>80dB
蓝牙名称：	LP-S51T
蓝牙版本：	4.2
蓝牙协议：	AVRCP1.6、A2DP1.3
尺寸（mm）：	L171×W136×H38
正向传输距离：	10m

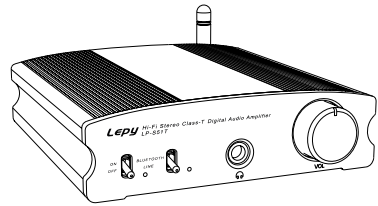
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## 保修卡

用户姓名		用户电话	
用户地址			
产品型号		机身编号	
销售单位		购机日期	
备注			

# Lepy S51T

Class-T Digital Hi-Fi Amplifier

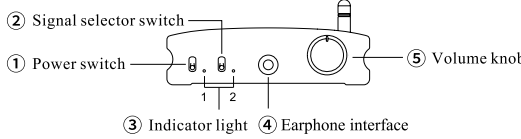


OPERATION MANUAL

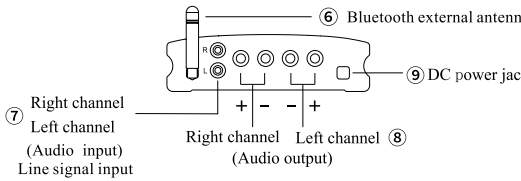
## Preface

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)

1

## 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 ± 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.

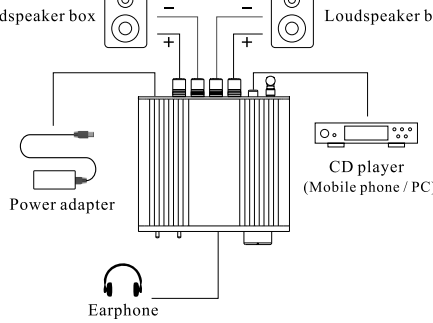
## Function description

- 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**

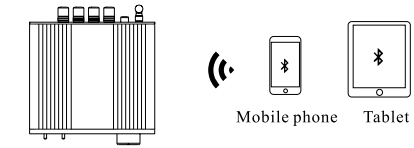
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## Connection diagram

AUX mode



BLUETOOTH MODE



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## 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-S51T.

### 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-S51T” 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.

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- 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	×1
Operation manual	×1
Warranty card	×1
Audio line	×1
6.35 Turn 3.5 converter head	×1
Power adapter	×1

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## Product specification

Product model:	LP-S51T
Input power:	DC12~24V≥3A
Output power:	50W×2RMS
Speaker impedance:	4~8Ω
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×W136×H38
Forward transmission distance:	10m

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## Warranty card

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