感谢您使用芝杜 zidoo 旗下产品，您可以关注我们的社交平台账号，和我们一起交流与分享。

Thank you for choosing products of Zidoo. Friend us on WeChat or Weibo to communicate and share with us.

**微信公众号 @ zidoo**
**WeChat Official Account**

**微博账号　@ 芝杜官方**
**Weibo Account**

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**Facebook  @ zidootv**

**Twitter      @ zidootv**

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

如需更多帮助，请访问芝杜 zidoo 官网的用户论坛进行咨询。

If you need more assists, please visit user forum of the official website of Zidoo for consultation.

**官网网址 /Official website: www.zidoo.tv**

# 目录 /**Content**

# ZD24S 硬件介绍

## 设备接口
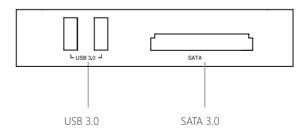
ZIDOO ZD24S 配备有丰富的音视频输入输出接口及数据传输接口，请参考本手册内容。

### 1. 正面

IR 红外接收头  LED 显示屏

### 2. 左侧

USB 3.0

USB 3.0        SATA 3.0

SATA

## 3. 右侧

RS-232

RS-232　USB 2.0

USB 2.0

## 4. 背面

OFF

ON

DC 12V　OPTICAL　AUDIO　HDMI　GIGABIT LAN　R　USB 3.0
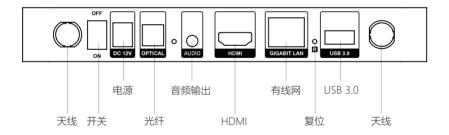
电源　　　音频输出　　　有线网　　USB 3.0

天线　开关　　光纤　　　HDMI　　　　复位　　　天线
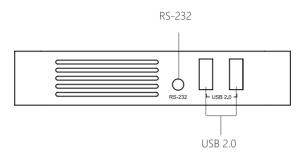
注意:

* 请在断电的状态下装载 \ 更换硬盘，如是全新硬盘，请格式化后装载。

* 请不要接触液体，以免流入设备内部造成损坏。

* 非指定维修人员，请不要拆开机壳。

# 设备连接

## 1. HDMI 连接电视

① 将设备断电，请务必保证电视机与机顶盒都在断电的状态下操作。
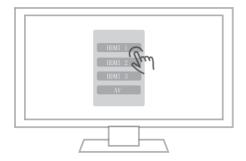
② 在电视机断电的状态下将 HDMI 线一头插入设备的 HDMI、一头插入电视 HDMI IN 接口。

③ 电源连接，本设备配备有 DC 电源适配器，请将 DC 适配器接头连接在本机的 DC 电源输入接口，将 DC 电源线的插头一端接入交流 110~240V 的电源插座。

④ 电视选择对应的视频源。



## 2. AV 线连接电视

连接方式同 HDMI 线的连接方式。

接地 - 接地
黄色 - VIDEO
红色 - R
白色 - L

（AV 端子接口示意）

## 3. RS232 连接 3.5mm 插头连线顺序

Shield-Gnd
Ring-RX
Tip-TX

DB9 RS232 Connector

（请参照官网下载中心 RS232 控制协议）

Pin 2-RX
Pin 3-TX
Pin 5-Gnd

① ② ③ ④ ⑤
⑥ ⑦ ⑧ ⑨

# ZD24S 性能参数

| | |
|---|---|
| 前置显示 | LED |
| 机身材质 | 铝合金 |
| 系统 | Android 11 |
| CPU | Amlogic S928X-K ARM Cortex-A76+Cortex-A55( 四核 ) |
| GPU | ARM Mali-G57 MC2 |
| 内存 | 6GB LPDDR4X |
| 内部储存 | 64GB eMMC |
| 蓝牙 | BT 5.2 |
| WiFi-6 网络 | 2.4G+5G 双频 WiFi,802.11 a/b/g/n/ac/ax 2T2R，802.11ax MIMO OFDM |
| 有线网络 | 1*RJ-45 以太网插孔 (10/100 /1000Mbps) |
| HDMI 输出 | HDMI 2.1a, 最高支持 8K@60p，HDR10+，12Bit 色深，BT2020 广色域，支持 Dolby Atmos 和 DTS X 音频源码透传 |
| 视频解码 | 8K@60p AV1/VP9/H.265/AVS3/AVS2；HDR10，HDR10+，杜比视界 |
| 音频解码 | 支持 Dolby/DTS 格式 ( 最高支持 Dolby TrueHD Atmos 和 DTS X)，立体声解码 |
| 智能控制 | iPhone/iPad 横屏 / 安卓手机 / 安卓平板横屏，RS-232，TCP/IP 控制 ( 支持网络唤醒 ) |
| SATA 接口 | 1*SATA 3.0 |
| USB | 3*USB 3.0，2*USB 2.0 |
| 电源 | DC 12V / 2A |
| 其他接口 | 1* 红外接收器，1*3.5( 毫米 ) 模拟音频输出，1*SPDIF 光纤 (2CH，5.1CH)，1*3.5( 毫米 )RS232，1* 千兆以太网口，2* 外部高增益天线 |

# 开机初始化向导

　　正式使用机器前，系统将会为您进行第一次初始化设置。请根据实际设备搭配和使用需求来设置您的设备，以获得最佳的使用体验。
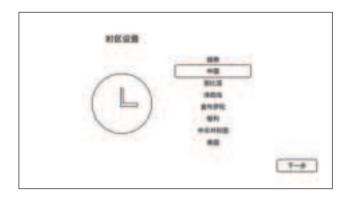
## 1. 系统语言选择、屏幕缩放、时区设置

按照您的语言习惯选择系统语言。



按遥控器左右方向键调节合适的屏幕显示大小。

根据您所处地区选择对应系统显示的时区。



## 2. 网络设置

设置相关网络配置，让机器快速连接网络。



无线网络（WIFI）：选择网络 SSID，输入密码，连接 WiFi。
有线网络：只需插入网线即可自动连接网络。

# 3.选择输出模式

请根据需要选择相应的模式来完成设备输出参数的设置。

**向导模式**：根据您的使用环境和设备连接情况选择对应的选项。



**专家模式**：音视频输出为自定义选择模式，可根据设备连接和支持的规格选择相应的音视频输出，此模式建议专业人员操作。

# 4.按键定义

根据您的使用习惯定义遥控器上的数字键，选时键，字幕键，音轨键，上下键，翻页键对应的功能。



完成以上设置后，按照提示点下一步，了解主界面功能介绍后完成整个设备的初始化设置，即可享受芝杜产品给您带来的影音盛宴。

# OTA 系统升级

芝杜 ZIDOO 会不定期更新固件。

在 APPS 应用中心找到系统升级图标点击打开；支持在线网络升级及本地升级两种方式；勾选自动检测最新版本后，您将会自动收到最新的系统升级提示。



## 1. 在线升级

点击"在线升级"选项，获取在线升级信息。

## 2. 本地升级

　　用户可通过在论坛或官网手动下载升级文件，通过本地升级的方式自行升级系统。

　　将下载好的升级文件拷贝到 U 盘，通过点击本地升级选项，选择升级文件。



　　通过在线升级或本地升级下载完升级文件后，通过点击"升级"选项，开始升级。

系统会自动检验升级文件是否完整。



注意：自动进入系统升级，该过程请不要断电。

升级完成，自动重启系统。



## 特别说明：

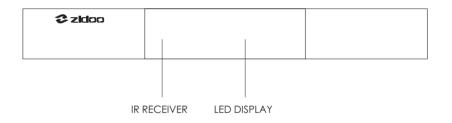为了保证用户体验，芝杜 ZIDOO 会不定期更新固件。因此，本说明书的操作说明，有可能会与产品实际使用情况稍有出入。
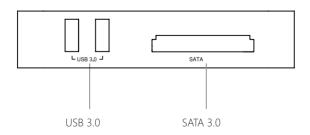
# Introduction to Hardware of ZD24S

## Device Interface

ZIDOO ZD24S is equipped with audio and video input & output ports and data transmission ports. Please refer to the descriptions in this manual.
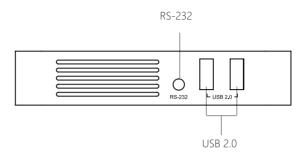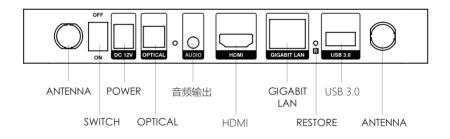
## 1. Front

IR RECEIVER    LED DISPLAY

## 2. Left

USB 3.0           SATA

USB 3.0                    SATA 3.0

# 3. Right

RS-232

RS-232   USB 2.0

USB 2.0

# 4. Back

OFF

DC 12V   OPTICAL   AUDIO   HDMI   GIGABIT LAN   USB 3.0

ON   R

ANTENNA   POWER   音频输出   GIGABIT   USB 3.0
LAN

SWITCH   OPTICAL   HDMI   RESTORE   ANTENNA

## Note:
* Please load/change the hard disk after turning off the power. If it is a brand-new hard disk, please load it after formatting it.
* Do not touch any liquid in case the liquid runs into the inner part of the device and damage it.
* Any maintenance personnel who are not appointed are not allowed to open the case.

# Device Connection
## 1. Connect HDMI Cable to TV

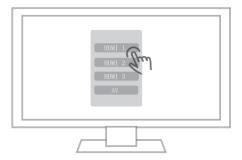1) Cut off the power . Please make sure the power of the TV and media player are off.

2) When the TV is turned off,  please connect HDMI port on ZIDOO to HDMI IN port on TV.

**HDMI**

3) Connect with the power. This device is equipped with suitable DC power adapter. Please connect the head of DC power adapter to the DC power input port of this device, then insert the plug of DC power adapter into the socket of 110V – 240V.

**DC 12V**

4) Corresponding video source is selected by TV.



## 2. Connect AV Cable to the TV

The connection method is same as connecting HDMI cable.



Ground Connection
Yellow - VIDEO
RED - R
WHITE - L

(AV Terminal Interface Signal)

## 3. Assembly Sequence to Connect RS232 to 3.5mm Connector



Shield-Gnd
Ring-RX
Tip-TX

DB9 RS232 Connector

(Please download RS232 control protocol on official website for reference)

Pin 2-RX
Pin 3-TX
Pin 5-Gnd

① ② ③ ④ ⑤
⑥ ⑦ ⑧ ⑨

# Specifications
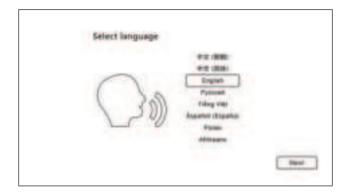
| | |
|---|---|
| **Front Display** | LED |
| **Shell** | Aluminum Alloy |
| **OS** | Android 11 |
| **CPU** | Amlogic S928X-K ARM Cortex-A76+Cortex-A55 (Quad-core) |
| **GPU** | ARM Mali-G57 MC2 |
| **RAM** | 6GB LPDDR4X |
| **Internal Storage** | 32GB eMMC |
| **Bluetooth** | BT 5.2 |
| **WIFI 6** | 2.4G+5G dual-band WiFi, 802.11 a/b/g/n/ac/ax 2T2R, 802.11ax MIMO OFDM |
| **Ethernet** | RJ-45 Ethernet jack*1 (10/100 /1000Mbps) |
| **HDMI Output** | HDMI 2.1a, supports up to 8K@60p, HDR10+, 12Bit color depth, BT2020 wide color range, supports Dolby Atmos and DTS X audio pass-through |
| **Video Decoding** | 8K@60p AV1/VP9/H.265/AVS3/AVS2; HDR10, HDR10+, Dolby Vision |
| **Audio Decoding** | Supports Dolby/DTS format (supports up to Dolby TrueHD Atmos and DTS X), stereo decoding |
| **Intelligent Control** | APP control for iPhone/iPad landscape mode/Android phone/Android tablet landscape mode, RS-232, TCP/IP control (supports WOL) |
| **SATA** | SATA 3.0*1 |
| **USB** | USB 3.0 *3, USB 2.0*2 |
| **Power Supply** | DC 12V / 2A |
| **Other Interface** | Infrared receiver*1, 3.5mm analog audio output*1, Optical out (2CH, 5.1CH)*1, 3.5mm RS232*1, Gigabit Ethernet port*1, External high-gain antennas*2 |

# Boot Initialization Wizard
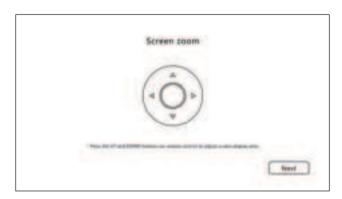
Before using the machine formally, the system will perform the initial setup. Please set according to devices and requirements to get the best visual experience.

## 1. System language selection, screen zoom, time zone setting
Choose the system language according to your language habit.
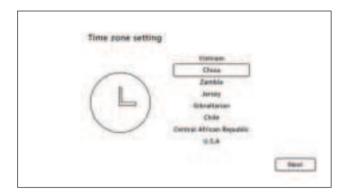


Press the UP and DOWN buttons on remote control to adjust screen display area.

Select the time zone for the system according to your location.



## 2. Network Setting
Configure network to connect device with network quickly.



**WIFI:** choose network SSID, input password and connect WIFI.
**Ethernet:** plug in the network cable to connect the network automatically .

## 3. Select output mode

Please select the corresponding mode according to your needs, then it will finish relevant setting.

**Wizard mode:** select the corresponding option according to your usage environment and device connection.



**Expert mode:** The audio and video output is customized by users, it is recommended for professionals.

## 4. The key definition

Define the corresponding functions for number keys, timing key, subtitle key, audio key, up and down keys and page keys on the remote control according to your usage habits.



After completing settings above, please follow prompts and click "Next" until entering ZIDOO user interface. Enjoy ZIDOO audio visual feast!

# OTA System Update

ZIDOO will update the firmware from time to time.
Find the update icon in APPs and click it, online update and local update are supported. After ticking "Automatically check online upgrade", you will receive the prompt for the latest firmware update automatically.



## 1. Online Update
Click "Online Update" to obtain information of online update.

## 2. Local Update

Users can download the update files on the forum or official website and update firmware through files.
Copy the downloaded update file to USB disk. Click "USB update" to select the update file.



Download the update files by online update or local update. Click "Update" to update it.

The system will automatically check the update file whether is completed or not.



**Note:** Automatically access to system upgrade. Please don't power off in the progress.

Once the update process is completed, the system will automatically restart.

**Special Note:**
To guarantee user experience, ZIDOO will update the firmware from time to time. Therefore, this manual may not be totally in line with the product.

# Guarantee
## 保修卡

## User File
### 用户信息

| User name<br>用户姓名 | | Sex<br>性别 | |
|---|---|---|---|
| Address<br>回寄地址 | | | |
| Telephone<br>联系电话 | | Zip<br>邮编 | |
| Product name<br>产品名称 | | Model NO.<br>型号 | |
| Fault description<br>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.

⑴ 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）。

⑵ 如需寄回本公司维修，请与此保修卡一同寄回。

⑶ 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），本公司将不予保修。

## QUALIFIED
## CERTIFICATE
## 合格证

CHECKER/检验员 _____

DATE/日期 _____

FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

 *RF warning for Mobile device:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.