D&A

Alpha

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 2x ES9039Q2M from the USA;
  - ‣ XMOS 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 9Wrms x2 continuous output power with 32Ω load;
  - ‣ Dual interface: 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
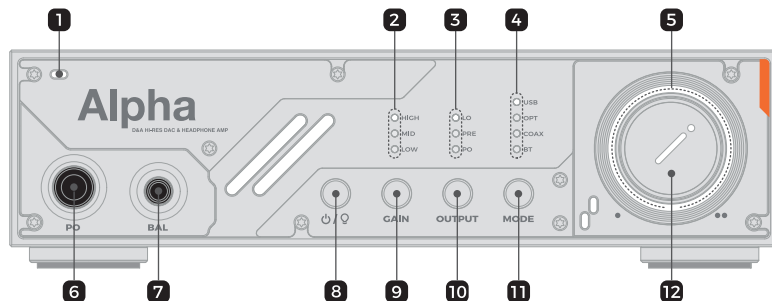
In the Box
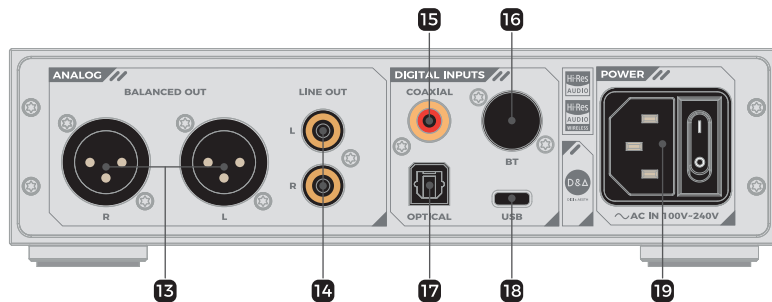

Alpha x1

POWER Cable x1

USB Cable x1

User Manual x1

Parts Description

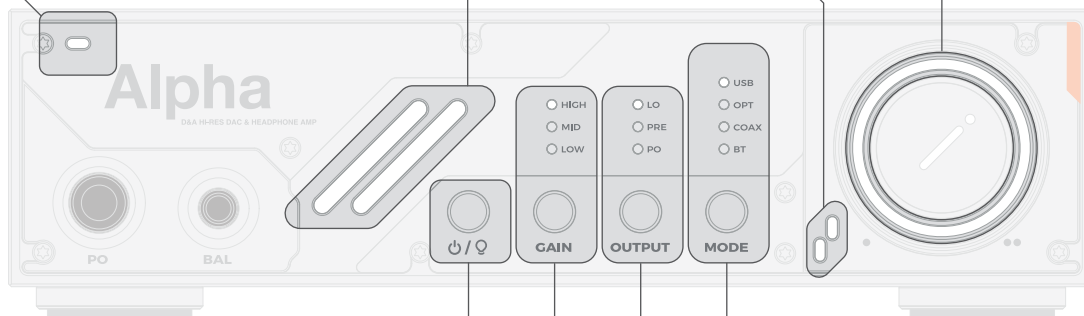|			
1	Standby/on indicator light	7	4.4mm headphone port
2	Headphone Amplifier Gain Indicator	8	Power on/off /light mode switch
3	Output mode indicator	9	Gain selection
4	Input mode indicator	10	Output selection
5	Volume indicator	11	Mode selection
6	6.35mm headphone port	12	Volume knob
13	XLR out	17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

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:

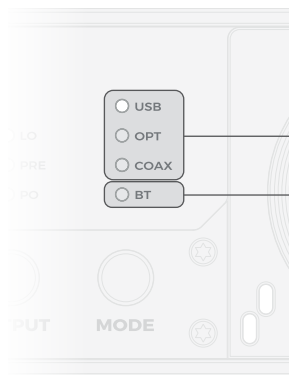Press to switch between high gain/medium gain/low gain.

Output selection:

Long press to switch between TONE-X or original mode. Short press to switch between line output/pre-amp output /headphone output.

Mode selection:

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

Indicator Color Description

① Alpha 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		COLOR	
PCM	When there is no signal, the light flashes white; Below 192kHz, the light remains solid white	⚪	White
	192kHz and above	🔴	Red
DSD		🟠	Orange
MQA	MQA Authentic	🟢	Green
	MQA Studio	🔵	Blue
	Rendering MQA	🟣	Magenta

SAMPLING RATE		COLOR	
BT	A flashing white light indicates Bluetooth is not connected; A solid white light indicates Bluetooth is connected	⚪	White
	Red when receiving audio in LDAC format	🔴	Red

② Alpha can switch between two sound tuned modes.

SOUND TUNED MODE		COLOR	
Original	The output is white in original mode.	⚪	White
TONE-X	The output is orange when switching to TONE-X mode.	🟠	Orange

Specifications

Inputs		USB / Optical / Coaxial / Bluetooth
Outputs		XLR / RCA / 4.4mm headphones / 6.35mm headphones
Line output voltage	XLR	5.2Vrms
	RCA	2.5Vrms
Headphone output level	Balanced	7500mW x 2 (16Ω)
		9000mW x 2 (32Ω)
		2200mW x 2 (150Ω)
		1100mW x 2 (300Ω)
		550mW x 2 (600Ω)
	Unbalanced	5000mW x 2 (16Ω)
		2500mW x 2 (32Ω)
		500mW x 2 (150Ω)
		250mW x 2 (300Ω)
		150mW x 2 (600Ω)
THD+N	XLR	0.00006%(-123.5dB)(UN-WTD)
	RCA	0.00007%(-121dB)(UN-WTD)
	HP	0.00017%(-115dB)(UN-WTD)
Dynamic range	XLR	131dB
	RCA	127dB
	HP	125dB

SNR	XLR	131dB
	RCA	127dB
	HP	125dB
Output Impedance	LINE OUT	100Ω
	HP OUT	Near 0Ω
Headphone Amplifier High Gain	Balanced	-3.3dB(L); +6dB(M); +12dB(H)
	Unbalanced	-9.3dB(L); 0dB(M); +6dB(H)
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 to192kHz/24bit; DoP64
	Optical input decoding	Up to192kHz/24bit; DoP64
Bluetooth specification		5.1(Support SBC,AAC,aptX,aptX HD,LDAC)
Power Consumption		<50W
Standby power		<0.5W
Size		195 x 55 x 208mm (WxHxD)
Weight		1.65kg / 3.64lb

Specifications are subject to change without notice.

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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.

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