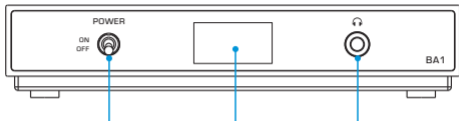# BA1

快速入门指南
Quick Start Guide

安全指示

1. 不可自行开启本机进行维修、拆卸或改造。

2. 请不要在特别热、冷、多尘或潮湿的环境中使用本产品，也不要放在有液体的地方。

3. 请调节适当音量欣赏音乐，以免损伤您的听觉和音响系统，在插入耳机前，请先将音量调小，不要长时间使用耳机。

4. 不要使用化学剂或清洁剂清洁本产品，这样会损伤产品表面。

5. 使用电源适配器，应购买获得CCC认证并满足标准要求。
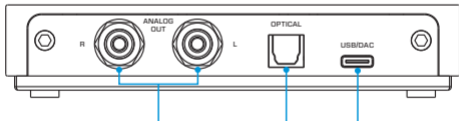
★ 执行标准: GB8898-2011; GB/T13837-2012

部件名称

POWER
ON
OFF
BA1

电源拨动开关   显示屏   3.5mm耳机插口

ANALOG
OUT
R   L   OPTICAL   USB/DAC

模拟左右音频输出接口   Type-C USB数据接口

数字光纤输出接口

操作说明

开机/关机

1. 开机: 关机状态下向上拨动开关到"ON"开机，显示屏显示开机界面。
2. 关机: 开机状态下向下拨动开关到"OFF"关机，显示屏熄灭。

配对模式

接收器在开机后或者断开所有蓝牙连接后自动进入配对状态。

1. 未启用USB DAC功能，显示屏显示"PAIRING"字符并闪烁。
2. 已启用USB DAC功能，显示屏蓝牙图标闪烁。

回连模式

1. 接收器失去连接后，重新接收到蓝牙信号可成功回连，否侧重新进入配对状态。
2. 接收器重新开机后会自动回连上一次连接设备。

连接成功

接收器在配对状态下，手机打开蓝牙搜索接收器 (Shanling BA1) 并连接，连接成功后显示屏上的蓝牙图标显示已连接状态。

连接断开

断开所有手机蓝牙连接，回到配对状态。

同时连接两个蓝牙设备

1. 接收器在没有连接任何蓝牙设备情况下，方可配对连接蓝牙设备。
2. 接收器在已配对蓝牙设备情况下，最多可以连接两个蓝牙设备。

音量控制

1. RCA模拟音频输出口默认LINE OUT输出，需将手机音量调到最大。
2. 3.5mm耳机输出口在蓝牙连接时或耳机插入时会限制不超过保护音量。
3. 为了获取更大的音量，推荐**开启蓝牙绝对音量**。
4. USB DAC模式下调节音量是由软件或系统的音量控制。

> 注意: a. 使用RCA音频输出口时，先把后端连接的放大器音量调小，避免音量过大。
> b. 苹果手机默认开启蓝牙绝对音量。
> c. 安卓手机开启蓝牙绝对音量方式（各品牌手机描述有所不同）: 开发者选项 —> 蓝牙绝对音量

使用方法

1. 开机工作状态下，用音频线或数字光纤线将接收器与有源音箱、功放、组合音响的信号输入口相连接，或将耳机从正面插入到接收器耳机输出口（用于立体身耳机输出）。

> **注意:**
> 当音频线连接到RCA模拟输出口时，模拟L/R音频有输出；
> 光纤线连接到数字光纤输出口时，数字光纤信号有输出；
> 当耳机插入到正面耳机输出口时，数字光纤信号同时有输出，RCA模拟L/R音频没有输出。

2. 用手机、平板电脑或其他带有蓝牙功能的终端搜索蓝牙接收器（Shanling BA1)的蓝牙设备。

USB DAC功能

当BA1作为USB DAC使用时，首先要使USB线材连接BA1与电脑，打开BA1会自动进入USB DAC模式，电脑会自动安装所需的驱动软件。打开声音设置，在设备列表中把"扬声器 Shanling BA1"设置为您的默认声音输出设备即可。

固件升级

请登录官网www.shanling.com进入BA1产品页进行相关下载，并按操作说明进行升级。也可通过"山灵播控"APP进行OTA升级。

OLED显示屏

编码方式工作OLED屏显示（在播放状态）

状态	显示屏
SBC	SBC
AAC	AAC
aptX/aptX Low Latency	APTX / APTX LL
aptX HD	APTX HD
LDAC	LDAC
USB DAC	48K

常见问题

1. 推荐使用DC5V 1A适配器，使用适配器电压过高可能会损坏机器。
2. 无法输出，请尝试更换音频连接线，并确保输出正常。

随机附件

快速入门指南：1份	USB A转Type-C线：1根
保修卡：1份	

Names of Parts

POWER

ON
OFF

BA1

Power Switch | Status Display | 3.5mm Jack

ANALOG OUT

R | L

OPTICAL

USB/DAC

BA1

Analog RCA Output

Type-C USB

Optical Digital Output
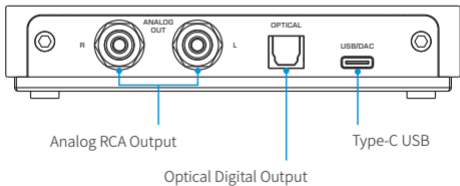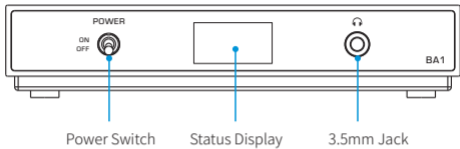
Operation Instructions

Power On / Off

1. Connect the BA1 to a DC5V 1A USB charger or to a USB port on a computer.
2. Power on: Flip the power switch up into "ON" position. Display will light up.
3. Power Off: Flip the power switch down into "OFF" position. Display will turn off.

Pairing mode

1. The BA1 will automatically enter the pairing mode after being powered on.
- If the BA1 is connected to a USB charger, display will show "PAIRING".
- If the BA1 is connected to computer's USB port, pairing mode will be indicated by flashing Bluetooth icon.
2. The BA1 will also enter the pairing mode automatically after all paired Bluetooth devices are disconnected.

Pairing process

While the BA1 is in pairing mode, go to Bluetooth settings on your smartphone/tablet. Turn on Bluetooth and search for available devices. Click on "Shanling BA1" to finish pairing process.

Reconnecting

1. After powering on, the BA1 will automatically reconnect to the last connected device.

2. If the distance between connected devices is beyond the effective range, the BA1 will disconnect. The BA1 will automatically reconnect, if the previously connected device gets back within the effective range.

Simultaneously connecting two devices

1. After pairing the BA1 with the first device, turn off Bluetooth on the first device. The BA1 will switch into the pairing mode.

2. Pair the BA1 with the second device.

3. Turn on Bluetooth on the first device and connect it manually to the BA1. Now both devices are simultaneously connected to the BA1.

Volume control

1. Analog RCA output - Output volume of the BA1 is set at a fixed line-out level, please use the volume control on the connected analog device. Please set volume on your smartphone/tablet to 100%.

2. 3.5 mm Jack output – Output volume of the BA1 is controlled by your smartphone/tablet. The BA1 will reset to medium volume when headphones are connected.

Note: On Android devices, please make sure that "Absolute Volume" is enabled in developer settings.

3. USB DAC mode – Volume level of all outputs of the BA1 is controlled by the volume setting in your software or system.

Using BA1

1. Analog connection – Use a pair of RCA cables to connect the BA1 to an analog input of a pre-amplifier or integrated amplifier.

2. Digital connection - Use an optical cable to connect the BA1 to a digital input of a standalone DAC or receiver.

3. Headphone connection – Connect headphones to the 3.5 mm Jack on the BA1.

Note: When headphones are connected to the 3.5 mm Jack, the RCA analog output is muted. The digital output is always active, no matter if any analog output is being used.

USB DAC mode

To use the BA1 as a USB DAC, connect the BA1 to the computer with the USB cable. The computer will automatically install all needed drivers. Open the sound device settings and set the device listed as "Shanling BA1" as your default audio device.

If the connection was successful, the status display will show USB icon and sampling rate info.

Note: USB DAC supports PCM up to 16/48.

Firmware update

Visit the official website at en.shanling.com and go to the Downloads section to download the latest firmware update for the BA1. Follow the included instructions to update the BA1.

Alternatively, an over-the-air update is available through the "Shanling Controller" app.

Qualcomm® aptX™ Low Latency

Qualcomm® aptX™ HD

Status display

When used as a Bluetooth receiver, the status display will show currently used Bluetooth codec.

When used as a USB DAC, the status display will show current sampling rate.

Status	Display
SBC	
AAC	
aptX/aptX Low Latency	
aptX HD	
LDAC	
USB DAC	

Common Problems

1. It is recommended to use DC5V 1A charger. Using a charger with higher voltage may damage the Shanling BA1.

2. When there is no sound, try to use different pair of headphones or different cable and make sure the system volume is set correctly.

Security Instructions

1. Don't repair, disassemble or modify the device without permission.

2. Please don't use this device in extremely hot, cold, dusty or humid circumstances. Avoid any exposure to liquids.

3. Please enjoy the music at a proper volume to avoid impairing your hearing and damaging the sound system. Before plugging your headphones into the device, please turn down the volume first.

4. Don't clean this device with chemicals or detergents, otherwise its surface and top coating may be damaged.

Attached Accessories

Quick start guide: 1	USB A to Type-C cable: 1
Warranty card: 1	

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工作时间(周一至周五)：08:00-12:00; 13:30-17:30