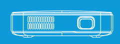


Instructions

- Be sure to read the quick guide and use it correctly
- There is a product warranty on the back of the user manual, please keep it so that it is not lost.

QUICK GUIDE

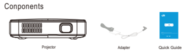
Safety Instructions

Frequently Asked Questions Please read the following precautions before using the projector.

1. Be careful not to tip over or drop the projector when connecting an external device. It may cause injury or product damage.
2. Do not place the product near sunlight, candles, heat sources (stoves, microwaves). (It may deform the product or cause an explosion or fire.)
3. Do not cover the product with a cover or use it in a poorly ventilated area. (It degrades the performance of the projector, overheating may cause fault, etc.)
4. Do not look directly into the light of the projected lens or project it into your eyes. (Projected light may be harmful to your eyes,)
5. Do not install on a wall or ceiling where oil or oil vapor may come in contact. The product may be damaged and fall.
6. Do not replace the lamp or other electrical parts without unplugging the projector.
7. Do not apply shock to the product, don't place it where there is vibration or magnets. Please stay away. (It may cause product failure.)
8. In case of smoke or strange noise or smell, stop using it immediately and contact your distributor.
9. If the product is disassembled or remodeled arbitrarily, even if it is in the warranty, you should afford the repairing costs.
10. Unplug the adapter from the AC outlet, you can't use the projector for a long time.
11. We are not responsible for the damage or defects caused by user negligence. All repairs are professional if you ask a technician.
12. Fan noise is not a defect of the product.
13. Do not allow pets to suck or bite this product. (It may damage the product or cause an explosion.)

● This product may cause electromagnetic interference.

Conponents

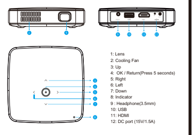


* The adapter is subject to change without notice for quality improvement.

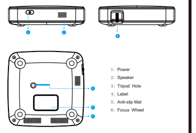
Notice

1) The picture may differ from the actual product. Various accessories are subject to change without notice to improve product quality.New accessories may be added or deleted.
2) Due to the nature of the beam projectorthe top and bottom edges of the screen may be blurred. This is due to the nature of the optical engine, and it is not a product malfunction. The proper throw distance is 100cm~200cm.
   * The longer the projection distance, the more blurred the screen.
3) Install the projector so that it is perpendicular to the projection screen. If the image is distorted or curved, please check if the projector is installed properly by installing it on a level surface.
4) The projector can be installed using a camera tripod. When fixing the tripod, the length of the fastening bolt is recommended to use the international standard of 4.5mm or less. The allowable length of the fastening bolt is 5.5mm maximumAnything longer may damage the projector. Be careful when using a tripod as external force may cause the projector to topple over and cause damage. Do not install the tripod on an unstable place.

Product Functions



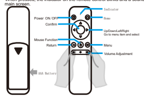
1: Lens
2: Cooling Fan
3: Up
4: OK / Return(Press 5 seconds)
5: Right
6: Left
7: Down
8: Indicator
9 : Headphone(3.5mm)
10: USB
11: HDMI
12: DC port (15V/1.5A)



1: Power
2: Speaker
3: Tripod Hole
4: Label
5: Anti-slip Mat
6: Focus Wheel

Remote Control

The wireless remote control must be connected before using the projector.
After turning on the projector, press and hold the volume-key and volume+key for 3 seconds within 1 meter from the projector.
When pressed, the indicator on the remote control blinks and a sound main screen.



Connecting External Devices

1) USB

- In the case of a USB storage device with a built-in automatic recognition program or using its own driver, it may not work
- Some USB storage devices may not work or operate smoothly
- If a USB extension cable is used, it may not work or may not operate smoothly
- Use only FAT32 formatted USB storage devices provided by Windows.
- For an external USB hard disk, use a device with a rated voltage of 5 V and a rated current of 500 mA or less.
- It is recommended to use a hard disk with power supply(If the power is insufficient, the USB device may not be recognized properly
- USB capacity of 32GB is recognized as standard, but 128GB may also recognized.
- Data on the USB storage device may be damaged, so back up important files somewhere else.
- User should responsible for the data, the manufacturer isn't responsible for the data.
- Multi-port is also available for USB port.
- Some apps do not support mouse wheel.

Supported Video format

Video Codec	Resolution	Bit Rate	Profile	Container
MPEG1/2	1080P@30fps	40Mbps	MP@HL	MPEG program stream (.DAT, .VOB, .MPG, .MPEG) MPEG transport stream (.ts, .trp, .tp)
MPEG4	1080P@30fps	40Mbps		MPEG transport stream(.MPG, .MPEG) MP4 (.mp4, .mov) 3GPP (.3gpp, .3gp) AVI (.avi) MKV (.mkv) ASF (.asf)
DivX 3.11, DivX 4.12, DivX 5.x, DivX 6, XviD	1080P@30fps	40Mbps		DivX (.divx) MP4 (.mp4, .mov) AVI (.avi) MKV (.mkv) ASF (.asf)
Sorenson H.263	1080P@30fps	40Mbps		FLV (.flv) AVI (.avi) SWF(.swf)
H.263	1080P@30fps	40Mbps		MP4 (.mp4, .mov) 3GPP (.3gpp, .3gp) AVI (.avi) MKV (.mkv)
H.264		50Mbps	. Main Profile . High Profile@Level 4.0	FLV (.flv) MP4 (.mp4, .mov) Supported Video format 3GPP (.3gpp, .3gp) MPEG transport stream (.ts, .trp, .tp) ASF (.asf) WMV (.wmv) AVI (.avi) MKV (.mkv)
AVS	1080P@30fps	40Mbps	Jizhun profile @ Level 6.0	MPEG transport stream (.ts, .trp, .tp)
AVS+	1080P@30fps	50Mbps	Broadcasting profile@Level 6.0.1.08.60	MPEG transport stream (.ts, .trp, .tp)
WMV3	1080P@30fps	40Mbps		ASF(.asf) AVI(.avi) MKV(.mkv) WMV(.wmv)
VC1	1080P@30fps	40Mbps	.Advanced Profile@Level 3 .Simple Profile .Main Profile	MPEG program stream (.MPG, .MPEG) MPEG transport stream (.ts, .trp, .tp) ASF (.asf)
Motion JPEG	1080P@30fps	10Mbps		AVI (.avi) 3GPP (.3gpp, .3gp) MP4 (.mp4, .mov) MKV (.mkv) ASF (.asf)
RV30/RV40	1080P@30fps	40Mbps		RM(.rm, .rmvb)
HEVC	1080P@30fps	30Mbps	Main profile,High tier@level 4.0	MP4 (.mp4, .mov) MKV (.mkv) MPEG transport stream (.ts, .trp, .tp)

2) HDMI

It can be connected to devices such as laptops, smartphones, tablets, and PSPs using HDMI cables

* Please check if the HDMI cable version supports 1.4

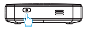
● To connect a laptop or PC with a cable
- Connect the mini beam with an HDMI cable.
- Right-click on the PC desktop and click (Screen Resolution/Display Settings) and select the recommended resolution.(The setting method may differ depending on the Windows version.)

- When the desired image does not come out of the projector
- Check whether the video is displayed normally from the PC/laptop.
- Set the display settings in the PC control panel correctly.
- If there is no image after connecting a laptop/PC, the resolution of the computer being used is not compatible with the projector. It is set beyond the acceptable resolution.

● List of additional compatibility adapters
Some devices may require an additional adapter to connect via HDMI.
(For example, an iPhone or iPad requires a Lighting to HDMI AV adapter)

1	Devices with HDMI port	★ HDMI to HDMI cable (include)
2	Devices with mini HDMI port	★ Mini HDMI to HDMI adapter ★ HDMI to HDMI cable
3	Devices with micro HDMI port	★Micro HDMI to HDMI adapter ★ HDMI to HDMI cable
4	iOS devices with lightning port	★Lightning digital AV adapter ★ HDMI to HDMI cable
5	Devices with USB-C (USB type C) port	★USB-C to HDMI adapter ★ HDMI to HDMI cable
6	Devices with USB-C (USB type C) port	★USB type C to HDMI cable

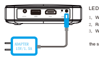
Power Button



Press the power button for 5 seconds to turn the power ON/OFF.
The battery capacity is displayed in the project main menu.

Charging

When using it for the first time, please fully charge it and use the supplied adapter.

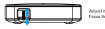


LED indicator:

1. When the red light flashes: Battery Low.
2. Red light is on: charging
3. White light on: Fully charged

the supply and demand of materials.

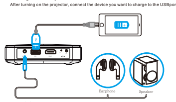
Focus Adjustment



Adjust it up and down with the focus wheel.
Focus the projected image clarity.

Rechargeable battery function

After turning on the projector, connect the device you want to charge to the USBport to



AUDIO OUT

Two speakers are built-in, but external audio output is also possible.

Using Projector

Main Screen

► Mirroring

Android Device Connection

Projector: Select Main Menu-Screen Mirroring- Miracast, check PRO-**** in Smart View of your phone

Android device: Drag the status bar to select Smart view, select PRO-**** when it appears

Note: Make sure your device supports Miracast and Smart View.
* When Smart View is connected, the Bluetooth speaker may not be connected due to the nature of wireless transmission, and the voice sync may not match.
* For a smooth connection, be sure to connect to this product through 'Screen Mirroring' or 'Smart View'.

IOS Device Connection

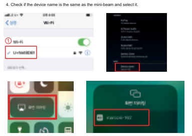
Projector :

1. Select Main Menu - Settings - WiFi and connect to the same WiFi as iPhone.

2. Run Main Menu - Screen Mirroring - AirReceiver.

Iphone:

1. Check if the wifi is connected to the same wifi as the projector in the settings of the iPhone.
2. Check the device name on the mini-beam.
3. Execute iPhone screen mirroring.
4. Check if the device name is the same as the mini-beam and select it.



※ Notes for mirroring

1. When mirroring, the smartphone and projector are mirrored, the Bluetooth speaker is connected to the smartphone
   You must be connected.

● Bluetooth speaker Mirror the smartphone and projector. Connect the phone to the BT speaker	● iPhone-Bluetooth Speaker Connect projector to the BT speaker

2. If you cannot see Netflix video or subtitles when mirroring, it is because of copyright restrictions. Please download and install Netflix from the App Store of projector and try it.
3. Mirroring may cause stuttering or afterimages. Use the router to connect multiple wireless devices at the same time, or Abnormal symptoms may occur due to network interference, and normal operation may be difficult when large-capacity content is operated.
4. When mirroring, only Netflix and Wave sound.
   In the case of a problem that does not play, it is not a problem with the projector, but a copyright problem with the app itself. This is due to restrictions on use. Even if you are using another projector, the same applies when using a wireless connection.If you use one with a wired mirroring cable (HDCP support) or install and use the app on the mini-beam,it's possible.

► WI-FI Settings
1, Main Menu - Settings - Wi-Fi
2, Turn on Wi-Fi, select an available Wi-Fi, enter the password to connect
   If a message appears at the bottom, Wi-Fi is connected.

► Bluetooth Settings
1, Main Menu - Settings - Bluetooth
2, Turn on Bluetooth and select an available Bluetooth device.

Notes :
1. There is only one Bluetooth connection. It can't be used if two are connected.
2. The Bluetooth speaker cannot be connected.
   Check if there are other Bluetooth speakers or devices and try to connect with other devices.
   If other devices are connected, the problem may be with the Bluetooth speaker.
3. I use a Bluetooth speaker, but it sometimes cuts off.
   Because Bluetooth uses the same 2.4g band as Wi-Fi frequency, it sometimes crashes.
   If the Wi-Fi router is an IPTIME product, you can set it to not interfere with the channel.
4. Have you been using the Bluetooth speaker well? Can't connect.
Please check if there are any newly installed applications. This maybe caused by a conflict with the app

► File Manager
You can use the apk file to install third-party apps. But compatibility issues with some third-party apps can happen. Apps that are not pre-installed may not be compatible or may not function properly.
Some apps may require a keyboard or mouse.
Regional characteristics may apply for some apps

► Frequently Asked Questions

1. I want to download apps such as TVing and Watcha Play unlike smartphones, projectorAndroid operating system is anAndroid operating system for TVs, so when you installing the desired app, you can search and use it in theApp Store or Play Store on the main screen of the projector.It's possible
   Usually when video player related apps are not found in theApp Store or Play Store
   Download the app from https://apkpure.com/app, save it from the usb, and install it.
   it will run. (However,there may be apps that cannot be installed due to compatibility
2. Is it possible to adjust the screen brightness? If you go to settings, you can adjust the eco mode.
3. I am trying to watch Netflix on the projector, but the remote control is inconvenient. Can't even scroll.
   The remote control you received as a gift is only provided for the convenience of the product's interface
   Compatibility may not match in the app you are running. Werecommend using a wired or wireless mouse.
4. I put a USB movie and run the video, but there is no sound.
   It's a codec problem. Try encoding it through an encoding program such as Daum Pot Encoder
   you can view it by installing a video player app that supports the codec.
5. The video playback is said to be 180 minutes, but it seems shorter.
   when 480p video is played on USB in Eco mode, it can last 180 minutes . During wireless mirroring, when connecting to Wi-Fi,If the video size ofYouTube is high-definition, the usage time is different.Also, the battery charge message is displayed twice.After that, you can watch the video for another 20 to 30 minutes.
6. YouTube says it's banned.
   Search for YouTube in the App Store, select YouTube for Android TV, update it, and then use it.
   It's possible.
7. I want to log in on YouTube.
   Search for YouTube in the App Store, install Smart YouTube, and log in to view
8. Frequently disconnected when mirroring
   Please reboot your smartphone and connect again to use it.
   If the symptom is same even after rebooting, enter the WI-FI setting of the phone and change the WI-FI
   Please use it after initialization. (Contact the smartphone manufacturer for how to reset Wi-Fi)
   If a problem occurs even after the above measures, contact the After-Sales center to check.
9. When it says that it is connecting with the mobile phone, but it does not connect
   Attempt to reset using a sharp object such as a sharpener in the reset hole on the side of the product.
   If the connection isn't established even after resetting, turn on the product again (boot completely) and connect again.Please try to connect. If connection is not possible, contact the A/S center to check.
10. When there is no wireless connection
    When you cannot connect to the wireless router
    - Check the power of the wireless router is turned on, then turn the power of the wireless router off and on.
    - If a security key is set, check that the security key is entered correctly.
    Unable to connect to the network or connect to the Internet.
    - Check if the Internet LAN cable is connected to the router's external network LAN terminal.
    - If the problem persists, please contact your internet service provider
11. When charging does not work
    If you do not use the original adapter supplied with the mini-beam, charging may not be possible.
    Be sure to use the original adapter.
    If charging does not work even with a normal (15V / 1.5A) adapter, remove the adapter and using a sharp object such as a sharpener in the reset hole, press the reset button and try charging again.
    If charging does not work even after taking the above measures, contact the A/S center to check.
    It must be inspected together with the adapter.
12. When the fan motor makes a lot of noise or does not spin (turns off again)
    When the product is in operation, if there is a object in the inlet or outlet or block the vent, it should be cleaned.
    If a foreign substance enters, it can cause noise, in this case, it should be checked after inquiring about A/S.
    If the fan doesn't operate, the product turns off within 1 minute after power is applied. To prevent overheating of the product is shutting down. If this occurs, you should contact the A/S center and have it checked.
13. When the projector screen comes out strangely
    If the projection screen looks entirely orange, yellow, or blue, there is,also black or bands on the screen.
    Or, if there is a line, you must contact the A/S center to check.
14. When there is no sound or noise occurs
    - Check the external input or the volume of the smartphone.
    - Please check the volume of the product.
    - If there is a normal sound coming out of the external device (laptop) or smart phone, contact the A/S center should be checked afterwards.
    - When playing video or music using a USB , sound may not be output depending on some audio codecs. Especially Dolby or AC3. (Check codec support)
    - If sound is output from the product, but severe tearing or noise-mixed sound occurs, contact the A/S center should be checked afterwards.
15. When disconnection continues while connecting with a smartphone in Smart View
    If this symptom occurs, it is a communication error between the smartphone and the product. Reboot the smartphone and connect again. (Check if the mobile phone is a supported mobile phone) If it is disconnected after connecting even after rebooting the smartphone,Reboot the product by pressing the reset button. If you are unable to solve after taking the above measures, please contact the A/S center.

Storing the projector

When storing the projector for an extended period, please do the following:
• Make sure the temperature and humidity of the storage area are within the recommended ranges.
• Slide the adjuster feet all the way back.
• Remove the battery from the remote control.
• Put the projector in its original packaging or similar box.

SPECIFICATION

CPU	Quad-core 64bit CORTEX-A55	HDMI	Standard HDMI Input
Resolution	854*480 Compatible 4k	Lamp Life	30,000 hours
Memory	DDR3 1GB, 8GB	Power	AC100~240V, 50/60HZ
OS	Android 9	Power Ouput	15V 1.5A
Display	DLP	Battery	5600mAh(Max) Lithium Polymer
Light	R,G,B LED	Speaker	1W
Contrast	2000:1	Headphone	3.5mm stereo headphone
Aspect Ratio	16:9	Temperature	0ºC ~ 35ºC
Brightness	100 ANSI LUMENS	Humidity	0 ~ 85%
WIFI	AirPlay, DNLA, Miracast	Dimension	105x 105 x 26mm
Wireless	Wi-Fi 5G & Bluetooth 4.2	Weight	230g
Input	USB , HDMI		

Product Warranty

Name		Serial No	
Date		Distributor	

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

FCC Statement: 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.

The equipment complies with FCC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.