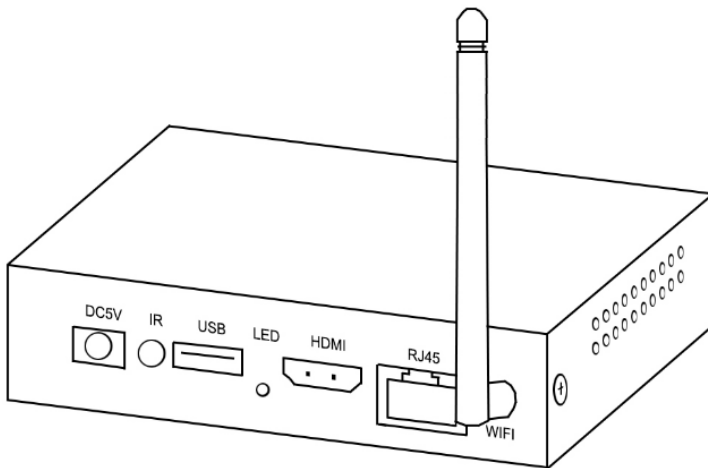


# Smart Box

## Instruction Manual



**Nanjing Yihai Intelligent Technology Co., Ltd**

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# **I. Safety Statement**

Before using this Smart Box, please carefully read all the contents of this product manual and strictly follow the following terms:

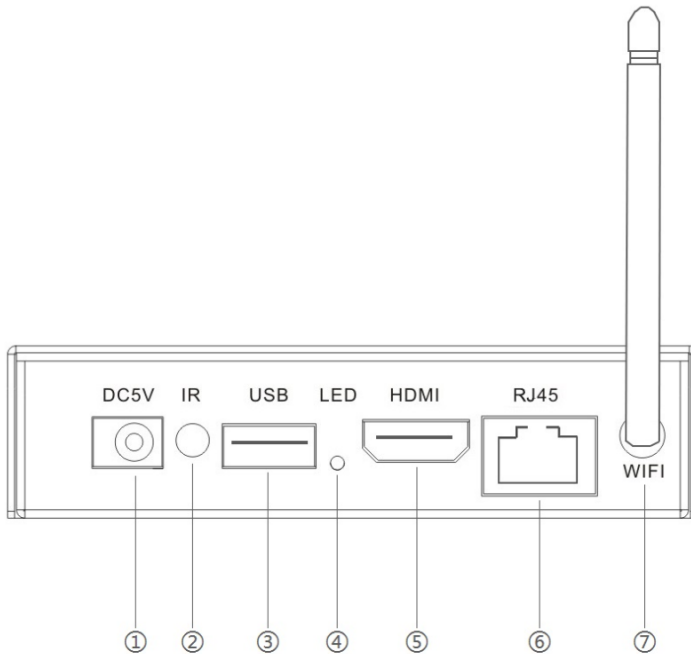
1. Before turning on the machine, you must check whether the Smart Box is firmly installed and whether the wall mount is tilted;
2. The Smart Box is precision electronic device, please handle it carefully to avoid falling from high altitude;
3. Do not bend the plug of the power adapter, and do not make the plug of the power adapter pulled by external force. Bending the plug of the power adapter will affect the stable use of the device;
4. Do not plug or unplug any components of the device when it is live;
5. When the device is stopped in use, it is recommended to cover it against dust and disconnect the power supply;
6. Please be careful not to pull the HDMI signal connection cable, otherwise it will cause abnormal video signal transmission;
7. When a failure occurs, the main power supply should be cut off immediately, unplugged and stopped using, and the after-sales service should be contacted in time;
8. Please do not disassemble or repair it without permission;
9. The time interval between each switch of the Smart Box is not less than 5 seconds;
10. Please ensure that there is air circulation around the Smart Box, and the space around the Smart Box is not covered or blocked;
11. Do not place the Smart Box in direct sunlight or near heat sources such as radiators, heating equipment, stoves, and other heat-generating objects;
12. The device should not come into contact with water and chemicals;
13. To clean the Smart Box, a soft dry cloth should be used to wipe the body, and do not use a wet or chemical-containing cloth (such as gasoline);
14. Please use the special power adapter provided with the Smart Box. Before connecting the AC power cord of the power adapter to the power socket, please check whether the input voltage requirements of the power adapter are suitable for the local power supply conditions. If you are not sure about the type of power supply, please contact the dealer or local power department.

## II. Smart Box Parameters

Main chip CPU	Hi3751V352F
CPU core	Quad-core Cortex-A53
GPU	Mali-450 MP2
Memory	1G
Storage	8GB
Wireless network	2.4 GHz WiFi module $\times$ 1, supporting WIFI IEEE 802.11 b/g/n
Wired network	Wired 10M/100M adaptive Ethernet RJ45 network port $\times$ 1
HDMI interface	HDMI 1.4 $\times$ 1
LED indicator	Status indicator LED $\times$ 1
USB interface	USB 2.0 $\times$ 1
Remote control receiving head	Remote control receiving head IR $\times$ 1
Power jack	Round hole socket DC55 25 $\times$ 1
Decoding resolution	Supports Full HD (1920 $\times$ 1080)
Operating system	Android 9.0
Playback mode	Supports multiple playback modes such as loop, timing, insertion, etc.
Video support	MPEG-1, MPEG-2 MP @ HL, MPEG-4. 2 ASP @ L5 (720p), MPEG-4. 10 (H.264) BP @ L3 and other formats
Audio support	MPEG-1 Layers I, II and III (MP3) 2.0, 24-bit linear PCM7.1 and other formats
Picture support	GIF, JPEG, PNG, BMP and other formats
Operating Temperature	0°C~+40°C
Operating humidity	10% ~ 90%, no condensation
Storage Temperature	-40°C~+70°C
Power input	DC5V 2A

### III. Function Description of Smart Box Connection Port

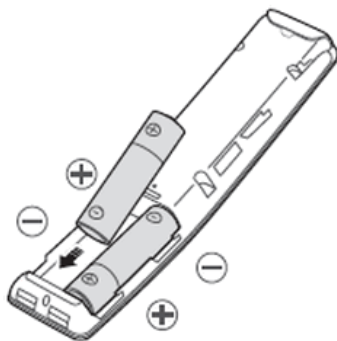
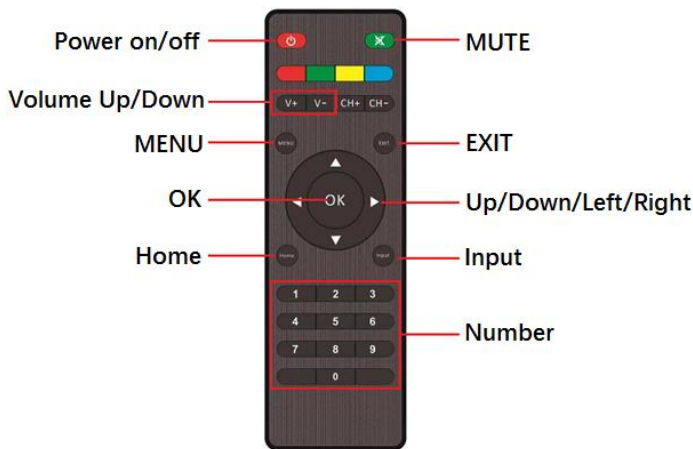
The Smart Box has a peripheral connection port, and the peripheral connection port is set on the back. The specific connection port function is described as follows:



- ①DC 5-volt external power input port, size  $55 \times 25$ ;
- ②IR infrared remote control receiving head;
- ③USB input port, specification is USB2.0;
- ④LED status indicator, with red and blue lights alternating, signifies that the device is in the process of starting up. A steady blue light indicates that the device is functioning normally. A steady red light denotes that the device is in standby mode (when the device is in normal operation, it can be powered off and placed into standby mode by pressing the remote control; when the device is in standby mode, it can be started by pressing the remote control to power on) ;
- ⑤HDMI signal output port, the specification is HDMI1.4 backward compatible;
- ⑥Wired network input port, specification RJ45;
- ⑦WiFi mast port.

# IV. Smart Box Remote Control Key Function

The Smart Box is equipped with a remote controller, which can be used to perform various functions. The specific functions corresponding to the buttons of the remote controller are described as follows:



The remote controller uses AAA dry batteries. When installing the remote controller battery, please pay attention to the polarity of the battery. The positive electrode of the battery is generally marked as "+", and the negative electrode of the battery is generally marked as "-". The positive and negative electrodes of the battery should be the same as the remote controller. The marked positive and negative electrodes in the battery compartment correspond to each other.

## **V. Precautions of Smart Box**

1. The Smart Box is equipped with an external power adapter. The DC terminal of the power adapter needs to be connected to the corresponding power adapter interface of the Smart Box, and the AC terminal needs to be connected to the power socket. Please ensure the reliability of the power adapter connection. The loose power adapter may cause the abnormality of the Smart Box. The power adapter needs ventilation and heat dissipation;

2. The Smart Box is equipped with a remote controller, and you need to bring your own two AAA batteries. When installing the battery, please pay attention to the positive and negative polarity signs in the battery compartment of the remote controller. The wrong installation method of the positive and negative polarity of the battery will cause the remote controller to fail to work normally. It is recommended to use the remote controller to turn on and off. Using the remote controller to turn on and off can effectively protect the Smart Box from the impact of unexpected current fluctuations;

3. The remote controller shall remotely control the IR infrared remote control receiver of the Smart Box. The position of the IR infrared remote control receiver is marked in detail in "Function Description of Smart Box Connection Port" on page

4. If the remote controller is not aligned with the IR infrared remote control receiver, the remote control may fail;

4. The Smart Box is equipped with an HDMI signal cable. One end of the HDMI signal cable needs to be connected to the HDMI signal interface corresponding to the Smart Box, and the other end needs to be connected to the HDMI signal interface corresponding to the TV to be used. Please ensure the reliability of the HDMI signal cable connection. Loose HDMI signal cable may cause abnormal display;

5. The Smart Box is equipped with an antenna mast. The antenna mast needs to be manually screwed clockwise into the corresponding WiFi antenna terminal. It is necessary to ensure that the antenna mast is tightly connected to the WiFi antenna terminal. Loose antenna mast connection will cause abnormal WiFi network signal of the Smart Box.

## **VI. Instructions for using the intelligent commercial display system**

This product is an intelligent Smart Box based on Android system with built-in intelligent commercial display system software. For specific usage methods, please contact the dealer for consultation.

## **VII. Troubleshooting**

<b>Fault</b>	<b>Reason</b>	<b>Solution</b>
Power on, Smart Box does not start	Poor power adapter wiring	Plug that power adapter in the Smart Box
	Poor power supply to power adapter	Check whether there is any looseness between the power
The Smart Box starts normally, but the display does not show	Poor contact of HDMI cable	Plug in the loose connection of the HDMI cable tightly
	Display Signal Source Error	Switch to the current HDMI source
The Smart Box starts normally and cannot be connected to the Internet	Poor router network	Check whether the router connects to the Internet normally
	Poor network cable connection	Check if the crystal head is made correctly
	Antenna mast poorly connected	Tighten the WiFi mast

**Dear Customer:**

**Please keep this instruction manual safely for consultation.**

**If you encounter problems during use, please call the designated supplier service hotline for consultation.**

**This product manual is for reference only. If the specific functions change, please refer to the actual product without other explanation.**



#### FCC Warning

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.

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.

#### Radiation Exposure Statement

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.