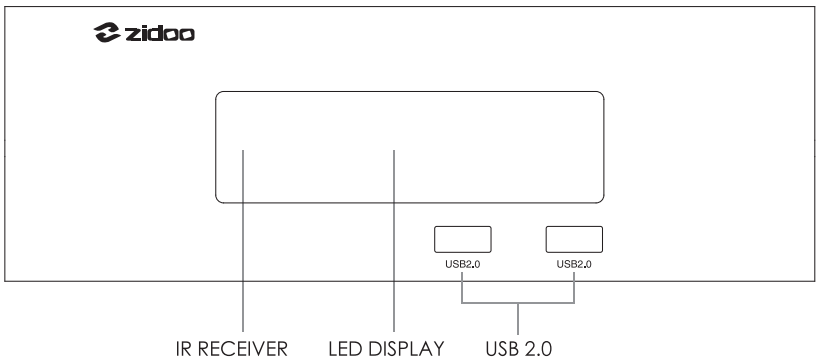


# Introduction to Hardware of Z20 PRO

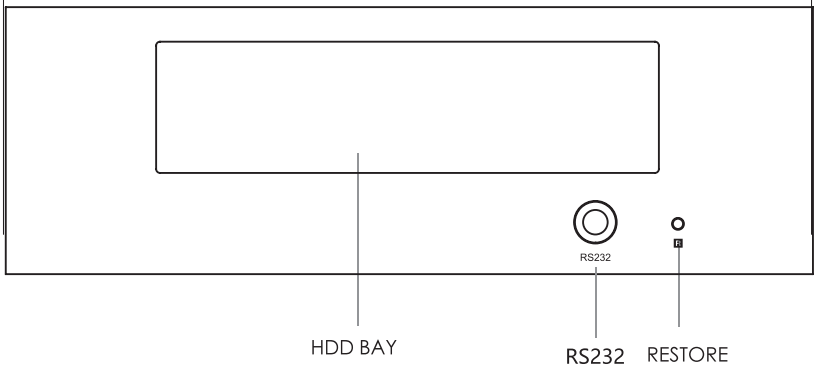
## Device Interface

Zidoo Z20 PRO is equipped with audio and video input & output ports and data transmission ports. Please refer to the descriptions in this manual.

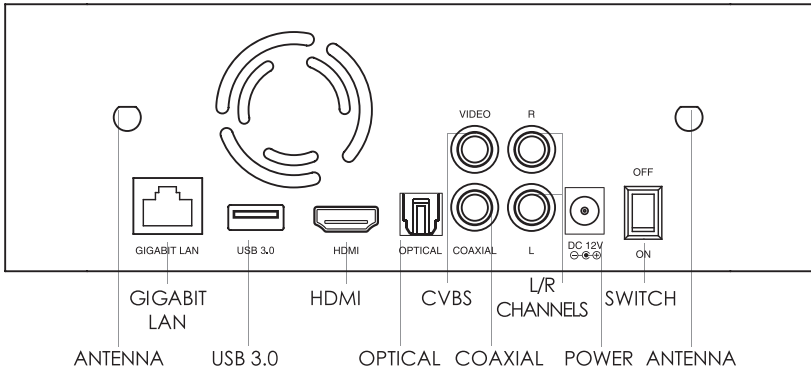
### 1. Front



### 2. Right



### 3. Back



Instruction to installation of the antenna: Please insert the two antennas in the parcel into the antenna ports in the above diagram.

**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.

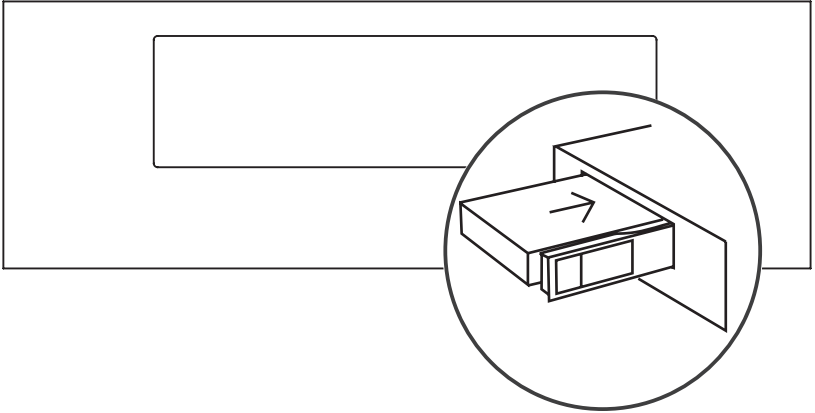
\*Please prevent the orifice of the cooling fan from being blocked.

\*Do not touch any liquid in case the liquid runs into the inner part of the device and damage it.

\*Any maintenance personnel who are not appointed are not allowed to open the case.

## Load the Hard Disk

Z20 PRO is equipped with 3.5 inches HDD Bay and high speed SATA transmission port. The hard disk can be loaded by pushing with hand. (The maximum hard disk supports 14 TB )

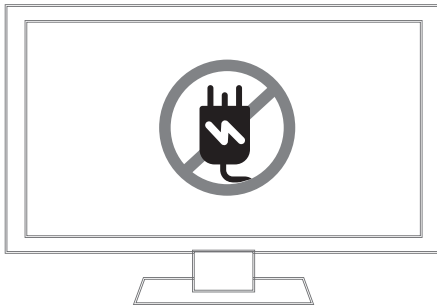


**Note:** Do not load or change the hard disk while the power is on to avoid damage of the device or hard drive data. If it is a brand-new hard disk, please format it before loading it to the device. This device supports hard disk of the following formats: EXT3, EXT4, NTFS, FAT32, EXFAT.

# 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.

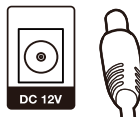


2) When the TV is turned off, please connect HDMI OUT port on Zidoo to HDMI IN port on TV.

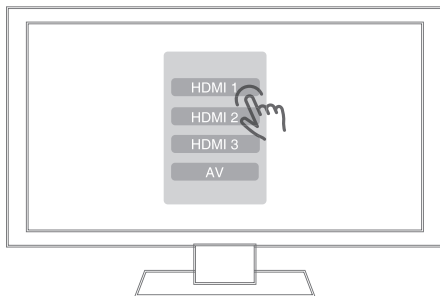


HDMI

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.



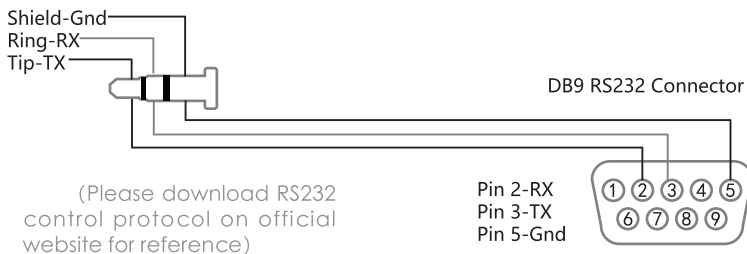
4) Corresponding video source is selected by TV.



## 2. Connect AV Cable to the TV

The connection method is same as connecting HDMI cable.

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



## Z20 PRO Specification

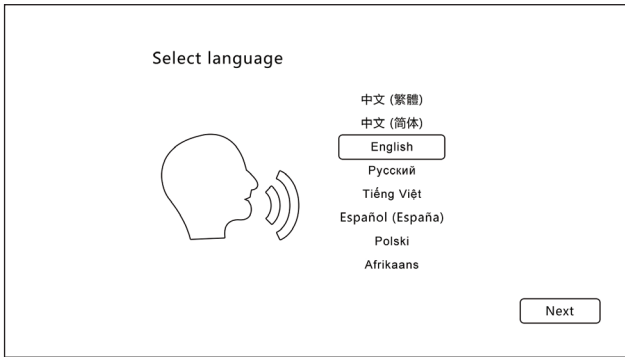
<b>Front Display</b>	LED
<b>Shell</b>	Aluminum Alloy
<b>OS</b>	Android 11
<b>CPU</b>	Realtek RTD1619BPD ARM Cortex-A55(Quad-core)
<b>GPU</b>	ARM Mali-G57
<b>NPU</b>	1.6TOPS
<b>RAM</b>	4GB DDR4
<b>Internal Storage</b>	32GB eMMC
<b>Bluetooth</b>	BT 5.2
<b>WIFI</b>	2.4G + 5G dual-band WiFi, 802.11 a/b/g/n/ac/ax 2T2R, 802.11ax MIMO OFDM
<b>Ethernet</b>	1*RJ-45 Ethernet Jack (10/100/1000Mbps)
<b>HDMI Out</b>	HDMI 2.1, support up to 4K @ 60p, HDR, 12Bit, YCbCr 4:4:4 color range, support audio pass-through
<b>Video Decoding</b>	4K@60p,AV1/HEVC/H.265,12Bit, HDR10, HDR10+, Dolby vision
<b>Audio Decoding</b>	Support high-definition audio pass-through and audio decode
<b>Intelligent Control</b>	Mobile APP control, RS-232, TCP/IP control and WOL support
<b>SATA</b>	1*HDD Bay
<b>USB</b>	1*USB 3.0, 2*USB 2.0
<b>Power Supply</b>	DC 12V 2A
<b>Other interface</b>	1*IR Receiver, 1*RCA Cvbs, 1*RCA Audio L/R Channels, 1*Coaxial/1*SPDIF(2CH, 5.1CH), 1*3.5 (mm) RS-232, 2*External High-Gain Antenna

# Boot Initialization Wizard

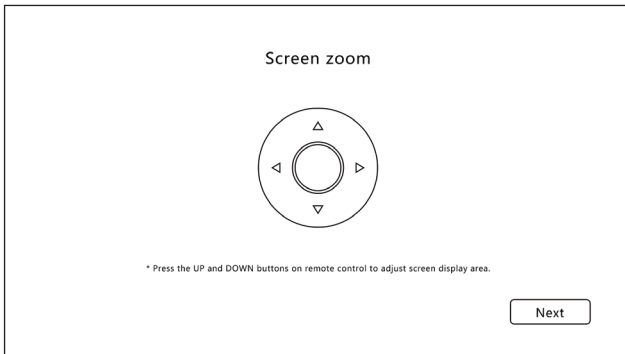
Before using the machine formally, the system will perform the initial setup. Please set according to devices and requirements to get the best visual experience.

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

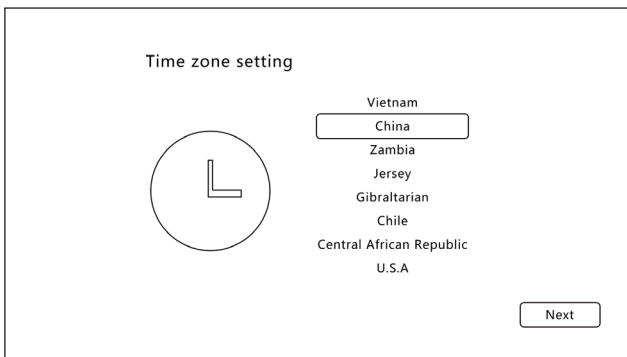
Choose the system language according to your language habit.



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

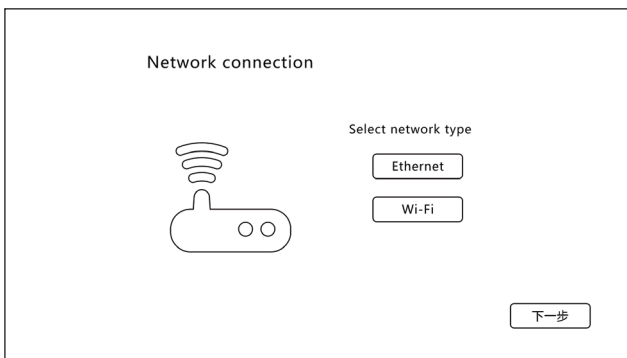


Select the time zone for the system according to your location.



## 2. Network Setting

Configure network to connect device with network quickly.



**WiFi:** choose network SSID, input password and connect WIFI.

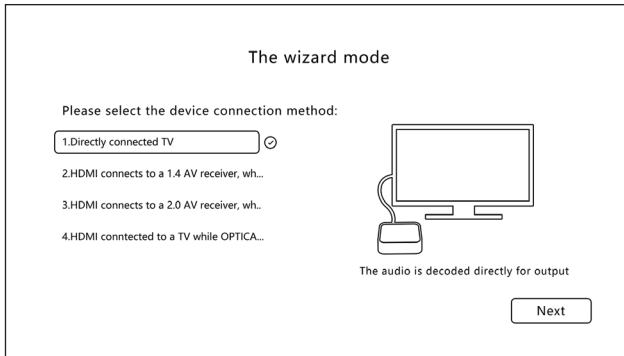
**Ethernet:** plug in the network cable to connect the network automatically .



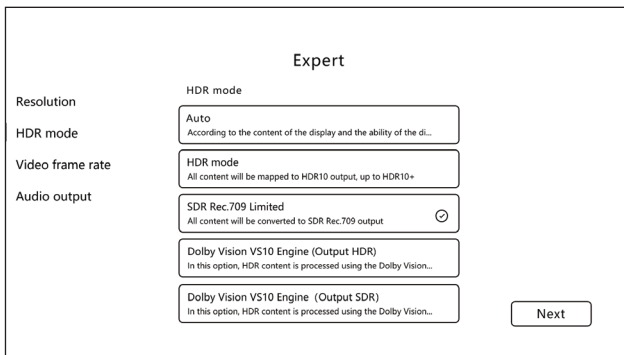
## 3. Select output mode

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.

### The key definition

Number keys	Specific percentage of video >
Timing keys	Close >
Subtitle keys	Subtitle list >
Audio keys	Audio list >
Up and Down keys	Switch chapter >
Page Turning Keys	Switch chapter >

After completing settings above, please follow prompts and click “Next” until entering Zidoo user interface. Enjoy Zidoo audiovisual feast!

# OTA System Update

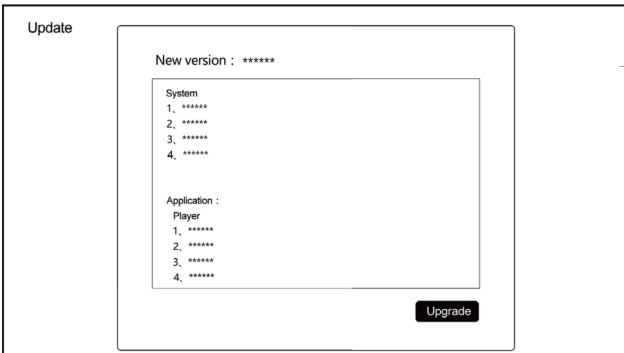
Zidoo will update the firmware from time to time.

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

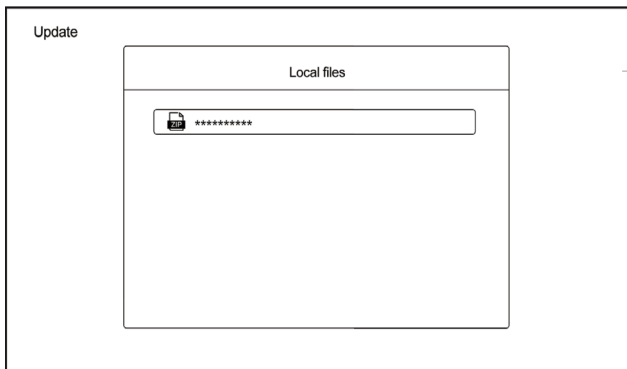
Click "Online Update" to obtain information of online update.



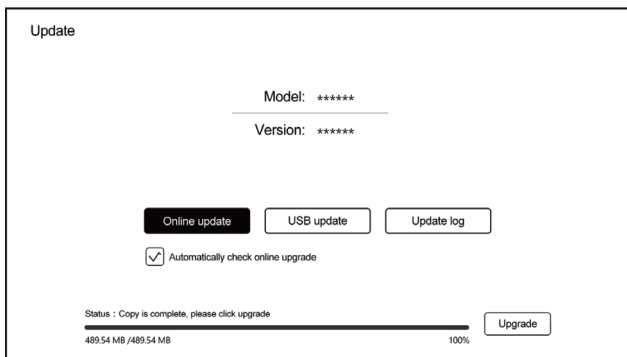
## 2. Local Update

Users can download the update files on the forum or official website and update firmware through files.

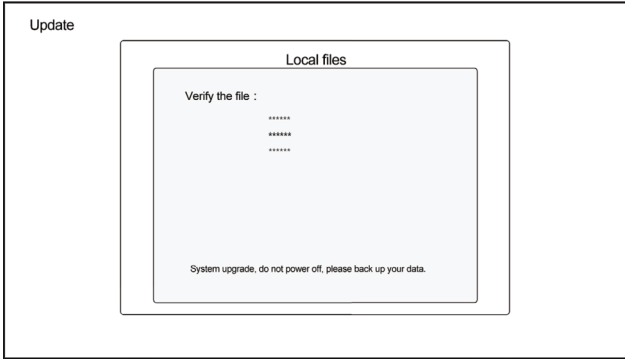
Copy the downloaded update file to USB disk. Click "USB update" to select the update file.



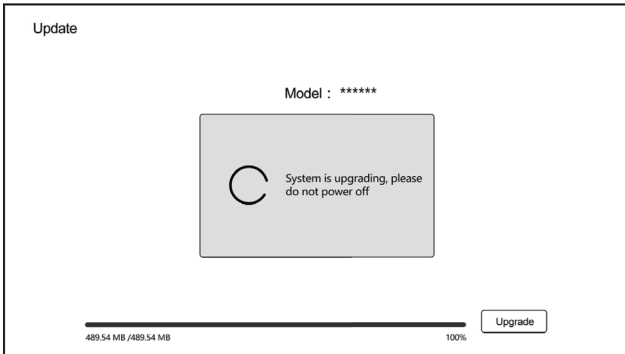
Download the update file by online update or local update. Click "Update" to update it.



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 用户姓名		Sex 性别	
Address 回寄地址			
Telephone 联系电话		Zip 邮编	
Product name 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 etc），本公司将不予保修。



FCC Warning:

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.

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.