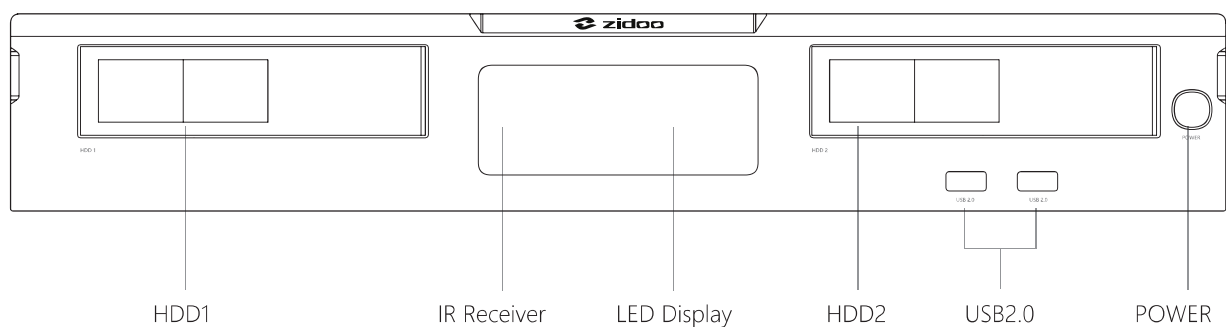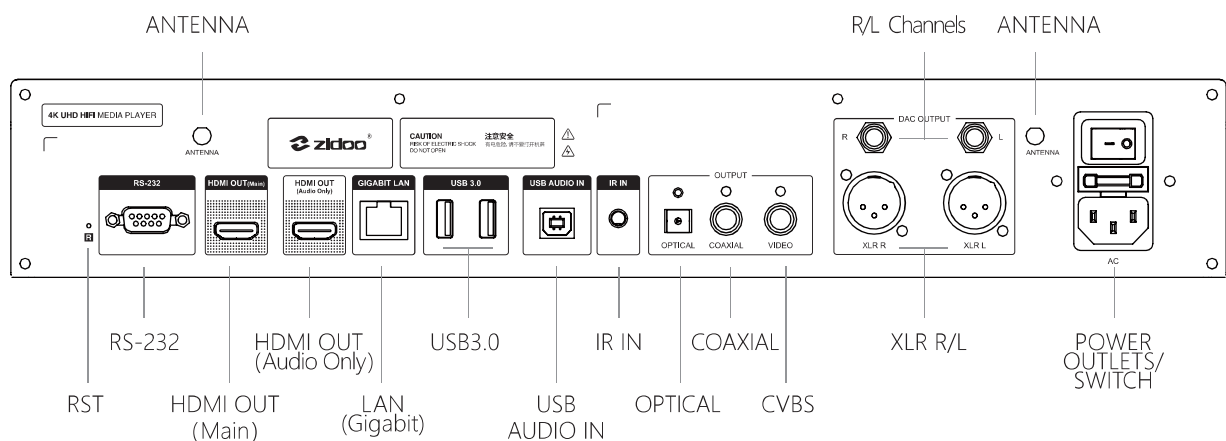# INTRODUCTION TO HARDWARE OF UHD3000

Device interface

Zidoo UHD3000 is equipped with multiple audio input / output ports and data transmission ports. Please refer to the descriptions in this manual.

1.Front

HDD1　　　　　IR Receiver　　LED Display　　HDD2　　USB2.0　　POWER

2.Back

ANTENNA　　　　　　　　　　　　　　　　　R/L Channels　ANTENNA

RS-232　　HDMI OUT　　USB3.0　　IR IN　　COAXIAL　　XLR R/L　　POWER
　　　　　(Audio Only)　　　　　　　　　　　　　　　　　　　OUTLETS/
RST　　HDMI OUT　　　LAN　　　　USB　　OPTICAL　CVBS　　　　　SWITCH
　　　　　(Main)　　(Gigabit)　　AUDIO IN

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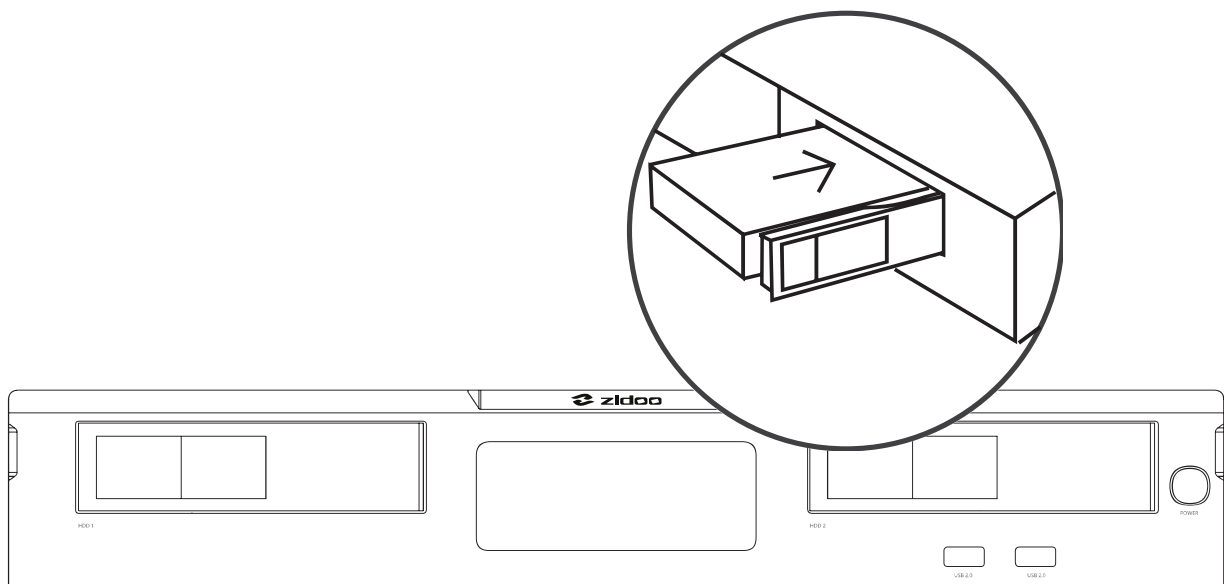
Notices:
*Please load/change the hard disk after turning off the power. If it is a brand-new hard disk, please load it after formatting it.
*Please prevent the orifice of the cooling fan from being blocked.
*Do not touch any liquid in case the liquid runs into the inner part of the device and damages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

PERFORMANCE PARAMETERS

Chassis	Aviation aluminum alloy
OS	Android 9.0
CPU	Realtek RTD1619DR ARM Cortex-A55(hexa-core)
GPU	ARM Mali-G51 MP3
Storage	4GB DDR4+32GB eMMC
Bluetooth	BT4.2
WiFi	2.4G+5G dual band WiFi, 802.11 a/b/g/n/AC 2T2R MIMO 867Mbps
Ethernet	1*RJ-45(10/100/1000Mbps)
HDMI Output	2.0a　(4K@60fps/12Bit/HDR/BT2020/YCbCr 4:4:4 output) +1.4　(Audio Only audio passthrough) separate audio and video output
Video Decoding	4K@60p,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:< 0.00026% ;Output level:(XLR) 4.0±0.4Vrms. (RCA) 2.0±0.2Vrms;DNR:>125dB; Crosstalk:>135dBrA
Power Supply	AC 110~120/220~240V 50/60Hz
SATA	2*SATA3.0 and 3.5" HDD bay (HDD is not included)
Other Ports	1*IR in,1*RCA composite video connector, 1*RS232,2*USB3.0,2*USB2.0
Accessories	1*remote control,1*power cable,2*antennas,1*user manual

LOADING HARD DISK

UHD3000 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 14TB Maximum)
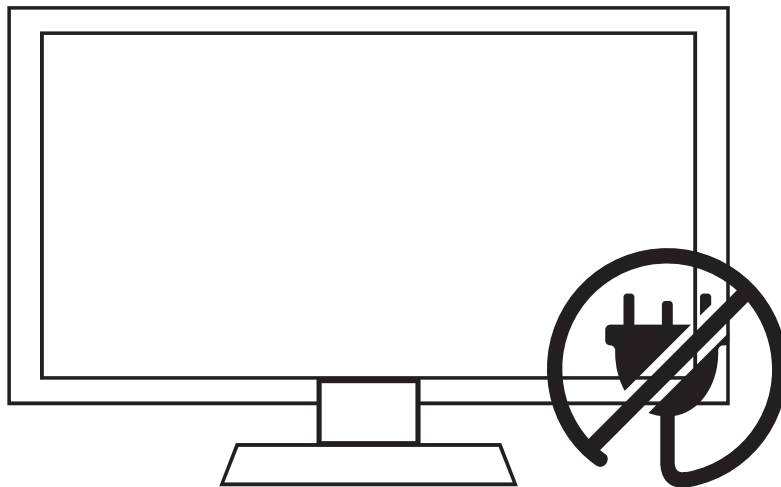

Notice:
Please do not load or change the hard disk when powering on and in order to avoid damage the disk and data. This device support hard disk formats:EXT3,EXT4,NTFS, FAT32,EXFAT.
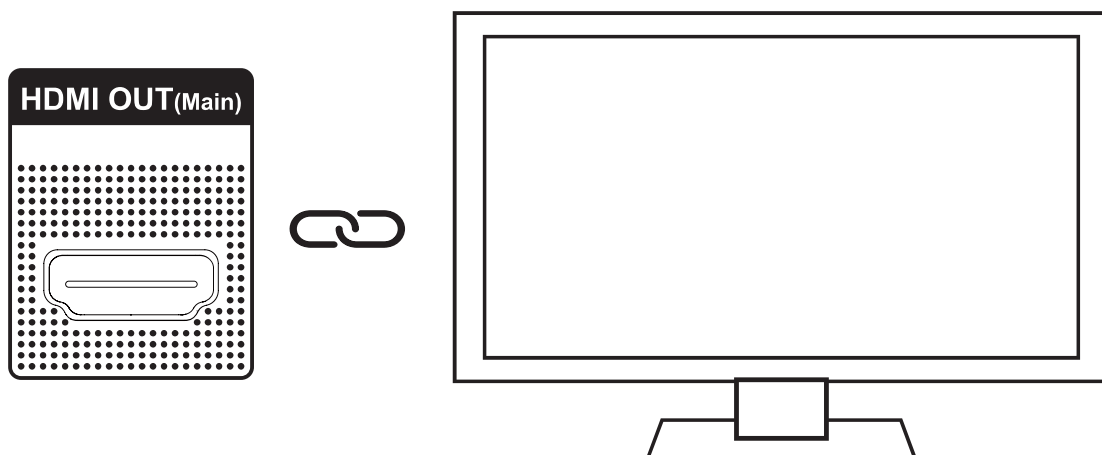
Connection with Device

1.HDMI connects to the TV.

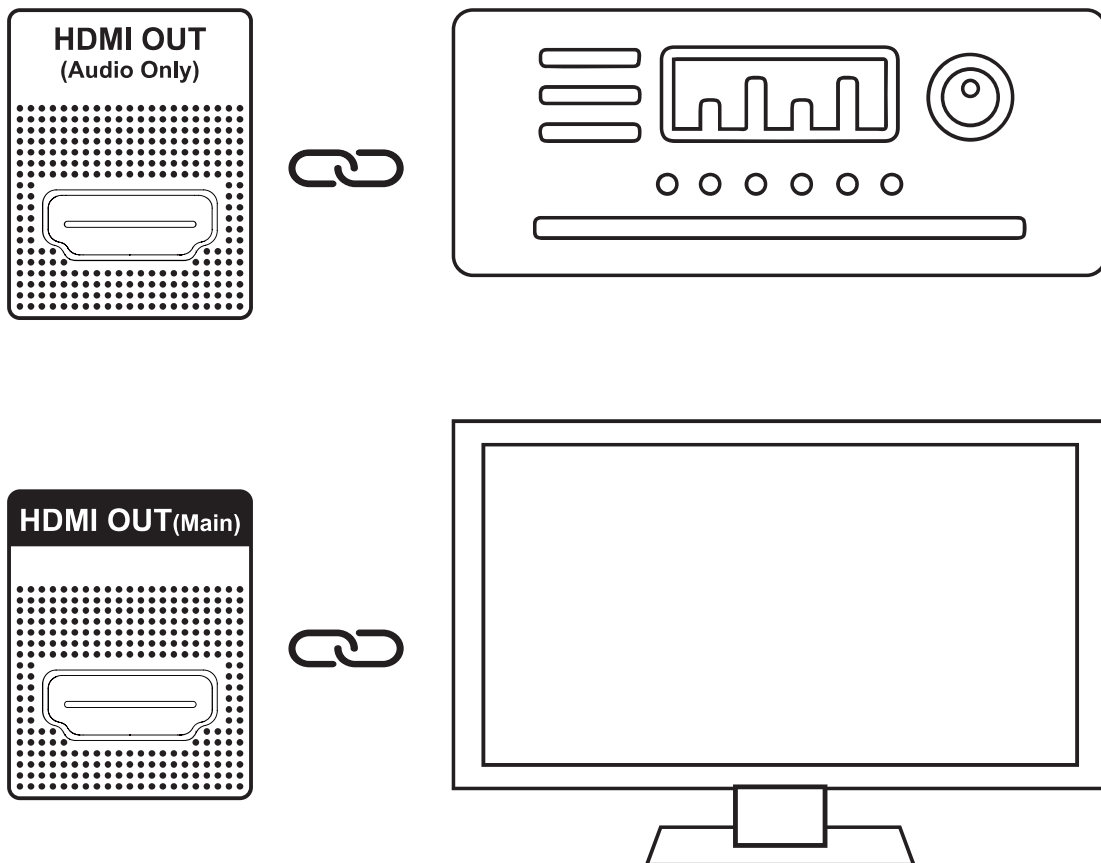UHD3000 have two ways to connect HDMI. One is stand-up output mode and another one is Double output mode.
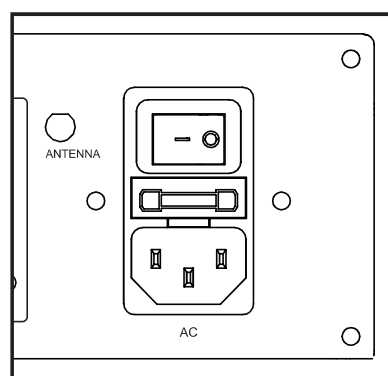① Cut off the power of the device. Please make sure the power of both the TV and Media Player are off.

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.

HDMI OUT(Main)

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.
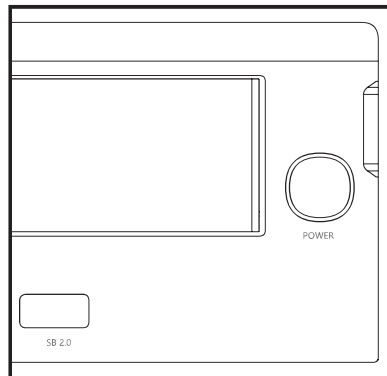

④ Connect with the power. This device is equipped with suitable AC power adapter. Please connect the head of AC power adapter to the AC power input port of this device, then insert the plug of AC power line into the alternating current socket of 110~120/220~240V.
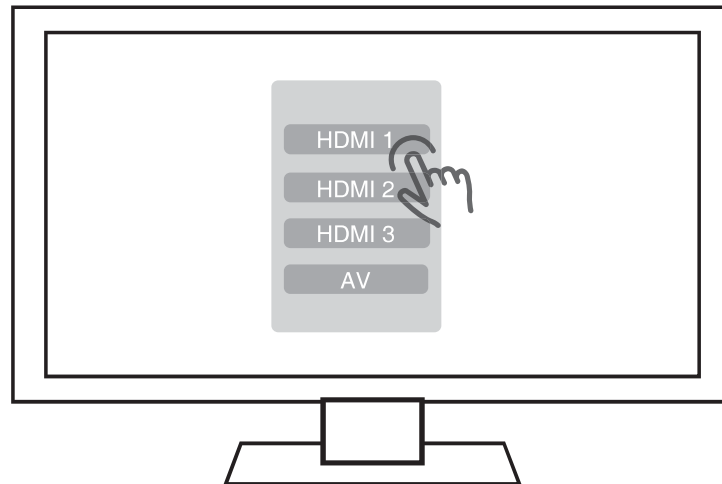
⑤ Turn on device by pressing the power button on the right side of the front panel or pressing power button on remote control.

POWER

SB 2.0

⑥ Corresponding video source is selected by TV.

HDMI 1
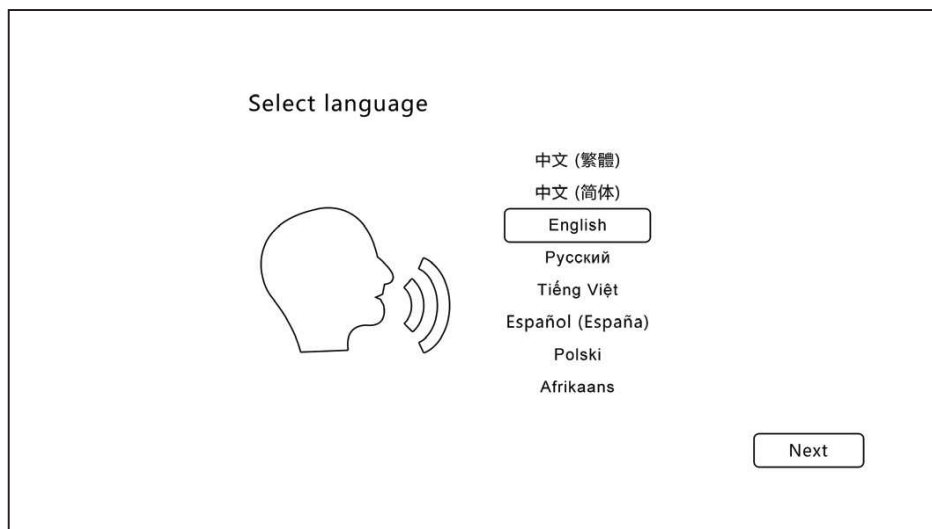HDMI 2
HDMI 3
AV

2.Connect AV cable with the TV

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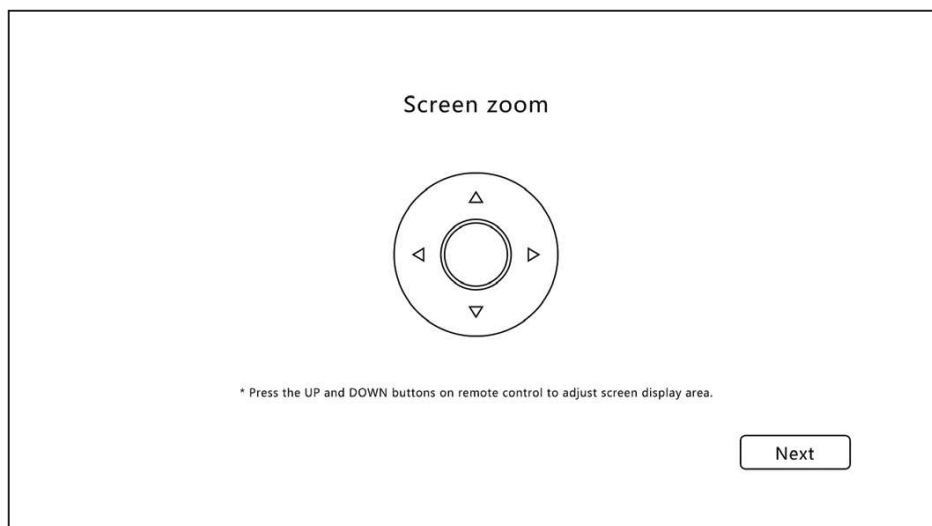
Boot initialization wizard

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
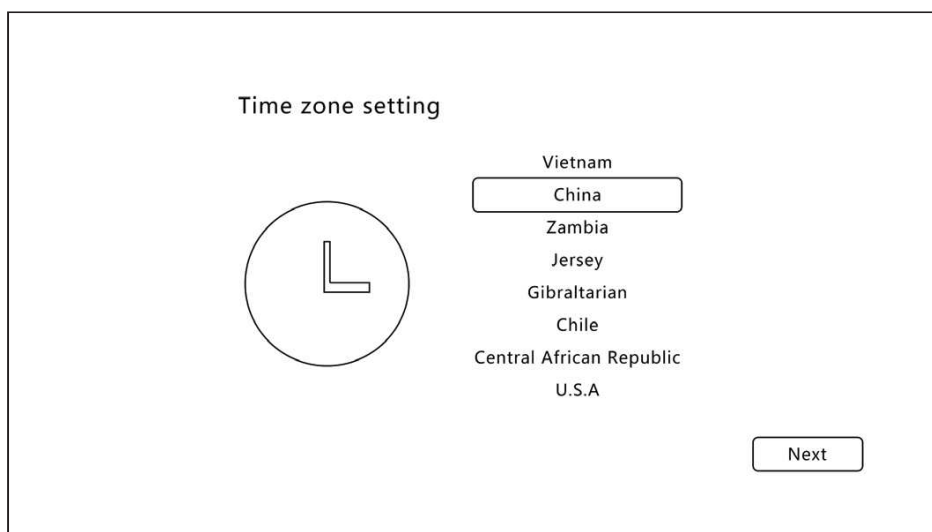Choose the system language according to your language habit.

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.