

bomaker | Polaris 4K
Polaris Where Dreams Meet Reality



Full color laser



4K Laser Projector

USER MANUAL

Please read this
instruction carefully
before using the product
and keep it properly

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Introduction

The company is committed to continuously improving and perfecting product performance and strengthening product functions. Pictures and function descriptions contained in the product manual are subject to the actual product and the factory preset content. The company reserves the product functions and man-machines described in this book. For the right to make improvements to the interface without prior notice, please refer to the final actual product.

Please be sure to take good care of your equipment. The company is not responsible for any losses caused by misoperation of software or hardware or due to any other reasons, as well as losses caused by leakage of personal information to third parties. The company will not be responsible for accidental losses that may occur during the use of this manual, and will not be responsible for third-party claims arising from the use of this product.

The function introduction has been carefully reviewed and proofread by the staff. If there are still omissions, please forgive it.

And correct me. If you want to know more about product introductions and value-added services, please pay attention and log on to the official website of the company www.bomaker.com.

Safety instructions

- Please read the product manual carefully before trying the projector, and keep it safe for emergency use;
 - Please do not look directly at the projector lens during use, the strong beam may damage your eyes;
 - When the projector is working, do not cover the projection lens with any objects;
 - If the projector is not used for a long time, please cut off the power supply;
 - When projecting the product, it is forbidden to block the air inlet or outlet of the product to avoid damage to the projection caused by high temperature of the machine;
 - Do not drop or hit the product at a high altitude to avoid damage to the machine;
 - If there is any problem with the product, please do not disassemble or assemble it privately.
- The inside of the machine contains dangerous high-voltage components. In case of contact with the human body, it may cause electric shock and death. Please contact professional after-sales personnel for assistance.



Warning: This product may produce dangerous light radiation, please do not look directly at the projected beam to avoid eye damage!

Product performance

4K three channel laser TV home theater

Multi-screen interactive projection technology

A group of human eye protection sensors

High quality bluetooth speaker

2.4G/5G dual-band WIFI stable entertainment communication

Low-power, low-noise ring to protect the eyes, large-screen cinema

Diversified input connection ports.

Product Introduction

Dear customer:

Thanks for your support of bomaker 4K laser TV! The bomaker 4k laser TV applies a 3 Channel Laser laser light source for projection, with smart chips and high-fidelity speakers, taking into account both home and portability, and presents you with flawless giant screen audiovisual visual effects anytime, anywhere.

Please read this product manual carefully before using this product.

Item list:

4K Projector *1

Remote control*1

Power cord*1

HDMI cable*1

3 in 1 AV cable*1

Front show



Top show



Eye protection sensor

power button

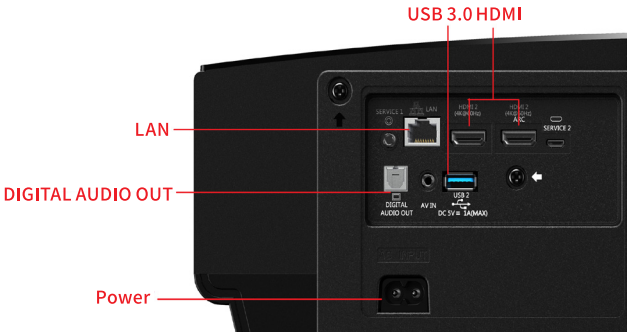
Side show



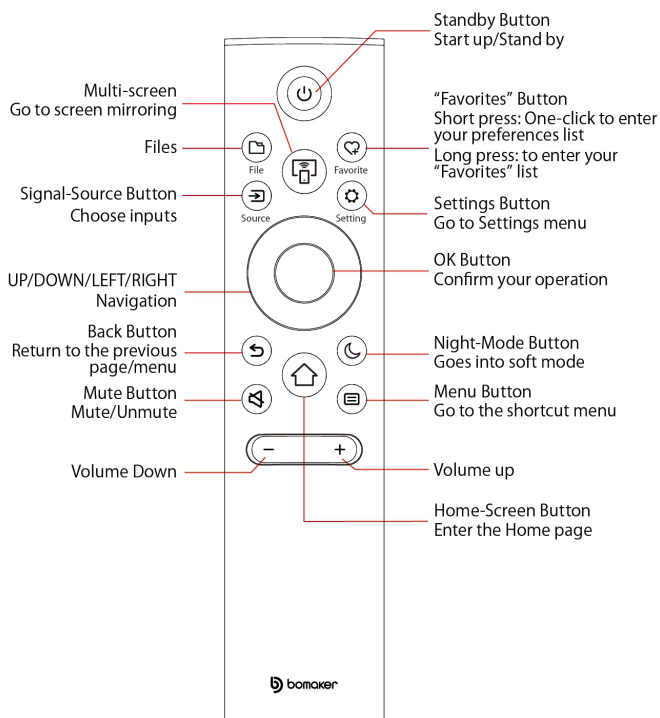
Back show



Enlarged view of the interface on the back of the product



Remote control diagram



4 Set interface:

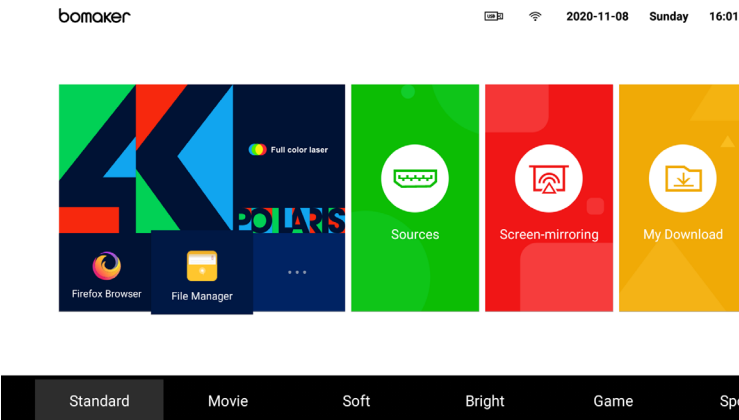
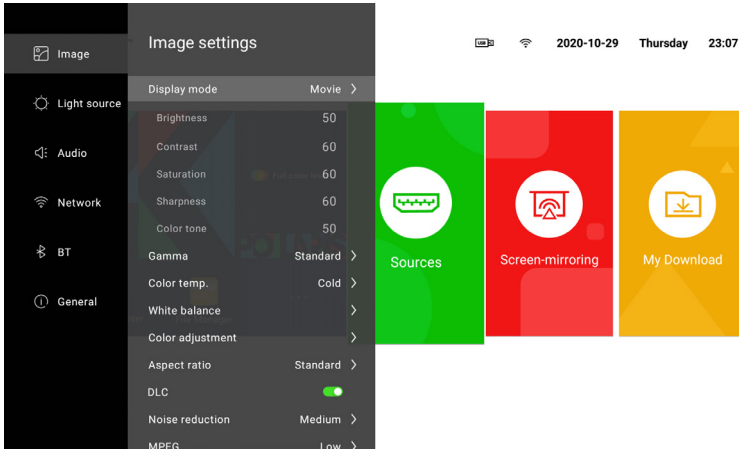
You can enter the setting interface through the Setting button of the remote control. The main settings include:

4.1 Image settings

4.1.1 Display mode: Different image modes have different image effects. There are multiple modes such as standard mode, movie mode, music mode, and sports mode.

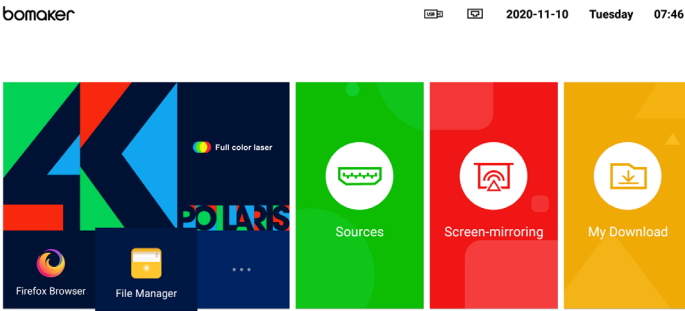
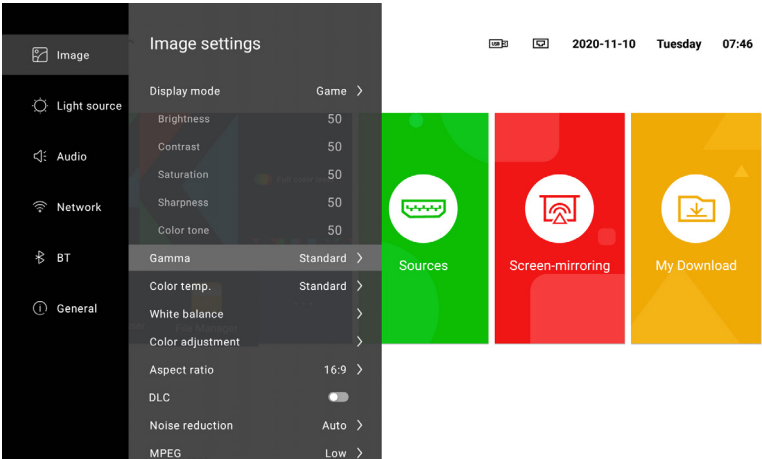
Path on remote control :

Setting -->Image -->Display mode --> (Standard、Movie、Soft、Bright、Game、Sports、User)



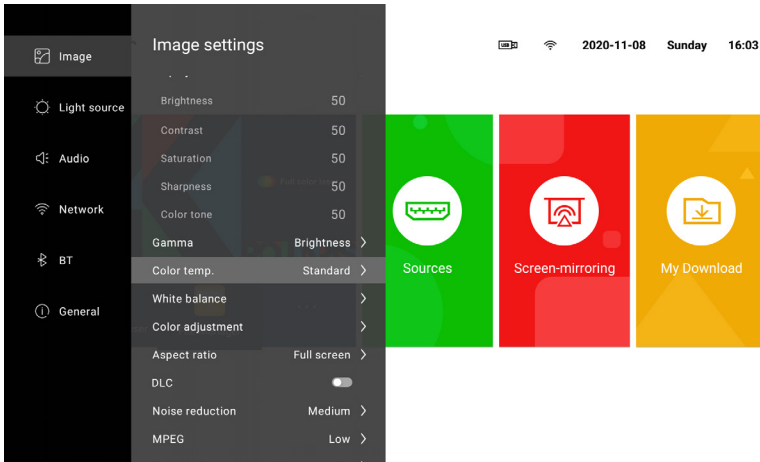
4.1.2 Gamma: Adjust the brightness of dynamic video.

Path on remote control : Setting--> Image--> Gamma



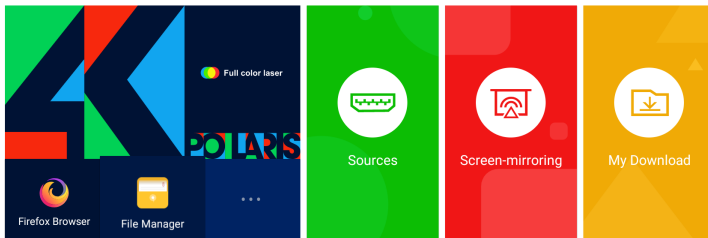
4.1.3 Color temp: The color temperature has standard colors, warm colors and cool colors. The color temperature can adjust the color tone of the image, warm tones are biased toward yellow, and cold tones are biased toward blue.

Path on Remote Control: Setting --> Image --> Color temp --> (standard, hot, cool)



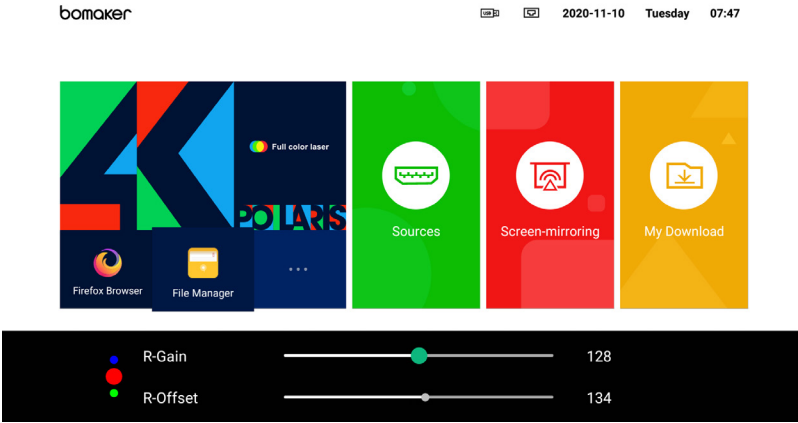
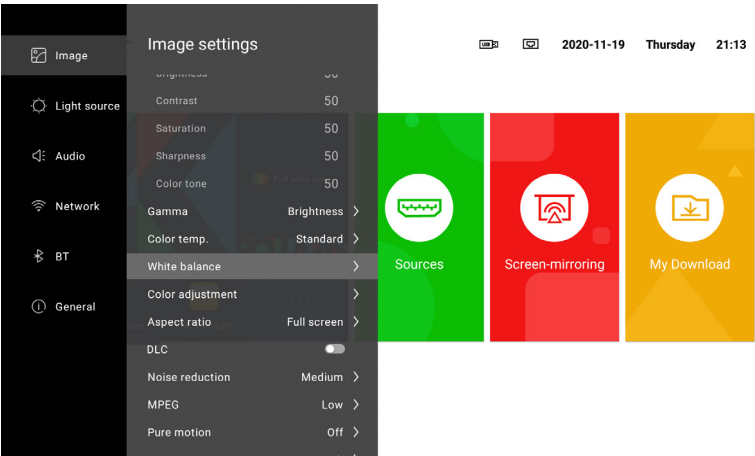
bomaker

2020-11-08 Sunday 16:04



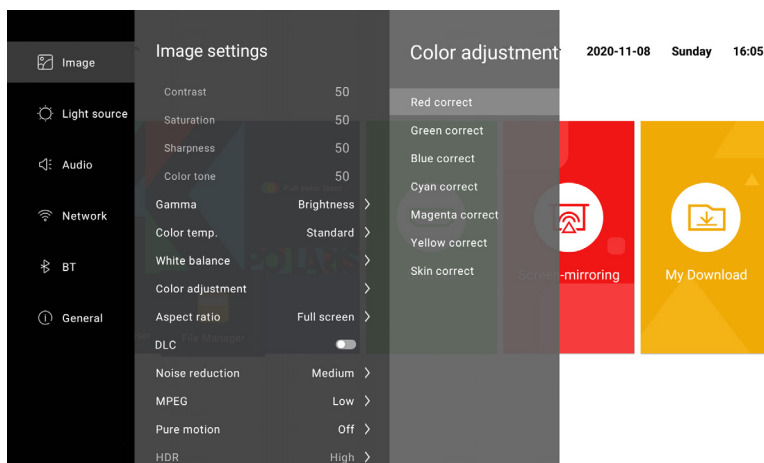
4.1.4 White balance: It can adjust the brightness of the laser TV three-color light source (that is, RGB three-color laser light source).

Path on Remote Control: Setting -->Image -->White balance



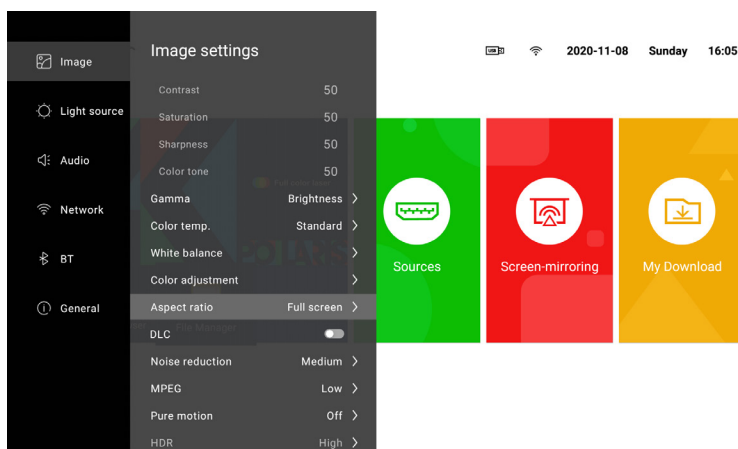
4.1.5 Color adjustment: The saturation of the image color can be changed through color adjustment, and it has two color changes: RGB and CMYK.

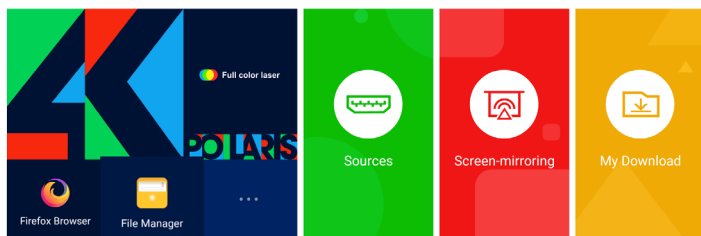
Path on Remote Control: Setting --> Image --> Color adjustment --> (Red, Green, Blue, Cyan, Magenta, Yellow, Skin correct)



4.1.6 Aspect ratio: Adjust the ratio to change the display ratio of the image, with six ratios: standard, full screen, 16:9, 4:3, Zoom1, and Zoom2.

Path on Remote Control: Setting --> Image --> Aspect ratio --> (standard, Full screen, 16:9, 4:3, Zoom1, Zoom2)

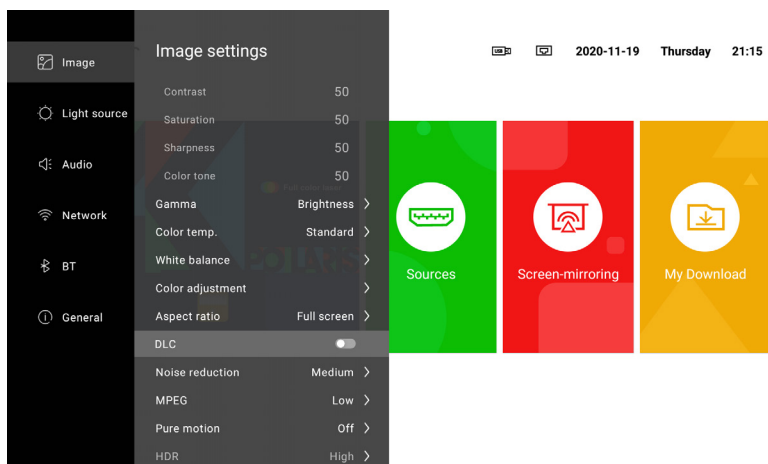




4.1.7 DLC: Can increase dynamic video contrast.

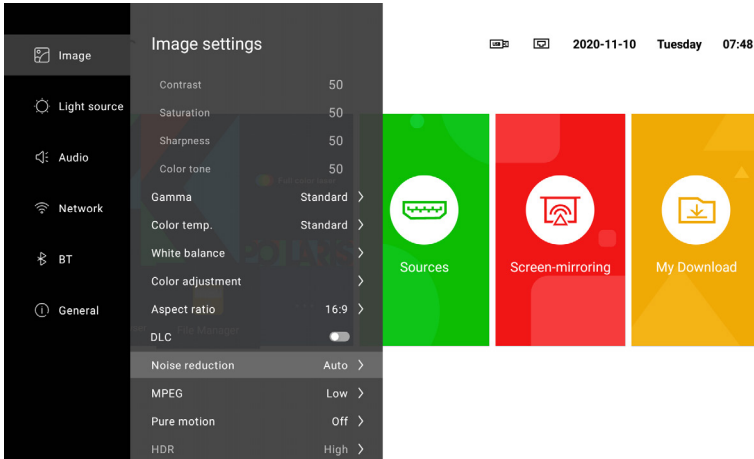
Path: Remote Control Setting -->Image-->DLC

Note: The green status indicates that the function is turned on.



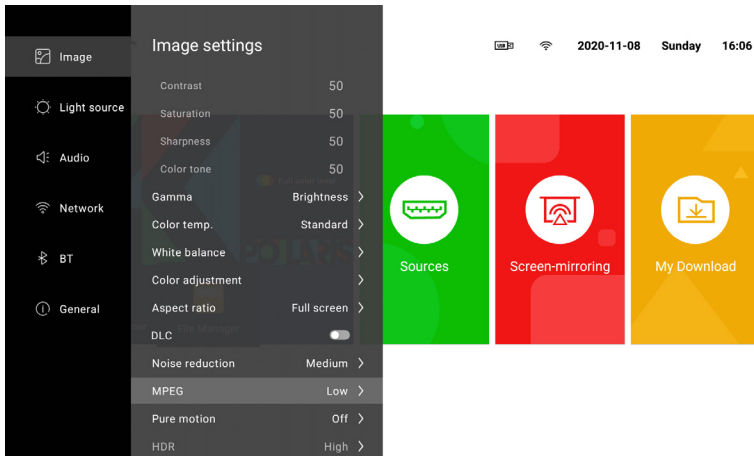
4.1.8 Noise reduction: Reduce the vibration frequency and amplitude of the hardware when switching video clarity.

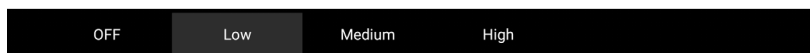
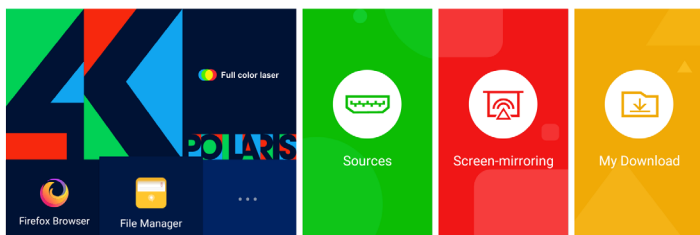
Path on Remote Control: Setting -->Image -->Noise reduction



4.1.9 MPEG: Noise reduction can be performed on files in MPEG format.

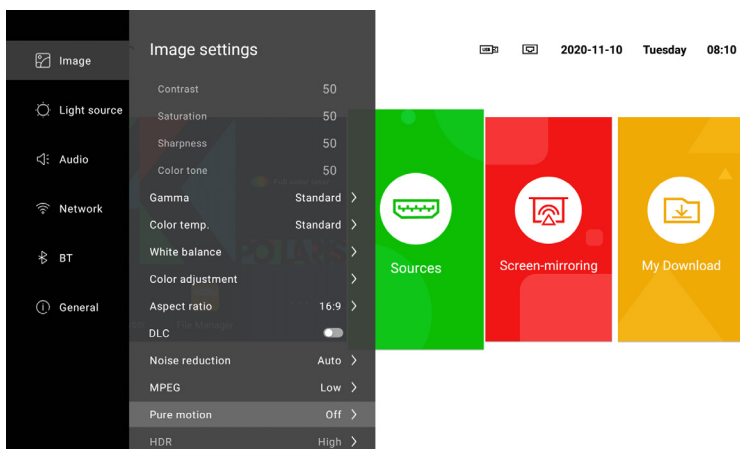
Path: Remote Control Setting -->Image -->MPEG

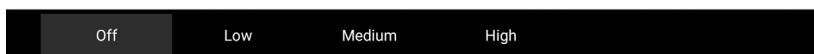
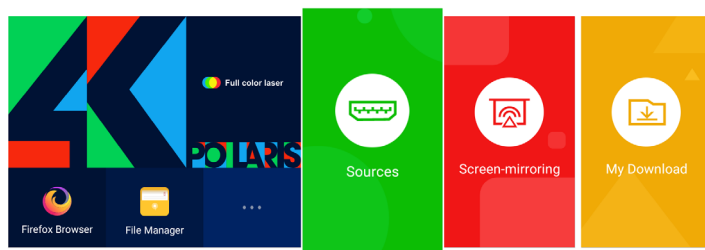




4.1.10 Pure motion: It also known as MEMC, motion compensation, can enhance the dynamic effect of the video, make the dynamic video smoother and the image more clear and natural.

Path on Remote Control: Setting -->Image -->Pure motion

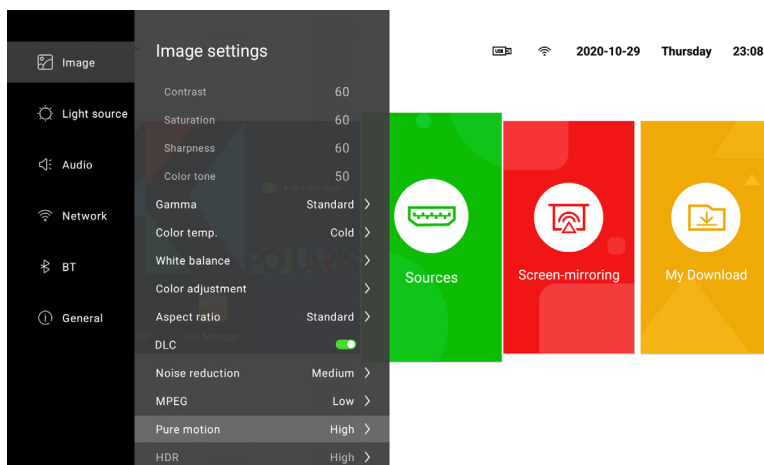




4.1.11 HDR: It can clearly show the contrast of light and dark in the image and video.

Path: Remote Control Setting --> Image --> HDR

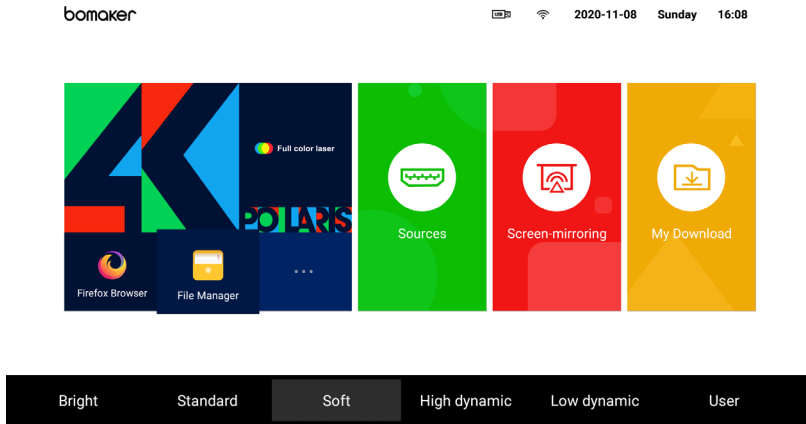
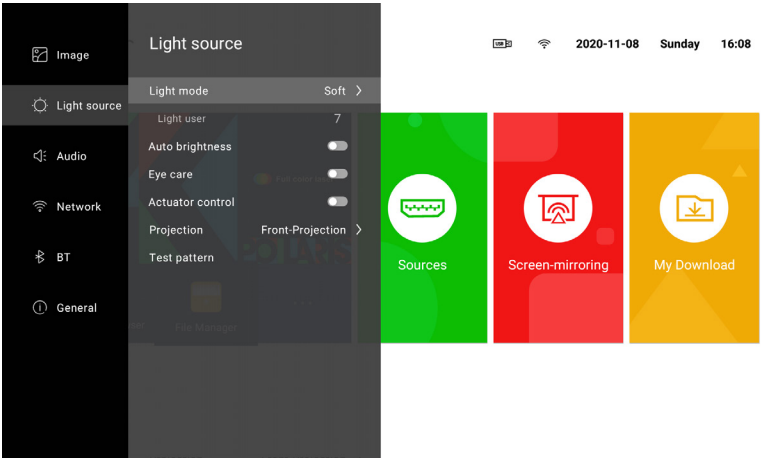
Note: HDR mode can only be changed when playing video, and the playing video needs to support HDR mode.



4.2 Light source settings:

4.2.1 Light mode: Adjust the brightness of the image, with 6 modes: bright mode, standard mode, soft mode, high dynamic, low dynamic and user-defined.

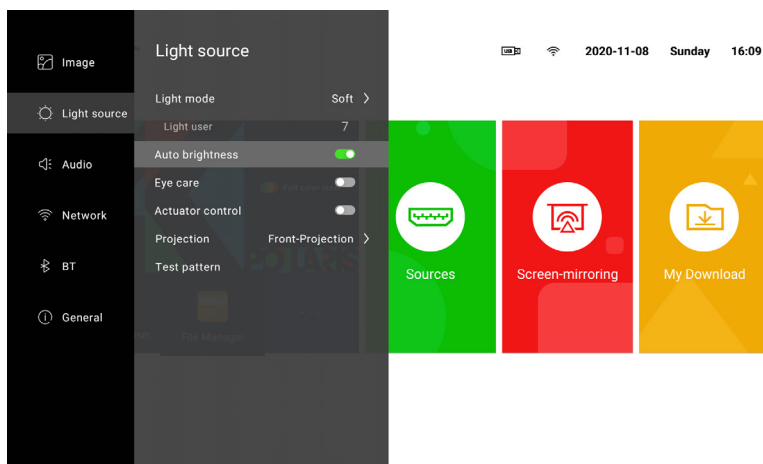
Path: Remote Control Setting --> Light source -->Light mode



4.2.2 Automatic brightness adjustment: After the setting is turned on, the laser TV will automatically adjust the projection brightness according to the environmental conditions.

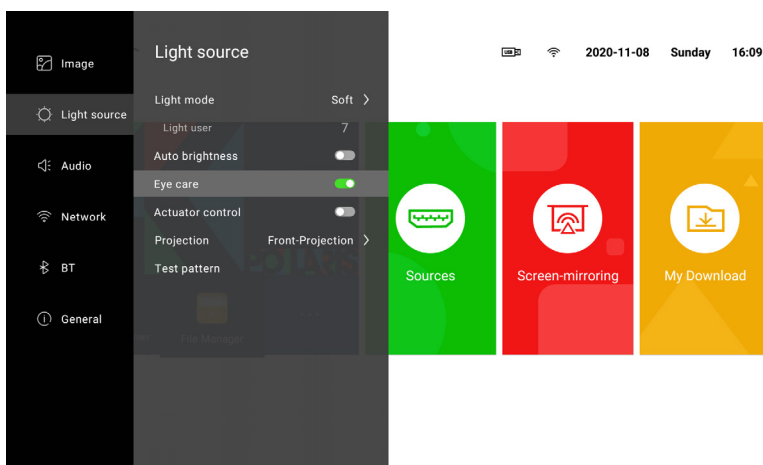
Path: Remote Control Setting --> Light source --> Auto brightness

Note: The green status indicates that the function is turned on.



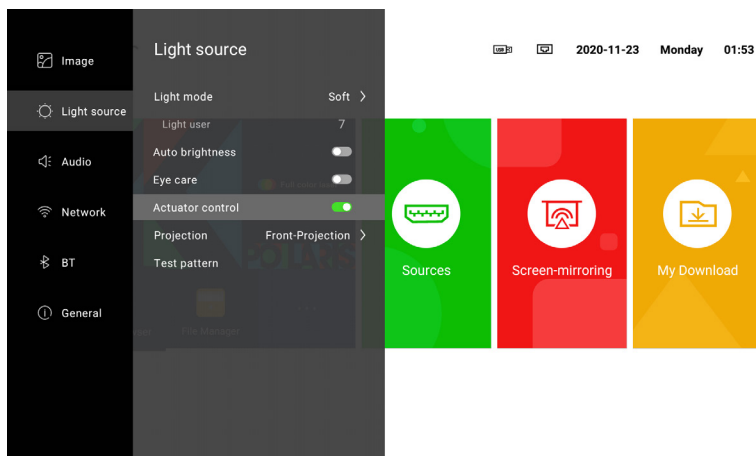
4.2.3 Eye care: The eye care mode can turn off the laser light source briefly when a person approaches the laser TV.

Path: Remote Control Setting --> Light source --> Eye care Note: The green status indicates that the function is turned on..



4.2.4 Actuator control: Turn on this function to improve image quality.

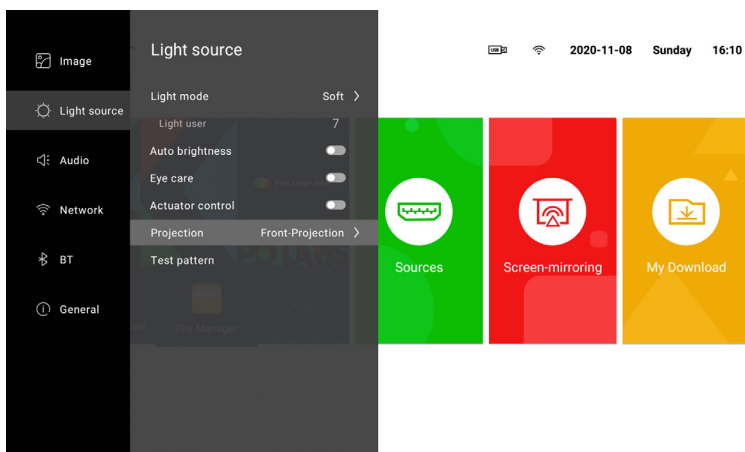
Path: Remote Control Setting --> Light source --> Actuator control

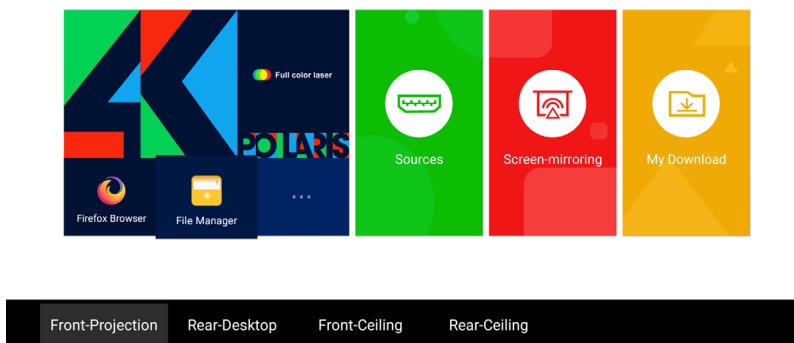


4.2.5 Projection mode: The direction of projection can be changed. There are four projection modes: front projection, rear projection, ceiling mounted front projection, and ceiling mounted rear projection.

Path: Remote Control Setting --> Light source --> Projection

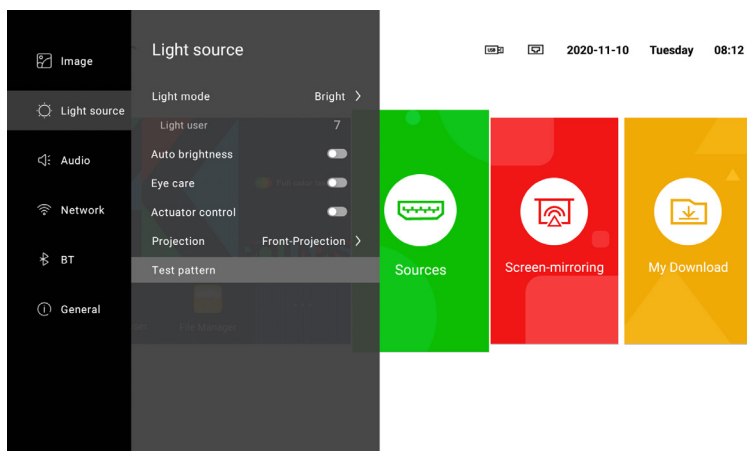
Note: Hoisting is not recommended as the projector is too large and heavy.





4.2.6 Test Pattern: This function can be used to check whether it is placed horizontally.

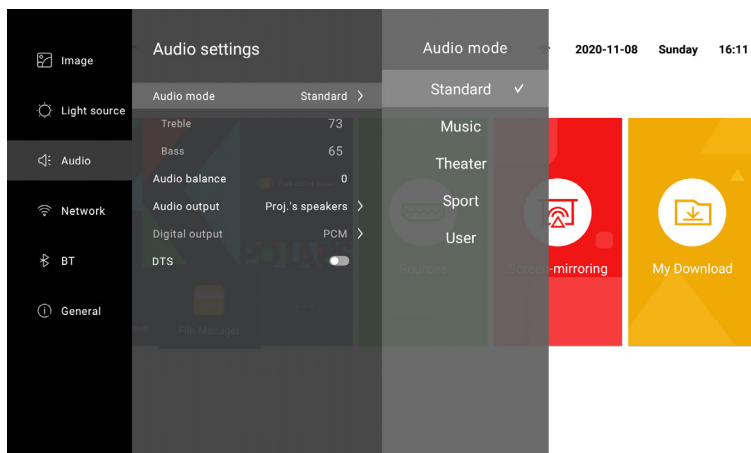
Path: Remote Setting --> Light source --> test pattern



4.3 Sound settings

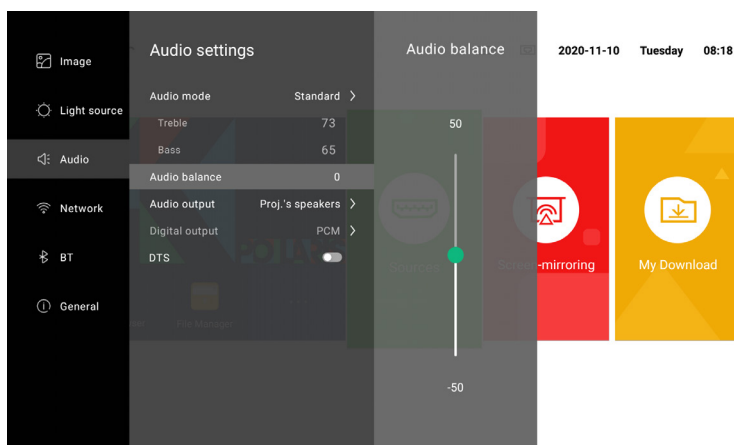
4.3.1 Audio mode: Different sound modes present different sound quality effects, with 5 modes: standard mode, music mode, theater mode, sports mode and user-defined.

Path: Remote Control Setting-->Audio-->Audio mode--> (Standard, Music, Theater, Sport, User)



4.3.2 Audio balance: You can control the balance of the left and right channels.

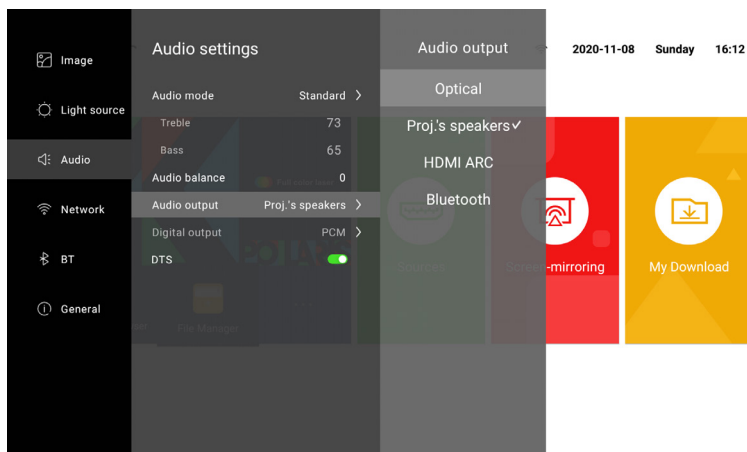
Path: Remote Control Setting-->Audio-->Audio balance



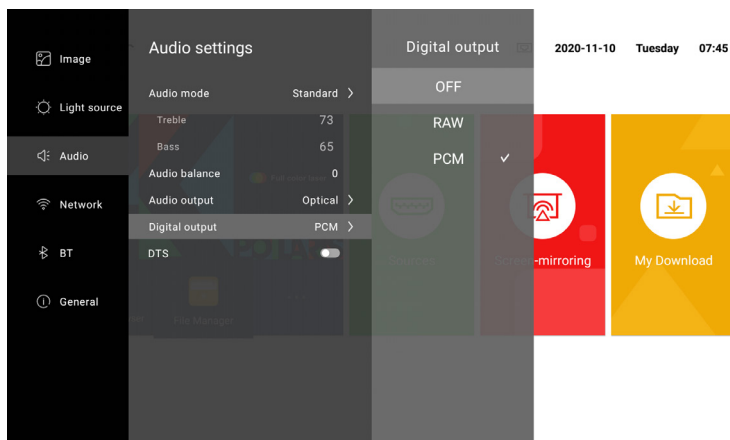
4.3.3 Audio output: In addition to built-in speakers, laser TVs can also be connected to external speakers via HDMI cable or Bluetooth pairing. When connecting different modes, you need to select the corresponding connection mode on the setting interface.

Path: Remote Control Setting-->Audio-->Audio output --> (Optical, Proj.'s speakers, HDMI ARC, Bluetooth)

Note: When the external speaker does not select the corresponding mode, the microphone sound cannot be returned.



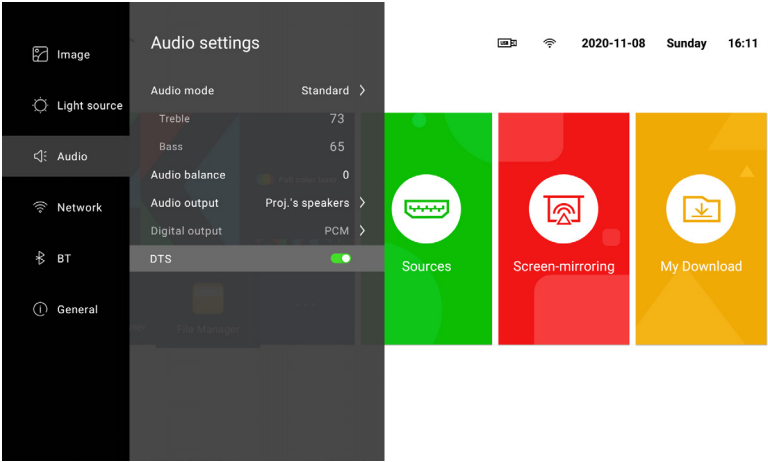
4.3.4 Media output (Digital output): Only selectable when Audio output is Optical or HDMI ARC mode, there are RAW and PCM modes.



4.3.5 DTS: DTS is a high-quality multi-track surround sound technology for movies and music. Turning on means improving the sound quality.

Path: Remote Control Setting-->Audio -->DTS --> (Standard, Music, Theater, Sport, User)

Note: Turning on DTS will increase the power consumption accordingly. The green state means that the function is turned on.



4.4 Network settings (WIFI settings)

WiFi Connection Path: remote control Setting-->Network-->WIFI-->WIFI list-->Select WIFI-->Input password-->And "GO"--> Connected

WIFI Connection Steps:

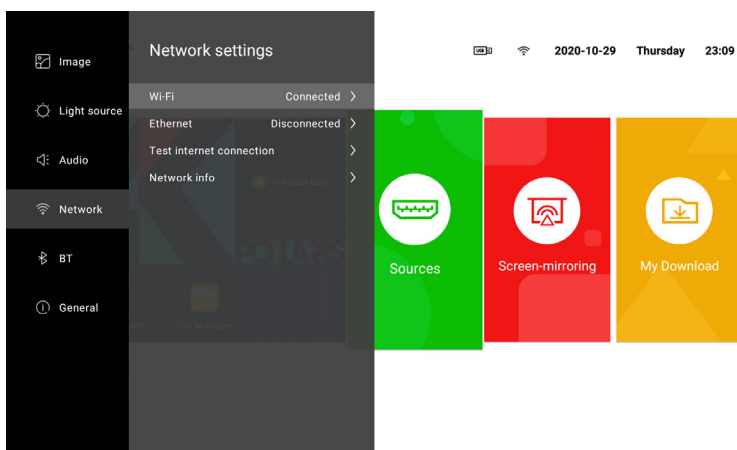
Step1: Open the setting interface through the remote control Setting button, find Network, turn on WIFI, a list of WIFI names appears

Step2: Find the corresponding WIFI, press the OK button on the remote control to enter the connection, a virtual keyboard appears on the interface

Step3: After selecting the keyboard letters through the remote control, press the "OK" key to display the WIFI password

Step4: After entering the password, use the remote control to select "GO" on the keyboard, and press OK to connect.

Note: When entering each password character, you need to press the OK button on the remote control to confirm the input.



Wi-Fi



📶 Honor 9	WPA2	🔒
📶 TP-LINK_Hb1	WPA/WPA2	🔒
📶 Mirroring-911e8c	WPA2	🔒
📶 DUA-AL00	WPA2	🔒
📶 HB6	WPA/WPA2	🔒
📶 TP-LINK_6373666 Hell..	WPA/WPA2	🔒
📶 Hb7	WPA/WPA2	🔒
📶 NETGEAR8888	WPA2	🔒
📶 ChinaNet-XXha	WPA/WPA2	🔒
📶 Mirroring-3645ac	WPA2	🔒

zglsdf

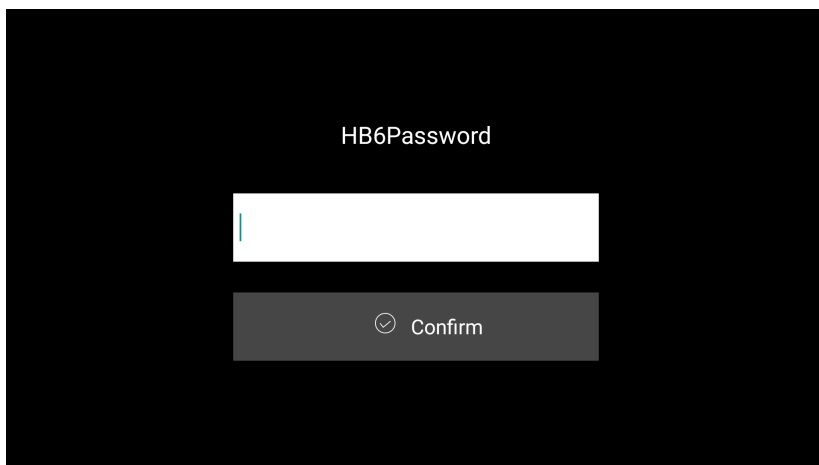
GO

q1w2e3r4t5y6u7i8o9p0

a s d f g h j k l

↩ z x c v b n m 🔍

?123 , . Go



4.5 Bluetooth:

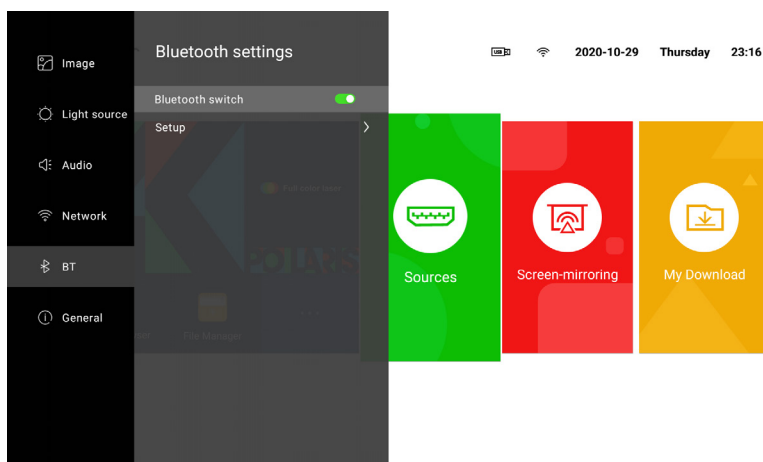
4.5.1 Bluetooth connection to speaker/mobile phone:

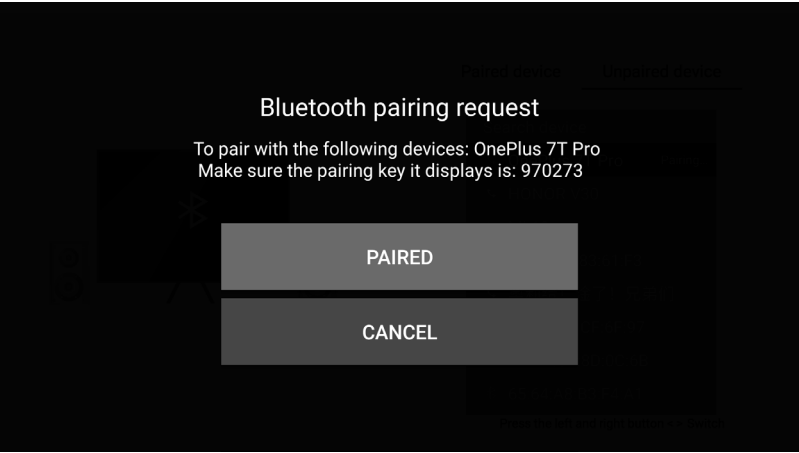
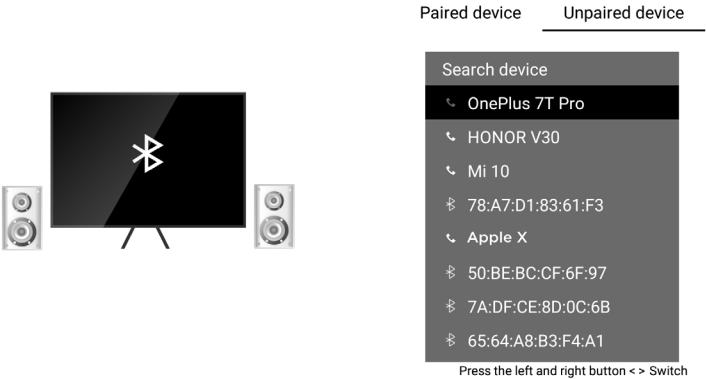
Step1: Open the setting interface through the remote control Setting button.

Step2: Find "BT", open "Bluetooth switch", enter BT Setup.

Step3: Select Search device and press the ok button on the remote to search for Bluetooth, and the required Bluetooth appears, select Bluetooth to start pairing. Bluetooth-enabled devices such as external speakers or mobile phones can be connected via Bluetooth.

Path: Remote Control Setting --> BT --> Open Bluetooth switch --> Set up --> Select connection and pairing



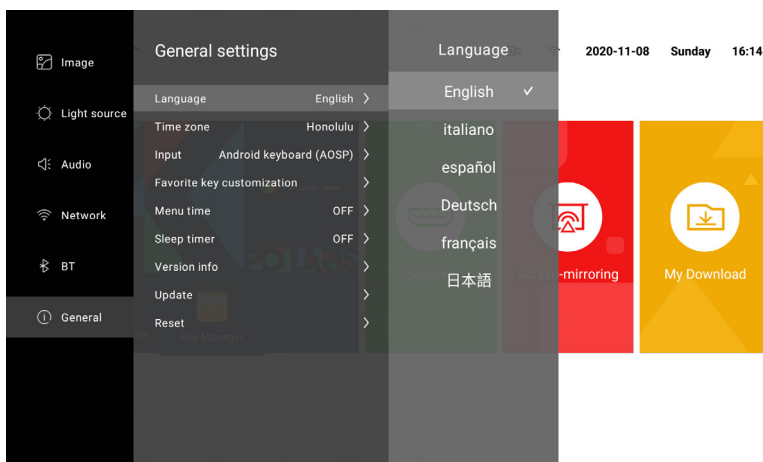


4.5.2 The remote control has two connection methods: IR and Bluetooth pairing control. For Bluetooth control pairing, you need to long press the "Menu button" for 10 seconds. When switch the mode back to IR control, please press the "Menu button" for 10 seconds again.

4.6 System Settings

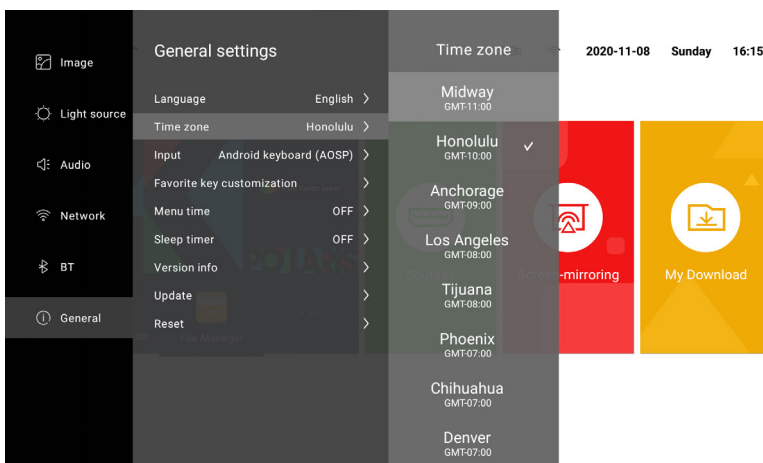
4.6.1 Language Setting: 6 Languages

Path: Click Remote Setting -->General -->Language



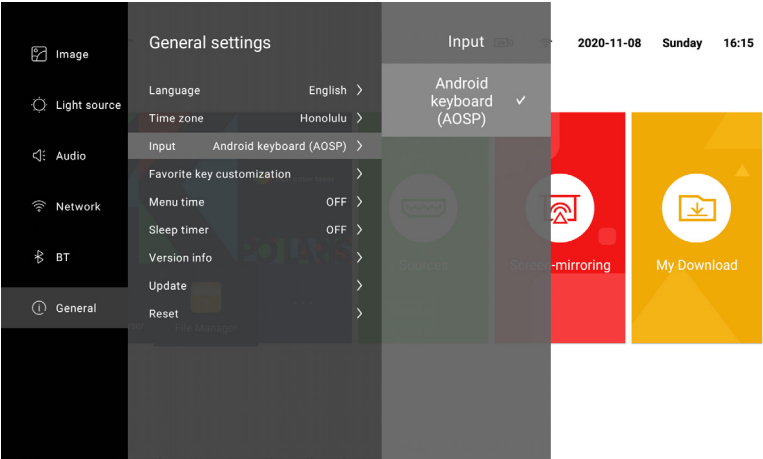
4.6.2 Time Zone: You can select the time in different regions through

Path: Setting -->General -->Time zone



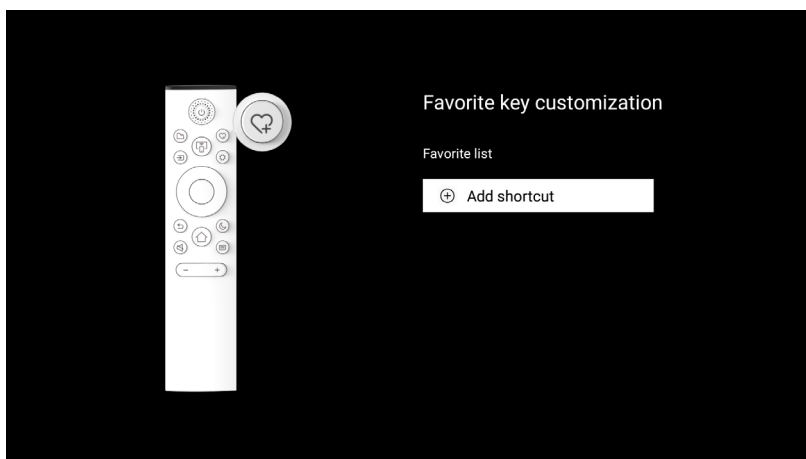
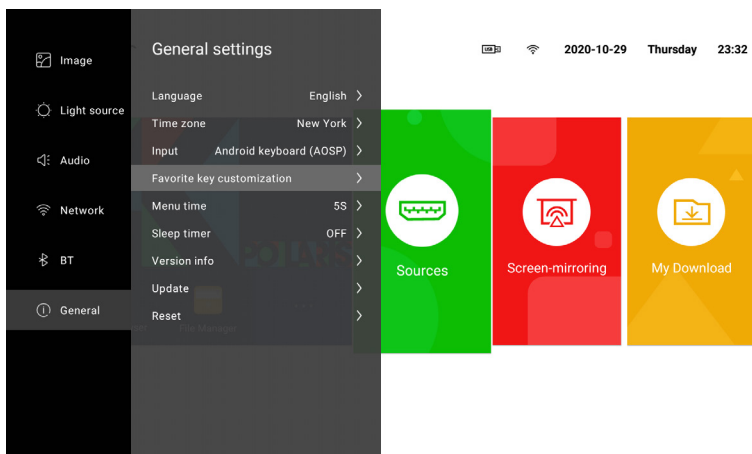
4.6.3 Keyboard Inputs: Android keyboard or Google Pinyin.

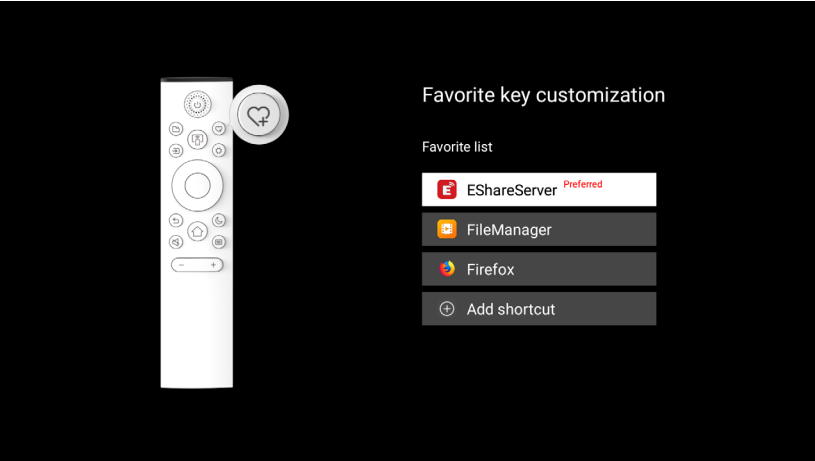
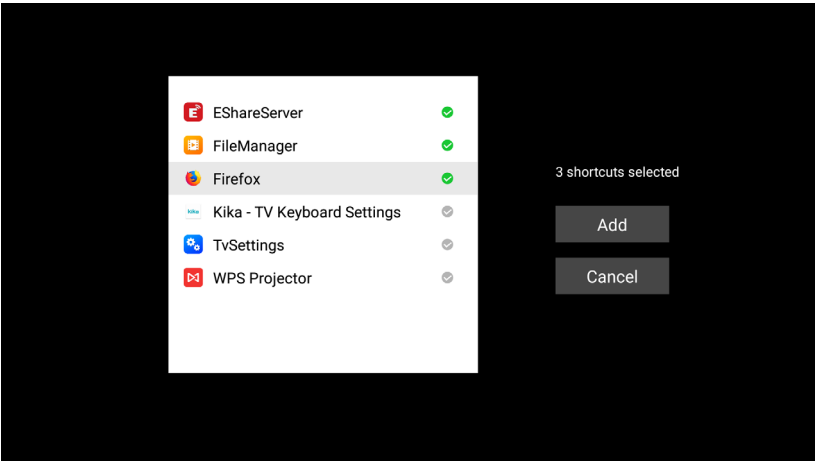
Path: Setting -->General -->Input

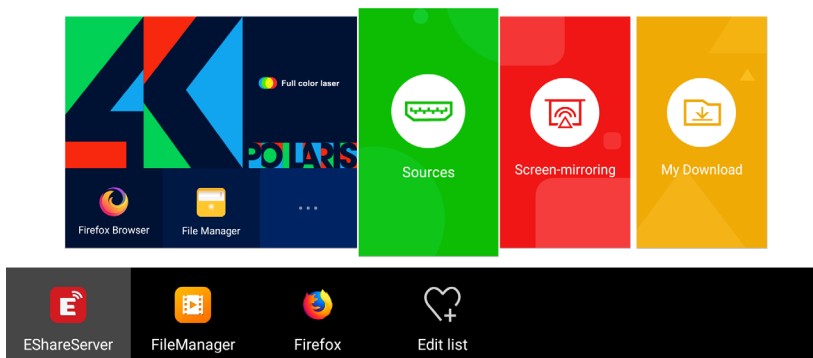


4.6.4 Favorite Key Customization:

1. First time to use this "favorite" function, please click "favorite" button on remote control, select "Add shortcut" to add a favorite list.
2. You can change the order that your favorite services are listed. Enter preferred App by short press "favorite" button, long press "favorite" button to enter favorite App list. Also, the favorite app can be deleted and edited through the remote control OK button
3. To change or add favorite programs, you can enter the interface setting, select General, and find Favorite key customization to reset.

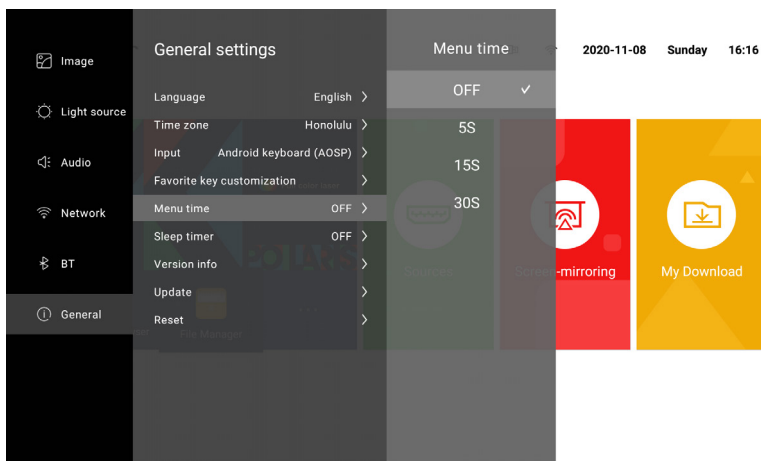






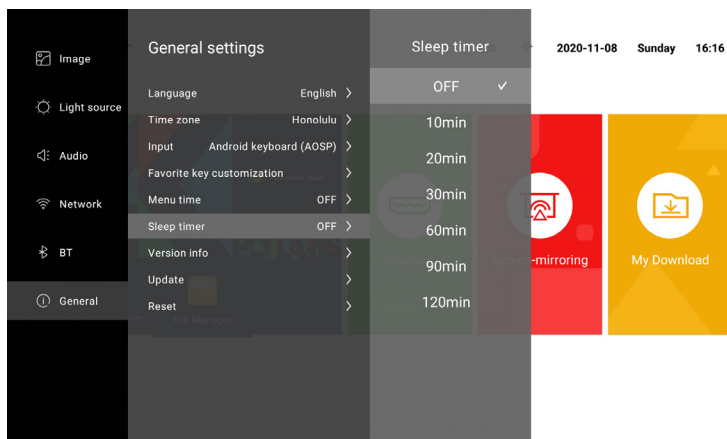
4.6.5 Menu Time Function: Set the exit time of the menu interface

Path: Setting ->General ->Menu time .



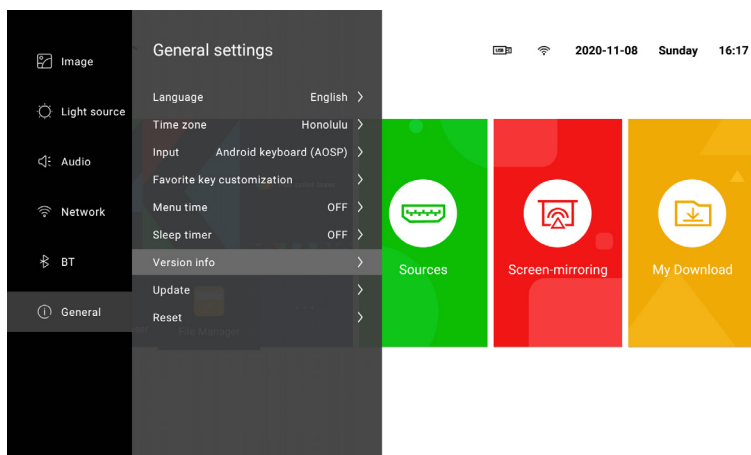
4.6.6 Sleep Time Function: Enter sleep mode after XX minutes.

Path: Setting -->General -->Sleep timer



4.6.7 Version info: This function can view information about the local version.

Path: Remote Control Setting -->General -->Version info

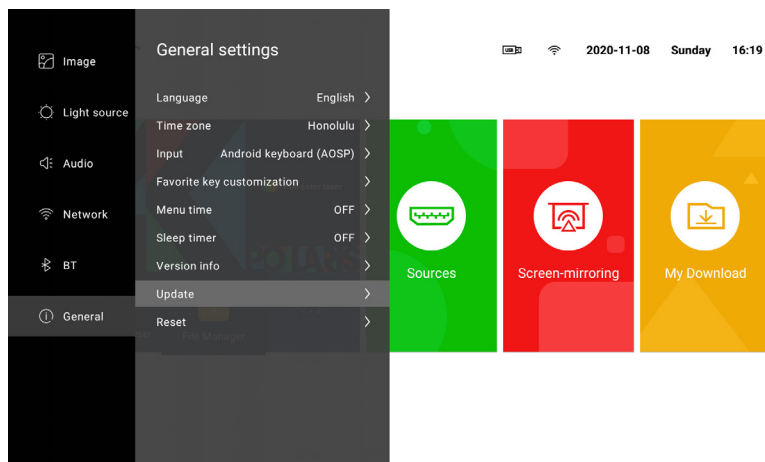


< Version information

Android version:	Android 6.0
System version:	V1.00.1A.20201026
Product number:	Polaris-4k
Available storage space :	24.72 GB / 25.47 GB
Wired MAC version:	28:25:53:69:7B:84
Wireless MAC version:	B4:C9:B9:C5:C1:0A

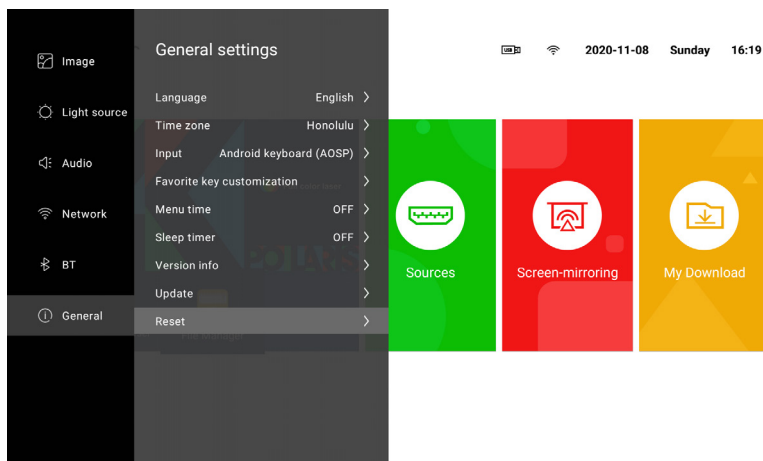
4.6.8 Update Function: You can download the upgrade software via USB to update newest system.

Path: Remote Control Setting -->General -->Update



4.6.9 Factory Reset: Use this button to restore factory settings

Path: Remote Control Setting -->General -->Reset



Reset

Restore the native software to the factory default value,
clear all configuration information of the machine, including installed applications, etc.
It may take several minutes to initialize the system after the factory is restored. Please wait patiently.

Cancel

Yes

5 HOME main interface

5.1 Source Settings:

You should correct the HDMI output source after connection with different streaming device.

Path: Click the source button on the remote or home page-> choose the HDMI source.

5.1.1 Add Additional Speaker:

Step1: Connect the speaker to the HDMI (ARC) interface of the laser TV via HDMI cable

Step2: Turn on the speaker, select the ARC mode, and then, plug in the USB or other devices as the audio source input to play music.

5.1.2 Add TV BOX:

Step1: Connect TV box to the laser projector via HDMI cable, and then, turn on the tv box.

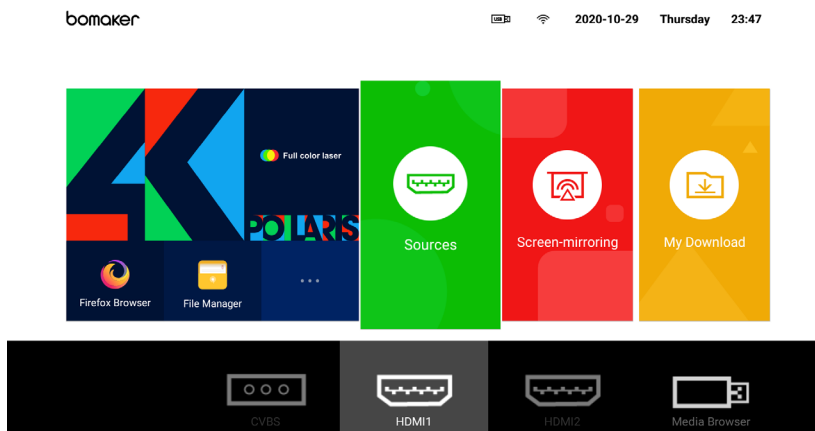
Step2: Enter the source setting interface through the remote source button, select the name of the corresponding interface, and enter.

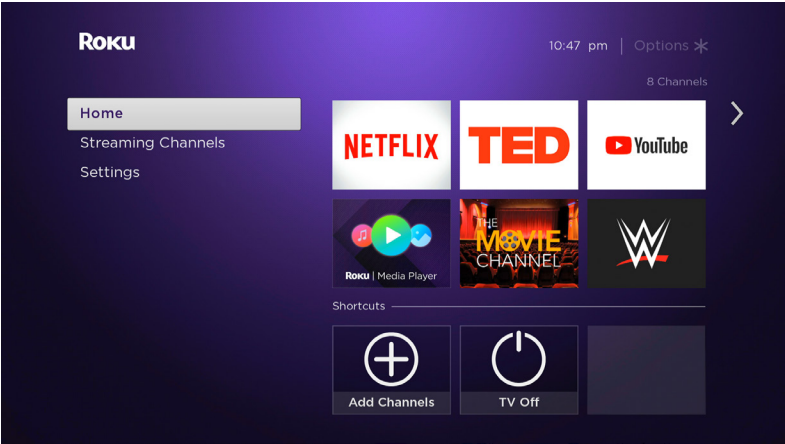
Note:4K Streaming via HDMI cable:

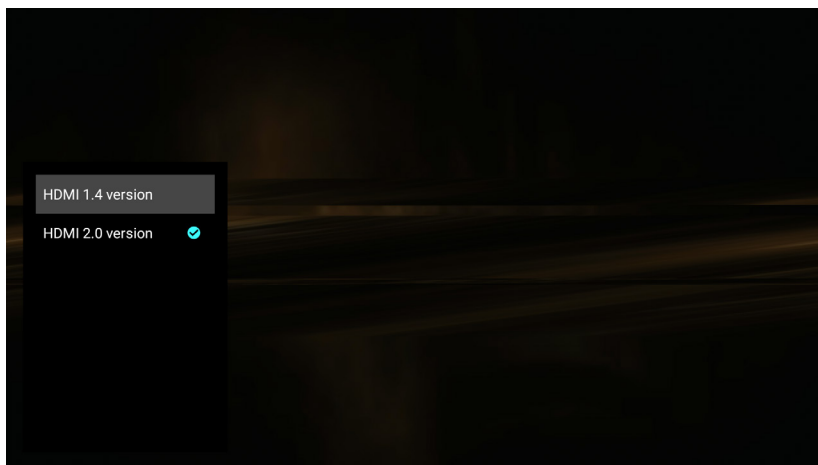
1、 A 4K signal need to look for an HDMI cable that offers a “high speed HDMI” connection.

So,we suggest you play 4K videos via HDMI.

2、 Clicking the menu button of the remote, the HDMI version page will pop up, then choose the HDMI 2.0 Version.







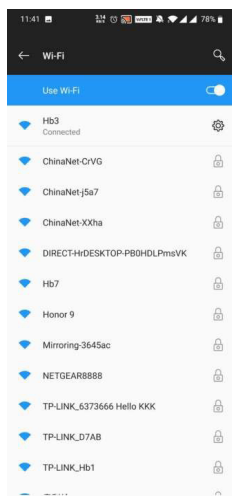
5.2 Screen Mirroring For Android

Step 1: Turn on the phone settings and connect to the same WIFI with the laser projector (For example: Connect the phone and laser projector to Hb3 WIFI at the same time)

Step 2: Press one-key screen mirroring button of the remote control or from HOME main interface to enter the Screen Mirroring interface.

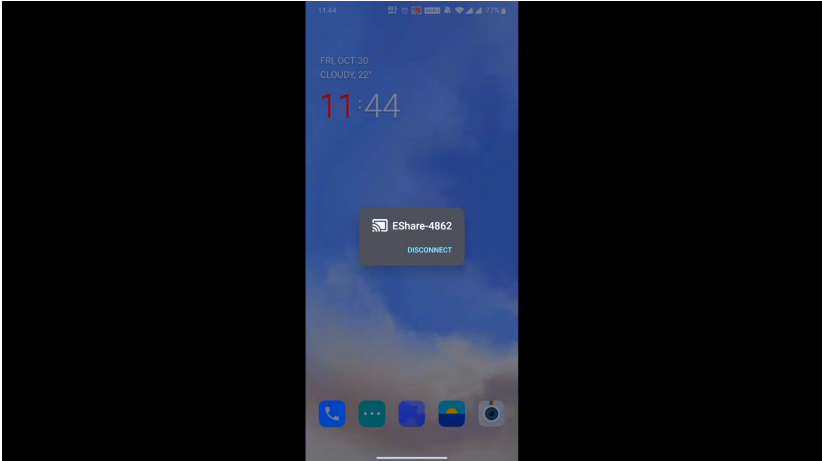
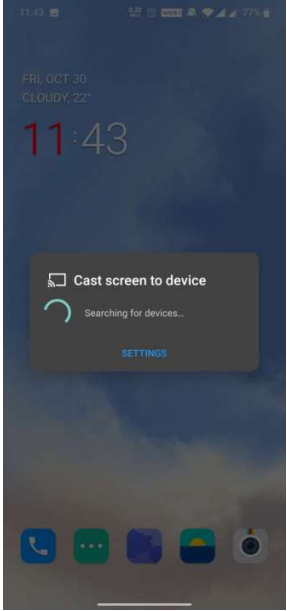
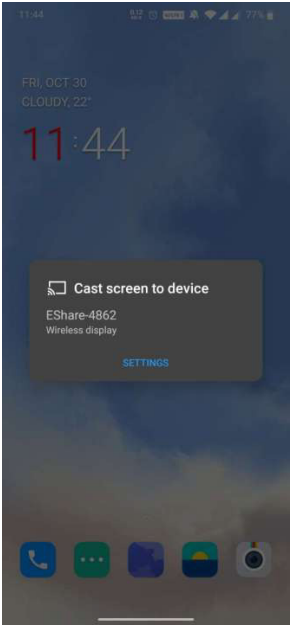
Step 3: Turn on the phone projection function, select the WIFI name of laser projector to achieve screen mirroring.

Note: The WIFI name “EShare-XXX” of laser projector will change once you reconnect.



1. Connect your device to "Hb3"
2. Visit "http://172.16.3.121:8000" with web browser or scan the QR-code to download app.
3. Launch EShare and click "EShare-4862" to connect.

Version 6.10.27.08.25.51.09.76.84 Activated



For iphone or ipad

Step 1: Connect the laser projector and iphone or ipad to the same WIFI (For example: Connect the phone and laser projector to Hb3 WIFI at the same time)

Step 2: Press one-key screen mirroring button of the remote control or from HOME main interface to enter the Screen Mirroring interface.

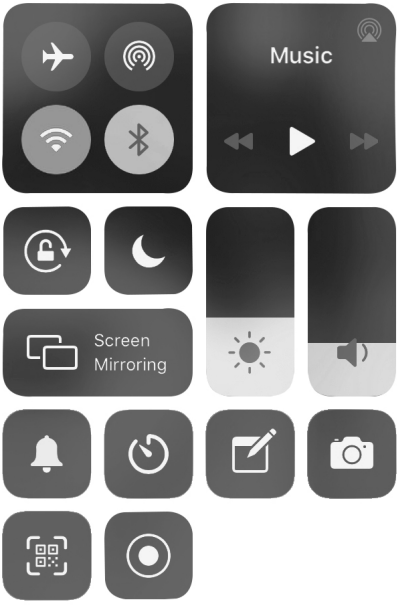
Step 3: Turn on the phone projection function, select the WIFI name of laser projector to achieve screen mirroring.

Note: The WIFI name "EShare-XXX" of laser projector will change once you reconnect.



1. Connect your device to "Hb3"
2. Visit "<http://172.16.3.115:8000>" with web browser or scan the QR-code to download app.
3. Launch EShare and click "EShare-5014" to connect.

Version 6.10.27.08.25.53.69.76.84-Activated



For "EShare" Screen Mirroring

Step 1: Connect the laser projector and iphone or ipad to the same WIFI (For example: Connect the phone and laser projector to Hb3 WIFI at the same time)

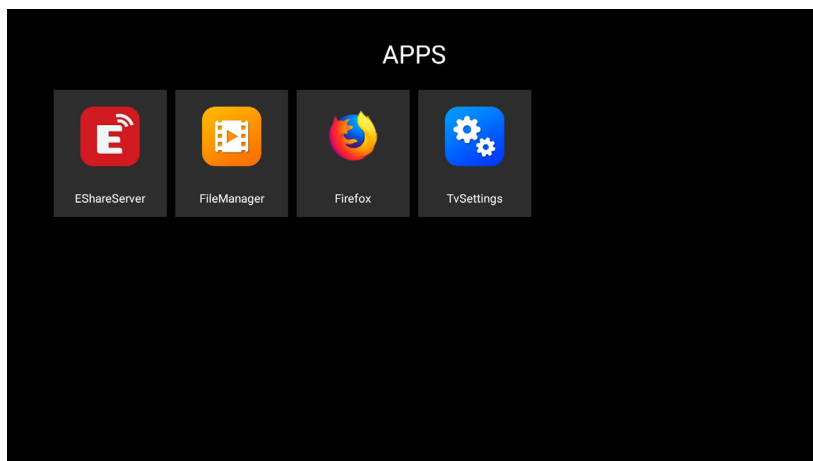
For iphone or ipad

Step 2: Press one-key screen mirroring button of the remote control or from My Download interface to find EShare APP and enter the Screen Mirroring interface.

Step 3: Use Google play or App store to download the EShare app or use the phone WeChat to scan the QR code that appears on the screen to download the app

Step 4: Use the "EShare" APP on the mobile phone to find the WIFI name of laser projector and connect the phone to achieve screen mirroring

Note: Some Android phones may fail to transmit sound when mirroring screen via this app. But can be transmitted through Bluetooth connection or wired connection with external speakers.





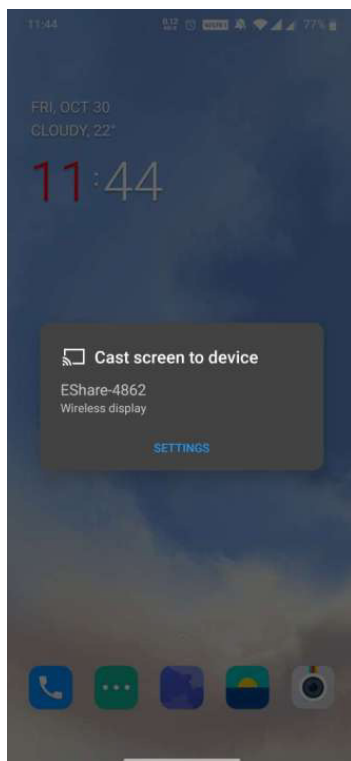
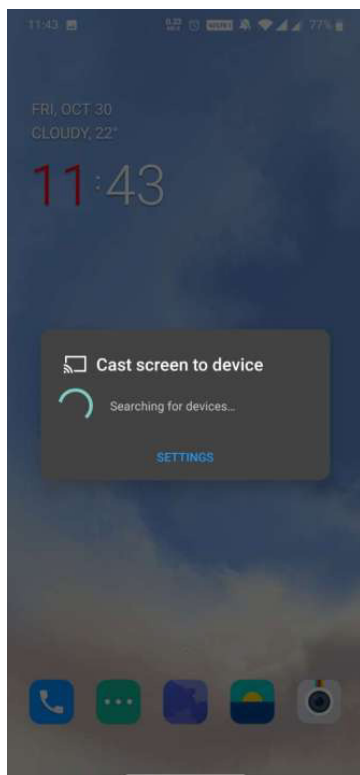
Everything is Under Control

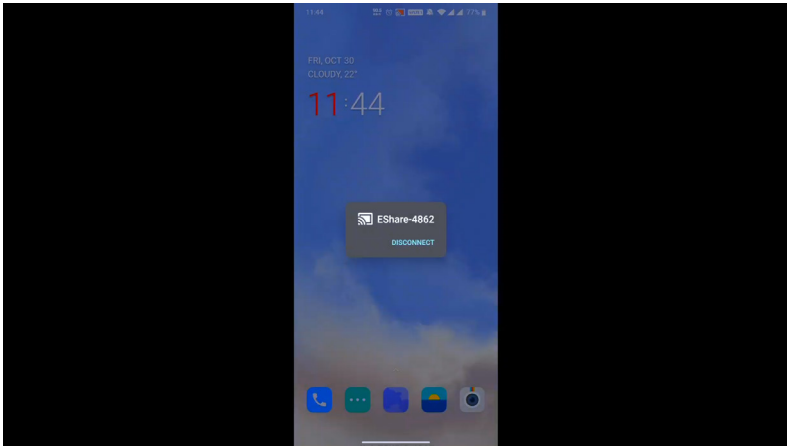
Use your phone as the wireless mouse, keyboard, touchpad, gamepad, remote control, air mouse and wireless camera...



1. Connect your device to "Hb3"
2. Visit "<http://172.16.3.121:8000>" with web browser or scan the QR-code to download app.
3. Launch EShare and click "EShare-4862" to connect.

Version 6.10.27.28.25.53.69.76.84 Activated

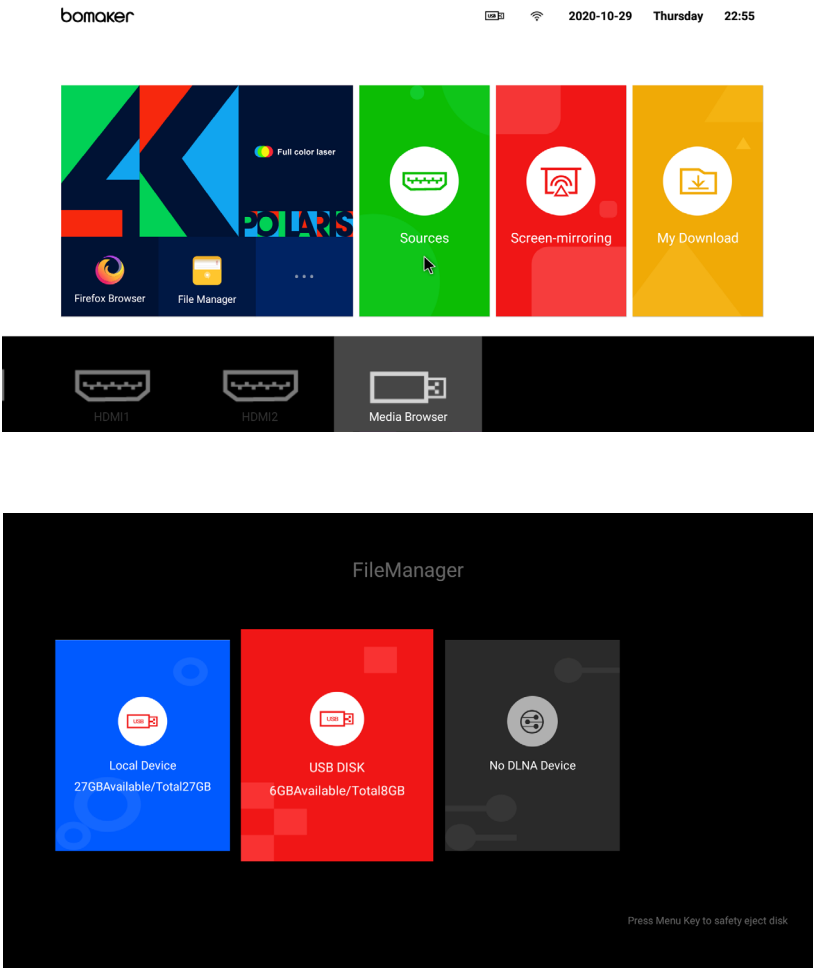


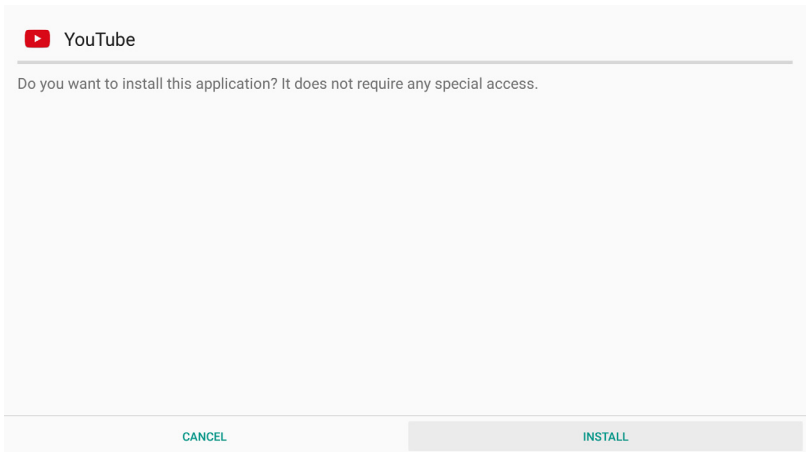
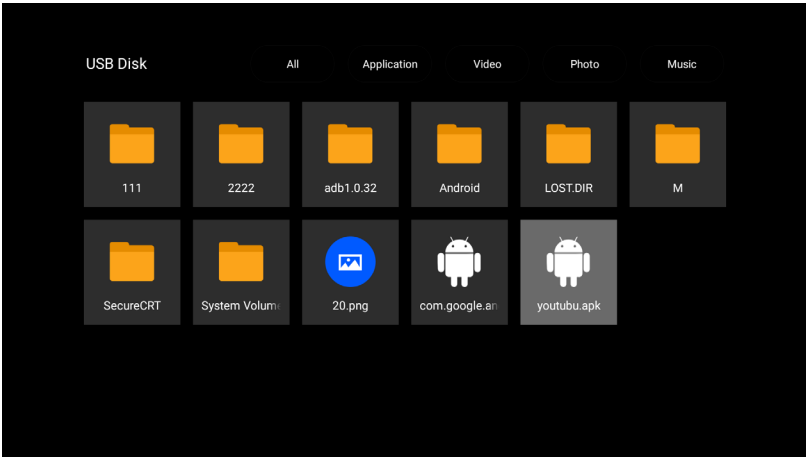


5.3 My Download

5.3.1 Install APP

- Step 1: Download APK of Android TV version from the Internet and copy it to the USB disk
- Step 2: Insert the USB disk to laser projector and choose Input Source Multimedia from Source interface of laser projector, press OK button to display USB disk content.
- Step 3: Find the Apk installation package and press OK button on the remote control to install it. After the installation is complete, you can find the downloaded APP on My Download.
- Note: The local system is Android 6.0.





 YouTube

Installing...

 YouTube

✓ App installed.

DONE

OPEN

5.3.2 Uninstall APP:

Step1: Find the app you want to uninstall in My Download and select it.

Step2: Press the "Menu Button" on the remote control and there will be an option of whether to uninstall this application, select "Yes" to uninstall this application.

