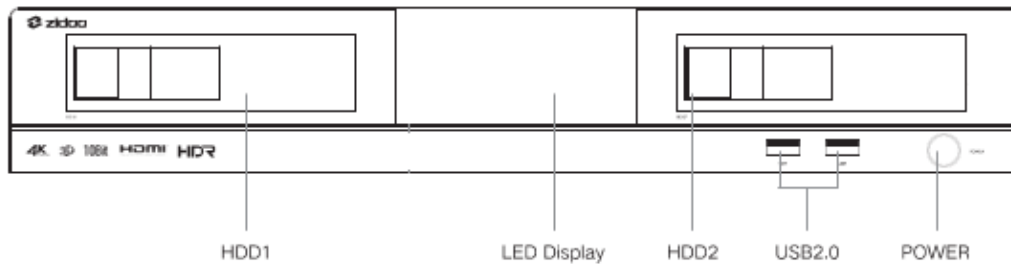MEDIA PLAYER

User Manual

X20
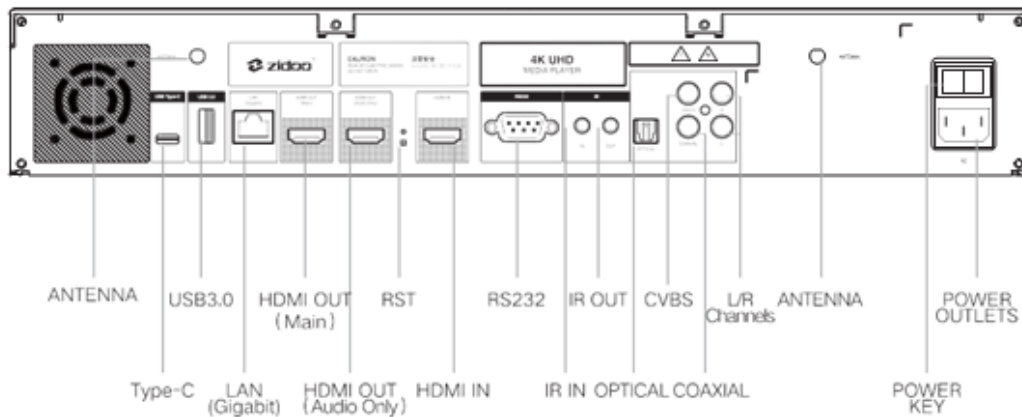
INTRODUCTION TO HARDWARE OF X20

Device interface

Zidoo X20 is equipped with audio input and output ports and data transmission port. Please refer to the descriptions in this manual.

1.Front

HDD1   LED Display   HDD2   USB2.0   POWER

2.Back

ANTENNA   USB3.0   HDMI OUT   RST   RS232   IR OUT   CVBS   L/R   ANTENNA   POWER
                   (Main)   Channels   OUTLETS

Type-C   LAN   HDMI OUT   HDMI IN   IR IN   OPTICAL   COAXIAL   POWER
        (Gigabit)   (Audio Only)   KEY

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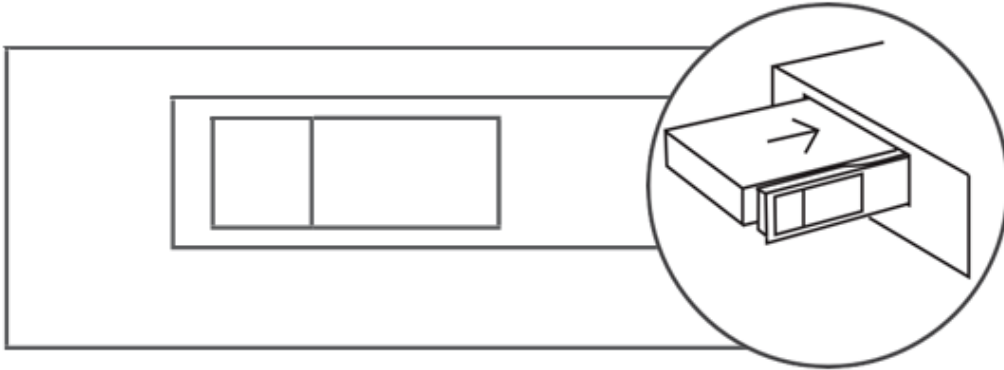
Notices:
*Please load/change the hard disk after turning off the power. If it is a brand-new hard disk, please load it after formatting it.
*Please prevent the orifice of the cooling fan from being blocked.
*Do not touch any liquid in case the liquid runs into the inner part of the device and damages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

X20 PERFORMANCE PARAMETER

Material	Space Aluminium
Display	LED Display
Material	Aviation Aluminum alloy case
OS	Android + OpenWRT(NAS) dual system run simultaneously
CPU	RTD1296 ARM Cortex-A53 Quad-Core
GPU	ARM T820 MP3(3-core)
Memory	2GB DDR4
Internal Storage	16GB eMMC
Wifi Connectivity	IEEE 802.11a/b/g/n/ac 2*2 MIMO
Ethernet	1*RJ-45 (10/100/1000Mbps)
Bluetooth	BT4.0
HDMI2.0a Main output/ HDMI1.4Second Output	Audio and video separation output ; Support 4K@60fps 10Bit
HDMI2.0 input	Support 4K60 HDMI
Video Decode	HDR , Support 4K H.265 10Bbit
Video Player	Support 4K UHD; auto frame-rate switch; 3D Play; Subtitle Download; ASS/SSA effect Subtitle; Media center
Audio Decode	Support HD audio decode and pass through Redesigned Native Player
Audio Interface	1*AV OUT Composite video and audio port;CVBS output); 1*Coaxial Output; 1*RAC Left and right channels
USB	1*USB3.0; 2*USB2.0; 1*TYPE C*1
Internal Hard Disk	Support SATA 3.0*2 USB2.0; 1*TYPE C*1
Input	100-240V-50/60Hz Max 1.3A
Others	1*RS232; 1*Infrared Output; 1*Infrared Input
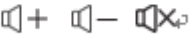
LOADING HARD DISK

X20 PRO/X20 with two 3.5 inches HDD. SATA high-speed device coffret. Please slowly push 3.5 inches hard disk with SATA interface toward HDD without any tools (Hard Disk support 10TB Maximum)

Notice:
Please do not loading or changing the Hard Disk when the power on and in order to avoid damage the Disk and Data. This device support filesystem :EXT3,EXT4,NTFS,FAT32,EXFAT.

FUNCTIONS	KEYS
Power	⏻
LEARNING AREA	(Learning area: ⏻ / ⚙ / ⏏ / ⏻ / ⏻ / ⊲− / ⊲+ / ch− / ch+)
NUMBERS	1/2/3/4/5/6/7/8/9/0
RESOLUTION	⤶
DELETE	⌫
POP MENU	☰
HOME	⌂
RETURN	⤺
MENU	☰
SUBITITLE	A
AUDIO	⚏
VOL+/VOL-/MUTE	🔊+ 🔊− 🔇
PAGE+/PAGE-	+ −
REW/PAUSE/STOP/FWD	⏪ ⏯ ⏹ ⏩
REPEAT/INFO/MOUSE/LIGHT	🔁 ① 🖱 ☀
MOVIE/MUSIC/PHOTO/FILE	🎬 🎵 🖼 🗁
FUNCTION KEYS	🔴 🟢 🟡 🔵

Connection with Device

1.HDMI connects to the TV.

X20 PRO/X20 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.
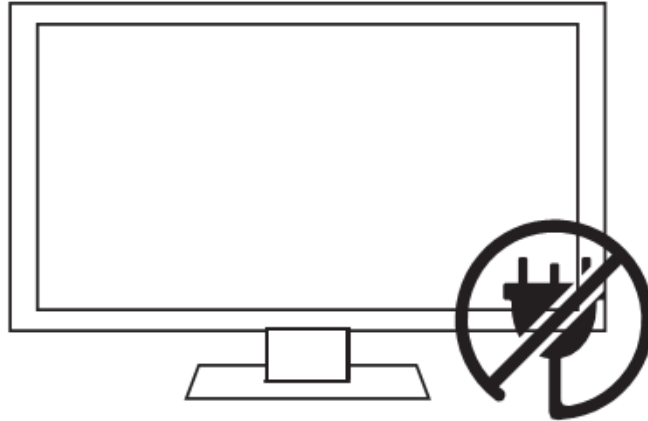
2) Stand-up Output mode:While the power of TV and STB is off, insert one end of HDMI cable into HDMI OUT and insert the other end into HDMI IN port.
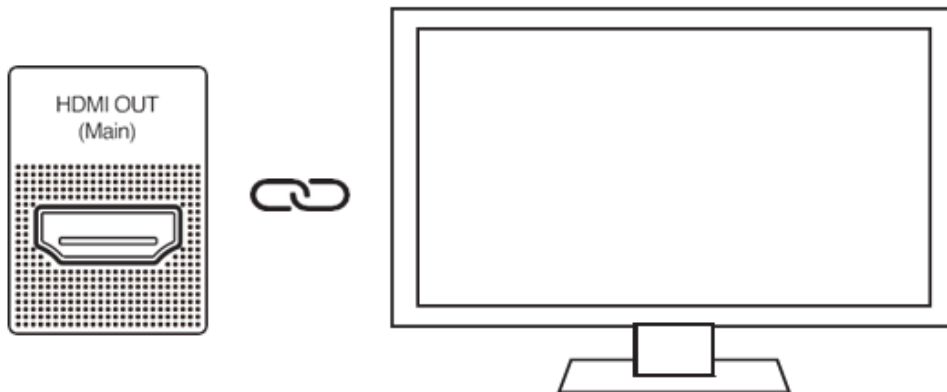
3) Double Output mode (The video is separated from the audio): While the power of TV and Media Player is off, make the connection between one side of HDMI

cable with HDMI OUT AUDIO ONLY interface. Another side with amplifier. Then use another HDMI cable connect with HDMI OUT MAIN interface. Another side with TV HDMI IN interface.
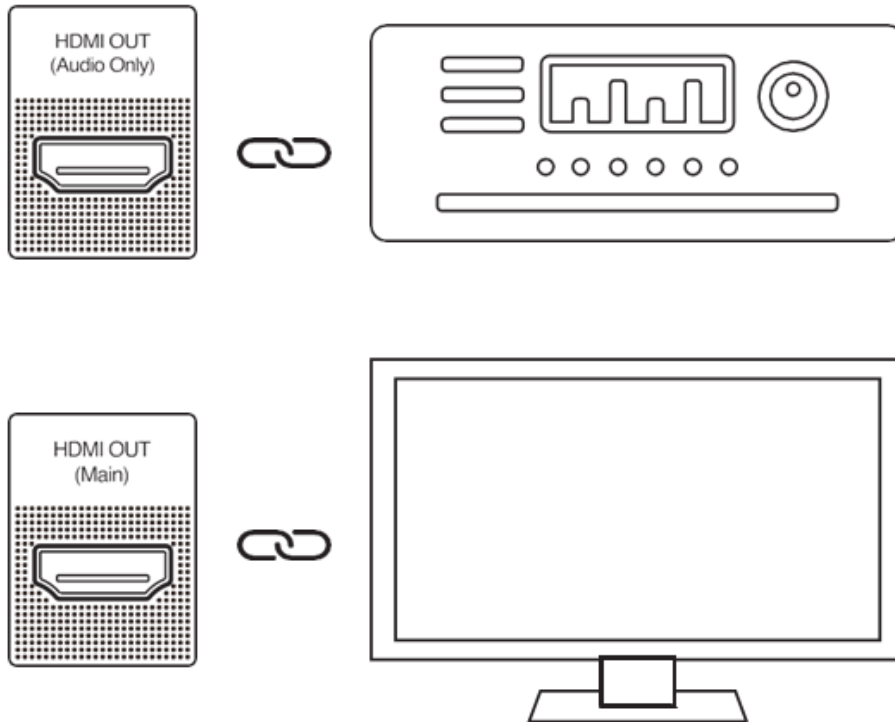
4) Connect with the power. This device is equipped with suitable DC power adapter. Please connect the head of DC power adapter to the DC power input port of this device, then insert the plug of DC power line into the alternating current socket of 11OV -240V.

5) Press the right bottom side button or the power button on the remote control to turn on, then turn on the TV.
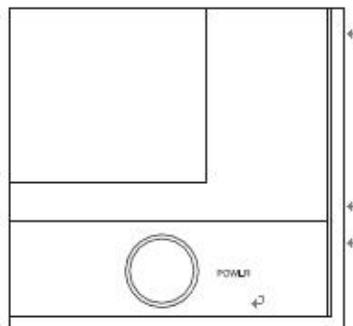
6) Corresponding video source is selected by TV.
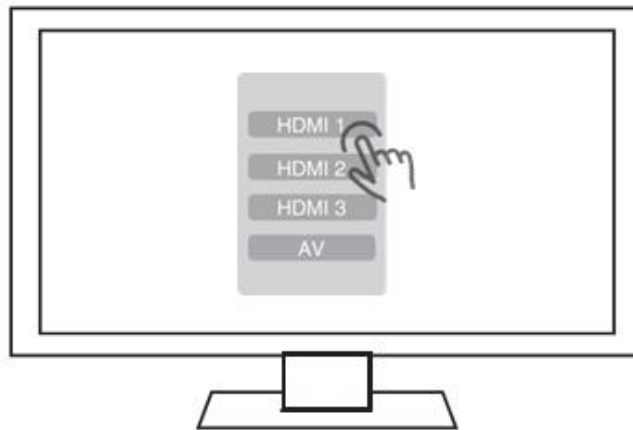
2.Connect AV cable with the TV

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

HDMI & AUDIO PROCESSING

1. HDMI Output Setting

If apply double HDMI output mode which the main port access to TV or Projection, deputy port with power amplifier. Three mode to choose.

1) Master Port and Subport Seperation Model: Video is outputting from main port, audio is outputting from deputy port and achieve Great Separation.

2) Master Port + Subport Model: Main port is outputting voice and video, deputy port is outputting audio.

3) Master Port Mode: Main port outputting audio and video, deputy port without audio.
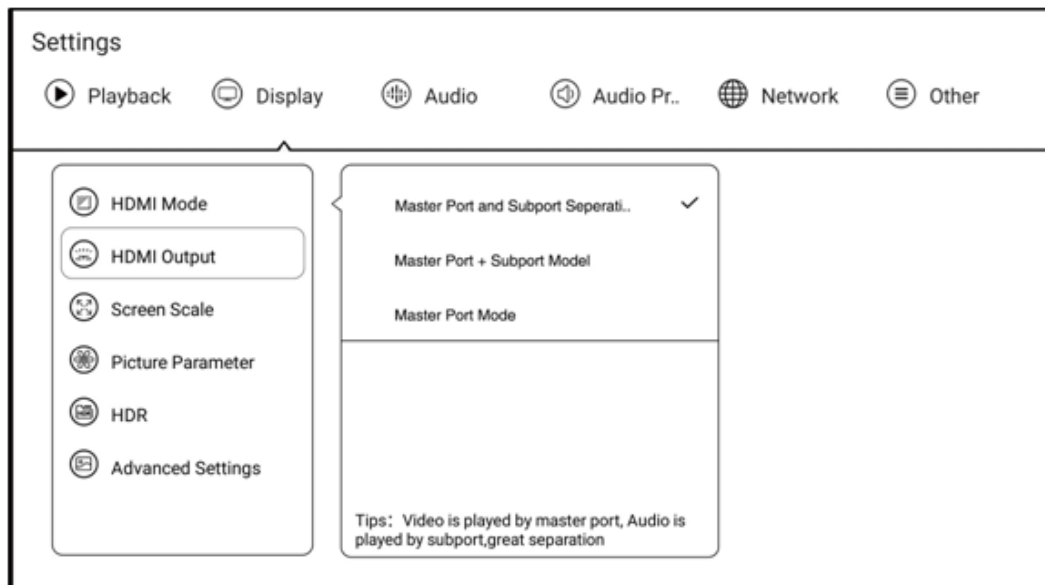
2. Analog Audio Processing

1) Switch of analog audio

If you need to analog output, you must turn on the button. When you turn it on, HDMI audio output setting will automatic decode stereo. In the same way, If set HDMI audio output to passthrough output or auto-output, the switch will automatic turn off.

```
Settings

  ▶ Playback    ▭ Display    ⊕ Audio    ◁ Audio Pr..    ⊕ Network    ☰ Other

  ┌─────────────────────────┐   ┌──────────────────────────────────────────┐
  │ (DAC) Switch For Analog Au.. │  Switch For Analog Audio            ⬤     │
  │                             │                                            │
  │ ▣ Filter Properties         │  ┌──────────────────────────────────────┐ │
  │                             │  │ Explanation:                         │ │
  │ (◠) Analog Audio Volume     │  │                                      │ │
  │                             │  │ The switch for analog audio decoder. │ │
  │ ◉ XLR Port Polarity         │  │ When turn on the switch, HDMI audio  │ │
  │                             │  │ will automatic switchover to output  │ │
  │                             │  │ as LPCM 2 channel                    │ │
  │                             │  └──────────────────────────────────────┘ │
  └─────────────────────────┘   └──────────────────────────────────────────┘
```

2) Filtering Features

```
Settings

  ▶ Playback    ▭ Display    ⊕ Audio    ◁ Audio Pr..    ⊕ Network    ☰ Other

  ┌─────────────────────────┐   ┌──────────────────────────────────────────┐
  │ (DAC) Switch For Analog Au.. │  BRICK_WALL_FILTER                        │
  │                             │                                            │
  │ ▣ Filter Properties         │  CORECTED_MIN_PHASE_FAST                   │
  │                             │                                            │
  │ (◠) Analog Audio Volume     │  APODIZING_FAST                    ✓       │
  │                             │                                            │
  │ ◉ XLR Port Polarity         │  MIN_PHASE_SLOW                            │
  │                             │                                            │
  │                             │  MIN_PHASE_FAST                            │
  │                             │                                            │
  │                             │  LINEAR_PHASE_SLOW                         │
  │                             │                                            │
  │                             │  LINEAR_PHASE_FAST                         │
  └─────────────────────────┘   └──────────────────────────────────────────┘
```
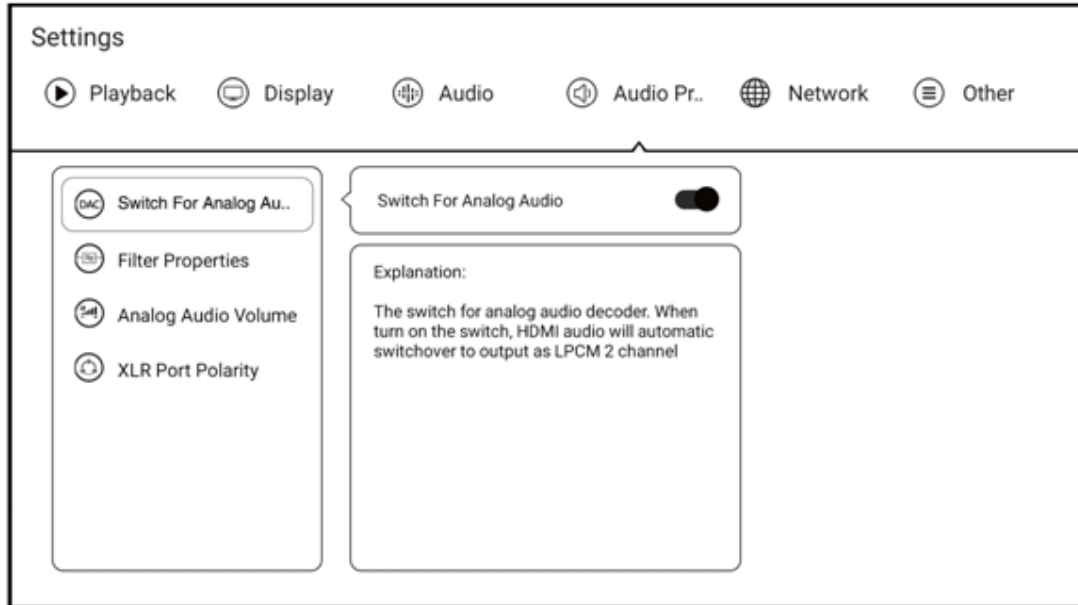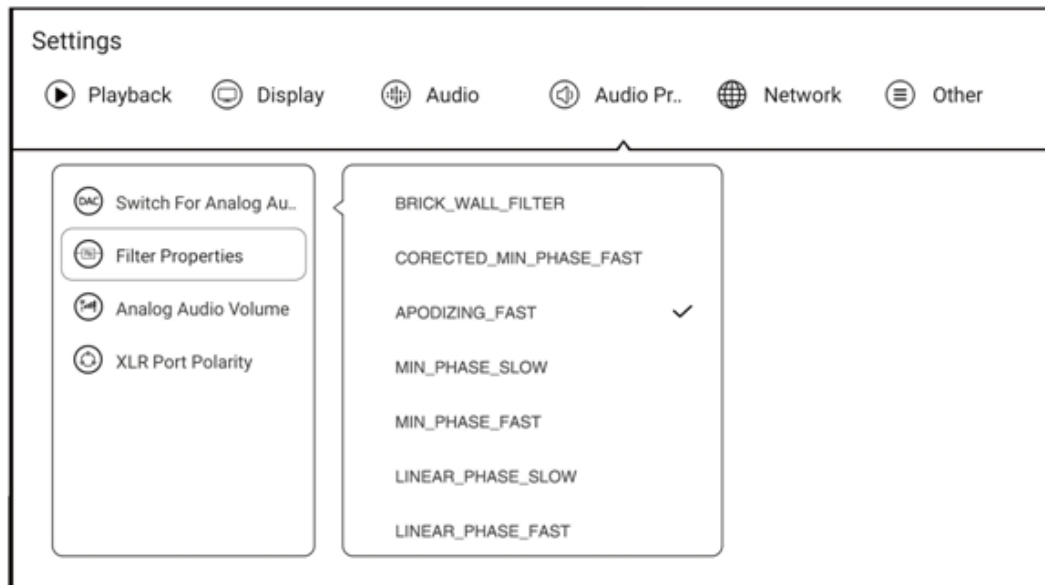
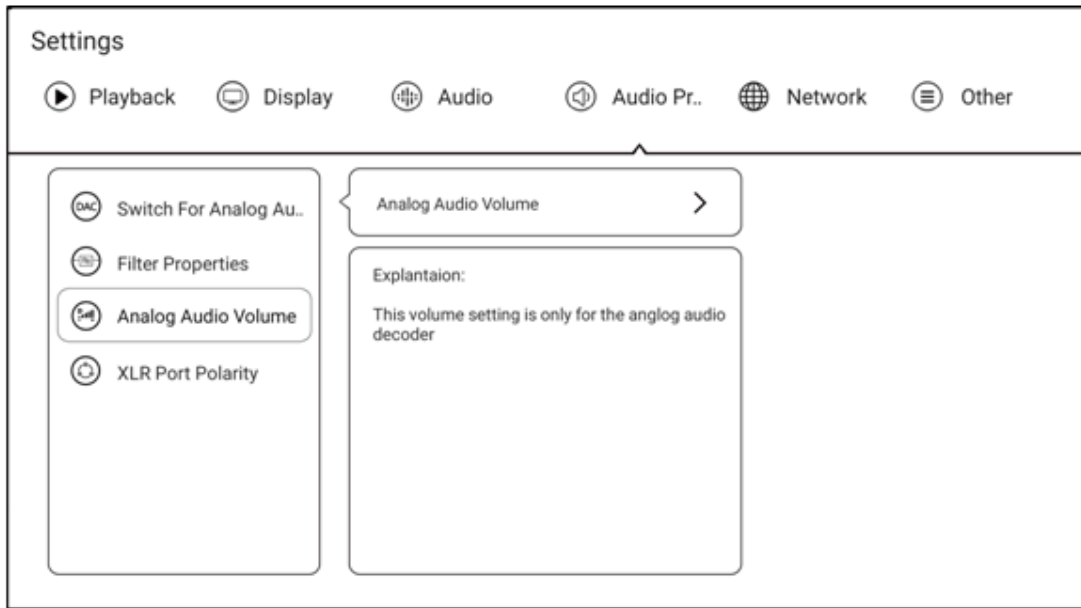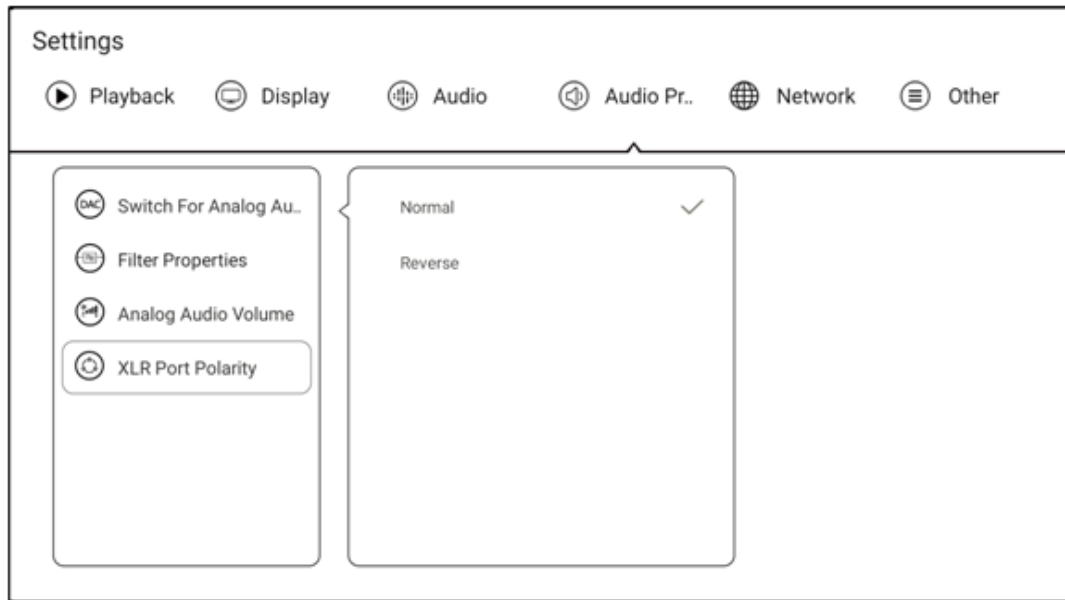### 3) Analog Audio Volume

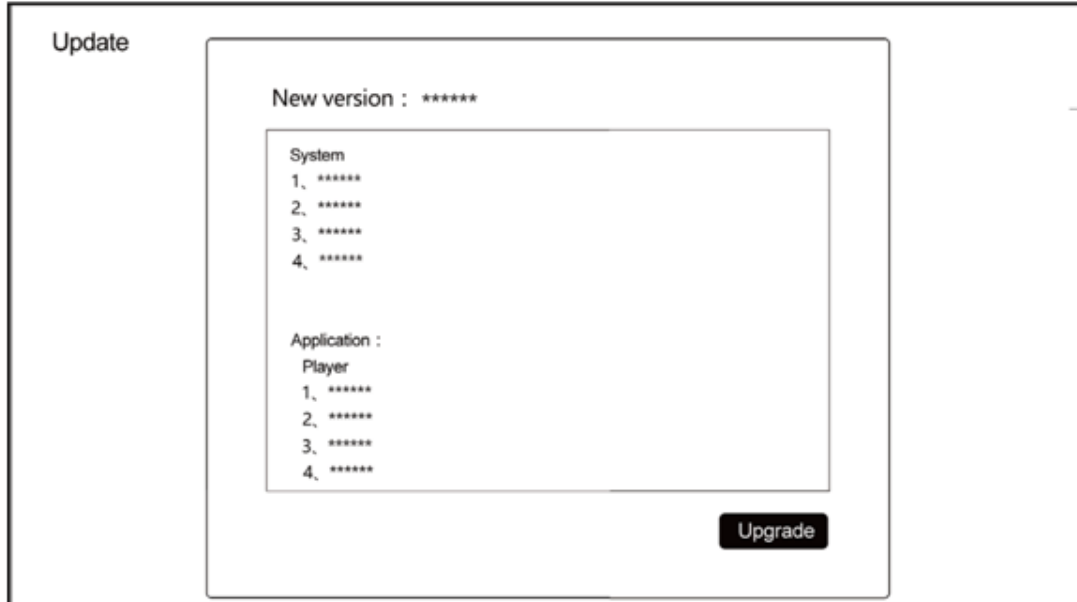This Setting is only for DAC decoder, audio value is DAC Decoder Volume value.

4)XLR Port polarity

SYSTEM UPDATE BY OTA

Zidoo will update the firmware aperidoicity.

Find the system update icon in APP center and open it; support online network update and local update; after ticking "automatically detect the latest version", will receive the prompt for the latest firmware update automatically.

Update

Model: ******

Version: ******

| Online update | USB update | Update log |

☑ Automatically check online upgrade

Update

New version : ******

System
1、 ******
2、 ******
3、 ******
4、 ******

Application :
Player
1、 ******
2、 ******
3、 ******
4、 ******

Upgrade

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.
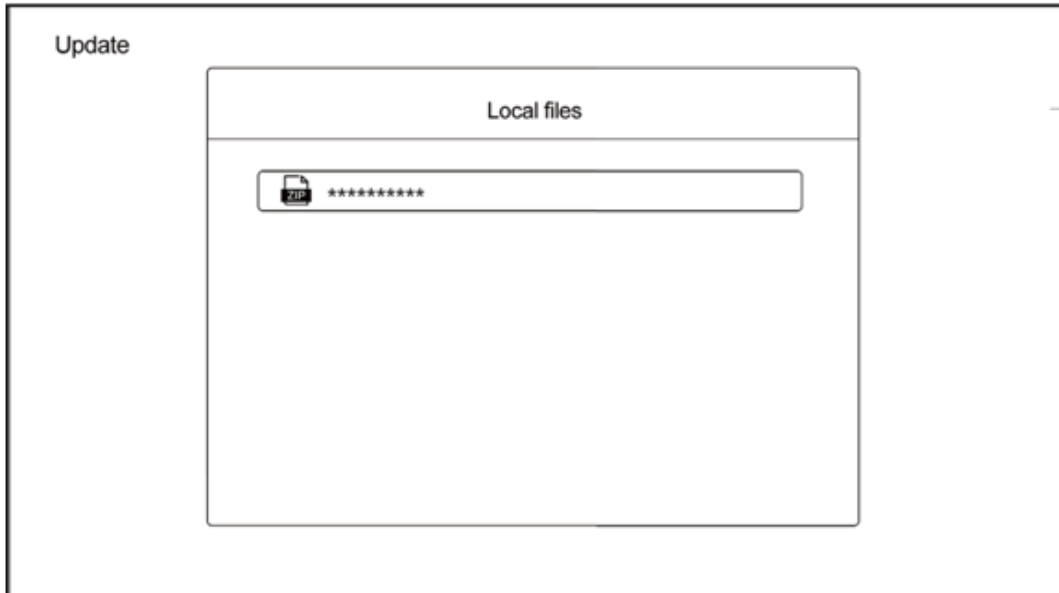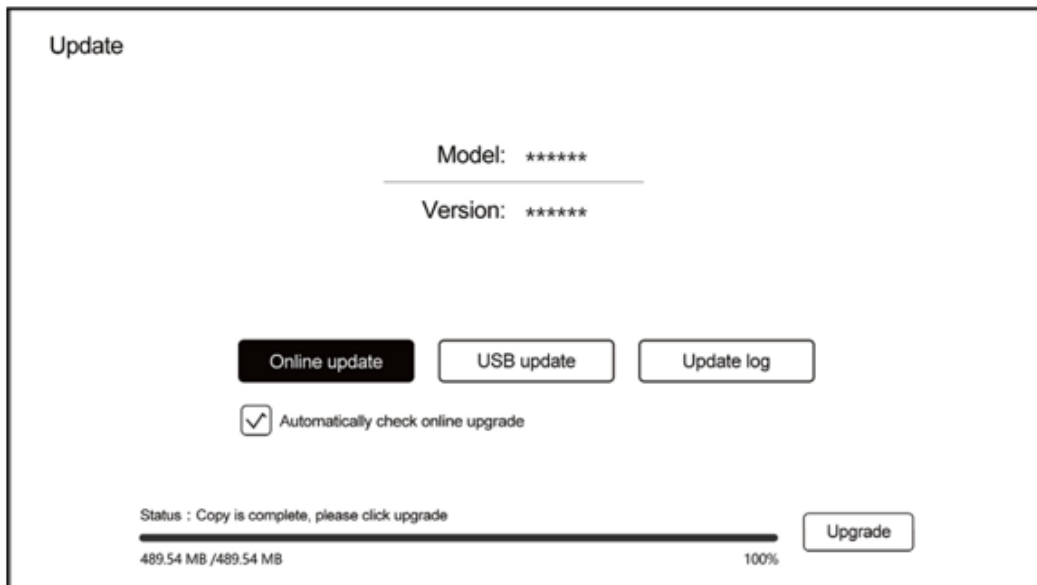
Update

Local files

ZIP **********

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

Update

Model: ******

Version: ******

Online update | USB update | Update log

☑ Automatically check online upgrade

Status : Copy is complete, please click upgrade

Upgrade

489.54 MB /489.54 MB   100%

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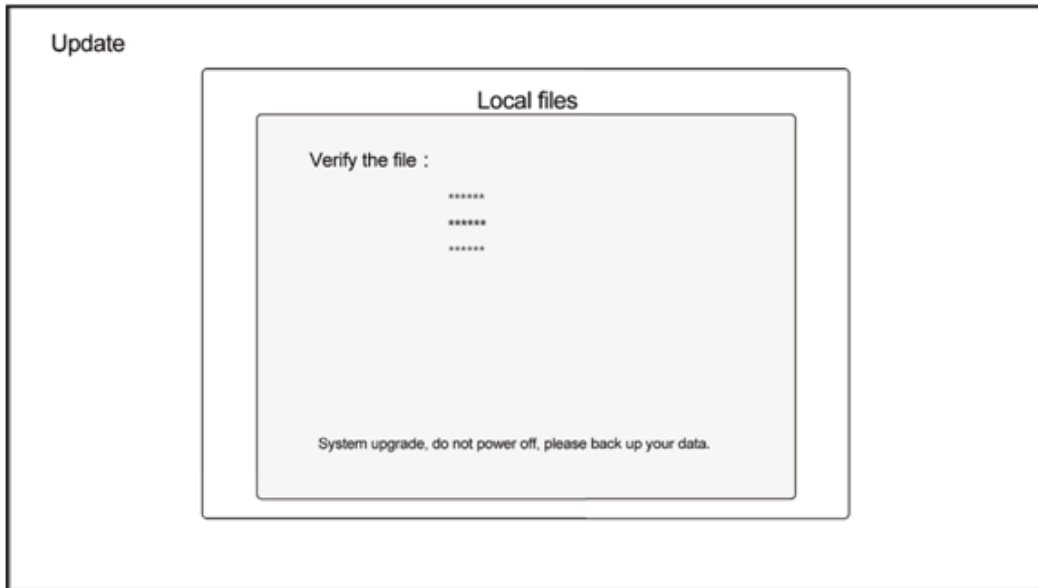
Update

Local files

Verify the file :

******

******

******

System upgrade, do not power off, please back up your data.

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

Update

Model : ******

System is upgrading, please do not power off

Upgrade

489.54 MB /489.54 MB   100%
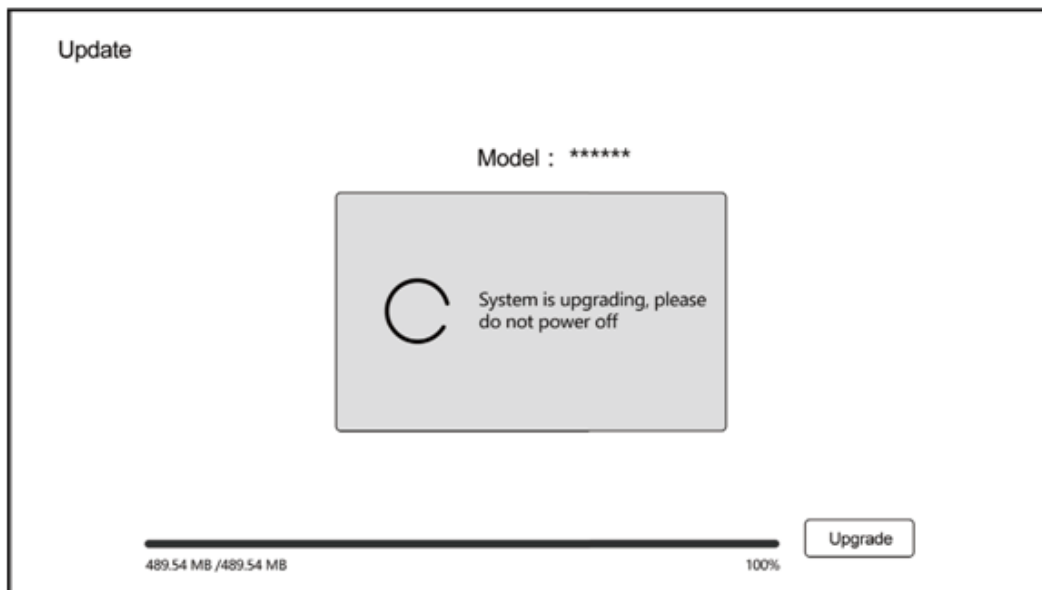
Once the update is completed, the system will automatically be restarted

Special note:

To guarantee user experience, Zidoo will update the firmware aperidoicity. 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 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. For indoor use only in bands 5150-5250MHz.and The gain of the antenna cannot be greater than 3dB.

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

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.

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.