

Sabaj

D4 Audio DAC/AMP



ShenzhenDaHao Technology Co.,Ltd.

Safety Notes

- Install this unit in a well ventilated, cool, dry, clean place-away from direct sunlight, heat sources, vibration, dust, moisture, and/or cold.
- Do not cover this unit with a newspaper, tablecloth, curtain, etc. in order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, and/or personal injury.
- Do not attempt to modify or fix this unit. Contact qualified Sabaj service personnel when any service is needed. The cabinet should never be opened for any reason.
- When not planning to use this unit for long periods of time (i. e. when going on vacation), disconnect the power cable from the AC wall outlet.

Warranty terms

- The term of service
Shenzhen Sabaj technology Co.,LTD promise good quality products. If product is defective unit by normal use with in 7days after purchasing. The customer can choose to return or repair warranty(does not affect the secondary sales afterthey can return). Faulty for free with in one year warranty normal use.
- Date of purchase is in accordance with invoice date or receipt date issued by seller, online shopping can cut trade shots.
- Following situation can not enjoy "Three Guarantees service"
 - All damages by human factors, including use it under nonrml workingenvironment the and not following manual instruction.
 - User privately disassemble, modification, maintenance.
 - c. Use non-designated or approved accessories cause damage.
 - d. QC or warranty stickers damage on cabinet.
 - e. Can not provide a valid purchasing prove.
 - f. Not belong to Sabaj product.
- How to warranty
This term is only suitable for china mainland, other regionplease refer to the policy of the local sales agents and national regulations.

Specification:

Input:	USB / Bluetooth / Optical / Coaxial
Output:	3.5mm Headphone / RCA
THD+N:	0.0005% Headphones 0.002%
Dynamic range:	115dB
SNR:	105dB
Headphones	100dB
USB transmission:	asynchronization
USB compatibility:	Windows 7 / 8 / 8.1 / 10 Mac OSX10.6 or Later / Linux
Bit depth:	USB 16bit / 24bit / 32bit / 1bit Optical / Coaxial 16bit / 24bit
Sampling rate:	USB PCM 44.1kHz / 48kHz / 88.2kHz 96kHz / 176.4kHz / 192kHz 352.8kHz / 384kHz 705.6kHz / 768kHz USB DSD 2.8224MHz / 5.6448MHz 11.2896MHz / 22.5792MHz Optical / Coaxial 44.1kHz / 48kHz / 88.2kHz 96kHz / 176.4kHz / 192kHz
Headphone amplifier power:	124mW(32Ω) 220mW(64Ω) 180mW(150Ω) 95mW(300Ω)
Amplifier Consumption:	5 W
Standby power:	1 W

Features

- High quality power supply, ultra-low noise LDO and low magnetic leakage toroidal transformer.
- 2nd generation of XMOS USB audio solution XCORE200, PCM sampling rate support up to 32bit/768kHz and DSD up to DSD512, with customized driver support native DSD512.
- Ultra-low jitter clock system, 2 crystal oscillators works with the asynchronous USB for audio transfers.
- Dual AKM's high quality audio D/A converters AK4452, ultra-low THD+N, and high dynamic range which can perfectly recover the music detail .
- Built-in high power ultra-low distortion headphone amplifier circuit, driver the headphone up to 200mW per channel.
- Use a lot of audio grade components.
- Humanize menu operation, user can setup sound style and digital filtering type.
- 4.2 version bluetooth from CSR.

Remote controller

Notes:

- Press "C" at the first time using this remote.
- When using bluetooth, the "mute" button will turn in to "re-connect" function.

Parts Names

Home page

- Input source
- Output mode(Headphone mode shows 7. When DAC mode shows VOL)
- Volume
- Sampling rate(When the unit is muted, There will show "MUTING". It shows "No signal" when without input source.)

Menu pages

- Current page
- Current page number
- Menu content

MENU Pages

Page 1: "BT setup" menu.
when the source is BT, this menu will be activated, press the left or right to reset the bluetooth device list, so you can disconnect preset device and connect the other device.

Page 2: "Output" mode setting.
Switching between DAC output and headphone output.

Page 3: "PCM-DF" PCM Digital filter.
5 filter mode:
Sharp roll-off;
Slow roll-off;
Short delay Sharp;
Short delay Slow;
Super Slow.

Page 4: "DSD-DF" DSD Digital filter
2 filter mode:
50kHz Cut-off;
100kHz Cut-off.

Page 5: "Sound" color selection
4 sound color mode, sound tone are slightly different:
Acoustics Sound;
Acoustics Tone;
Traditional Sound;
Traditional Tone;

Page 6: "Dimmer" brightness adjust or turn off display.
There is 4 levels, and the front blue LED will follow the levels.

70mm

70mm

70mm

70mm

70mm

70mm

100mm

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深圳市大号科技有限公司

安全注意事项

- 请将本音响系统安装在通风良好、阴凉、干燥、干净的位置，远离直射阳光热源、振动、灰尘、潮湿和/或寒冷。
- 只能使用本机指定的电压。使用高于指定数值的电压很危险，而且可能导致火灾，损坏本机，和/或造成人身伤害。对于使用高于指定电压造成的任何损害，深圳市大号科技有限公司将不负任何责任。
- 不要试图自行改造或修理本机。如果需要任何服务，请就近与有资格的深圳市大号科技有限公司维修人员联系。不管有任何理由，都没有打开机壳的必要。
- 如果打算长时间不使用本机（比如度假时），请从墙壁交流电源插座上断开电源线的连接。搬动本机前，请从墙壁电源插座上断开电源线的连接。

保修条款

- 服务期限
深圳市大号科技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。
- 购买日期以销售商开出的购机发票或收据日期为准，多购可以交易截图为准。
- 有以下情况都不能享受“三包”服务
 - 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。
 - 用户私自拆机、改装、维修。
 - 使用非指定或许可的配件造成损坏的。
 - 机身的QC或保修贴损毁。
 - 不能出示有效购机凭证。
 - 不属于本公司产品。
- 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。

技术参数

输入方式:	USB/蓝牙/光纤/同轴
输出方式:	3.5mm耳机/RCA
THD+N:	前级输出: 0.0005% 耳放输出: 0.002%
动态范围:	115dB
信噪比:	前级输出: 105dB 耳放输出: 100dB
USB传输方式:	异步传输
USB兼容性:	Windows 7 / 8 / 8.1 / 10 Mac OSX10.6以上
位深:	USB: 16bit / 24bit / 32bit / 1bit 光纤/同轴: 16bit / 24bit
采样率:	USB: 44.1kHz / 48kHz / 88.2kHz 96kHz / 176.4kHz / 192kHz 352.8kHz / 384kHz 705.6kHz / 768kHz DSD64 / DSD128 / DSD256 / DSD512 光纤、同轴: 44.1kHz / 48kHz / 88.2kHz 96kHz / 176.4kHz / 192kHz
耳放输出功率:	124mW(32Ω) 220mW(64Ω) 180mW(150Ω) 95mW(300Ω)
消耗功率:	5 W
待机功率:	1 W

产品特点

- 内置高效率低振动的变压器，为解码器提供充足的能源供应。线性电源并用使用了多阻低噪声LDO供电。
- USB接收芯片使用第二代XMOS方案—xcore200 xu208，PCM采样率最高支持768kHz及DSD512，独家定制驱动支持Native DSD，处于业内领先地位。
- 时钟系统使用了独立的超低时钟抖动，超低相噪的晶振作为音频时钟。
- DAC芯片使用AKM公司新品-AK4452，并使用两片作解码为解码，分离度更好，失真更低，细节更好。
- 内置大功率超低失真耳放电路，超高的电压摆幅，极致的瞬态特性。
- 大量使用音频专业发烧级元件人性化菜单操作，解码器声音风格和数字滤波器可自行设置。
- 蓝牙采用高规格的蓝牙4.2方案。

遥控器介绍

注:

- 请在第一次使用D4时，先C键。
- 静音键，在蓝牙输入时，按此键为连接上一次的蓝牙设备。

部件介绍

主界面介绍

- 输入方式显示;
- 输出方式显示 (VOL为前级输出, 7为耳放输出);
- 音量显示;
- 采样率显示(注: 当启用静音时此处显示MUTING; 当无信号输入时此处显示No signal)。

菜单显示介绍

- 当前菜单模式显示
- 当前菜单页面位置
- 当前菜单功能显示

菜单功能介绍

- "BT setup"蓝牙设置菜单，当蓝牙已经连接有设备且用户想用其它设备连接机器时，可设置蓝牙断开原连接设备并进入配对状态（只功能只有在蓝牙输入状态下有效）。
- "Output"输出模式设置，有前级输出模式和耳放输出模式。
- "PCM-DF"数字滤波器分别是：Sharp roll-off, Slow roll-off, Short delay Sharp, Short delay Slow, Super Slow。
- "DSD-DF" DSD数字滤波器分别是：50kHz Cut-off, 100kHz Cut-off。
- "Sound"音色调节分别是：Acoustics Sound, Acoustics Tone, Traditional Tone。
- "Dimmer"显示与氛围灯亮度调节和关闭屏幕，亮度调节范围为4级。