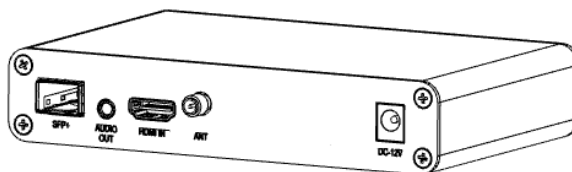


# SmartBox Video Box (HDMI)



## User Manual

Warning: Please read the manual carefully before using the product.

# Content

<b>Parts list</b> .....	4
<b>Interface Description</b> .....	5
<b>Controller Description</b> .....	7
① <b>ON: Activate holographic photon screen</b> .....	7
② <b>OFF: Stop holographic photon screen</b> .....	7
③ <b>Reserved button</b> .....	7
④ <b>L+: Holographic photon screen brightness increase</b> .....	7
⑤ <b>Reserved button</b> .....	7
⑥ <b>MATCH: pairing button</b> .....	7
⑦ <b>L+: Holographic photon screen brightness reduction</b> .....	7
⑧ <b>Reserved button</b> .....	7
<b>How to Install</b> .....	8
<b>Wiring Description</b> .....	10
<b>Instruction of Use</b> .....	11
<b>1、 Controller</b> .....	11
<b>(1) Controller Pairing</b> .....	11
<b>(2) Switchgear</b> .....	11
<b>(3) Adjust brightness</b> .....	11
<b>2、 Audio output</b> .....	11
<b>Troubleshooting</b> .....	12
<b>Product Specification</b> .....	13

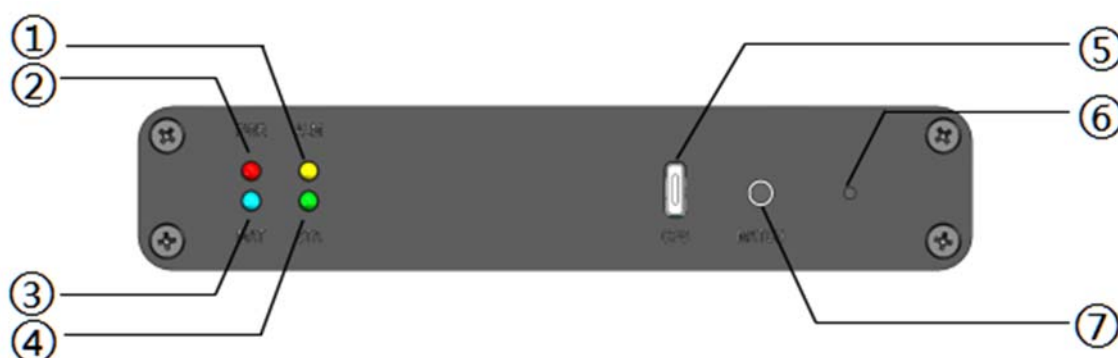
# Notes

- 1、 The Fan shall be installed away from obstacles. Installed first and then powered on to avoid damage to the blades.
- 2、 There is a risk of injury to people when the fan blades rotate at high speeds during device operation. A safe distance should be maintained from the device during operation, and the surrounding environment should be safe during installation to avoid injury.
- 3、 Fiber optic cables are fragile products, so they should be avoided from bending forcefully during the wiring process to prevent equipment from not displaying.
- 4、 When the fan is working, do not disassemble the fan, otherwise it may cause abnormal operation on the fan.
- 5、 Keep away from high temperature and high humidity environment. Do not use it outdoor if it is raining.
- 6、 Pay attention to maintenance and clean the fan regularly.

## Parts list

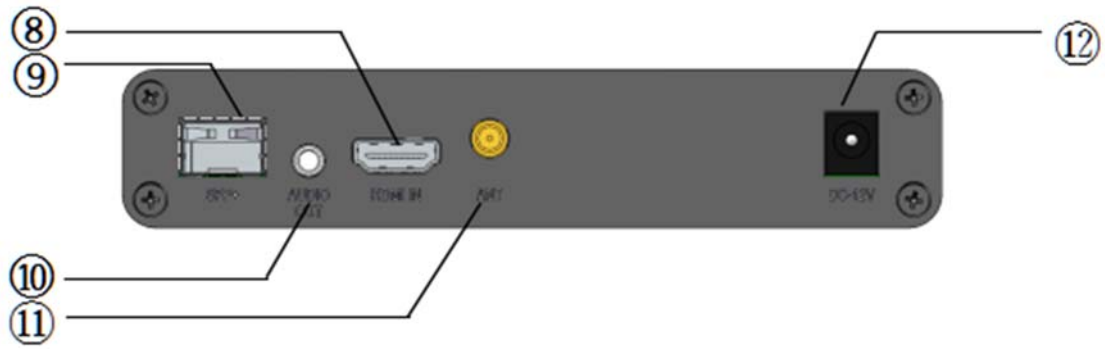
No.	Items	Quantity
1	Device Host	1
2	Power Adapter	1
3	Optical Module	1
4	Optical Fiber	1
5	HDMI	1
6	Controller	1
7	Antenna	1
8	Warranty Card	1
9	Qualification	1
10	Instruction	1

# Interface Description



- ① ALM: Alarm indicator light, constant off: HDMI input normal, constant on: HDMI input abnormal
- ② PWR: Power indicator light, constant on: normal power supply, constant off: abnormal power supply
- ③ MAT: Remote control matching indicator light, constantly on: not entering pairing state, flashing: entering pairing state
- ④ STA: Running status indicator light, always on: running normally, always off: running abnormally
- ⑤ CFG: Communication interface between PC and video box, connected using Type C data cable
- ⑥ Button: Hidden system reset button
- ⑦ MATCH: Remote control matching, press and hold for 3 seconds to enter the remote control matching state

For more indicator status, please refer to the "Indicator Status" section.



⑧HDMI IN: HDMI video source input interface

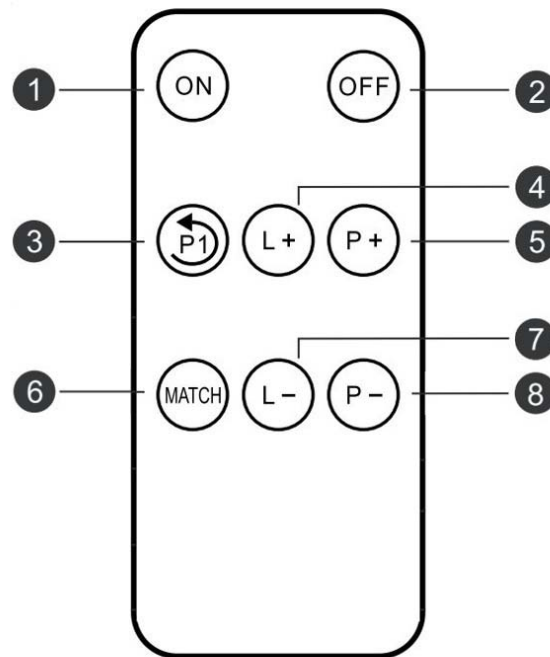
⑨ SFP+: SFP+fiber optic module interface

⑩ AUDIO OUT: 3.5mm audio interface, can be connected to a speaker when external sound playback is required

⑪ ANT: Remote control receiving antenna interface

⑫ DC-12V: DC 12V@2A Adapter power input interface

# Controller Description



- ① ON: Activate holographic photon screen
- ② OFF: Stop holographic photon screen
- ③ Reserved button
- ④ L+: Holographic photon screen brightness increase
- ⑤ Reserved button
- ⑥ MATCH: pairing button
- ⑦ L+: Holographic photon screen brightness reduction
- ⑧ Reserved button

# How to Install

## 1、 Optical module and fiber installation

- (1) Take out the video box and optical module from the packaging, insert the optical module vertically into the "SFP+" interface of the video box, install it in place, take out the matching optical fiber, and connect it into the optical module. Pay attention to distinguishing the input and output directions. The " $\triangle$ " on the optical module represents the input interface of the video box, and the " $\nabla$ " represents the output interface of the video box, as shown in Figure 1-1.

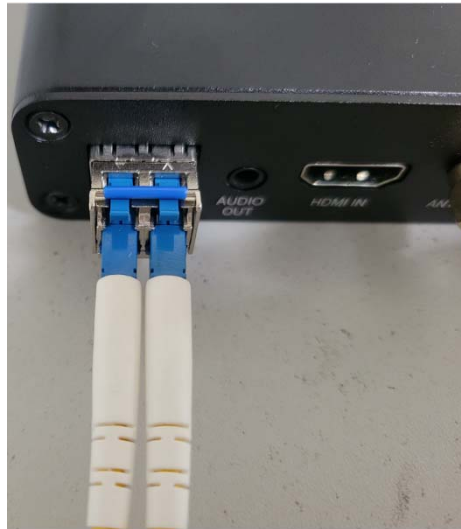


Figure 1-1

- (2) Take the HDMI cable from the packaging, connect one end to the "HDMI IN" interface of the video box, and the other end to the HDMI output interface of the video source, as shown in Figure 1-2.



Figure 1-2



- (3) Take the Type-C data cable from the packaging, connect it to the "CFG" interface of the video box, and connect the other end to the USB interface on the PC end, as shown in Figure 1-3.



Figure 1-3

# Wiring Description

The back of the video box contains two fiber optic interfaces, one for output and the other for input. When connecting, only the devices that need to be connected to the screen need to be connected through fiber optic series connection to the corresponding input and output ports. The initial device needs to connect the input port of the device with the output port of the video box using optical fiber to obtain the video source signal from the SmartBox video box.

Please refer to the "Smart65 Holographic Photon Screen Product User Manual" for more information on the use of Smart65 Holographic Photon Screen.

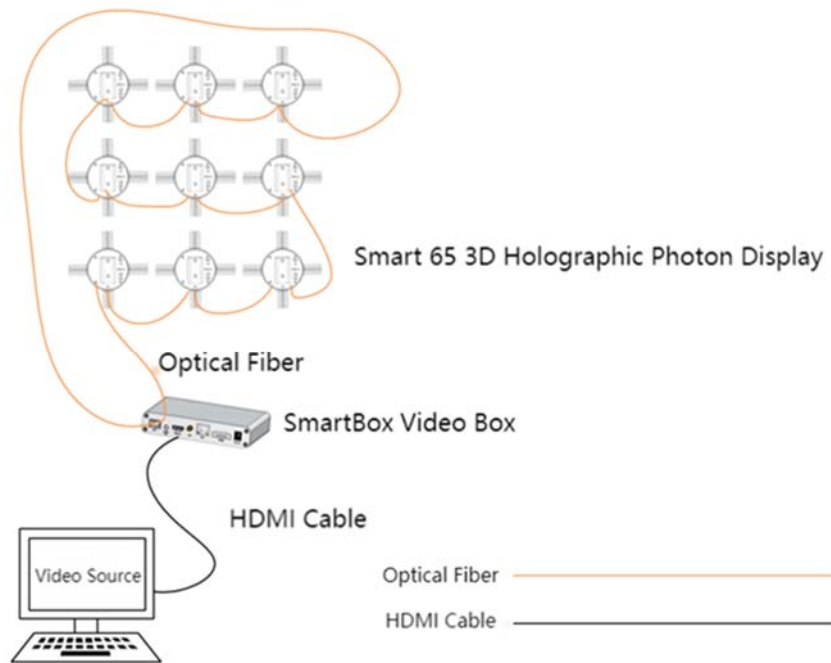


Figure 1-4

# Instruction of Use

## 1、Controller

### (1) Controller Pairing

When the device is in standby mode (not rotating), long press and hold the "MATCH" button on the video box (HDMI), and the indicator light "MAT" will change from green to green flashing. At this time, use the remote control to aim at the device, click the "MATCH" button on the remote control, and the indicator light "MAT" will flash green and return to green flashing, indicating successful pairing.

### (2) Switchgear

Align the device with the remote control, press "ON" on the remote control, and the device will rotate; Align the device with the remote control and press "OFF" on the remote control to stop the device from rotating.

### (3) Adjust brightness

Use the remote control to align the device, press the "L+" button on the remote control to increase the brightness of the device, and press the "L -" button to decrease the brightness of the device.

## 2、Audio output

### (1) Connect the speaker to play audio

The video box (HDMI) is equipped with a 3.5mm audio interface. If you need to play audio, you can connect it to an external speaker with a 3.5mm audio cable, as shown in Figure 2-1.



Figure 2-1

# Troubleshooting

1. After turning on the power, the power indicator light of the video box does not light up

Solution: Check if the power supply is connected properly and if the circuit is normal.

2. After starting the rotation, there is no audio output

Solution: Check if AUDIO OUT is connected to headphones or speakers.

3. After starting the rotation, there is no screen display

Solution: Check if the HDIM cable is connected correctly. If it cannot be resolved, please contact the supplier.

4. The client cannot control the holographic photon screen

Solution: Check if the fiber optic cable is properly connected, if the wiring sequence is correct, and if the Type-C serial port cable is correctly connected. If the problem persists, please contact the supplier.

5. The remote control cannot control the holographic photon screen

Solution: Check if the remote control has been matched with the video box, and if the insulation gasket of the remote control has been removed. If it cannot be resolved, please contact the supplier.

## Indicator light status

Device status	Indicator light color
Normal power supply	PWR red always on
Abnormal power supply	PWR light off
Contoller is on matching	MAT green flashing
Controlle not matched	MAT light off
Controller matching successful	MAT light always green
Not connected to HDMI	ALM yellow light flashes (4 times/s), and the STA light goes out
Optical module is not properly plugged in	ALM yellow light flashes (2 times/s), and the STA light goes out
No optical signal received	The ALM yellow light flashes (once/s), and the STA light goes out
Normal operation	STA green light always on

## Product Specification

Product Model	SmartBox Video Box (HDMI)
Resolution	1920 × 1080@60Hz
Device area	Length: 145mm±0.5mm; Width: 89mm±0.5mm; Thickness: 28mm±0.5mm
Wired control	Support
Online upgrade	Support
Music Play	Support
Multiple splicing	Support
Real time screen projection	Support
Rated power	6W