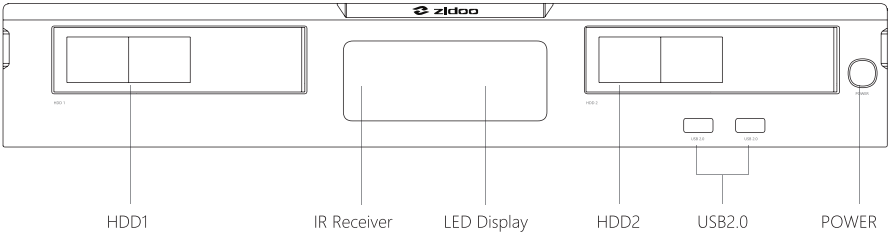
INTRODUCTION TO HARDWARE OF UHD5000

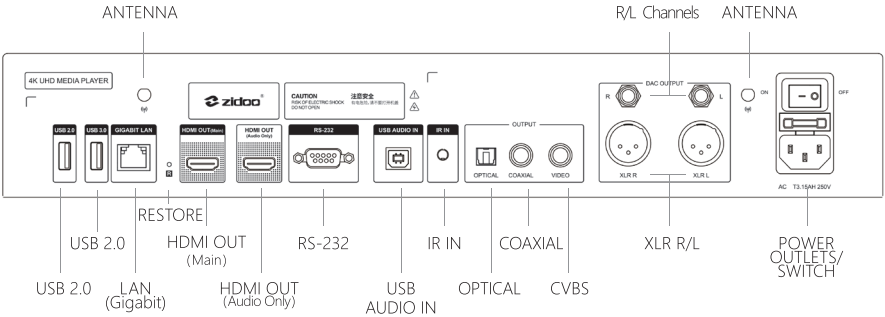
Device interface

Zidoo UHD5000 is equipped with multiple audio input / output ports and data transmission ports. Please refer to the descriptions in this manual.

1.Front



2.Back



Antennas installation instruction: please install two antennas in the accessories box to the antenna interfaces shown in the diagram above.

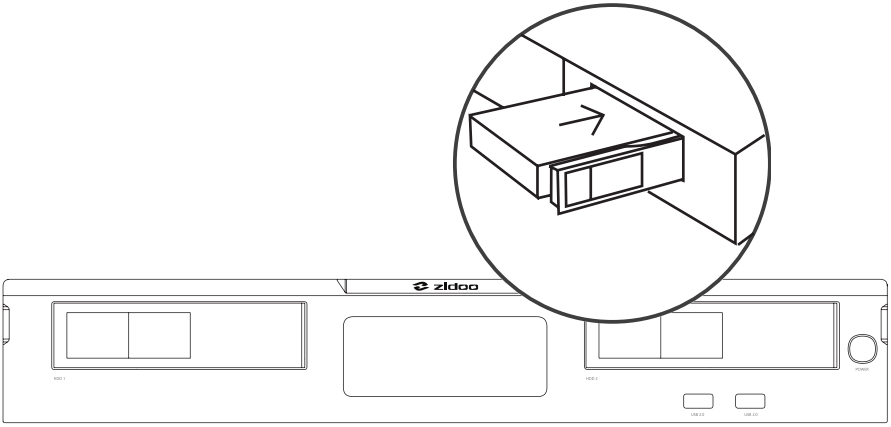
Notices:
*Please load/change the hard disk after turning off the power. If it is a brand-new hard disk, please load it after formatting it.
*Please prevent the orifice of the cooling fan from being blocked.
*Do not touch any liquid in case the liquid runs into the inner part of the device and damages it.
*Any maintenance personnel who are not appointed are not allowed to open the case.

Specification

Chassis	Aviation aluminum alloy
OS	Android 11
CPU	Realtek RTD1619BPD ARM Cortex-A55(Quad-core)
GPU	ARM Mali-G57
NPU	1.6TOPS
Storage	4GB DDR4+64GB eMMC
Bluetooth	BT 5.2
WiFi	2.4G+5G dual band WiFi,802.11 a/b/g/n/ac/ax 2T2R, 802.11ax MIMO OFDM
Ethernet	1*RJ-45(10/100/1000Mbps)
HDMI Output	HDMI 2.1 （4K@60fps/12Bit/HDR/BT2020/YCbCr 4:4:4 output +HDMI 1.4 （Audio Only audio passthrough） separate audio and video output
Video Decoding	4K@60p,AV1/HEVC/H.265 12Bit,HDR10, HDR10+,Dolby Vision
USB Audio Input	Support Windos（7/10）、Mac、Android； Input decoding format supports up to stereo DSD512、 PCM 768KHz@32bit PCM
Other Audio Ports	1*Optical,1*Coaxial,1*RCA L/R,XLR L/R balanced
Audio Decoding	Hi-Fi decoding solution (XMOS + ESS 9068 DAC) Support DSD, MQA decoding
PCM Decoding Formats	Sampling frequency:44.1 kHz,48 kHz,88.2 kHz,96 kHz,176.4 kHz,192 kHz,352.8 kHz,384 kHz,768 KHz Bit width:16 Bit,24 Bit,32 Bit
DSD Decoding Formats	Sampling frequency: 2.8224 MHz (DSD64),5.6448 MHz (DSD128),11.2896 MHz (DSD256),22.5792 MHz (DSD512 Native mode)Bit width:1Bit
Analog Audio Characteristics	1* Optical、1* Coaxial、1*RCA left/right channels、 XLR left/right channels balance
Analog Audio Characteristics	Frequency range:20Hz-20KHz +/-0.35dB; SNR:>128dBrA;THD+N:< 0.00014% ;Output level:(XLR) 5.0±0.4Vrms. (RCA) 2.0±0.2Vrms;DNR:>125dB; Crosstalk:>135dBrA
Power Supply	100-240V~,50/60Hz,Max 0.3A
SATA	2*SATA3.0 and 3.5" HDD bay (HDD is not included)
Other Ports	1*IR in,1*RCA composite video connector, 1*RS-232,1*USB3.0,3*USB2.0

LOADING HARD DISK

UHD5000 has two 3.5 inches HDD bays with built-in high-speed SATA jacks, Please slowly push 3.5 inches hard disk with SATA interface toward HDD bay without any tools (Hard Disk support 16TB Maximum)



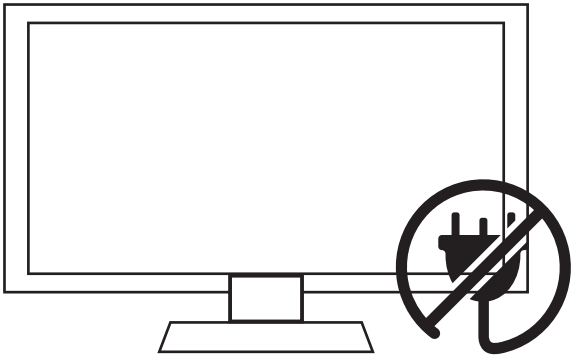
Notice:
Please do not load or change the hard disk when powering on and in order to avoid damage the disk and data. This device support hard disk formats:EXT3,EXT4,NTFS, FAT32,EXFAT.

Connection with Device

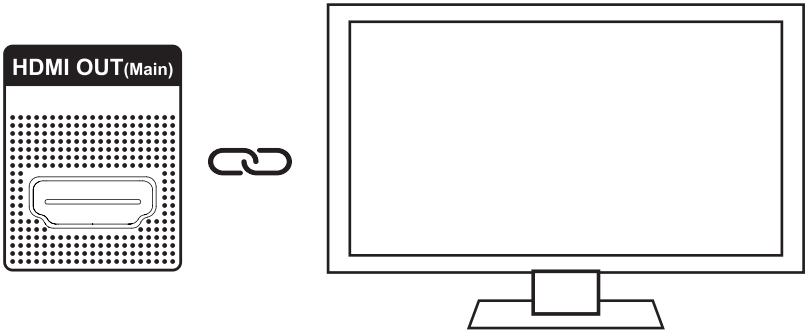
1.HDMI connects to the TV.

UHD5000 have two ways to connect HDMI. One is stand-up output mode and another one is Double output mode.

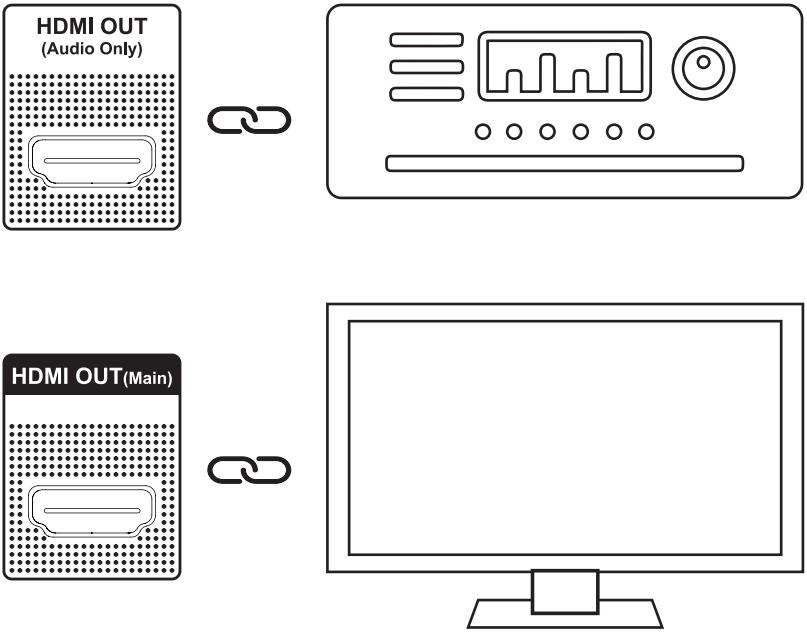
① Cut off the power of the device. Please make sure the power of both the TV and Media Player are off.



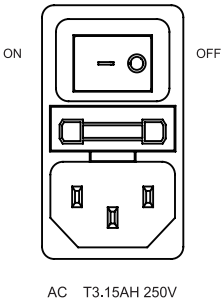
② Stand-up Output mode:While the power of TV and Media Player is off, insert one end of HDMI cable into HDMI OUT and insert the other end into HDMI IN port.



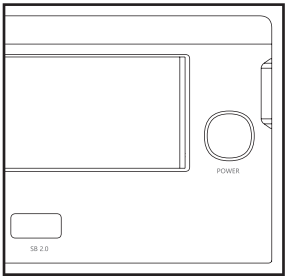
③ Double Output mode (audio and video separate output): please shutdown both TV and Media Player, then connect one HDMI cable from HDMI OUT AUDIO ONLY port to amplifier while connect the other HDMI cable from HDMI OUT MAIN port to TV.



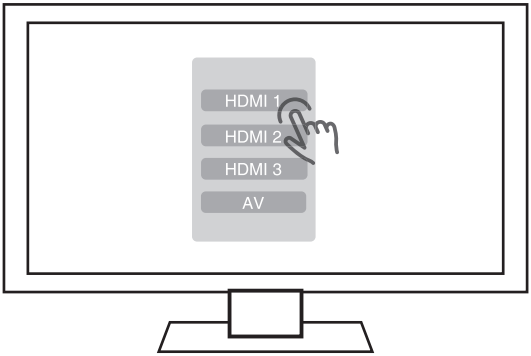
④ Connect with the power. This device is equipped with suitable AC power adapter. Please connect the head of AC power adapter to the AC power input port of this device, then insert the plug of AC power line into the alternating current socket of 110~120/220~240V.



⑤ Turn on device by pressing the power button on the right side of the front panel or pressing power button on remote control.



⑥ Corresponding video source is selected by TV.



2.Connect AV cable with the TV

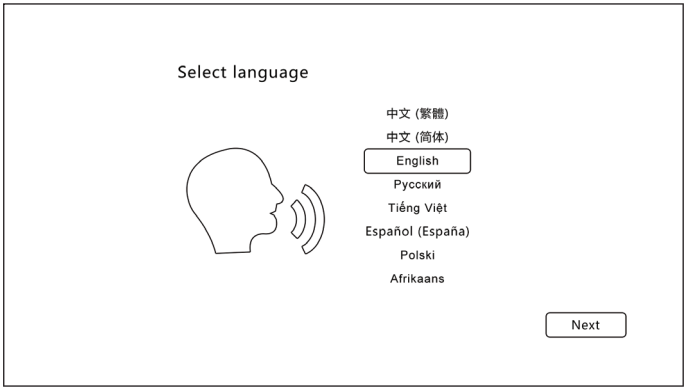
The connection method is same as that of HDMI cable. Please connect the AV cable before energizing.

Boot initialization wizard

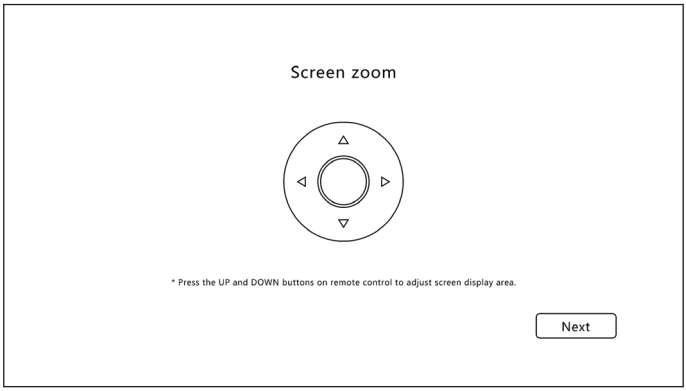
Before using the machine formally, the system will perform the initial setup. Please set according to devices and requirements to get the best visual experience.

1. System language selection, screen zoom, time zone setting

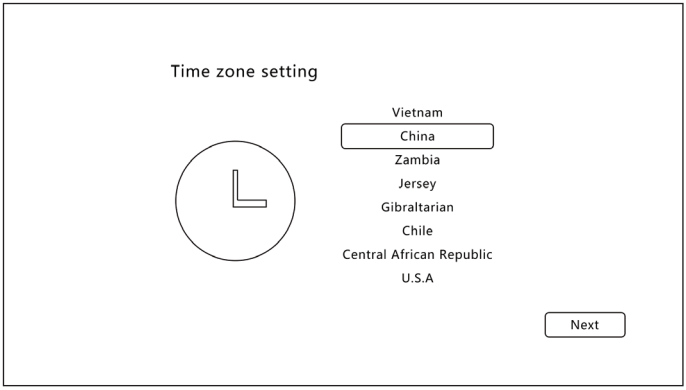
Choose the system language according to your language habit.



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

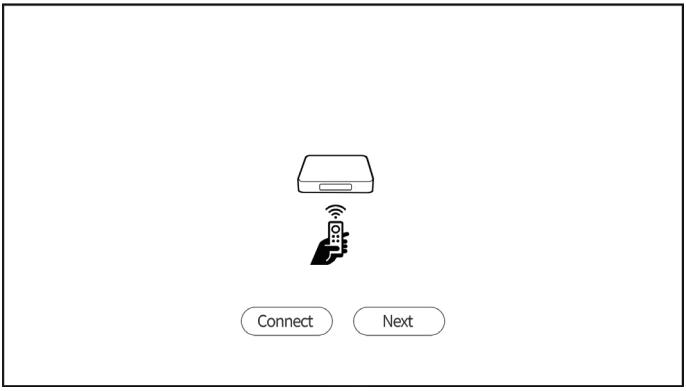


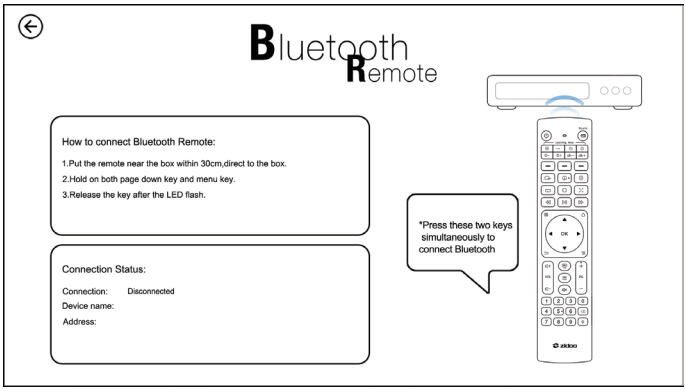
Select the time zone for the system according to your location.



2.Bluetooth Match-Up

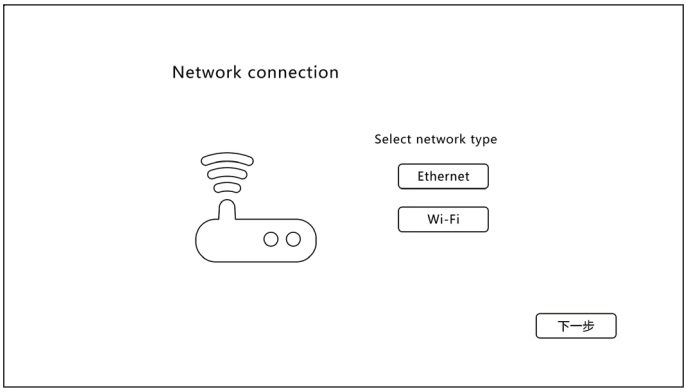
Let remote controller be aligned with media player and press Page-Down KEY and Menu KEY at the same time for least 5 second until indicator light blinking.The light will be off after matching successfully.





3. Network Setting

Configure network to connect device with network quickly.

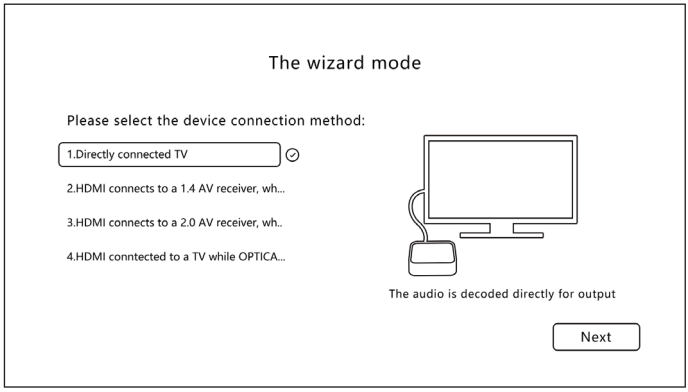


WIFI: choose network SSID, input password and connect WIFI.
Ethernet: plug in the network cable to connect the network automatically .

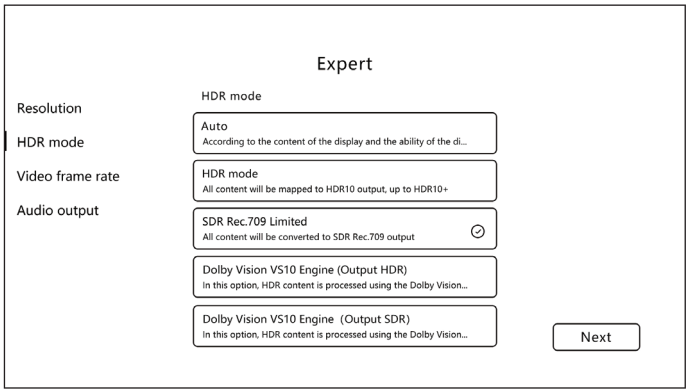
4. Select output mode

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.

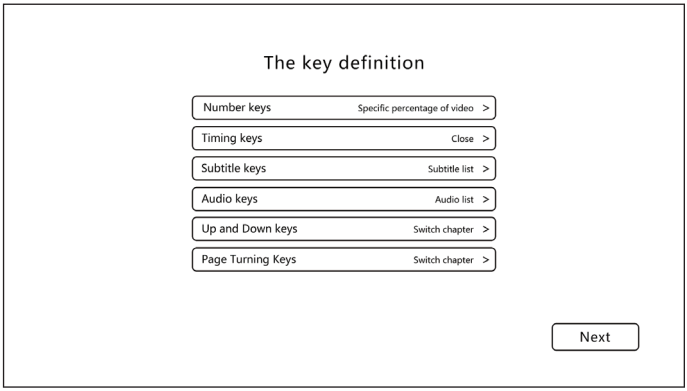


Expert mode: The audio and video output is customized by users, it is recommended for professionals.



5. 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.

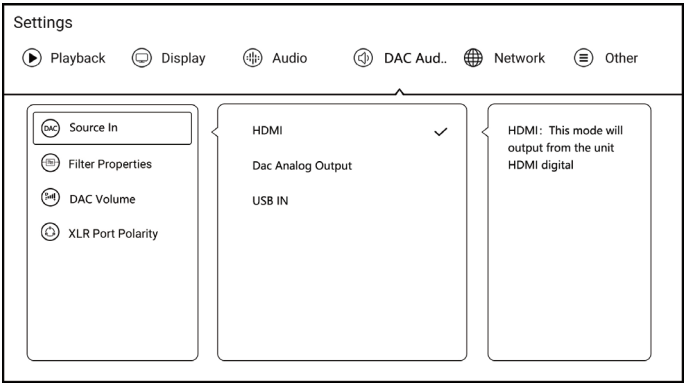


After completing settings above, please follow prompts and click "Next" to finish initial setup. Enjoy Zidoo audio visual feast!

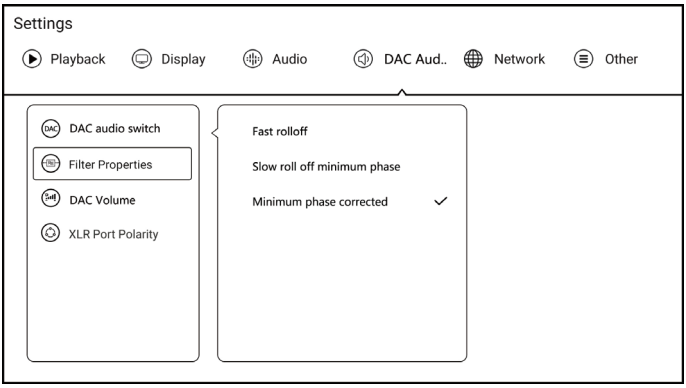
HDMI & DAC analog audio

1. Source In

It is needed to turn on Source In to connect speakers via analog XLR balance or RCA port.
Turning this switch on will be decoded by the XMOS output (DSD pass-through) to the DAC for highest native DSD 512 and PCM 768 high-sampling .
There is no sound from HDMI and SPDIF when DAC Audio switch turns on.

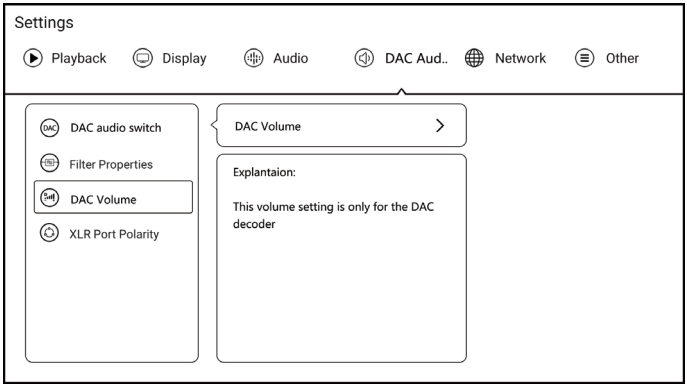


2. Filtering Features

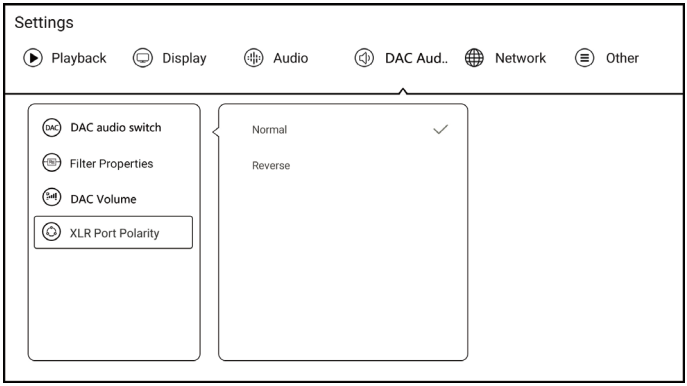


3. Analog Audio Volume

This setting is only for DAC decoder, audio value is DAC Decoder volume value.

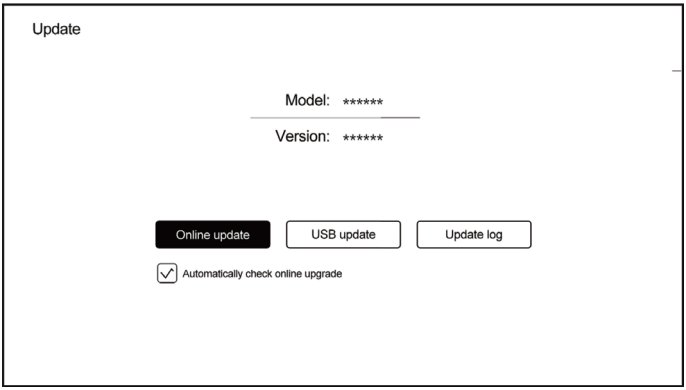


4. XLR Port polarity

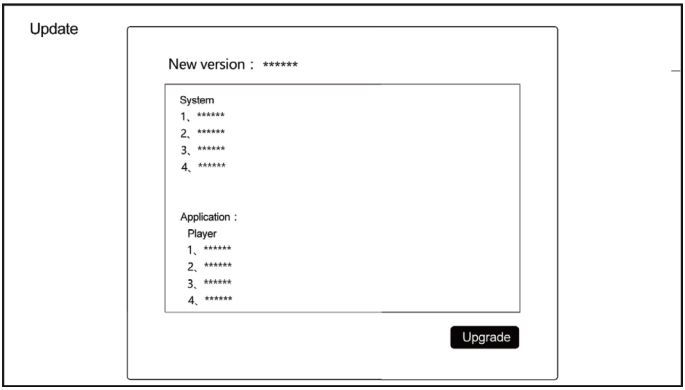


SYSTEM UPDATE BY OTA

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.



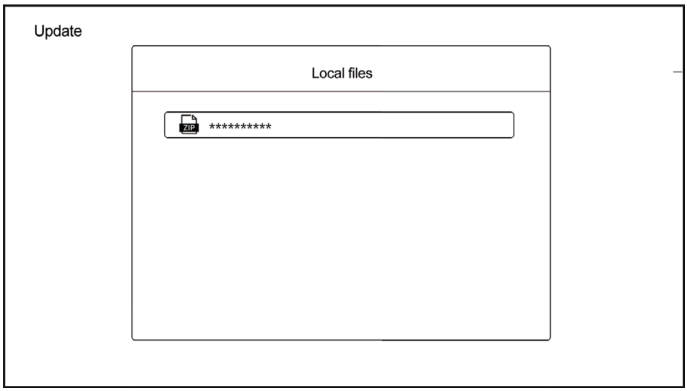
1. Online Update



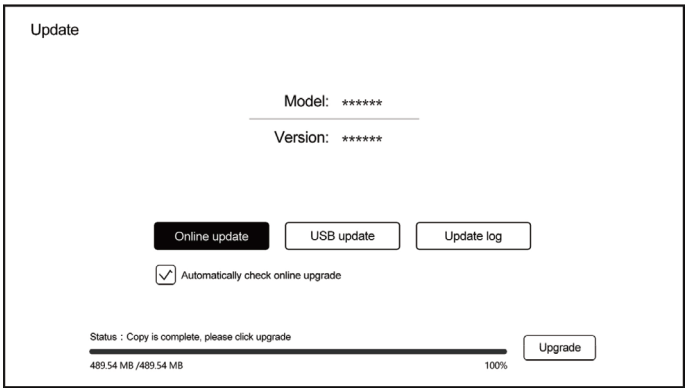
2. Local update

Users can download the update file on the forum or official website and update firmware by local update.

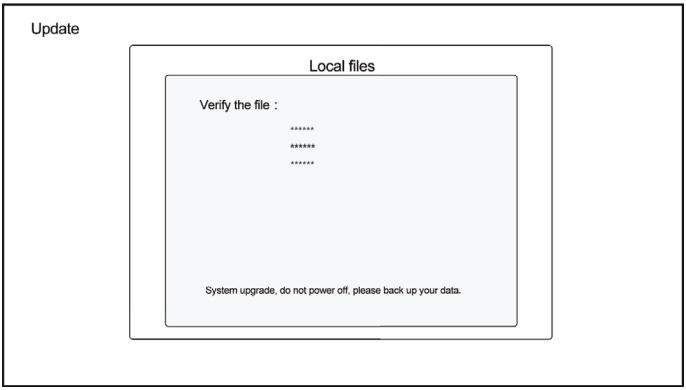
Copy the downloaded update file to USB disk. Click "local update" to select the update file.



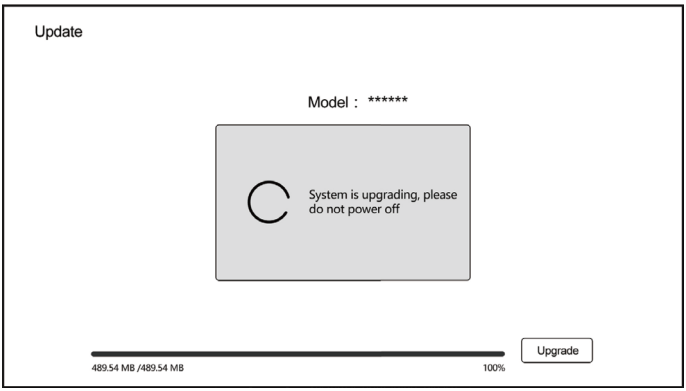
Download the update file by online update or local update. Click "update" to update.



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



Note: System will upgrade automafically, please do not power off.



Once the update is completed, the system will automatically be restarted.

Special note:

To guarantee user experience, Zidoo will update the firmware irregularly. Therefore, this manual may not be totally in line with the product.

Warning notice:

1.The equipment shall not be subjected to water splashing or water drop, and shall not be placed on the device such as a vase, which is full of liquid.

2.The disconnecting device of this product is the power plug. The socket provided to this product should be installed near the product, and should be easy to operate and cannot be blocked by other objects.

3.This product is classified as Ⅰ equipment, and it must have grounding measures inside the time box.

FCC Warnning:

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 againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

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 and your body.