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NEO α 简介

NEO α 是一款集成了 4K UHD 媒体播放器，音乐流媒体播放器，多声道音乐数播，音视频媒体中心，高保真耳放，高保真音乐解码器，高保真蓝牙解码器，多功能影音一体设备。

作为 4K UHD 媒体播放器，提供了功能强大的电影海报墙系统，能够以全新海报交互形式展现本地电影资源，支持电影相关信息匹配、电影快速检索、分类收藏管理等；支持目前更先进的电影规格：最高可以支持 4K 60Hz 12Bit HDR10+/Dolby Vision 解码与输出；并支持双 HDMI 输出，音画分离功能为我们提供优秀的音画水平和强大的兼容性。

作为母带级高清音乐数播，支持播放来自多种存储设备的音源，例如：NEO α 连接的硬盘，局域网连接的电脑、NAS 服务器等本地文件，强大的音乐数播不仅支持市面上几乎所有超高采样母带音乐文件 MQA、SACD ISO、DFF、DSF、FLAC、WAV、APE 等格式，还可以帮我们很好的智能管理本地音乐资源，兼顾了音乐网播功能，支持在线流媒体应用以及 DLNA 等网络流媒体串流方式推送的内容播放，并以出色的音质进行回放。

另外，NEO α 还是一款支持多声道音乐播放的数播，不仅支持 DTS 多声道音乐格式的播放与输出，通过 HDMI DSD 专用通道还能够支持最高 5.1 声道的 DSD 64 音乐文件的播放及源码输出，为多声道母带 DSD 玩家提供极大的便利。

NEO α 作为性能强悍的音频解码，支持无损蓝牙、光纤、同轴、和异步 USB 音频输入。监听级 ES9038 Pro DAC 芯片和新一代 X MOS 界面构成的高性能解码核心，最高可解析 22.5792 MHz 采样的 DSD 文件（DSD512 Native 模式）与采样频率为 768 kHz 32 位的 PCM 无损母带格式文件。

NEO α 机身 5 英寸 OLED 高清显示屏，可直观显示常规设置菜单，音乐库数据，播放状态，输入源采样规格等。遥控控制、智能手机控制、本机屏幕触控以及丰富的中控端口等多种控制方式，为用户提供十分便利的操作体验。

NEO α 作为一款顶级家庭影院和高保真音乐播放解码全能一体设备，丰富的功能和较高的完成度，将为我们更好的解决各种繁琐设备连接与搭配问题，并提供卓越的音画性能和友好的客户体验。

性能参数

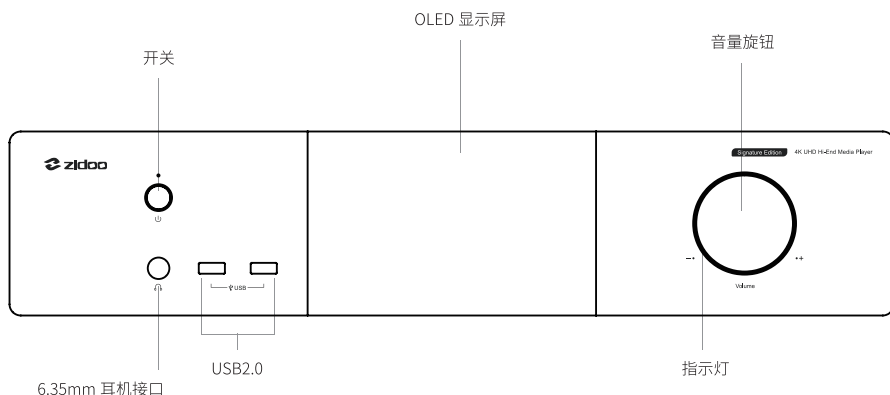
机身材质	铝合金
显示屏	5 英寸 OLED 高清触控屏
CPU 型号	Realtek RTD1619DR ARM Cortex-A55(六核)
操作系统	Android 9.0
GPU	ARM Mali-G51 MP3
内部存储	4GB DDR4 内存 +32GB eMMC 闪存
内置 SSD	512G SSD 固态硬盘 (M.2 SATA 3.0 2280 接口协议)
音频 DAC	ES 9038Pro
蓝牙版本	BT 4.2 / BT 5.0(音频接收)
WiFi 网络	2.4G+5G 双频 WiFi, 802.11 a/b/g/n/ac; 2T2R MIMO 867Mbps
有线网络	1*RJ-45(10/100/1000Mbps)
主 HDMI 输出 HDMI 2.0a	视频: 支持 4K@60fps/HDR/12Bit/BT2020/YCbCr 4:4:4; 音频: 支持电影多声道源码透传, 音乐: PCM 192khz
副 HDMI 输出 HDMI 1.4 (DSD)	音乐音频 :DSD 源码支持 DSD 64 /2.0/5.1CH (Native 模式) , PCM 192khz; 电影音频: 支持多声道源码透传
视频解码	最高支持 4K@60p HEVC/H.265 12Bit HDR10, HDR10+, 杜比视界
音频解码	最高支持立体声 DSD512、PCM 768KHz 32Bit、MQA 格式
蓝牙音频输入	高通 QCC5125 蓝牙模组, 支持 APTX HD/LDAC/AAC/SBC 等音频协议
USB 音频输入	支持 Windows 系统 (7, 10) , Mac 系统, Android 系统 最高支持立体声 DSD512、PCM 768KHz 32Bit、MQA 格式
数字音频输入	USB DAC 输入、光纤输入、同轴输入、蓝牙音频输入
数字音频输出	光纤输出、USB 音频输出、HDMI 输出、蓝牙音频输出
模拟音频输出	前级输出: XLR(平衡) *1、RCA *1; 耳放输出: 6.3mm 单端 *1
推荐耳机阻抗	16-300Ω (低增益模式: 16-32Ω/ 高增益模式 32-300Ω)
内置 SATA	内置 SATA3.0 硬盘盒 *1 (支持 2.5/3.5 寸硬盘安装, 不含硬盘)
USB 接口	USB 3.0 * 2; USB 2.0 * 2
控制接口	IR IN *1, RS232 *1, TCP/IP 控制 (支持网络唤醒)
电源	AC 110~240V 50/60Hz
机身尺寸	长 430mm* 宽 300mm* 高 105mm
包装清单	遥控器 *1, 天线 *3, 硬盘固定螺丝 *4, 用户手册 *1

性能参数

模拟音频特性	<p>XLR(平衡)输出</p> <p>输出电平 (Vrms): 4.3 Vrms 总谐波失真 (THD+N): -115dB (0.000167%@1KHz) 底噪 (Noise): <2uVrms 信噪比 (SNR): 127dB@1kHz 频率响应 (frequency response): $\pm 0.25\text{dB}(20\text{Hz}-20\text{kHz})$ 通道分离度 (CROSSTALK): -130dB@1kHz 动态范围 (DNR): 127dB@1kHz</p>
	<p>RCA输出</p> <p>输出电平 (Vrms): 2.1 Vrms 总谐波失真 (THD+N): -114dB (0.000185%@1KHz) 底噪 (Noise): <2uVrms 信噪比 (SNR): 125dB@1kHz 频率响应 (frequency response): $\pm 0.25\text{dB}(20\text{Hz}-20\text{kHz})$ 通道分离度 (CROSSTALK): -126dB@1kHz 动态范围 (DNR): 125dB@1kHz</p>
	<p>耳机 6.3mm 单端输出</p> <p>低增益模式</p> <p>输出电平 (Vrms): 1.1 Vrms 总谐波失真 (THD+N): -109dB (0.00035%@1KHz) 底噪 (Noise): <2uVrms 信噪比 (SNR): 123dB@1kHz 频率响应 (frequency response): $\pm 0.25\text{dB}(20\text{Hz}-20\text{kHz})$ 通道分离度 (CROSSTALK): -123dB@1kHz 动态范围 (DNR): 123dB @1kHz 最大不失真功率: 38mW (16Ω)</p> <p>高增益模式</p> <p>输出电平 (Vrms): 3.4 Vrms 总谐波失真 (THD+N): -111dB (0.00035%@1KHz) 底噪 (Noise): <2uVrms 信噪比 (SNR): 124dB@1kHz 频率响应 (frequency response): $\pm 0.25\text{dB}(20\text{Hz}-20\text{kHz})$ 通道分离度 (CROSSTALK): -124dB@1kHz 动态范围 (DNR): 124dB@1kHz 最大不失真功率: 39mW (300Ω)</p>

硬件端口介绍

1. 前面



① 触屏控制

NEO α 前置液晶屏幕，支持触控，可对本机数播系统进行常规控制操作。

② 电源键

控制本机开机与关机。

③ 音量旋钮

对整机音量大小进行调节，顺时针旋转增加输出音量，逆时针旋转减小输出音量。

* DAC 输出模式下，可根据需要在 DAC 设置中，自定义音量递增调节的幅度（0.5 dB~3dB）。

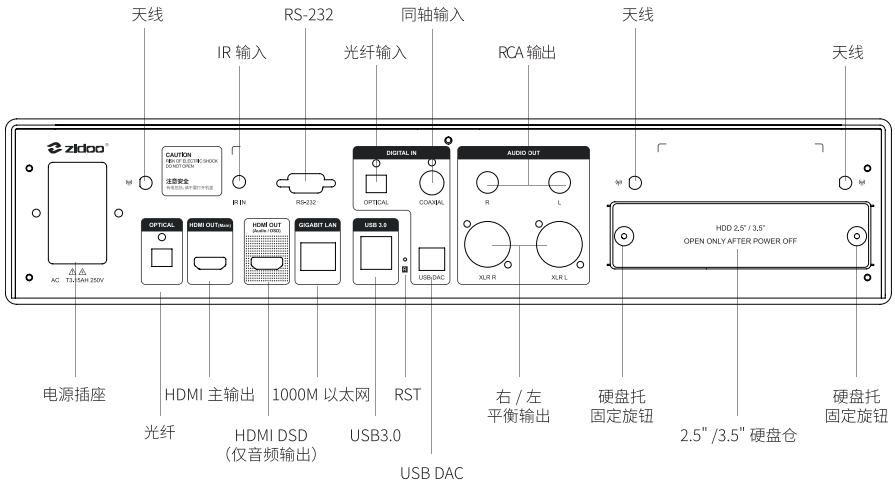
④ 指示灯控制

NEO α 音量旋钮设计了包围式氛围灯，开机过程为呼吸显示状态，开机完成后默认会常亮状态，该状态灯支持进行关闭和亮度的调节。

指示灯设置：

设置方式：设置 —— 显示设置 —— 旋钮亮度

2. 背面

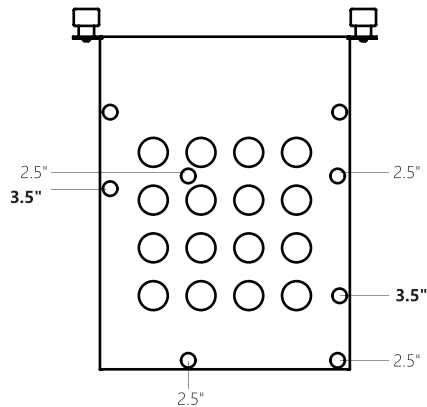


硬盘的装载

NEO α 后面板内置了 SATA 3.0 硬盘盒，可以装载一块 2.5 或者 3.5 寸硬盘（本机不含此硬盘）

安装方法：

拧开机器背部硬盘托两侧固定旋钮，拉出硬盘托。取出配件盒中附送螺丝，用螺丝刀将硬盘按照对应孔位锁紧在硬盘托上。后将硬盘托推入机器硬盘盒内，按下并拧紧两侧的固定旋钮。



硬盘托底部示意图

注意：

*本机支持最大硬盘容量16TB

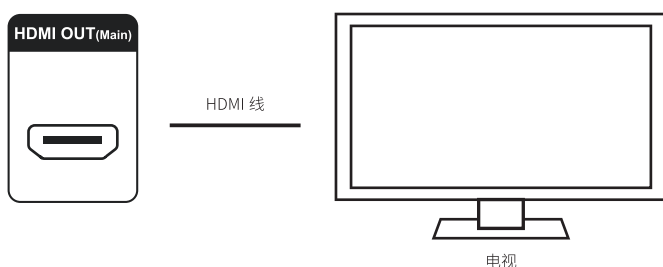
*请勿在设备通电状态下安装或更换硬盘，以免造成设备或硬盘数据的损坏，本机支持硬盘格式：EXT3、EXT4、NTFS、FAT32、EXFAT。

连接与安装

一. HDMI 设备的连接

1. HDMI 主口连接电视

确保电视和NEO α播放设备都处于断电状态，将HDMI线一头插入播放设备的HDMI输出端口，另一头连接至电视机的HDMI输入接口，设备开机后，请将电视的信号源设置切换至对应的端口。

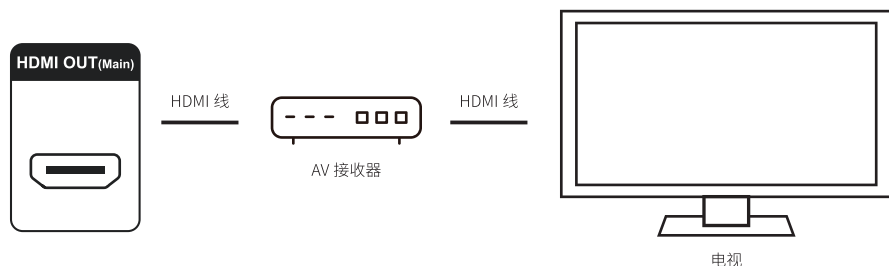


注意：

- * 为了能够享受4K超高清HDR效果，请使用满足HDMI2.0以上版本的HDMI线、以及显示设备。
- * 为了确保更佳的电影观赏效果体验，在播放本地影片时系统将会关闭机身小屏的显示。

2. HDMI 主口连接 AV 接收器再连接电视

确保功放、电视、NEO α播放设备都处于断电状态，用一条HDMI线将本设备的HDMI Main输出端口与AV接收器的HDMI输入连接，另一条HDMI线将AV接收器的HDMI输出与电视机的HDMI输入接口连接。将设备开机后，分别再将AV接收器和电视的信号源，切换至设备连接的对应端口。



注意：

* 为了能够获得4K超高清HDR效果，除了HDMI线和显示设备，请确保连接的AV接收器也可以满足相应的技术规格。

* HDMI音频输出与DAC模拟音频无法同时选择输出，以上连接需将音频源设置为数字输出，才会从HDMI通道输出音频。

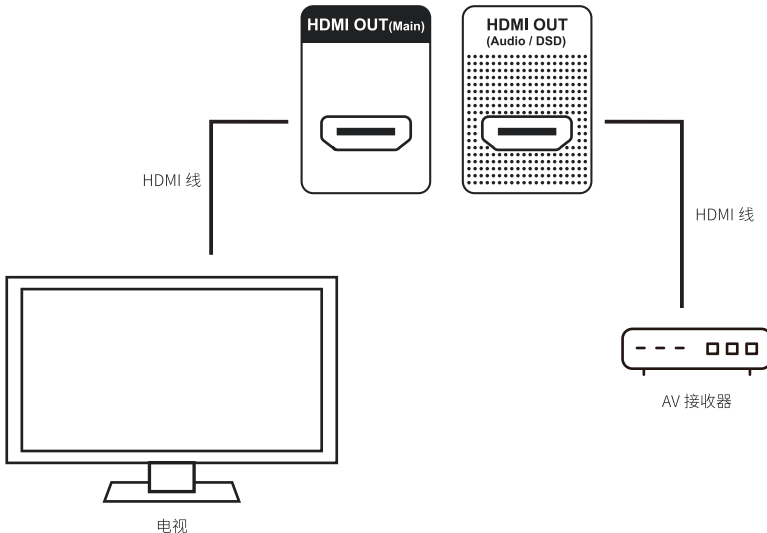
设置方式：设置 —— DAC音频 —— 音频源 —— 关闭DAC

* 本机HDMI 输出支持源码透传，如果AV接收器可以支持更先进的音频格式，请将HDMI音频设置输出模式设置为源码输出。

设置方式：设置 —— 音频设置 —— HDMI音频 —— 源码透传

3. HDMI 主口与副口分别连接电视和 AV 接收器

确保电视、AV接收器、NEO α设备都处于断电状态，用一条HDMI线将本设备的HDMI Main输出端口与电视机的HDMI输入连接，用另一条HDMI线将本设备的HDMI DSD副输出端口与AV接收器的输入端口连接。设备开机后，分别再将AV接收器和电视的信号源设置，切换至设备连接的对应端口。



HDMI 输出模式选择

NEO α主副HDMI端口支持，主副口分离模式（音画分离输出）和主口+副口（主口音视频输出+副口音频输出），当主口和副口同时连接到HDMI设备时，可以根据音频设备支持的能力和需要设置信号输出的模式。

输出模式设置方法：

通过大屏设置：**设置** —— **音频设置** —— **HDMI 输出**

通过本机屏幕设置：**设置** —— **通用设置** —— **HDMI 输出**

模式说明

主副口分离模式（自动DSD Native）

音画分离输出，视频从主口输出，音频从副口输出，副口根据自动判断连接的AV接收器支持的能力，自动选择输出DSD Native或PCM。

主口+副口模式（DSD To PCM）

主口输出音频和视频，副口只输出音频，DSD默认输出为PCM格式

主副口分离模式（强制DSD Native）

音画分离输出，视频仅从主口输出，音频仅从副口输出，播放DSD时将会强制DSD Native输出，选该模式需要功放支持DSD解码。

注意事项：

* 如AV接收器能够支持DSD多声道解码，建议采用主副口分离模式，请将HDMI输出模式设置为主副口分离模式（强制DSD Native），DSD音乐最高可以支持DSD 64（Native）2.0/5.1CH

* 本机HDMI输出支持电影音效源码透传，如果AV接收器可以支持更先进的音频格式，请将HDMI音频设置输出模式设置为源码输出

设置方式： **设置** —— **音频设置** —— **HDMI音频** —— **源码透传**

* 为了能够获得4K超高清HDR效果，除了HDMI线和显示设备，请确保连接的AV接收器也可以满足相应的技术规格。

* HDMI输出与DAC模拟无法同时选择输出，以上连接需将音频源设置为数字输出，才会从HDMI通道输出音频

设置方式： **设置** —— **DAC音频** —— **音频源** —— **关闭DAC**

二. 音频输出设备的连接与安装

1. 数字音频输出连接音频接收器

本机数字音频输出，包括了HDMI音频、光纤、USB音频、蓝牙数字音频的输出，选择通过数字音频输出时，请将音频源选择为“数字输出”，DAC音频会关闭。

① 通过光纤连接解码器或AV接收器

使用数字光纤音频线，将本机的光纤输出接口连接至AV接收器对应的光纤输入端口，再将连接的解码器或AV接收器的信号源切换至对应输入通道。



注意：

同轴最高支持5.1 声道输出。

② USB音频输出连接解码器

使用USB音频数据线，将本机任意 USB Type-A接口连接到具备USB 音频输入的解码器接口。



USB音频设置方法：

通过大屏设置：**设置** —— **音频设置** —— **USB音频**

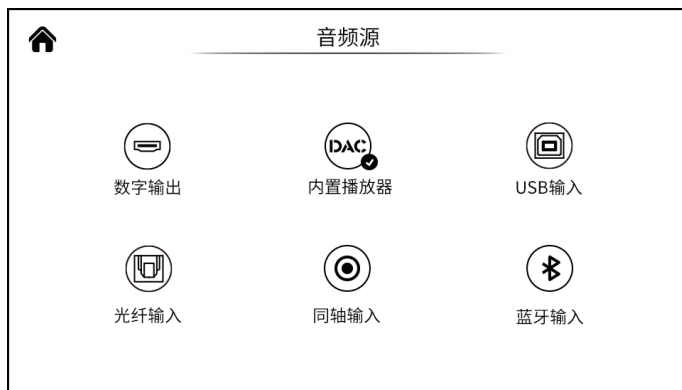
通过本机屏幕设置：**设置** —— **通用设置** —— **USB音频**

注意：

* USB音频输出会因搭配解码器不同，兼容性会有差异，遇到无法兼容的解码器，请和我们技术支持联系反馈。

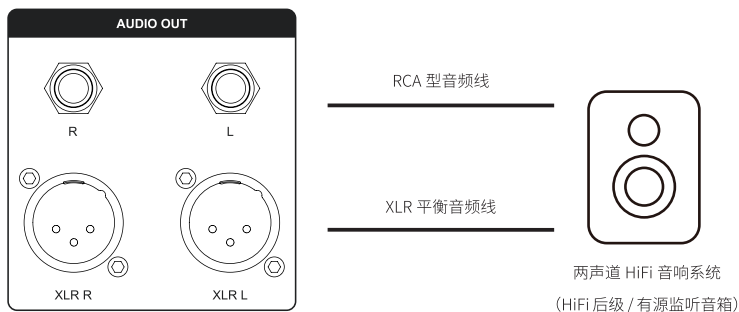
2. 模拟音频输出与设备的连接

本机模拟输出包括RCA、XLR、耳机接口，音频均经过本机ES9038Pro DAC解码输出，内置播放器播放需要打开音频源设置“DAC（内置播放器）”外部音频输入需切换到对应的音频源输入，模拟输出时数字端口的音频信号输出将会关闭。



① RCA、XLR输出连接两声道后级功放或有源音箱

用一对RCA型或XLR平衡卡侬模拟音频线，将本机RCA或者XLR平衡输出端口与有源音响或者HiFi后级设备对应的接口连接。

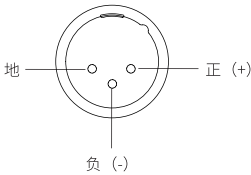


注意：

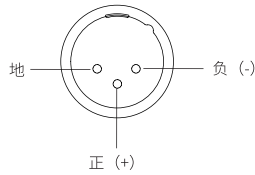
* 本机配备了两组独立立体声输出端口：RCA型和XLR型平衡端口可同时输出音频信号，二者选择一种即可，建议优先选择XLR平衡端口连接，可获得更佳的噪音抑制和信号完整性。

* NEO α的平衡输出为三插脚XLR公型端口，输出一对差分信号（正/负信号）

在某些音频系统上，正负极性是对调的，NEO α默认为正向极性如下示意，如需对调极性，可以在**设置——DAC音频——XLR极性设置为反向**



设置正向时端口极性示意



设置反向端口极性示意

② 耳放输出连接耳机

本机具备耳放功能，前面板提供有一个6.35mm单端输出接口，请将同标准的耳机插头连接至本机对应耳机接口。



注意：

* 本机推荐匹配耳机阻抗范围16-300Ω（低增益模式：16-32Ω/高增益模式32-300Ω）。

* 耳放增益模式切换：

通过本机屏设置，**设置——DAC设置——耳机增益设置（低增益/高增益）**

* XLR平衡/RCA前级输出与耳机输出同时连接时，6.35mm耳机音频优先输出。

三 . 数字音频输入的连接

1. USB 音频输入设备的连接

使用一条USB Type-A型接口转USB Type-B型接口的连接线，可直接将NEO α与个人电脑、具备USB 音频输出的播放设备以及手机等连接。

需在系统对应音频源设置中选择该输入源：



注意：

* 由于操作系统与播放软件的差异，您可能需要安装对应的驱动软件或进行软件设定来支持电脑或者外部播放设备向NEO α传输音乐。

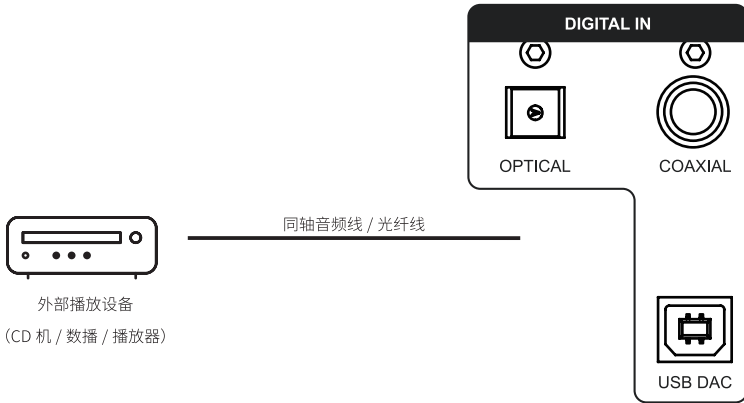
* Windows系统需要在PC上安装音频驱动才可使用，驱动程序请在官网服务中心下载或联系技术人员获取；Mac OS系统、iOS与Android系统无需安装驱动。

* USB输入最高支持立体声 DSD512、PCM 768KHz 32Bit、MQA格式，实际规格受外接的播放硬件设备和软件支持情况影响。

2. 同轴 / 光纤与音频输入的连接

使用光纤/同轴数字音频数据线将一台播放设备的光纤/同轴输出，连接到本机的数字光纤/同轴音频输入接口，进行音频的解码输出。

需在系统对应音频源设置中切换输入源为：



注意：

- * 同轴连接，请使用75欧姆同轴音频专用信号线连接。
- * 光纤连接，请使用标准光纤音频信号线连接。
- * 光纤/同轴输入，最高可支持立体声PCM 192KHz采样频率。

3. 蓝牙音频输入

本机内置了高通旗舰QCC5125蓝牙音频接收模组，支持SBC/AAC/aptX/aptX LL/aptX HD/LDAC等无损音频协议，可作为高品质蓝牙解码器使用，与众多移动设备蓝牙配对，即可通过无线蓝牙播放。

需在系统对应音频源设置中切换输入源为：

音频源设置 —— 选择  蓝牙输入，在移动端打开蓝牙搜索设备“NEO α”，配对即可。

注意：

* 本机蓝牙实际接收格式，取决于蓝牙发送设备的输出，安卓手机通常可以在安卓手机系统开发者选项中切换蓝牙输出格式，建议选择aptX HD、LDAC无损格式。

四. 网络音乐推送

NEO α支持多种协议进行网络音乐的推送播放，当移动设备与NEO α处于同一个网络内，可以在移动设备上使用DLNA 向本机推送音乐。

先打开NEO α屏幕主页中“媒体中心”——“DLNA”，再打开移动设备中支持DLNA推送的app，播放app里的一首歌曲并点“投屏”按钮推送到NEO α。



* DLNA推送的使用体验可能会因为设备和app的差异而有所不同。

文件管理器

一. 本机屏幕文件管理器的编辑功能使用

通过NEO α本机屏幕打开文件管理器，可对文件进行常规的编辑操作，本机内置硬盘、USB外接存储设备以及网络服务器中的媒体文件进行复制、粘贴、剪切以及删除操作，外部存储的文件可快捷复制到本机内置的SSD等功能。



1. 外部存储设备文件快捷拷贝到本机SSD

文件管理器，选择一个设备文件目录，点“编辑”——**全选/单选** 需要拷贝的母版文件夹/文件，点“复制到SSD”即可，也可以通过下面方式进行拷贝。

2. 外部设备文件之间的拷贝

文件管理器，选择一个设备的文件目录，点“编辑”——**全选/单选** 需要复制的母版文件夹/文件，点“复制”或“剪切”，再到要复制到的目标设备文件目录，再点击“粘贴”即可。

3. 文件的删除

文件管理器，选择一个设备的文件目录，点“编辑”——“全选/单选”需要删除的文件或文件夹，选**确认**即可。

注意：

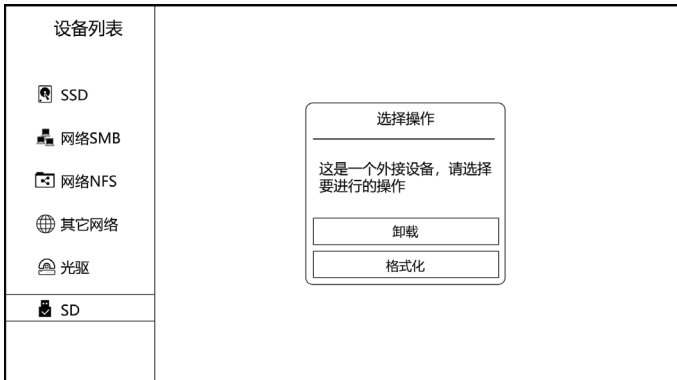
- * 在网络存储设备中对文件粘贴操作，需该设备具备写入权限。
- * 删除文件，将会彻底删除所选文件数据无法恢复，请谨慎操作。

二. 大屏文件管理器的编辑和管理功能使用

使用NEO α的HDMI连接显示大屏操作系统时，通过大屏系统文件管理器可以对储设备进行更多的编辑功能和管理操作，功能如下：

1. 硬盘的卸载与格式化

打开文件管理，按“左键”可以选择连接的存储设备，再按一次“左键”可以对硬盘进行卸载与格式化的操作。

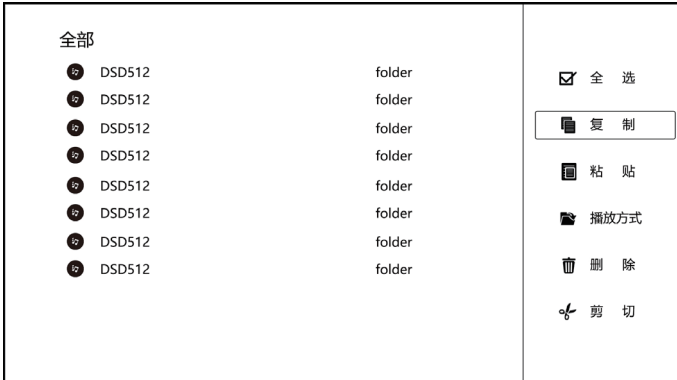


卸载：卸载当前连接的USB存储设备

格式化：对当前的USB存储设备进行格式化操作，支持卷标名称编辑，格式选择

2. 文件的编辑与操作功能

通过HDMI 连接显示大屏操作系统时，打开文件管理，在硬盘文件目录按遥控器“菜单”键或“右键”可对文件进行如下操作。



多选/全选： 选择需要操作或编辑的文件

复制： 对所选的文件进行复制

粘贴： 粘贴复制的文件

播放方式： 选择的该文件以何种播放器进行播放，适用于当文件需要通过第三方播放软件播放

删除： 将所选的文件删除

剪切： 对所选的文件执行剪切操作

收藏： 收藏所选的文件

刷新： 刷新当前页面

重命名： 将所选文件重新命名

新建： 在当前目录新建一个文件夹或文件

视图： 设置文件浏览的视图模式和排列方式

设置： 对文件管理器一些高级功能的设置

* 在网络存储设备中对文件粘贴、重命名、新建操作，需该设备同时具备写入权限。

* 格式化和删除文件操作，将会彻底清掉文件数据无法恢复，请谨慎操作。

音乐播放器

NEO α系统内置高清数字音乐播放器，可支持播放内置SSD、硬盘及局域网NAS（SMB/NFS/UPNP/Webdav）网络存储器中的高清无损音乐，还可跨设备将所有音乐文件一次性添加到音乐播放器，经过智能匹配，自动生成音乐库，音乐资源的分类管理、收藏、查找以及点播，更直观便捷。

一. 本地音乐文件的添加

1. 使用机身显示屏添加

打开本机，在屏幕主界面，确保网络连接成功，点击“音乐库”——“文件夹”——点击“添加音乐目录”——选择音乐所存储的设备（硬盘、NFS/SMB家庭网络服务器），找到音乐所在的文件目录——点击确认，等待扫描完成即可。

* 长按添加的文件目录可以进行全部播放、扫描和移除的操作。

2. 使用HDMI外接的显示屏添加

添加方法与以上机身小屏方法大致相同，首次使用可根据屏幕指引添加设备，扫描音乐文件目录即可。

二. 音乐的播放

音乐文件目录添加并扫描完成后，就可以在“音乐库”下的分类菜单：“单曲”、“艺术家”、“专辑”、“文件夹”中分类查看音乐文件了，进入对应文件列表后点击需要播放的曲目即可播放，点击屏幕右上角的播放状态图标可以直接进入正在播放的详情页。

三. 音乐播放状态的显示和播放控制

音乐正在播放的详情页面可以显示当前曲目的专辑封面、歌曲名、采样规格、播放进度以及控制按钮。



1. 按钮功能说明



收藏： 当前播放的歌曲添加到我的收藏

播放控制： 上一曲/下一曲、暂停/播放控制

播放模式切换： 列表循环、单曲循环、随机播放、顺序播放模式的切换

播放队列： 查看当前播放曲目所在分类中的所有音乐播放队列，比如从艺术家进入选择某一个艺术家分类下的单曲，此时播放队列就是该艺术家下的所有曲目清单，其他分类单曲、专辑、收藏，我的歌单等同理。

2. 音乐的收藏

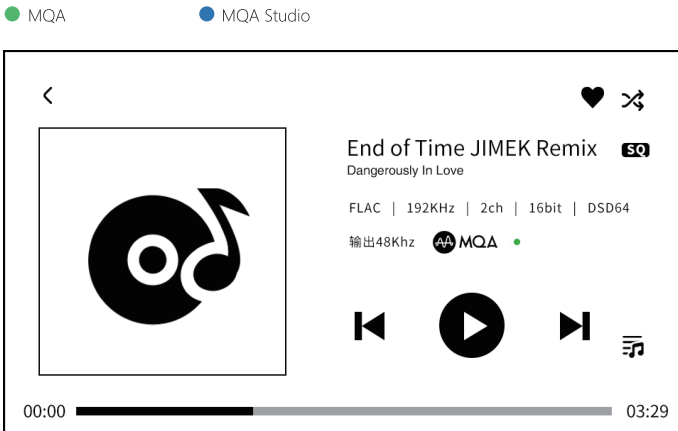
- ① 当前播放的单曲收藏：正在播放音乐的详情页，点击  直接收藏当前播放的歌曲
- ② 单曲目录自由选择收藏：艺术家、专辑、文件夹中展开的音乐列表中长按需要收藏的歌曲，在弹出的菜单中选择收藏
- ③ 播放队列批量收藏：音乐当前播放的详情页，点击播放队列，点击右上角  直接批量收藏当前全部播放队列的音乐，通过此方式可以收藏某个艺术家、专辑下的全部曲目。

3. 新建或添加我的歌单

- ① 新建和添加单曲到歌单：在收藏、艺术家、专辑、文件夹中展开的音乐列表，长按单个歌曲在弹出的选框中选择“添加到歌单”——“新建歌单”——输入需要新建歌单名称，再选择新建好的歌单，即可添加成功。
- ② 批量添加到歌单：在音乐当前播放的详情页，点击播放队列，点击右上角“添加”按钮——选择需要新建或者建好的歌单，即可将当前播放队列的全部歌曲批量添加到所选歌单中。

四 .MQA (Master Quality Authenticated)

NEO α 包含MQA技术，能够播放MQA音乐文件和音乐流，提供原始母带录制的声音。为了确认 NEO α 是否正确解码和播放MQA文件/流，播放时，会在播放页面用绿灯或者蓝色表示MQA状态。蓝灯亮起表示设备正在播放MQA Studio文件，播放的文件已在艺术家/制作人的工作室批准或得到版权所有者的验证。




设备控制

一. 通过本机遥控器控制设备

1. 遥控器配对

NEO α配备了蓝牙红外双模遥控器，使用前建议按照开机向导中蓝牙配对指引进行遥控配对。

遥控器蓝牙配对方法：将遥控器对机器，同时按住  与  键5秒

2. 遥控器控制对象的切换

本机遥控器控制对象是指，可以通过设置选择遥控对大屏或小屏进行控制，默认为自动模式。

设置方法：机身设置—通用设置—遥控器作用于

自动模式：本机HDMI未连接任何显示设备时，遥控对本机屏幕（小屏）进行控制，当连接有HDMI设备时，将对连接的显示设备（大屏）进行控制

前置显示屏：此选项仅控制本机显示屏（小屏）

外接显示设备：此选项仅控制连接的显示设备（大屏）

3. 遥控器自定义快捷功能键

本机遥控器提供有红、绿、蓝三个自定义功能键，方便用户根据需要设定快捷功能

功能键自定义设置：

任意按下遥控器颜色键，在弹出功能键页面中指定颜色键对应的快捷功能即可

功能键功能更改：

系统全部应用——功能键应用——重新选择颜色键对应的功能

二 . 通过智能手机 /ipad 控制设备

用户在移动端安装ZIDOO Controller 控制APP，可以通过手机控制Zidoo播放器的所有功能，也包含文件管理器、应用、音乐播放器、海报墙数据的浏览控制以及对本机系统的设置。

1. 控制应用的安装

请参照电视屏幕打开设备“**所有应用程序——控制中心**”或者进入机身屏幕，**设置——控制中心**，扫描对应系统平台的二维码下载安装。

注意：

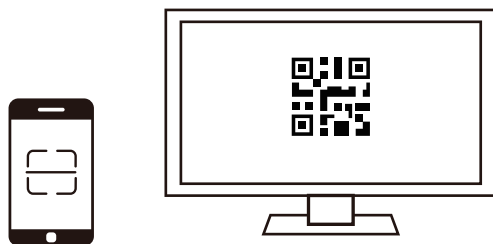
* 应用支持安卓（手机）与IOS系统（手机或平板），也可以在本手册第P27页，扫描对应二维码下载安装。

* ISO系统可以在“Apple Store”搜索“Zidoo”下载安装。

2. 设备的连接

应用安装完成后，确保设备连接网络，且移动设备与播放器处在同一个局域网内，按照以下步骤添加设备。

连接步骤：打开手机控制APP“**+ 添加——扫描设备控制中心二维码或点扫描**”，在设备屏幕弹出控制授权，点击确认即可连接。



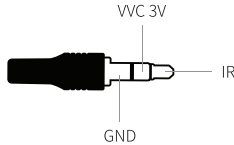
三 . 其它控制设备

1. IR中控与延长装置的使用

本机后面板3.5mm IR是外部红外控制信号的输入接口，影音集成商在安装智能中控时，可以作为备选的IR控制接口与中控主机进行连接，红外代码请参照官网服务支持页面IR控制代码文档。

个人用户如果将本机放入封闭机柜使用时，避免因障碍阻挡无法通过红外控制，可自行配备外部红外接收的延长装置配合使用。

IR接口引脚示意图：



2. RS232串口控制

NEO α提供标准的RS232控制串口，如果您是集成商可以将此端口与中控设备连接，整合到定制的家庭影院智能中控系统中，RS232控制代码文档可参考官网服务支持页面下载或扫描本册**页RS-232控制二维码阅读电子文档。

个人用户如果将本机放入封闭机柜使用时，避免因障碍阻挡无法通过红外控制，可自行配备外部红外接收的延长装置配合使用。

注意：

* 中控相关的安装与调试相关服务与咨询请与经销商联系。

3. HDMI CEC控制

NEO α支持HDMI CEC控制，HDMI CEC是多个HDMI端口之间的控制通信，通过HDMI端口可以将CEC指令传递给其他设备。当NEOα通过HDMI与其他支持CEC的智能电视或者AV接收器连接时，可以通过芝杜遥控器控制电视、AV接收器，与之兼容的设备可以进行开关机或者功能控制，支持控制AV接收器透传模式时的音量大小，也可以通过电视的遥控器控制本机。

打开HDMI CEC方法：设置——其他设置——HDMI CEC

注意：

* 本机仅HDMI Main 端口支持HDMI CEC，HDMI 副口不支持该功能。

* 使用此功能需要外接的设备支持同等控制功能，因为不同设备的差异化，可能会存在不兼容情况。

OTA 系统升级

为了不断提升产品兼容性和产品新功能的体验，Zidoo 会不定期对本机系统进行固件升级，新固件发布后，建议您及时升级系统，以便获得更多新功能。

NEO α 系统升级，可选择通过大屏或者小屏进行升级操作，支持网络定期在线推送升级与本地升级方式。

一. 通过大屏升级系统

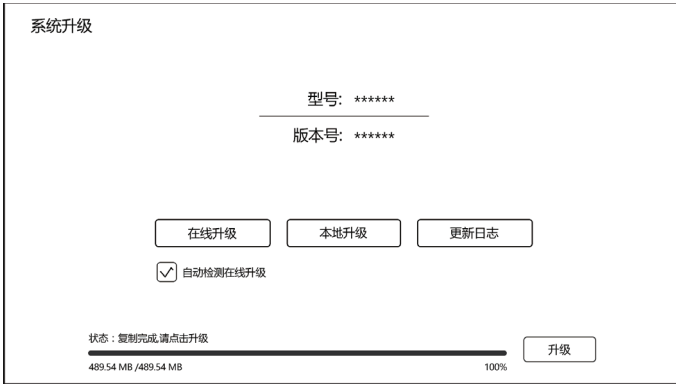
1. 在线升级

在升级页面，点“在线升级”选项，勾选接收测试版，再点在线升级，将通过网络获取最新升级信息，按照屏幕提示完成升级，等待升级完成机器自动重启。



2. 本地U盘升级

通过官方公众号或者官网等渠道手动下载本机升级文件包至U盘中，将含新版升级文件的U盘接入机器，升级页面点击“本地升级”选项，选择升级文件包，按照屏幕提示完成升级操作，待升级完成机器重启即可。

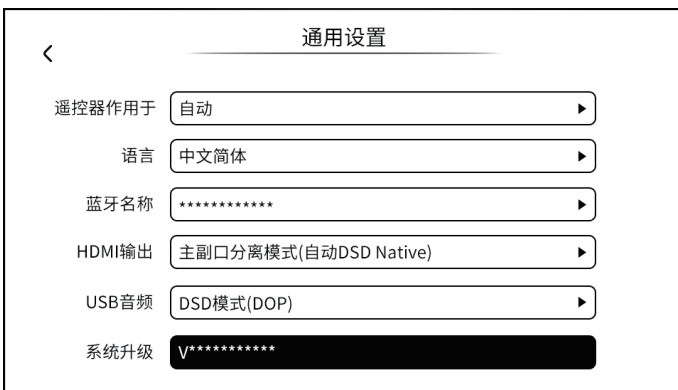


注意：

- * 固件升级过程中请勿将设备断电
- * 建议使用FAT32格式U盘进行升级
- * 下载的升级文件包不需要解压

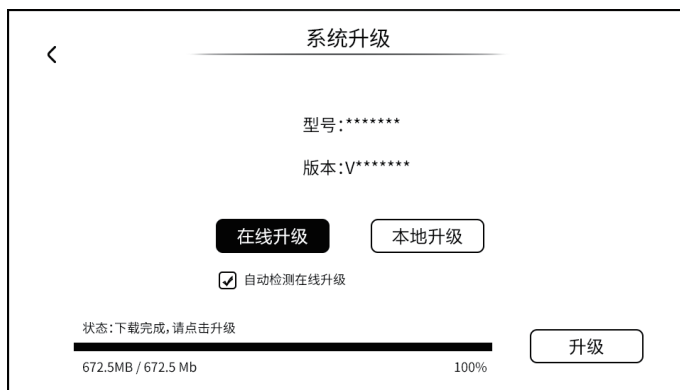
二 . 通过本机屏幕升级系统

在机器屏幕，选择：**设置** —— **通用设置** —— **系统升级**



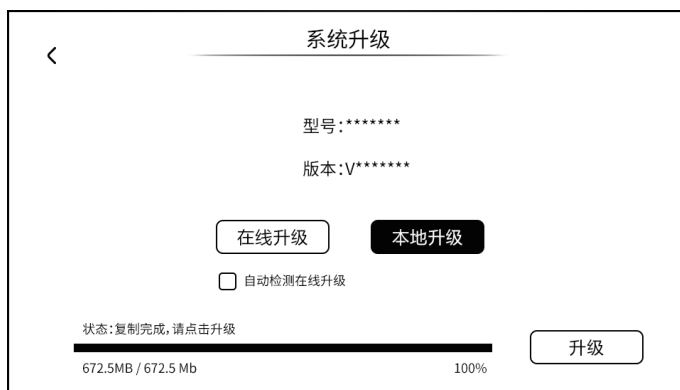
1. 在线升级

在升级页面，点“在线升级”选项，将通过网络获取最新升级信息，按照屏幕提示完成升级，等待升级完成机器自动重启。



2. 本地U盘升级

通过官方公众号或者官网等渠道手动下载本机升级文件包至U盘中，将含新版升级文件的U盘接入机器，升级页面点击“本地升级”选项，选择升级文件包（无需解压），按照屏幕提示完成升级操作，待升级完成机器重启即可。



资源下载：

* 推荐使用手机浏览器扫描二维码。



IOS 控制 APP



Android 控制 APP



RS-232 协议代码



IR 协议代码

特别说明：

为了提升用户体验，芝社会不定期对产品的固件进行升级。本说明书内容可能会与产品实际使用存在差异，使用功能说明、参数等如有更改，恕不另行通知。

更多详细的功能使用方法，请访问Zidoo官网，参阅服务支持页面教程文档。

安全警示：

- 1、本设备不得遭受水溅或水滴，不得在设备上放置类似花瓶一类装满液体的物品。
- 2、本产品断开电源装置为电源输入插头或背面电源开关，为了便于操作，电源插头或电源开关附近不能被其他物体阻挡。
- 3、本产品为I类产品，使用此产品须确保要有良好的接地措施。



* 本产品仅适用于海拔在 2000 米以下正常使用。

* 本产品为 I 类产品，需连接到带有保护接地连接的电网电源输出插座上。

NEO α Introduction

NEO α is an all-in-one player integrated 4K UHD media player, music streamer, audio and video center, headphone amplifier, music decoder and high fidelity Bluetooth decoder.

As a 4K UHD media player, it comes with a powerful movie poster wall system to display local movie sources interactively, along with functions of movie information matching, quick searching and collection classification. The decode and output up to 4K 60Hz 12Bit HDR10+/Dolby Vision. Dual HDMI output provides audio video separate output function to display excellent audio and video quality.

As a high definition music streamer, it can play audio from diverse storage devices, such as hard drive, PC and NAS. NEO α is capable of playing ultra-high sampling rate music formats such as MQA, SACD ISO, DFF, DSF, FLAC, WAV, APE etc. It can not only manage local music source but also stream music from streaming applications and online streaming ways like DLNA.

In addition, NEO α is a digital music decoder supporting DTS multi-channel output. HDMI DSD can output up to DSD 64 5.1 channels, which provides great convenience for DSD master record enthusiasts.

NEO α supports lossless Bluetooth, optical, coaxial, and asynchronous USB audio input. ES9038 Pro and XMOS is the core of high performance audio decoding, which can decode master record files with DSD 512(Native) 22.5792 MHz and 768kHz 32bit PCM.

The 5-inch OLED display screen will show system menus intuitively, such as general settings, music library, playback status and input source sampling rate etc. It can be controlled easily by remote control, mobile phone, touch screen and smart control ports.

NEO α is a high end all-round device for home theater and HiFi music. Rich functions help to avoid cumbersome equipment connection and matching problems. It is dedicated to provide excellent audio video quality and user-friendly experience for you.

Specification

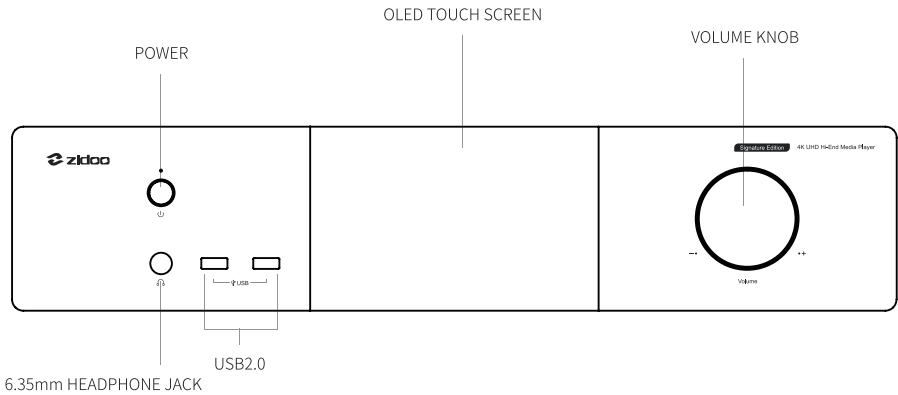
Material	Aviation aluminum alloy
Display	5-inch OLED HD touch screen
CPU	Realtek RTD1619DR ARM Cortex-A55(hexa-core)
OS	Android 9.0
GPU	ARM Mali-G51 MP3
Internal Storage	4GB DDR4 (RAM)+32GB eMMC
Internal SSD	512G SSD (M.2 SATA 3.0 2280 interface)
DAC	ES 9038Pro
Bluetooth	BT 4.2 / BT 5.0 (audio reception)
Wi-Fi	2.4G+5G dual WiFi, 802.11 a/b/g/n/AC 2T2R MIMO 867Mbps
Ethernet	1*RJ-45(10/100/1000Mbps)
HDMI Main (HDMI 2.0a)	Video: 4K@60fps/HDR/12Bit/BT2020/YCbCr 4:4:4; Audio: multi-channel passthrough (film), PCM 192khz (music)
HDMI DSD (HDMI 1.4)	Music: DSD 64 /2.0/5.1CH(Native), PCM 192khz Film: multi-channel passthrough
Video Decoding	Up to 4K@60p HEVC/H.265 12Bit HDR10, HDR10+, Dolby Vision
Audio Decoding	Up to DSD512, PCM 768KHz 32Bit , MQA
Bluetooth Audio Input	Qualcomm QCC5125 Bluetooth audio module, support lossless audio protocols including aptX HD/LDAC/AAC/SBC
USB Audio Input	USB Audio compatible system: Windows (7, 10), Mac, Android, IOS Up to DSD512 (Native), PCM 768KHz 32Bit, MQA
Digital Audio Input	USB DAC input, Optical input, Coaxial input, Bluetooth audio input
Digital Audio Output	Optical output, USB audio output, HDMI output, Bluetooth audio output
Analog Audio Output	Preamp output: XLR (balanced)*1, RCA*1; Amp output: 6.3mm single-ended*1
Headphone Impedance	16-300Ω (low gain mode 16-32Ω/high gain mode 32-300Ω)
USB Interface	USB3.0*2, USB2.0*2
Internal SATA	Internal SATA3.0 HDD bay*1 (to install 2.5/3.5 HDD, HDD is NOT included)
Control Interface	IR IN*1, RS232*1, TCP/IP control (supports wake on LAN)
Power Supply	AC 110~240V 50/60Hz
Dimension	430mm*300mm*105mm

Specification

Packing List	Remote control*1, power cord*1, hard disk fixing screw*4, user manual*1
Analog Audio Characteristics	<p>XLR(balanced) Output</p> <p>Output Level(Vrms): 4.3 Vrms THD+N: -115dB(0.000167%@1khz) Noise: <2uVrms SNR: 127dB@1khz Frequency Response: ± 0.25dB(20Hz-20kHz) Crosstalk:-130dB@1khz DNR:127dB@1khz</p>
	<p>RCA Output</p> <p>Output level: 2.1 Vrms THD+N: -114dB (0.000185%@1khz) Noise: <2uVrms SNR: 125dB@1kHz Frequency response: ± 0.25dB (20Hz-20kHz) Crosstalk: -126dB@1khz DNR: 125dB@1khz</p>
	<p>6.3mm headphone single-ended output</p> <p>Low-gain mode</p> <p>Output level: 1.1 Vrms THD+N: -109dB (0.00035%@1khz) Noise: <2uVrms SNR: 123dB@1khz Frequency response: ± 0.25dB (20Hz-20kHz) Crosstalk: -123dB@1khz DNR: 123dB@1khz Maximum undistorted power: 38mW (16Ω)</p> <p>High-gain mode</p> <p>Output level: 3.4 Vrms THD+N: -111dB (0.00035%@1khz) Noise: <2uVrms Signal to Noise Ratio (SNR): 124dB@1khz Frequency response: ± 0.25dB (20Hz-20kHz) Channel separation (CROSSTALK): -124dB @1khz Dynamic Range (DNR): 124dB@1khz Maximum undistorted power: 39mW (300Ω)</p>

Hardware Introduction

1. Front



① Touch screen

The touch screen can be used for most control and setup operations.

② Power

Power on/off the device.

③ Volume knob

Rotate clockwise to increase volume while counter clockwise to decrease volume.

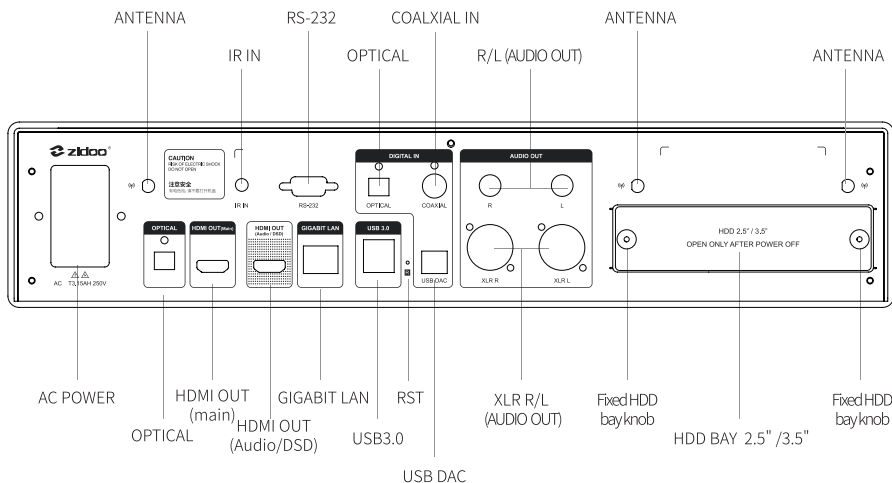
* In the DAC IN mode, volume can be adjusted with step 0.5db~3db in DAC setting.

④ LED light control

NEO α volume knob has been surrounded by ambient LED light. It is a breathing light when booting while it will keep on after booting successfully, the LED light can be turned on/off and brightness can be adjusted.

There are three modes on touch screen **Setting — Display Settings — LED**

2.Back

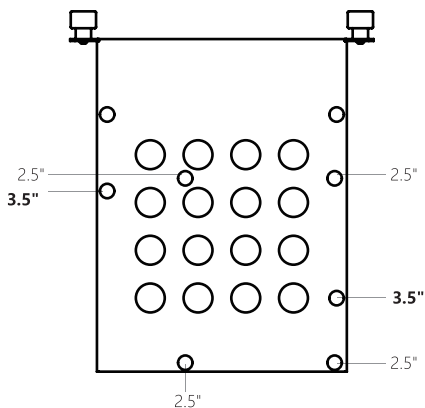


How to load a hard drive

A SATA 3.0 HDD bay is on the rear panel, which can load a 2.5" or 3.5" hard drive (hard drive isn't included).

Loosen 2 knobs on the rear panel which fix the HDD bay, then pull the HDD bay out.

Take out screws in the accessory box, put the hard drive into HDD bay and screw it in corresponding positions by screwdriver as the diagram shown; Put the HDD bay back into the device, and tighten knobs by hand.



Bottom view of HDD bay

Notes:

* 16TB hard drive capacity is supported by the device maximum.

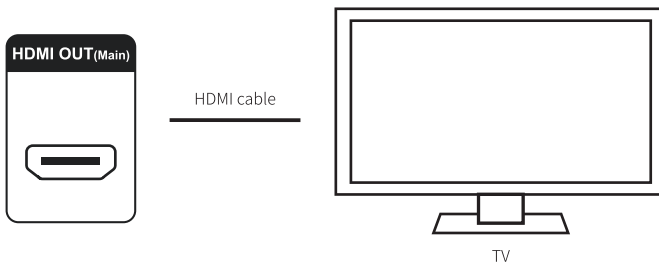
* Don't load or exchange hard drive when the device is powered on. Supported hard drive formats are EXT3, EXT4, NTFS, FAT32, EXFAT.

Connection and Installation

1. HDMI Device

① Connect with TV

Make sure both TV and NEO α are power-off, connect these two devices by HDMI cable from NEO α HDMI OUT port to TV HDMI IN port. And choose the correct signal source on TV after powering on.

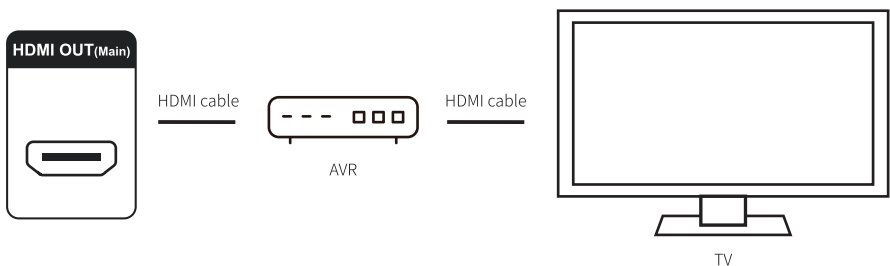


Notes:

- * Please use HDMI 2.0 or above cable and display device to enjoy 4K UHD HDR experience.
- * The small screen will be turned off when playing movie in order to ensure better experience.

② NEO α (HDMI Main) — AV Receiver— TV

Make sure AV Receiver, TV, and NEO α are all power-off. Two HDMI cables are required, one cable connects from NEO α HDMI Main port to AV Receiver HDMI IN port, another cable connects from AV Receiver HDMI OUT port to TV HDMI IN port. Choose the correct signal source on AVR and TV respectively after powering on.



Notes:

* In order to get wonderful 4K UHD HDR experience, please ensure that HDMI cable, display device and AV Receiver all can meet the corresponding technical specifications.

* HDMI OUT and DAC analog cannot output at the same time. In order to output audio from HDMI, we have to turn off DAC.

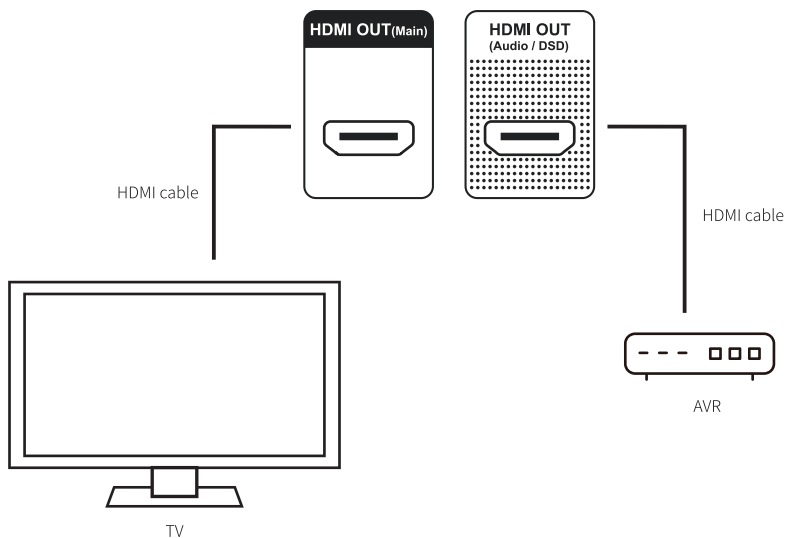
Settings > DAC Audio > Source In > turn off DAC.

* NEO α supports RAW audio passthrough, if your AV receiver support more advanced formats, please set HDMI audio to RAW.

Settings > Audio > HDMI Audio > RAW.

③ NEO α (HDMI Main) — AV Receiver— TV

Make sure that the TV, AV receiver, and NEO α are all power-off, one HDMI cable connects from NEO α HDMI Main port to TV HDMI IN port. The other HDMI cable connects from NEO α HDMI DSD to AV receiver HDMI IN port. Choose the signal source on AV receiver and TV separately after powering on.



③ How to choose HDMI output mode

There are 3 HDMI output modes for NEO α, which can be chosen according to the connected audio devices. These 3 output modes are Main and secondary port separation mode (auto DSD Native), Main port + Secondary port mode(DSD to PCM), Main and secondary separation mode(forced DSD Native).

Setup through large screen: **Settings > Audio Settings > HDMI Output**

Setup through touch screen: **Settings > General Settings > HDMI Output**

HDMI output modes description:

Main and secondary port separation mode (auto DSD Native):

Separate audio and video output, video outputs, from the HDMI main port, audio outputs from the secondary port. The secondary port automatically output DSD Native or PCM according to the capability of the connected AV receiver.

Main port + secondary port mode (DSD to PCM):

The HDMI main port outputs audio and video, the secondary port only outputs audio. DSD will output to PCM by default.

Main and secondary port separation mode (forced DSD Native):

Separate audio and video output, video only outputs from the HDMI main port, audio outputs only from the secondary port. DSD Native output will be output compulsively, the AV receiver should support DSD when this mode is enabled.

Notes:

*It is suggested to enable Main and secondary port separation mode (forced DSD Native) if AV receiver supports DSD multi-channel decoding. So that DSD file will output up to DSD 64(Native) 2.0/5.1CH.

*Audio passthrough is supported by NEO α HDMI output. If AV receiver can support more advanced audio formats, then audio passthrough is recommended to you:

Settings > Audio Settings > HDMI Audio > Audio passthrough

*In order to achieve 4K UHD HDR, please make sure the HDMI cable, display device and AV receiver will all meet corresponding technical specifications.

*HDMI output and DAC analog output cannot be enabled at the same time. Digital output should be set for connection methods referred above, so that audio will output from HDMI.

Settings > DAC Audio > Audio Source > turn off DAC

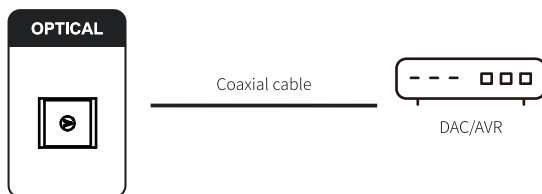
2.Installation and Connection of Audio Output Device

Digital audio output includes HDMI, Optical, Coaxial, USB and Bluetooth audio output. Please select the audio source as "Digital Output", meanwhile the DAC audio will be turned off.

① Digital Output

① Connect AV receiver/decoder via optical port.

The digital optical audio cable connects from NEO α optical port to AV receiver/decoder optical port, then switch the corresponding signal source.

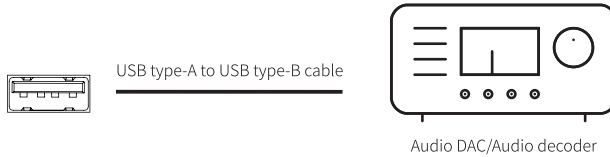


Note:

Optical output supports sampling rate up to 192KHz 5.1 channel.

② Connect decoder via USB audio output

The USB audio cable connects from NEO α USB Type-A to decoder's USB audio input port.



Setup through large screen: **Settings > Audio Setting > USB audio**

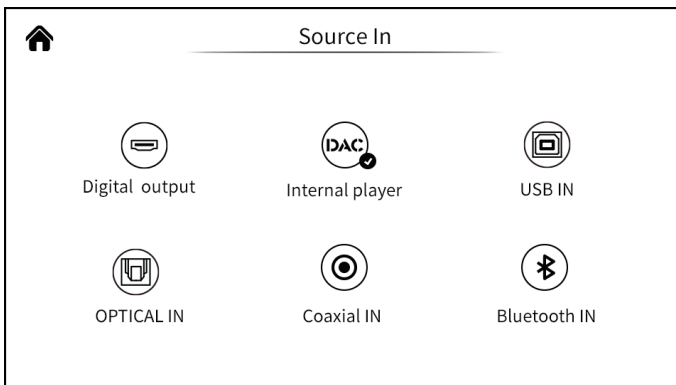
Setup through touch screen: **Settings > General Settings > USB Audio**

Note:

*There might be compatibility issue for the USB audio output of some decoders. Please contact with us for technical support when encountering an incompatible issue.

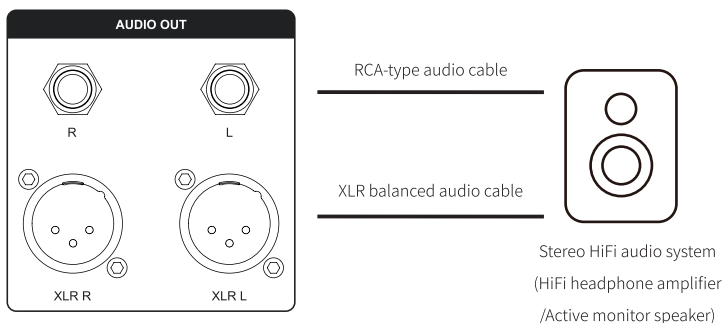
② Analog Output

NEO α output includes RCA, XLR and headphone jacks, which are all decoded by ES9038pro DAC. "DAC(internal player)" should be enabled as input source, then switch to corresponding audio source. Digital output will be turned off at that time.



1 Connect active speaker or HiFi rear amplifier by RCA/XLR

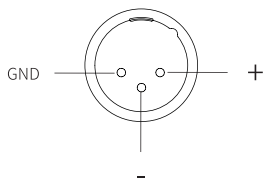
Connect NEO α RCA/XLR port to active speaker or Hi-Fi rear amplifier via a pair of RCA/XLR analog audio cable.



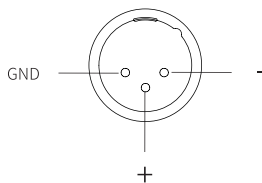
Notes:

* Two pairs of independent stereo output ports RCA and XLR are equipped in the device, choose one or the other. It is recommended to choose XLR as priority for noise suppression and signal completeness.

* It is a three-pin male port for NEO α balanced output, which will output a pair of differential signals (positive/negative signal). The positive and negative polarities are reversed in some audio system. The default positive polarity of NEO α is as follows. If reversing polarity is needed, then set it up by **Settings > DAC Audio > XLR port polarity**



Positive Polarity Diagram



Negative Polarity Diagram

② Headphone amp output

There is a 6.35mm single-ended port on the front panel. Please insert the corresponding headphone plug.



Notes:

* The recommended headphone impedance of the device is 16-300Ω (low gain mode 16-32Ω/high gain mode 32-300Ω)

* How to switch headphone gain modes:

Settings> DAC Settings> Headset gain: low gain/ high gain

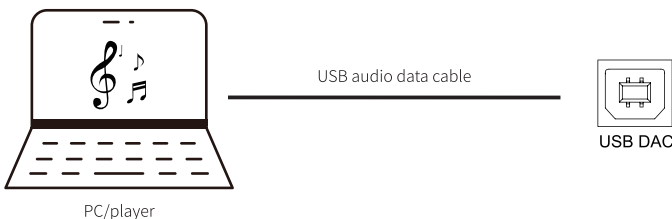
* When XLR, RCA and headphone jacks are connected simultaneously, 6.35mm headphone amp will be output as priority.

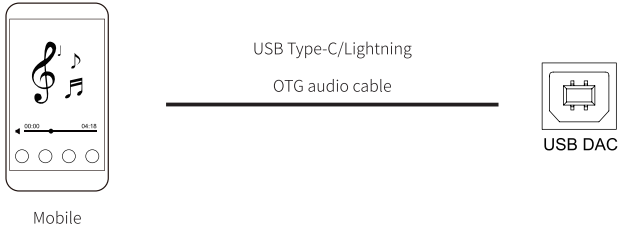
③ Digital Audio Input

① USB Audio Input

NEO α and PC/mobile phone/other USB audio input devices can be connected by a USB Type-A to USB Type-B cable.

Set the input source to USB IN by:





Notes:

* Drivers might be needed to be installed to support PC or external playback device to transmit audio to NEO α.

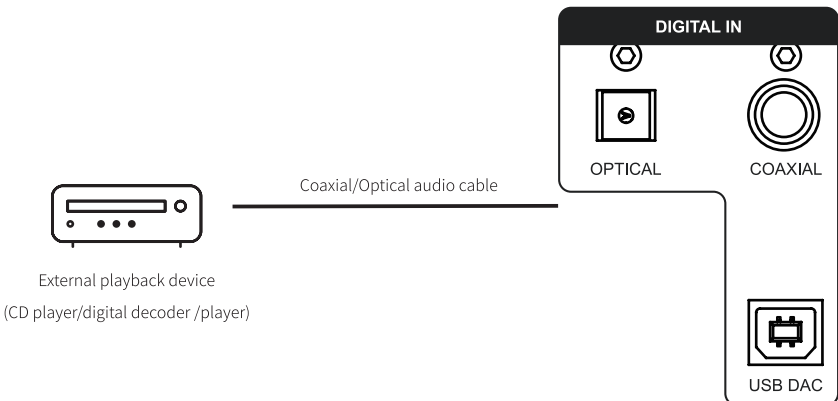
* Audio driver is needed to be installed for Windows on PC. Please download the driver on official website or contact technicians; No drivers are needed for Mac OS and Android.

* USB input supports up to stereo DSD512, PCM 768KHz 32Bit and MQA. The actual playback specifications are affected by hardware and software.

② Coaxial/Optical Audio Input

Connect a playback device to NEO α Coaxial/Optical port by a digital audio cable for audio decoding.

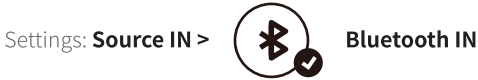
Set the input source to Optical/Coaxial input by:



3 Bluetooth Audio Input

A CSR8675 flagship Bluetooth audio module has built in the device, which supports SBC/ AAC/aptX/aptX LL/aptX HD/LDAC lossless protocols. So that it can be used as a Bluetooth decoder to pair and playback from mobile Bluetooth devices.

Set "Bluetooth IN" as input source and search "NEO Alpha" in mobile devices to be paired.



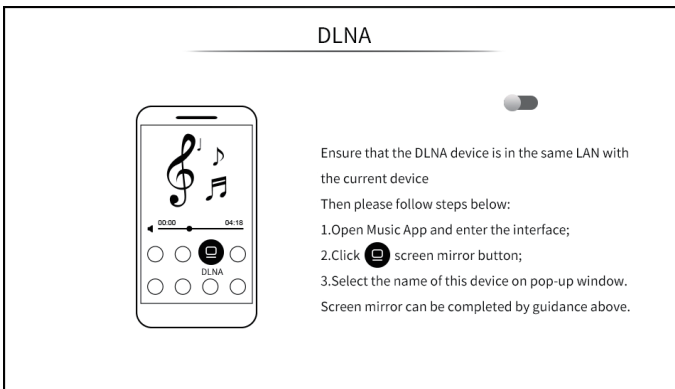
Note:

*The actually received formats on NEO α depend on the Bluetooth transmitting device. Generally Bluetooth output modes can be switched in the system developer option in Android phone. AptX HD and LDAC are recommended.

4 Music Streaming

Multiple protocols are supported by NEO α. Music can be pushed from the mobile device to NEO α by DLNA in same LAN .

Turn on Media Center>DLNA on NEO α display screen. Access the App on mobile device with DLNA, play music and cast screen to NEO α.



Note:

*DLNA using experience might vary due to different devices and applications.

File Manager

1. File Manager on Touch Screen

Open the File Manager on NEO a touch screen, then we can copy, paste, cut and delete files from internal hard drive, USB external storage device and network server. Files from external storage devices can be quickly copied to the internal SSD.



1. Copy files from external storage device to internal SSD

Select the file directory in File Manager, choose **"Edit > Select all/one folder/one file"**, then click "Copy to SSD".

2. Copy files between external storage device

Select the file directory in File Manager, choose **"Edit > Select all/one folder/one file"**, click "Copy/Cut" then "Paste" in the targeted device directory.

3. Delete files

Select the file directory in File Manager, choose **"Edit > Select all/one folder/one file"**, click "Delete" and confirm.

Notes:

* Files can only be pasted to network storage device with write permission.

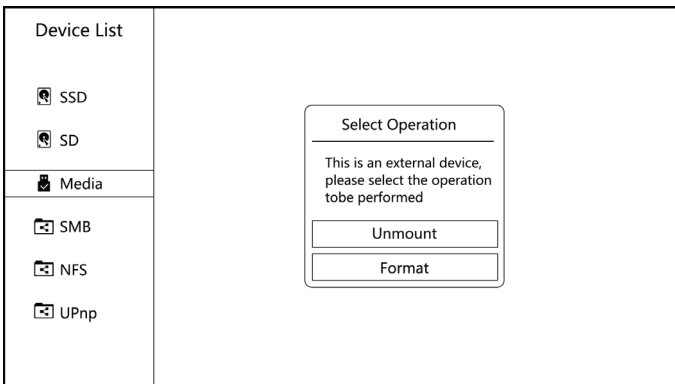
* Please be careful to delete files, data cannot be recovered once it is deleted.

2. File Manager on Large Display Screen

There are more functions in File Manager as follows when operating on large display screen:

1. Unmount and format the hard disk

Press left arrow key in File Manager to choose storage device, then press the key again to unmount or format hard drive.

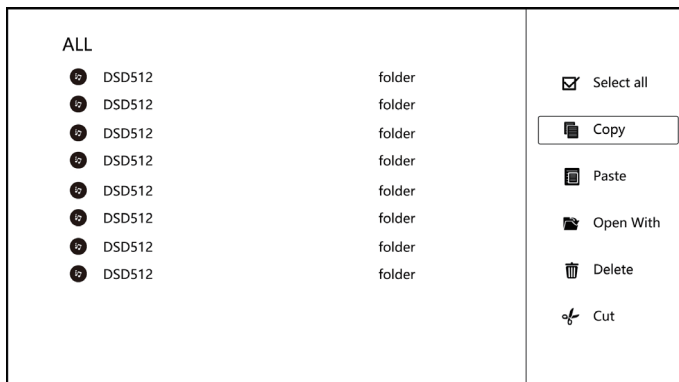


Unmount: Unmount the connected USB storage device.

Format: Format the USB storage device. Rename and format selection are supported.

2. Relevant file operation

Press "Menu" or "Right arrow" key on large screen to finish operations as below.



Select multiple/select all: select several files needed to be manipulated or edited

Copy: copy the selected file

Paste: paste the copied file

Play mode: select the playback mode, which is applied for third-party playback application

Delete: delete the selected file

Cut: cut the selected file

Favorite: put the selected file into my favorites

Refresh: refresh the current page

Rename: rename the selected file

New: create a new folder or file in the current directory

Viewport: set the view mode of file browsing

Settings: some advanced functions

Notes:

* Files can only be pasted /renamed /created to network storage device with write permission.

* Please be careful to delete and format files, data cannot be recovered once it is deleted.

Music Player

NEO α Music Player application can play lossless music from internal SSD, hard drive and NAS (SMB/NFS/UPNP/Webdav). Music files can be added across devices at a time. Music resource will be displayed intuitively in the music library after intelligent matching, it is convenient for music managing, collecting, searching and playing.

1.Adding Local Music Files

①. Adding from small touch screen

Turn on the device, make sure network is connected, then access into the Home page > Music library > Folder > Add music directory > Select music stored device(hard drive or NFS/SMB network server) and find the path of music file > Click OK and wait for scanning.

* Long press the file directory can play, scan and remove file.

②. Adding from HDMI display screen

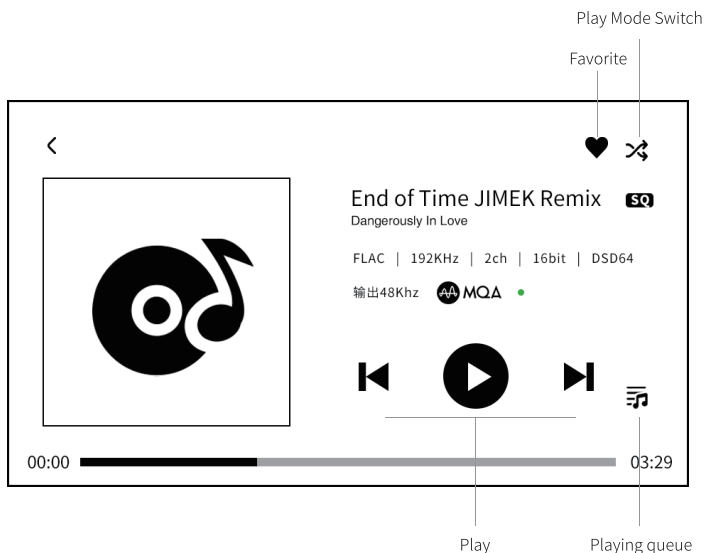
It is similar with operations on small touch screen, adding device and scanning music file for the first time according to the instruction on screen.

2.Music Playback

After adding and scanning music files, music will be displayed in music library in these categories: "Track", "Artist", "Album", and "Folder". Click the playback status icon in the upper right corner to enter into playback page.

3.Music Playback Status

Music playback page can display album cover, song name, sampling specification, playback progress and control buttons.



①. Buttons description

Favorite: add the currently playing song to my favorites.

Control buttons: previous song/next song, pause/play

Playback mode switching button: switch modes among list play, shuffle play, list cycle and single cycle.

Playing queue: check music playback order in the queue. For example, when playing songs from the artist category, the playing queue will include all songs in artist category.

②. Favorite music

① Add current-playing song to my favorites: click " ♥ " to add the current-playing song to my favorites.

② Add songs in categories into my favorites: long press songs in music list of artist, album and folder categories to add into my favorites.

③ Add songs in playing queue into my favorites: click the playing queue in music playback detailed page. click " ♥ " in the upper right corner to add all songs in playing queue into my favorites.

③. Create and add to playlist

① Create and add single to the playlist:

Long press a single song and select "Add to Playlist" in the pop up box > "Create Playlist" > Enter the name of the new playlist, then select the single into the new playlist.

② Add to playlist in batch:

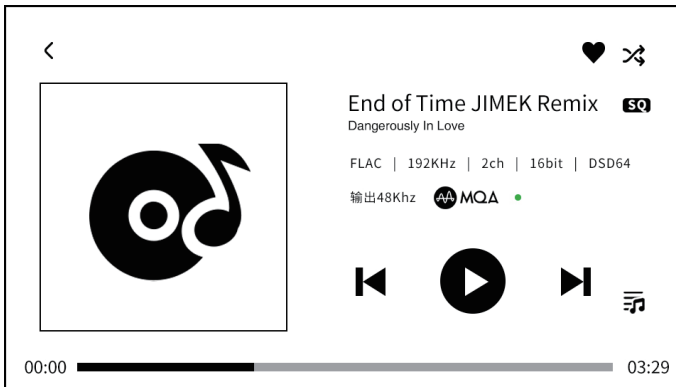
Click the playing queue in the upper-right corner of music playback page. Click "add" icon, select all music in playing queue to playlist.

④ . MQA (Master Quality Authenticated)

The NEO α includes MQA technology, which enables you to play back MQA audio files and streams, delivering the sound of the original master recording. The NEO α LED glows green or blue to indicate that the unit is decoding and playing an MQA stream or file, and denotes provenance to ensure that the sound is identical to that of the source material. It glows blue to indicate it is playing an MQA Studio file, which has either been approved in the studio by the artist/producer or has been verified by the copyright owner.

● MQA

● MQA Studio



Control Methods

1. Remote Control

① Remote Control Pairing

A Bluetooth infrared remote control is equipped for NEO α, it is recommended to pair the remote control according to the tutorial in Boot Wizard.

How to pair the Bluetooth remote control: Point the remote control at NEO α, press and hold

 and  keys for 5 seconds.

② Switch screens to be controlled

The remote control can act on small and large screens, it is in auto mode by default.

Setup: Settings > General Settings > Remote control acts on

Auto: when no display device has been connected with NEO α HDMI port, the remote control will act on touch screen (small screen). Whereas, it will control the connected display screen (large screen).

Touch screen: control NEO α touch screen only (small screen).

External display screen: control the connected display screen only (large screen).

③ Custom shortcut keys

There are three custom shortcut key (Red, Green and Blue) on the remote control.

How to set up:

Press any custom shortcut key on the remote control and set up on the popup menu.

How to exchange functions of shortcut keys:

Apps > Shortcut key > Re-select a function

2. Control by Mobile Phone/iPad

Users can control Zidoo media players by installing Zidoo Controller APP. File manager, applications, music player, poster wall and settings can all be controlled.

① Application Installation

Please find "**All APPs > Control Center**" on display device or "**Settings > Control Center**" on NEO α touch screen, then scan the QR code to download the APP.

Notes:

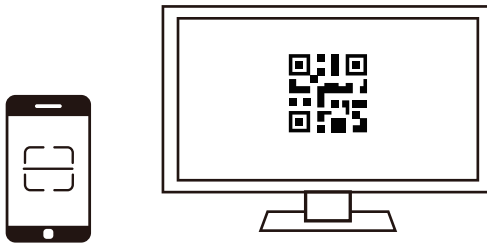
* Zidoo Controller app Android (mobile phone), IOS (iPhone and iPad) versions can be download on official website.

* Or search "Zidoo" in "Apple Store" to download app for IOS versions.

② Connection

After the APP is installed, please ensure devices are connected with network successfully, mobile device and Zidoo media player are in same LAN. Then following steps below to add device:

Open Zidoo Controller APP and click "+" in the upper-right corner then scan QR code in Media Center.



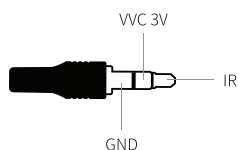
3. Other Control Methods

① IR Control

A 3.5mm IR jack on the rear panel is alternative for AV installer to integrate smart control system. Please refer to the IR code document on Zidoo official website.

When the device has been put into a sealed cabinet, an external IR receiver will be helpful to pass through obstacles and receive IR signals.

IR jack diagram



② RS-232 Control

There is a RS232 serial port on NEO α, it can be used to connect with relevant devices in smart control system for AV installer. Please refer RS232 protocol codes on Zidoo official website.

Note:

Please contact with local distributor for the installation and setup of smart control system.

③ HDMI CEC

HDMI CEC allows for HDMI devices to be controlled by one remote control. When NEO α connects with a CEC-compatible TV or AV receiver via HDMI port, Zidoo remote control can turn on/off NEO α, TV and AV receiver. Volume can also be controlled when AV receiver is in audio passthrough mode.

How to enable HDMI CEC: **Settings > Other Settings > HDMI CEC**

Notes:

* Only the HDMI Main port support HDMI CEC, HDMI DSD doesn't support HDMI CEC.

* Devices connected with NEO α should also support HDMI CEC, the compatible situation will depend on different devices.

OTA Update

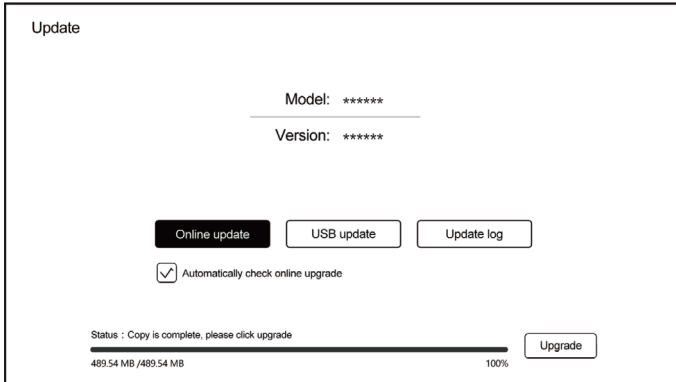
Zidoo will update firmware from time to time. After new firmware is released, it can be updated through the OTA to experience new functions. NEO α OTA update can be updated through large display screen or small touch screen. Both online update and USB update are supported.

1.Update on Large Display Screen

Access "APPS" on the homepage and find "Update" icon.

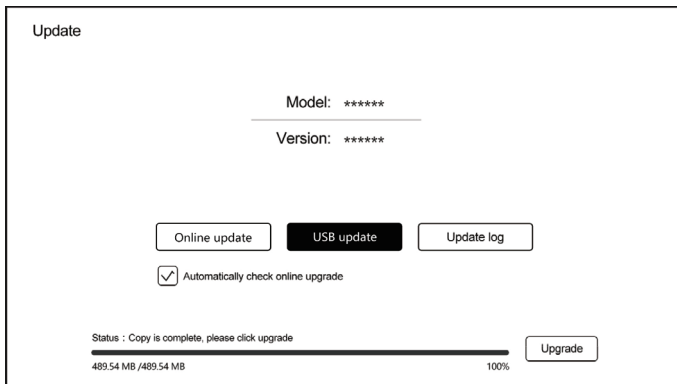
① Online Update

Click the "online update" option to obtain the latest firmware information through the network. Follow instructions to update and wait the device to restart automatically after the update is finished.



② USB Update

Download firmware from official website to a USB stick, insert the USB stick to the device, and then click "USB update" option. Follow instructions to update and wait the device to restart automatically after the update is finished.

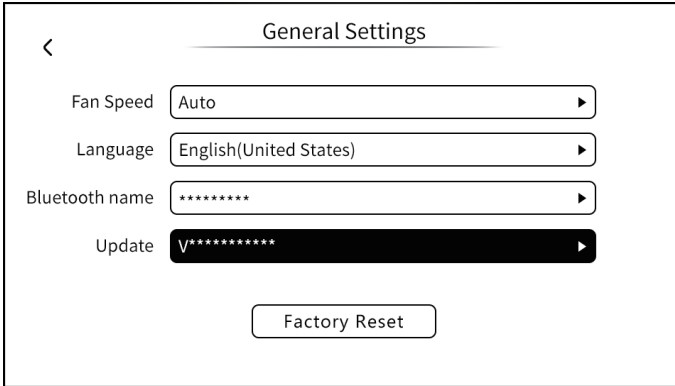


Notes:

- * Don't power off during the process of firmware upgrade.
- * It is recommended to use a U disk with FAT 32.
- * No need to unzip the firmware file package.

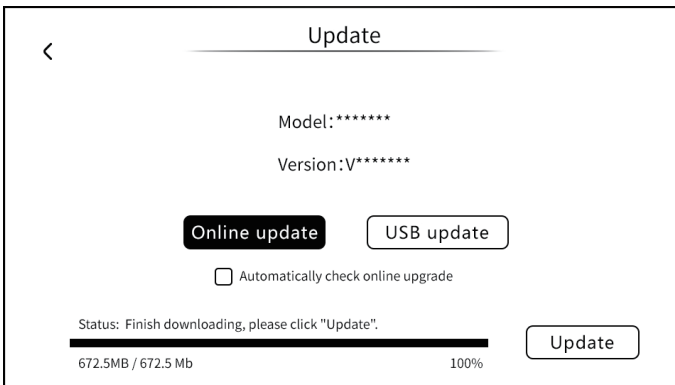
2.Update on NEO α OLED Screen

Firstly find "Settings > Generic Setting > Update " on the touch screen of the device.



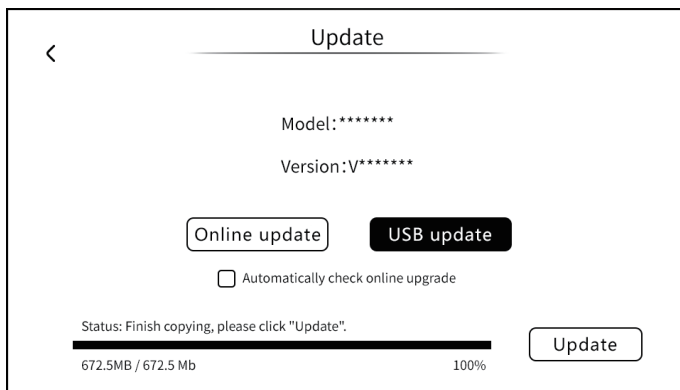
① Online Update

Click the "online update" option to obtain the latest firmware information through the network. Follow instructions to update and wait the device to restart automatically after the update is finished.



② USB Update

Download firmware from official website to a USB stick, insert the USB stick to the device, and then click "USB update" option. Follow instructions to update and wait the device to restart automatically after the update is finished.



Special Note:

In order to improve the user experience, Zidoo will update firmware from time to time. Therefore this product manual may differ from the actual setting menus of the product. Please download the latest version of product manual on Zidoo official website.

Safety Warning:

1. No water splashing or dripping, don't put objects with liquid like vase on the device.
2. The power plug and the power switch are used to disconnect power supply, which cannot be blocked by other objects.
3. It is Class I device, there must be grounding measures inside the box when using.



* Safe using below 2000m altitude.

Guarantee

保修卡

User File

用户信息

User name 用户姓名		Sex 性别	
Address 回寄地址			
Telephone 联系电话		Zip 邮编	
Commodity name and specification 产品名称		Model NO. 型号	
Fault description 故障说明			

Guarantee Item

保修条款

- (1) One year guarantee from date of purchased. (not including fittings)
- (2) All of damage by man-made(tear open the housing,tear off the sticker,unnormally using),or losing this card,we will not guarantee.
- (1) 保修期限：本产品遵循国家三包条例，商品存在非人为损坏所引起的硬件故障，本公司将提供一年保修服务（配件除外）。
- (2) 如需寄回本公司维修，请与此保修卡一同寄回。
- (3) 一切人为因素造成的损坏（包括擅自拆机，撕毁标签，自行刷机等等），本公司将不予保修。



QUALIFIED
CERTIFICATE
合格证

CHECKER/检验员 _____

DATE/日期 _____

