



**Alpha** PRO   
D&A HI-RES DAC & HEADPHONE AMP

## Product Introduction

### Core decoding performance

- **Full-format hardware decoding support:**
  - ▶ Exclusively equipped with MQA full unfolding technology, fully compatible with MQA-CD and MQA streaming media rendering;
  - ▶ Flagship ESS DAC chip ES9039MSPRO from the USA, which built-in MQA hardcore decoder;
  - ▶ X MOS third-generation XU-316 digital interface, supports PCM 768kHz/32bit and DSD512 native direct decoding.

### Professional audio architecture

- **Fully balanced headphone amplifier system:**
  - ▶ Discrete component Class AB amplifier circuit, up to 8Wrms x2 continuous output power with 32Ω load;
  - ▶ Triple professional interface: 4-pin XLR balanced port, 4.4mm balanced port, 6.35mm single-ended port.
- **Pure power supply design:**
  - ▶ Discrete linear regulated power supply module.

### Full-range input compatibility

- **Wired transmission standard:**
  - ▶ All interfaces (except Bluetooth) support DSD playback, coaxial/optical ports support DoP64 packaging protocol.
- **Wireless high-resolution reception:**
  - ▶ Qualcomm Bluetooth 5.1 platform, support LDAC 96kHz/24bit, aptXHD, AAC, SBC encoding.



This unit supports Windows, Mac OSX, iOS, ANDROID and Linux systems. When using USB input, Windows 7 / 8 / 8.1 / 10 / 11 require a driver.



The driver file must be downloaded and installed from the website. Download address: [www.digiaesth.com](http://www.digiaesth.com)

## In the Box



Alpha PRO x1



POWER Cable x1



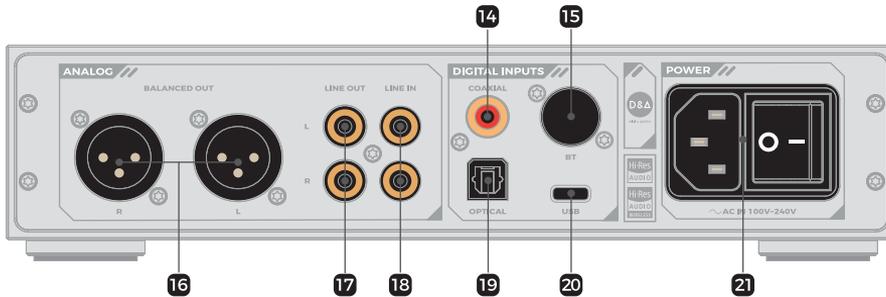
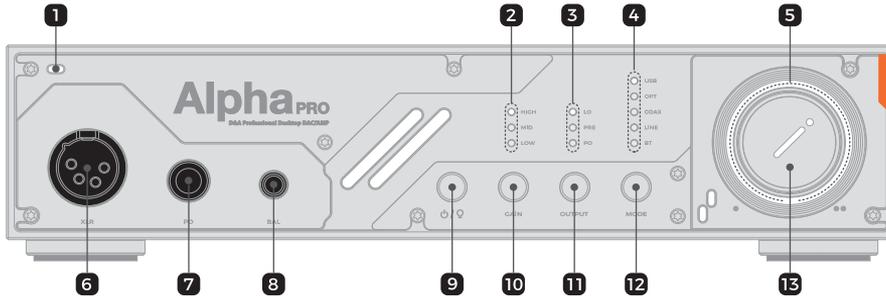
USB Cable x1



User Manual x1



## Parts Description



- |   |  |
|---|--|
| <b>1</b> Standby/on indicator light         | <b>8</b> 4.4mm headphone port            |
| <b>2</b> Headphone Amplifier Gain Indicator | <b>9</b> Power on/off /light mode switch |
| <b>3</b> Output mode indicator              | <b>10</b> Gain selection                 |
| <b>4</b> Input mode indicator               | <b>11</b> Output selection               |
| <b>5</b> Volume indicator                   | <b>12</b> Mode selection                 |
| <b>6</b> XLR headphone port                 | <b>13</b> Volume knob                    |
| <b>7</b> 6.35mm headphone port              |  |
| <b>14</b> Coaxial in                        | <b>18</b> Line in                        |
| <b>15</b> Bluetooth antenna                 | <b>19</b> Optical in                     |
| <b>16</b> XLR out                           | <b>20</b> USB in                         |
| <b>17</b> Line out                          | <b>21</b> AC in                          |

## Function Introduction

### Standby light:

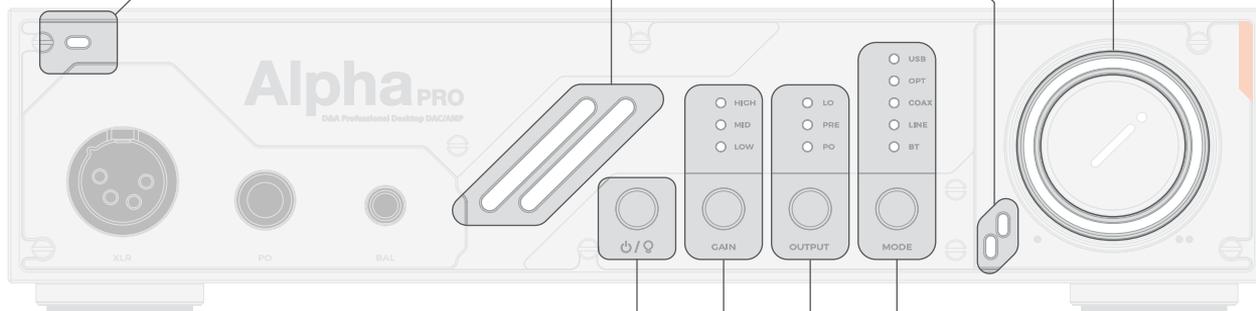
White when powered on (synchronized with the overall interactive lighting), orange in Standby mode.

### Interactive Lights:

Rhythm Mode, Breathing Mode, Off Mode, Constant Mode.

### Volume indicator light:

The indicator light will change its brightness according to the audio level.  
(In breathing mode, it will follow the overall lighting effect)



### Power on/off/light mode switch:

Long press to turn on or enter standby mode. Short press to switch lighting modes: Rhythm, Breathing, Off, Constant.

### Gain selection:

Press to switch between high gain/medium gain/low gain.

### Output selection:

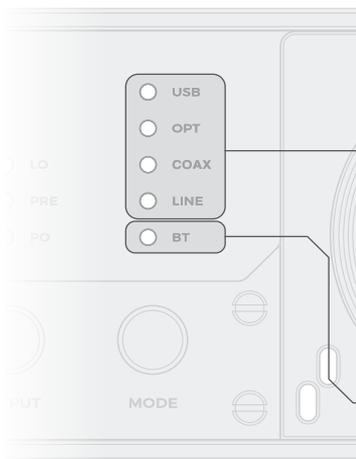
Press to switch between line output/pre-amp output /headphone output.

### Mode selection:

Press to switch between USB, Optical, Coaxial, Line, Bluetooth input.

## Indicator Color Description

Alpha PRO can play files up to PCM 768kHz/32bit, DSD512 and MQA formats. When music is playing, the following colors will indicate the corresponding encoding method and sampling rate.



### SAMPLING RATE

		POWER BUTTON COLOUR
PCM	Flashing for no signal, lights up for below 192kHz	 White
	192kHz and above	 Red
DSD		 Orange
		 Green
MQA	MQA Authentic	 Blue
	MQA Studio	 Magenta
	Rendering MQA	

### Bluetooth Connection

		POWER BUTTON COLOUR
BT	Flashes white when Bluetooth is not connected, and stays on when connected	 White
	Red when receiving audio in LDAC format	 Red



## Specifications

Inputs		USB / Optical / Coaxial / Bluetooth / RCA
Outputs		XLR / RCA / XLR headphones / 4.4mm headphones / 6.35mm headphones
Line output voltage	XLR	5.2Vrms
	RCA	2.5Vrms
Headphone output level		4000mW x 2(16Ω)
		6000mW x 2(32Ω)
		1400mW x 2(150Ω)
		700mW x 2(300Ω)
		350mW x 2(600Ω)
THD+N	XLR	0.00006%(-124dB)(UN-WTD)
	RCA	0.00007%(-122dB)(UN-WTD)
	HP	0.0001%(-115dB)(UN-WTD)
Dynamic range	XLR	133dB
	RCA	128dB
	HP	125dB
SNR	XLR	133dB
	RCA	128dB
	HP	125dB

Output Impedance	LINE OUT	100Ω
	HP OUT	Near 0Ω
Headphone Amplifier High Gain	Balanced	+15.8dB
	Unbalanced	+9.8dB
USB transmission		USB2.0(Asynchronous)
USB compatibility		Windows 7 / 8 / 8.1 / 10 / 11(Needs Driver), Mac OSX,iOS,Linux,ANDROID
MQA decoder		USB / Optical / Coaxial
MQA-CD decoder		Optical / Coaxial
Max supported sampling rate	USB decoding	Up to 768kHz/32bit; DSD512 (Native)
	Coaxial input decoding	Up to 192kHz/24bit; DoP64
	Optical input decoding	Up to 192kHz/24bit; DoP64
Bluetooth specification		5.1(Support SBC,AAC,aptX,aptX HD,LDAC)
Power Consumption		<50W
Standby power		<0.5W
Size		225 x 55 x 199.3mm (WxHxD)
Weight		1.76kg / 3.88lb

Specifications are subject to change without notice.



## Notes on Playing MQA-CD

- You must confirm that what is being played is a genuine MQA-CD;
- Confirm that the optical or coaxial signal output by the CD player is the raw data.

## About MQA

MQA (Master Quality Authenticated) is an award-winning British technology. It is a high-resolution audio encoding technology that combines extremely high sampling rates with sufficiently small file sizes. This machine uses MQA technology and can receive and unfold MQA audio to provide master-level sound. For more information, please visit <https://www.mqa.co.uk/how-it-works>.

## MQA file playback

- This machine does not require the use of special playback software for MQA playback, such as foobar2000, Audirvanaplus, as long as it supports ASIO or WASAPI audio output. When playing MQA audio, it is best to adjust the computer volume to the maximum to make the computer's audio output in the best state;
- When playing MQA files, the sampling rate being displayed is the original audio sampling rate.



## Safety Notes

- Please install the device in a well-ventilated, cool, dry, clean location away from direct sunlight, heat sources, vibration, dust, moisture or cold;
- Please use the voltage specified for this machine. Using a voltage higher than the specified value may damage the machine or cause dangerous situations such as fire that may cause personal injury. Our company will not be responsible for any damage caused by using a voltage higher than the specified value;
- Do not modify or repair the machine by yourself. If you need any service, please contact the sales or our customer service staff. Do not open the case by yourself under any circumstances;
- If you do not use the machine for a long time, disconnect the power cord from the power outlet.

## Warranty Terms

1. The term of service Shuzhimei Technology (Shenzhen) Co., Ltd. guarantees high-quality products. If the product is defective by normal use within 7 days after purchasing, The customer can choose to return or repair it (Only products that do not affect resale value can be returned ). If faulty within the one-year warranty period under normal use, it will be repaired for free.
2. Date of purchase is in accordance with the date on invoice or receipt used by seller, on line shopping can show the screenshot of trade.
3. The following situations do not qualify for warranty service:
  - a. All damages by human factors,including use it under non-normal working environment the and not follow manual instructions;
  - b. Unauthorized disassembly, modification, or maintenance voids the warranty;
  - c. Use non-designated or approved accessories cause damage;
  - d. QC or warranty stickers damage on cabinet;
  - e. Cannot provide valid proof of purchase;
  - f. Not belong to D&A product.
4. Please refer to your local sales agent's instructions and national regulations.

### Important note:

The product specifications and information mentioned in this manual are for reference only. The content of this manual is subject to change without notice.

## 产品简介

### 核心解码性能

- 全格式硬解码支持:
  - ▶ 独家搭载MQA完全解码技术,全面兼容MQA-CD及MQA流媒体展开渲染;
  - ▶ 美国ESS旗舰级DAC芯片ES9039MSPRO,内置MQA硬件解码;
  - ▶ XMOS第三代XU-316数字界面,支持PCM 768kHz/32bit与DSD512原生直解。

### 专业音频架构

- 全平衡耳放系统:
  - ▶ 分立元件AB类放大电路,32Ω负载下输出高达8Wx2的连续功率;
  - ▶ 三重专业接口:4芯XLR平衡口、4.4mm平衡口、6.35mm单端口。
- 纯净供电设计:
  - ▶ 分立式线性稳压电源电路。

### 全域输入兼容

- 有线传输标准:
  - ▶ 全接口(除蓝牙)支持DSD源码传输,同轴/光纤端口支持DoP64封装协议。
- 无线高解析接收:
  - ▶ 高通蓝牙5.1平台,支持LDAC 96kHz/24bit、aptXHD、AAC、SBC编码。

🖥️ 本机支持Windows、Mac OSX、Linux、iOS、ANDROID系统,通过USB接口输入时,Windows系统版本为win7 / 8 / 8.1 / 10 / 11需要驱动

⬇️ 驱动文件需自行在网站下载安装,下载地址:  
[www.digiaesth.com](http://www.digiaesth.com)

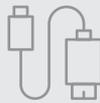
## 包装清单



Alpha PRO x1



电源线 x1

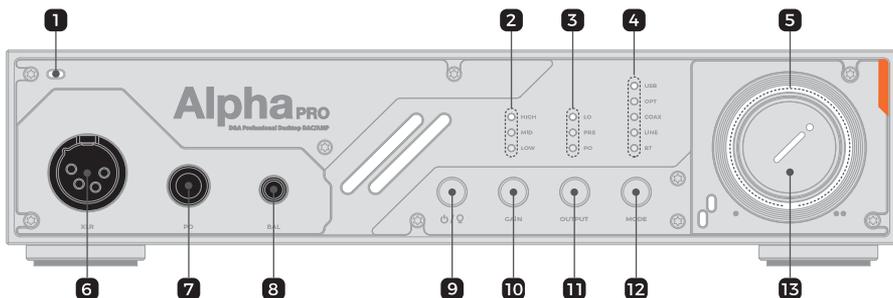


USB线 x1

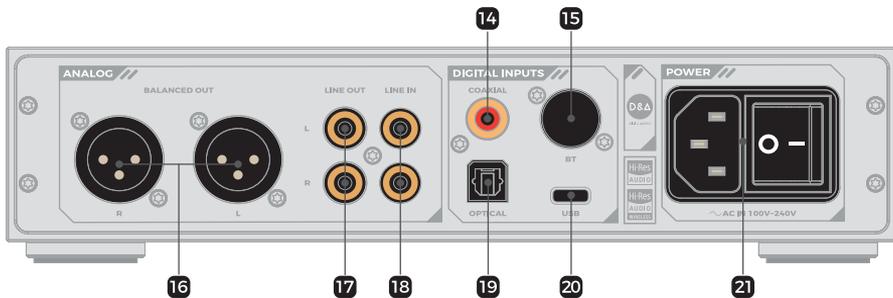


说明书 x1

## 产品说明



- 1 待机/开机指示灯
- 2 耳放增益指示灯
- 3 输出选择指示灯
- 4 输入模式指示灯
- 5 音量指示灯
- 6 平衡耳机接口
- 7 6.35mm耳机接口
- 8 4.4mm耳机接口
- 9 开关机/灯光模式切换
- 10 增益按钮
- 11 输出按钮
- 12 模式按钮
- 13 音量旋钮



- 14 同轴输入
- 15 蓝牙天线
- 16 XLR平衡输出
- 17 线路输出
- 18 线路输入
- 19 光纤输入
- 20 USB输入
- 21 电源输入

## 功能介绍

## 待机灯:

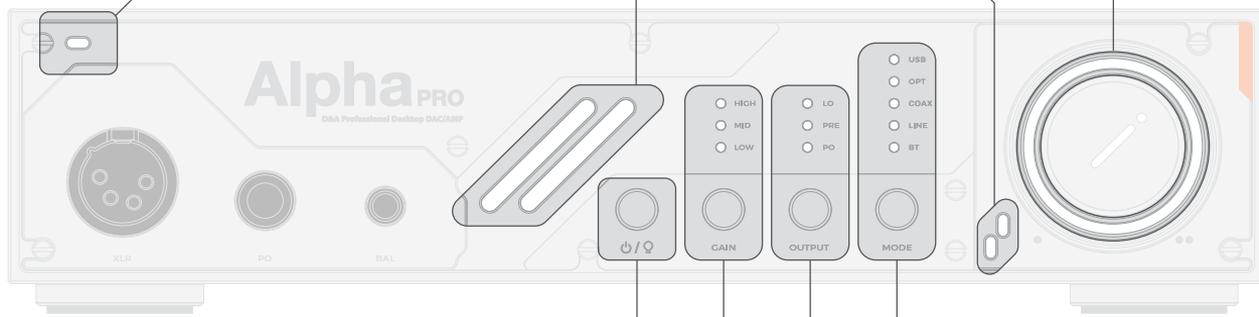
开机时为白色(与整体交互灯光同步)  
待机模式时为橙色。

## 交互灯:

节奏模式、呼吸模式、熄灭模式、常亮模式。

## 音量指示灯:

指示灯根据音量的大小点亮/亮度增减。  
(呼吸模式下跟随整体灯效呼吸)



## 开机按键/灯光设置:

长按开机或进入待机模式,短按  
切换灯光:节奏、呼吸、熄灭、常亮。

## 增益按钮:

切换高增益/中增益/低增益。

## 输出按钮:

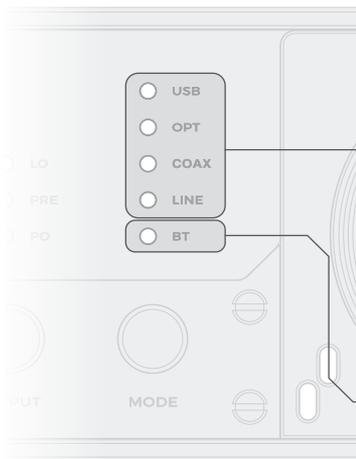
切换线路输出/前级输出/耳机输出。

## 模式按钮:

切换USB, 光纤输入, 同轴输入, 线路输入,  
蓝牙输入。

## 指示灯颜色说明

Alpha PRO 能够播放高达PCM 768kHz/32bit, DSD512和MQA格式的文件。当音乐播放时, 以下颜色将指示对应的编码方式及采样率。



### 编码方式

### 指示灯颜色

PCM	无信号为白色闪亮, 192kHz以下为白色常亮	白色
	192kHz及以上为红色	红色
DSD		橙色
MQA	正在播放MQA格式的流媒体或文件	绿色
	正在播放MQA Studio文件	蓝色
	传输最终展开的MQA文件并显示原始采样率	洋红

### 编码方式

### 指示灯颜色

BT	蓝牙未连接状态时白色闪亮, 连接时为白色常亮	白色
	接收LDAC音频格式时为红色	红色



## 技术参数

输入方式	USB / 光纤 / 同轴 / 蓝牙 / 单端线路	
输出方式	平衡线路 / 单端线路 / XLR耳机接口 / 4.4mm耳机接口 / 6.35mm耳机接口	
线路输出幅度	平衡线路	5.2Vrms
	单端线路	2.5Vrms
耳机输出幅度	4000mW x 2(16Ω)	
	6000mW x 2(32Ω)	
	1400mW x 2(150Ω)	
	700mW x 2(300Ω)	
THD+N	350mW x 2(600Ω)	
	平衡线路	0.0006%(-124dB)(UN-WTD)
	单端线路	0.0007%(-122dB)(UN-WTD)
	耳放输出	0.0001%(-115dB)(UN-WTD)
动态范围	平衡线路	133dB
	单端线路	128dB
	耳放输出	125dB
信噪比	平衡线路	133dB
	单端线路	128dB
	耳放输出	125dB

输出阻抗	线路输出	100Ω
	耳放输出	接近0Ω
耳放最高增益	平衡接口	+15.8dB
	非平衡接口	+9.8dB
USB传输方式	USB2.0(异步传输)	
USB兼容性	Windows 7 / 8 / 8.1 / 10 / 11(需要驱动) Mac OSX, iOS, ANDROID, Linux	
MQA 解码	USB / 光纤 / 同轴	
MQA-CD 解码	光纤 / 同轴	
最高支持采样率	USB 解码	最高支持768kHz/32bit; DSD512(Native)
	同轴输入解码	最高支持192kHz/24bit; DoP64
	光纤输入解码	最高支持192kHz/24bit; DoP64
蓝牙规格	5.1(支持SBC, AAC, aptX, aptX HD, LDAC)	
消耗功率	<50W	
待机功耗	<0.5W	
体积	225 x 55 x 199.3mm (WxHxD)	
重量	1.76kg / 3.88lb	

规格时有变更, 恕不另行通知。



## 播放MQA-CD注意事项

- 必须确认所播放的是一张真正的MQA-CD；
- 确认CD播放器输出的光纤或同轴信号是未经处理的源码。

## 关于MQA

MQA (Master Quality Authenticated) 是一项屡获殊荣的英国技术,是一种兼有极高的采样率和足够小的文件体积的高解析音频编码技术。

此机采用MQA技术,可以接收并解码MQA音频,提供母带级别的声音。

有关更多信息,请访问<https://www.mqa.co.uk/how-it-works>

## MQA文件播放

- 此机的MQA播放不要求使用特殊的播放软件,例如foobar2000, Audirvanaplus只要支持ASIO或者WASAPI的音频输出就可以了,并且在播放MQA音频时,最好将电脑的音量调到最大,以使得电脑的音频输出是最佳状态;
- 在播放MQA文件时,采样率为音频原始采样率。



## 安全注意事项

- 请将设备安装在通风良好、阴凉、干燥、干净的位置，远离直射阳光热源、振动、灰尘、潮湿或寒冷；
- 请使用本机指定的电压。使用高于指定数值的电压可能损坏本机，或导致火灾等造成人身伤害的危险情况。对于使用高于指定电压造成的任何损害，我司将不负任何责任；
- 请勿自行改造或修理本机。如果需要任何服务，请与销售或者我司客服人员联系。任何情况下请勿自行打开机壳；
- 如果长时间不使用本机，请从电源插座上断开电源线的连接。

## 保修条款

### 一、服务期限

数至美科技(深圳)有限公司承诺产品的良好品质，产品自售出之后7天内正常使用情况下出现故障，客户可以选择退货或者保修(不影响二次销售才可退货)。正常使用一年内出现故障可以免费保修。

二、购买日期以销售商开出的购机发票或收据日期为准，网购可以交易截图为准。

### 三、有以下情况都不能享受“三包”服务

1. 一切人为因素损坏，包括非正常工作环境下使用或不按照说明书使用；
2. 用户私自拆机、改装、维修；
3. 使用非指定或许可的配件造成损坏的；
4. 机身的QC或保修贴损毁；
5. 不能出示有效购机凭证；
6. 不属于本公司产品。

### 四、保修方式为送修

此条款只适于中国大陆，其它地区请参考当地销售代理商的规定和国家法规。



**DIGI & AESTH**