

DC07PRO 平衡/单端解码耳放

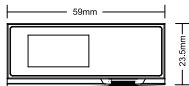
4.4mm Balanced / 3.5mm Single-ended USB DAC & AMP

包装配件

DC07Pro, Type-C to Type-C连接线, Type-C to Lightning连接线, USB-C转USB-A转换头, 简易说明书, 保修卡。

数据指标

DAC芯片: 四片CS43131
PCM:最高32bit/768kHz
DSD:最高Native DSD 512x
重量: 23g
尺寸: 59mm*23.5mm*12.5mm



4.4mm平衡:

THD+N: $-120.2\text{dB}(0.000098\%)@1\text{kHz } 300\Omega \text{ Load}$
输出电平: 2.8Vrms (Low Gain)
3.5Vrms (Mid Gain)
4Vrms (High Gain)
输出功率: 510mW+510mW@16 Ω 失真 $<0.1\%$
430mW+430mW@32 Ω 失真 $<0.1\%$
信噪比: 134dB
动态范围: 134dB
分离度: 142dB
频率响应: 10Hz-80kHz -0.5dB
底噪: 0.85 μV

3.5mm单端:

THD+N: $-116\text{dB}(0.00017\%)@1\text{kHz } 300\Omega \text{ Load}$
输出电平: 1.4Vrms (Low Gain)
1.73Vrms (Mid Gain)
2Vrms (High Gain)

输出功率: 210mW+210mW@16 Ω 失真 $<0.1\%$
118mW+118mW@32 Ω 失真 $<0.1\%$
信噪比: 129dB
动态范围: 129dB
分离度: 136dB
频率响应: 10Hz-75kHz -0.5dB
底噪: 0.76 μV

主要特点

- 采用四颗Cirrus Logic新一代具备Master HiFi™ 技术的CS43131。
- 五零级别的THD+N。
- 430mW+430mW@32ohm大推力。
- 输出底噪低至0.76 μV , 真正“零底噪”。
- 可换线设计。
- OLED显示屏。
- 旋钮操作快速完成设置及音量调整。
- 铝合金CNC机身, 两侧钢化玻璃面板。
- 配套安卓APK, 支持音量调节、滤波选择、声道平衡调节等功能。
- KDS飞秒晶振, 降低相位抖动, 时钟更准确。
- 支持PCM最高32bit/768kHz。
- 支持Native DSD最高512x。
- 3.5mm立体声输出, 4.4mm平衡输出。
- 3.5mm同轴输出, 最高支持32bit/768kHz。
- 可以作为USB解码耳放供安卓手机, 苹果手机, 及平板电脑使用。也可以作为USB解码耳放供Mac、Windows、Linux平台的电脑使用。

操作介绍

1. DC07Pro UI指示 (图1)。
2. 连接成功后播放音乐时, 主界面显示当前播放的音乐采样率。
3. 点按 [旋钮] 打开或关闭OLED屏幕。

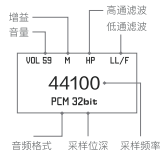


图1

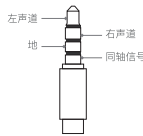


图2

在灭屏或主界面旋转 [旋钮] 可以调整音量。
屏幕亮起后长按 [旋钮] 进入功能选择菜单。
选择菜单里旋转 [旋钮] 可浏览选项。
点击 [旋钮] 可更改设置。设置自动保存。
4. 可以通过选择DAC的低通滤波调整音色。
以下为低通滤波对应的全称:

Fast: 高速滚降滤波器	Slow: 慢速滚降滤波器
LL/F: 低延时高速滚降滤波器	LL/S: 低延时慢速滚降滤波器
NOS: 非过采样	

5. 打开高通滤波时, 衰减极低频部分;
关闭高通滤波时, 不衰减极低频部分。
6. 当选择SPDIF输出时, 3.5mm输出口支持最高32bit/768kHz同轴输出。(图2) 是3.5插头的同轴定义。
7. DC07Pro在Android5.1以上系统的安卓设备上即插即用 (受设备系统或者硬件影响, 在极少数安卓设备上可能存在兼容性差异)。某些型号的安卓设备, 可能需要手动在系统设置里打开OTG功能。
8. 如果你希望在安卓手机上实现功能设置, 可安装iBasso UAC APK。
9. DC07Pro使用标准UAC2.0声卡芯片, 在苹果系统及Win10系统可实现即插即用。在WinXP, Win7,及Win8系统时, 请到iBasso官方网站 www.iBasso.cn 下载驱动。正确安装后即可作为USB声卡使用。
10. DC07Pro无内置电池, 工作时通过USB接口取电, 只消耗少量手机电量。由于内置四颗发烧解码芯片, DC07Pro在使用时会产生一定热量, 属正常情况, 请放心使用。



DC07PRO 平衡/单端解码耳放

4.4mm Balanced/3.5mm Single-ended USB DAC & AMP

Package Components

DC07Pro, USB-C to USB-C Cable, USB-C to Lightning cable,
USB-C to USB-A converter, User manual, and Warranty card.

Specifications

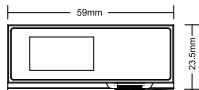
DAC Chipset: Quad Cirrus
Logic CS43131

PCM: Up to 32bit/768kHz

DSD: Native DSD 512x

Weight: 23g

Size : 59mm*23.5mm*12.5mm



4.4mm Balanced Output:

THD+N: -120.2dB(0.000098%)@1kHz 300Ω Load

Output Voltage: 2.8Vrms (Low Gain)

3.5Vrms (Mid Gain)

4Vrms (High Gain)

Output Power: 510mW+510mW @16Ω, THD+N<0.1%

430mW+430mW @32Ω, THD+N<0.1%

S/N: 134dB

Dynamic Range: 134dB

Crosstalk: 142dB

Frequency Response: 10Hz-80kHz -0.5dB

Noise Floor: 0.85μV

3.5mm Single-ended Output:

THD+N: -116dB(0.00017%)@1kHz 300Ω Load

Output Voltage: 1.4Vrms (Low Gain)

1.73Vrms (Mid Gain)

2Vrms (High Gain)

Output Power: 210mW+210mW @16Ω, THD+N<0.1%

118mW+118mW @32Ω, THD+N<0.1%

S/N: 129dB

Dynamic Range: 129dB

Crosstalk: 136dB

Frequency Response: 10Hz-75kHz -0.5dB

Noise Floor: 0.76μV

Main Features:

- Quad Cirrus Logic CS43131 Master HiFi™ DAC Chips.
- THD+N reaches 0.000098%.
- 430mW+430mW@32ohm output power balanced.
- 0.76μV ultra low noise floor.
- Detachable cable design.
- OLED Screen.
- Aluminum CNC case with tempered glass panels on both sides.
- Support of PCM up to 32bit/768kHz.
- Support of Native DSD up to 512x.
- 4.4mm balanced output and 3.5mm single-ended output.
- FPGA built-in and KDS Femtosecond oscillator.
- Dedicated UAC APP for Android devices, which allows adjustment of volume, channel balance, and digital filters.
- Works as a USB-DAC for Android smartphones & tablets, Mac, Windows, & Linux computers.
- Support of UAC2.0.

Operation Introductions:

1. DC07Pro UI introduction (Figure 1).
2. When playing music after connected to a master device, the screen displays the current music sample rate.
3. Press the [knob] to turn on or turn off the OLED screen.
When the screen is off or on the home screen, rotate the [knob] to adjust the volume.
When the screen is on, press and hold the [knob] to enter the settings menu. Rotate the [knob] in the settings menu to browse the settings. Press the [knob] to change settings. Settings will be automatically saved.

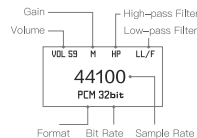


Figure1

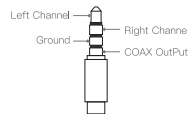


Figure2

4. You can adjust sound signature by selecting the DAC's low-pass filter.

Fast: First roll-off filter

Slow: Slow roll-off filter

LL/F: Short delay fast roll-off filter

LL/S: Short delay slow roll-off filter

NOS: Non-oversampling

5. When the high-pass filter is turned on, the ultra-low frequency is attenuated.
When the high-pass filter is turned off, the ultra-low frequency is not attenuated.
6. When SPDIF output is selected, the 3.5mm outputs coaxial digital signal, which is up to 32bit/768kHz. (Figure 2) shows the coaxial configuration of the 3.5 plug.
7. DC07Pro can be plug-and-play on smartphones and tablets with Android 5.1 and above (due to the Android device's system or hardware limitation, there may be a low compatibility issue with some smartphones or tablets). On some Android devices, it may be necessary to manually turn on the OTG function in the system settings.
8. Please install iBasso UAC APP if changing settings on an Android device is needed.
9. The DC07Pro uses a standard UAC 2.0 USB receiver for plug-and-play on Mac and Win10 computers. For WinXP, Win7, and Win8 systems, please download the driver from our website www.iBasso.com. Once properly installed, it can be used as a USB sound card.
10. There is no built-in battery so the DC07Pro receives its power through the USB interface from the master device. The actual power consumption is related to the operation and the device system (music resolution, volume and load being driven). The DC07Pro has quad audiophile DAC chips built-in. It is normal for the DC07Pro to get warm during use.