USER MANUAL

WT50 Smart Mini Projector

AKASO®

CONTENTS

SAFETY INSTRUCTIONS

Read all instructions before you use this projector. Do not make any changes or create settings that are not described in this manual. If physical injury, loss of data or damage is caused by failure to follow instructions, the warranty does not apply.

SETUP

• To reduce the risk of fire and/or electric shock, do not expose the device to rain or moisture. Objects filled with liquids, such as vases,should not be placed on this device.

• Do not place this device on soft surfaces such as tablecloths or carpets, otherwise the device could be fire hazard.

• Do not place this device in areas susceptible to excessive dust and dirt or near any appliance generating a strong magnetic field.

• To prevent overheating do not block or clog the ventilation openings.

• Never place this device in a confined space. Always leave enough space around this device for ventilation.

• Protect this device from overexposure to direct sunlight,heat,large temperature fluctuations and moisture. Avoid extreme temperatures. The suitable operations and storage temperature for this device and its accessories is 0°C to 35°C/0°F to 95°F

• When this device is running for a long period of time, the surface may become hot. Shut it down immediately and unplug the charger. Resume operation after this device has cooled down.

• Always handle this device with care. Avoid touching the lens. And do not look directly into the lens to avoid the strong light hurt your eyes.

Note: When projector is working, please do not look directly into the lens, the strong light will flash your eyes and cause slight pain if your eyes are close to the lens. Children should use the projector under the supervision of adults.

CHARGING

• The output voltage/current of the adapter is DC 5V 3A and the input voltage/frequency is AC100-240V, 50/60Hz.

• When charging, place this device in an environment that has a normal room temperature (ranges from 5°C to 25°C/41°F to 77°F recommended) and good ventilation.

BATTERY

• Do not replace the built-in battery yourself. Contact an authorized service center to replace it.

• The remote control contains 2 x AAA batteries, keep the remote control out of reach children.

• Risk of explosion! Keep batteries away from heat, direct sunlight or fire. Never dispose of batteries by burning.

• When the remote control is not used for a long period of time, remove the battery.

• Replace the remote control battery only with the same or an equivalent type.

• Batteries contain chemical substances and should be disposed of properly.

• Charge this device regularly. Do not store this device with a completely discharged battery.

CLEANING

• Use a soft, lint-free cloth. Never use liquid, gaseous or easily flammable cleansers(sprays, abrasives, polishes,alcohol) to clean.

• Do not use any liquid cleaning agents to clean the lens to avoid damaging the coating film on the lens. Use lens cleaning paper to clean the lens.

REPAIRS

• Do not make any repairs to this device yourself. Only have your device repaired by an authorized service center.

• Improper maintenance can result in injuries or damage to this device.

• Refer all servicing to qualified service personnel.

CAUTION

• Possibly hazardous optical radiation emitted from this device.

• Do not stare at the operating beam. The bright light may damage your eyes.

WHAT'S INCLUDED

WT50 Smart Mini Projector	Remote Control	Power Adapter
HDMI Cable	Mini Tripod	Quick User Manual

OVERVIEW

1. Front View

1 Volume adjustment
2 Touch area
3 Function key
4 Home menu
5 Return button

**2. Rear View**


1 Lens protective cover
2 Tripod socket

3. Left View

1 Focus Adjusting Wheel
(Adjusting the picture definition by rotating the focus adjusting wheel.)

2 Turn ON/OFF

3 Power switch button

4 Micro SD card
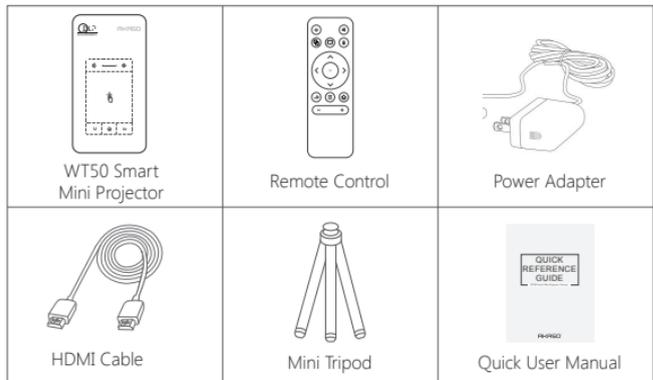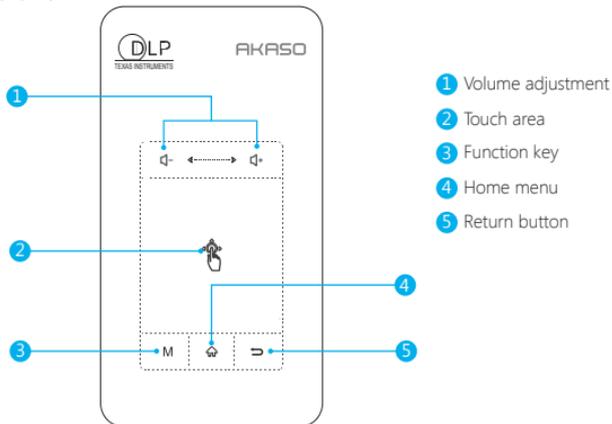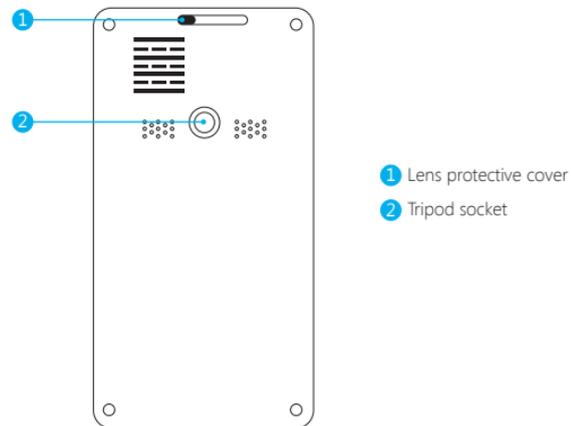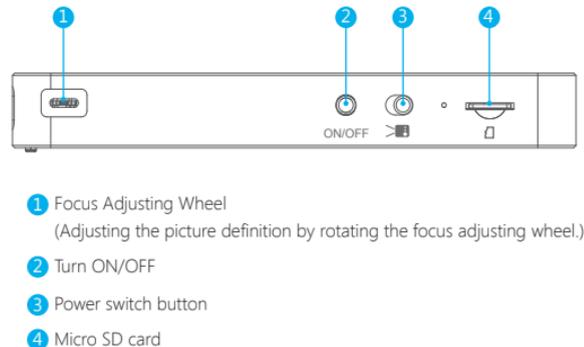
4. Right View
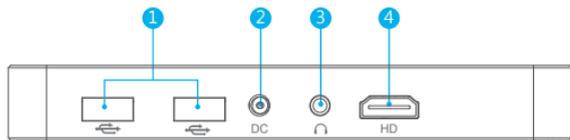
1 USB: Support USB flash drive data read.

2 DC: Connect to power supply.

3 Earphone Aux-In Port: Connect to an external speakers/earphones .

4 HD: Connect to a playback device via HD output

5. Remote control
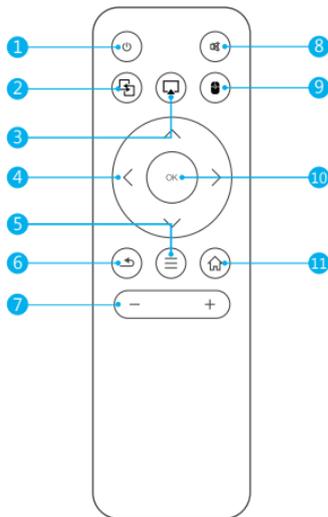
1 ON/OFF
Press to select an option: shutdown.

2 Same Screen
Press to enter same screen mode.

3 Airplay
Press to enter Airplay.

4 Navigation Buttons
Navigate menus or adjust the selected content.

5 Menu
Access more options during play (available depend on the source).

6 Return
Return to the previous menu.

7 Volume + / -

8 Mute
Press to enter mute mode.

9 Mouse Key Mode
Press to enter/exit mouse key mode.

10 OK
Press to confirm a selection or entry. Pause/resume play.

11 Home
Open the home menu.

Note: When using the IR remote control, you should aim at the red light on the projector bottom rather than screen. And the ⏻ on the remote control can only shutdown the projector(cannot turn on the projector) without charging.

GETTING STARTED

1. Placement
Place this device on a surface table or somewhere else, flat place in front of the projection surface. For best results, the projection surface should be white and flat. The best projection distance between this device and the projection surface is 1-1.5 m. Recommend for use in dimmer environments.
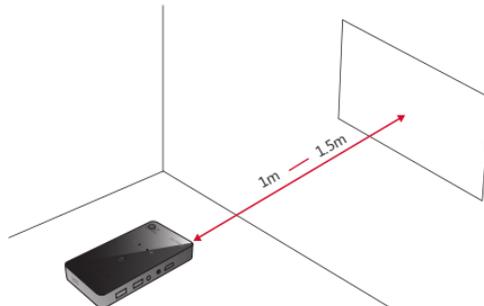
Note:
• It is unnecessary to tilt it towards the projection surface. You can correct the projection image with the built-in keystone correction.
• The distance between the device and the projection surface determines the projection image size.

2. Preparing the Remote Control
① For first time use, install new batteries(2 x AAA batteries, not included).
② To replace the batteries, unlock and open the battery compartment, insert two new
batteries positioning the polarity(+/-) as indicated, and then close and lock the battery
compartment.

3. Get Started
① Fully charge the built-in battery before using for the first time by using the provided
charger.

② Slide ▷◫ to the left, and then press ⏻ on the projector to start the projection. After
several minutes, the home menu will be displayed.

Turn ON/OFF
Power
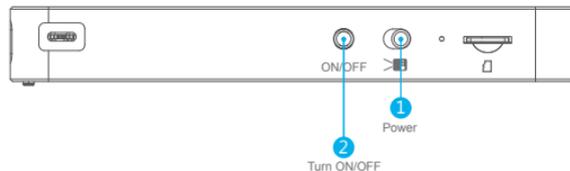
③ Turn the device towards a suitable projection surface or wall.
④ Rotate the focus adjusting wheel to get the best focus.
⑤ For first time use, follow the on-screen instructions to complete the basic settings.
Note: Please use the supplied charger to charge AKASO mini projector.

SETTING
Finish the main settings when you turn on the projector for the first time.
1. Network setting
Press ⌂ to access the home menu, select [Settings] and enter into setting page.
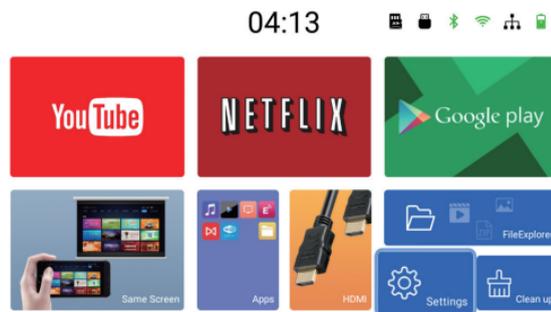
Note: On the home menu, press Bluetooth/Wi-Fi/RJ45 icon to access the corresponding
interface directly. Press Micro SD card/USB flash drive/Battery icon, you cannot access the
corresponding interface.

A. Wi-Fi
This device can be connected to the network via a wireless(Wi-Fi) connection.
① Select [Wi-Fi] and press **OK** on the remote(or click on the touch area of the projector)
to access the Wi-Fi interface. Or you can select 🛜 on the home menu to access the
Network settings interface directly.

🌐 Network settings

Wi-Fi Convenient hot spot   Ethernet   Bluetooth

② Press > on your control remote or move the mouse to OFF/ON button on the
projection screen to turn on the Wi-Fi.
After turning on the Wi-Fi, please select wireless network and type the password to
start to connect.(Follow the on-screen instructions to complete the network connection).

Wi-Fi ON		Refresh
Home_01 (Saved)	Connected 🛜	
Home_02	🛜	
Home_03	🛜	
Home_04	🛜	

③ After connecting to Wi-Fi, you can download the app from **Google play** or browse
**YouTube**, **NETFLIX** directly.

B. Portable Wi-Fi hot spot
① Select [**Convenient hot spot**] and press **OK** on the remote(or click on the touch area of
the projector) to access the hot spot interface.
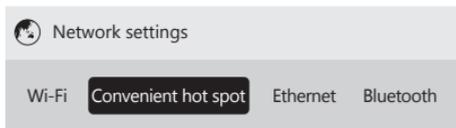
🌐 Network settings			
Wi-Fi	Convenient hot spot	Ethernet	Bluetooth

② Press > on your control remote or move the mouse to OFF/ON button on the
projection screen to turn on the Easy Wi-Fi hot spot. On this interface, you can reset
Network SSID, password, the way of security and AP band(you can select 2.4G or 5G
signals, see the second screenshot below). Click "Save" to save the message.

Easy Wi-Fi hotspot		ON
Network SSID	AKASO	
password	12345678	
☑ Show password		
Choose security		
	WPA2 PSK	
Select AP band		

	AKASO	
password		
	12345678	
☐ Show password		
Choose security		
	WPA2 PSK	
Select AP band		
	2.4 GHz Band	
	2.4 GHz Band	
	5 GHz Band	
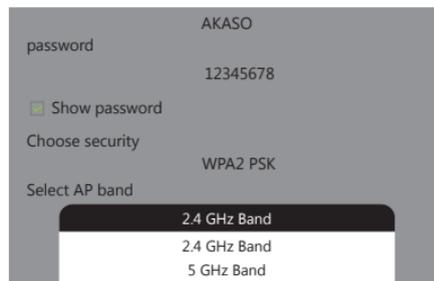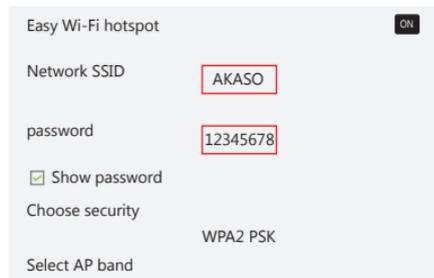
③ Use smart phone to select this hot spot, and enter password to connect.

‹ Settings	**Wi-Fi**	
Wi-Fi		🟢
CHOOSE A NETWORK...		
AKASO		🔒 🛜 ⓘ

C. Ethernet

With Ethernet function, you can connect the network to your projector via RJ45 cable.

Note: There is no RJ45 cable socket on the projector, it needs an external USB to RJ45 Console cable (IC drive RTL8152 or LAN9500 only).

① Select [**Ethernet**] and press **OK** on the remote(or click on the touch area of the projector) to access the Ethernet setting interface.

Network settings			
Wi-Fi	Convenient hot spot	Ethernet	Bluetooth
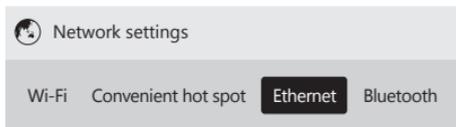
② You will see the details about your network indicating the connection is successful.

Ethernet
IP address 192.168.1.84
netmask 255.255.255.0
gateway 192.168.1.1
dns1 8.8.8.8
dns2 114.114.114.114
Ethernet Ip mode dhcp
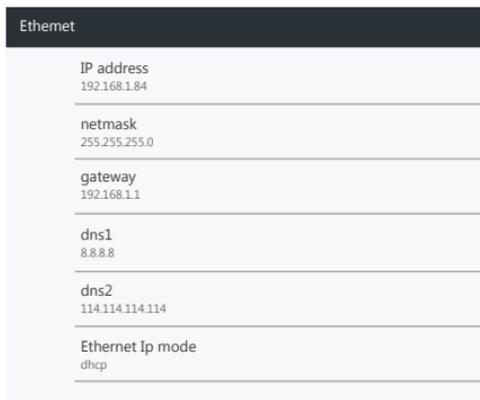
D. Bluetooth

You can connect external Bluetooth headphones or speakers to AKASO projector while in Bluetooth mode.

① Select [**Bluetooth**] and press **OK** on the remote(or click on the touch area of the projector) to access the Bluetooth setting interface. Then press **>** on your remote control or move the mouse to OFF / ON button on the projection screen to turn on the Bluetooth.

Network settings			
Wi-Fi	Convenient hot spot	Ethernet	Bluetooth

② Click "**AKASO**" and press **OK** on the remote(or click on the touch area of the device) to rename the Bluetooth.

Select "**Available equipment**" and choose available device to connect.

Bluetooth	ON
Rename	AKASO
Available equipment	

Available equipment searching...
⁂ AKASO
⌒ Beoplay M3
⌐ PC
⁂ unknown
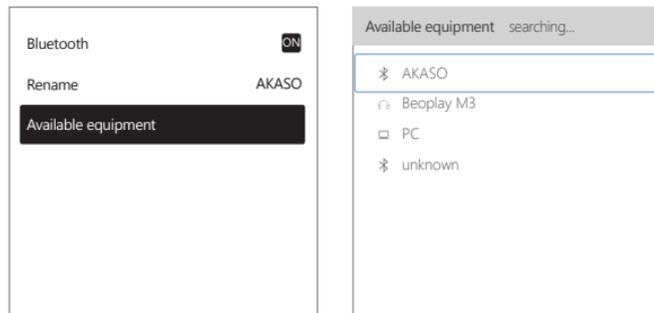
Note: In Bluetooth mode, you can transfer files to AKASO from an android device, but not an apple device.

2. Projection related Settings

Select [Settings] and enter into Network settings page, select[Projection mode] / [Keystone correction] to adjust the projection screen.

Keystone correction	[Auto-rotate screen on]: The device is in an upside down or gravity change status, the image will be automatically corrected.
	[Auto Keystone on]: The picture can be automatically corrected in the form of a vertical trapezoid.
	[Initial angle correction]: When you select an angle as a horizontal plane and place the device in this horizontal plane, the picture will be automatically corrected up and down.
	[Up-Down Correction]: The picture can be corrected up and down.
	[Left-Right Correction]: The picture can be corrected left and right.
Projector mode	[Front]: The device is located in front of the projection surface.
	[Rear]: The device is located behind the projection surface.
	[Front Ceiling]: The device is hanging from the ceiling in an upside down position. The image is rotated by 180 degrees.
	[Rear Ceiling]: The device is hanging from the ceiling in an upside down position. The image is rotated by 180 degrees and horizontal mirrored.

3. Other Settings

Select [Settings] find more settings.

[General]	
Sound	Increase/reduce the sound.
Brightness	Adjust picture brightness.
Keyboard & input methods	Android Keyboard/Google input method.
Language settings	Select an on-screen display language.
Date & time settings	Manually set date and time.
Develop Options	
{} Developer Options	Connect device with PC via USB (supports copy files from PC to projector).
[Upgrade]	
Local upgrade	If we have new software, you can copy it to the USB flash drive to upgrade.
[Reset]	
Factory data reset	Reset and delete all data

ENJOY

Several different connections, you can choose any one to enjoy.

1. Connect to HDMI Playback Devices

The projector with HDMI input function is mainly used to input information of other device into the projector. It supports connections with various HDMI playback devices such as TV stick, TV box, DVD player, set-top box(STB), game machine or other devices.

① Connect this device to an HDMI playback device with an HDMI cable (Provided).

② Press ⌂ to access the home menu, select [**HDMI**] and press **OK** on the remote(or click on the touch area of the projector).

Note: It will automatically start the HDMI playback when connected to an HDMI playback device for the first time).


2. Screen cast

Press ⌂ to access the home menu, select [**Same screen**] and enter into screen cast interface, and there are three ways(Airplay/WifiDisplay/EShare) to cast.

① Airplay

In the same network(iOS device and projector should be connected to the same network) or hot spot(provided by the projector) status, enable Airplay on your iOS device to wirelessly cast the content of your smart device onto the projection surface.

For iOS devices:
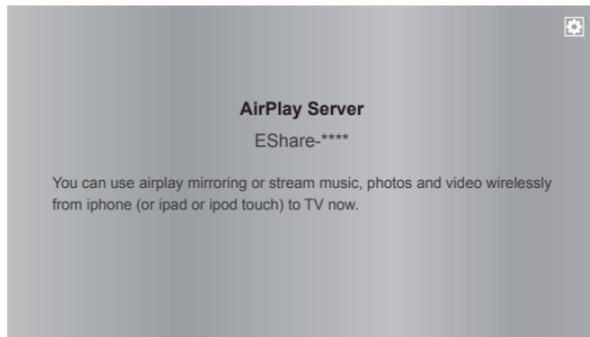
② WifiDisplay

Download Miracast app on your android device when first time use. In the same network (android device and projector should be connected to the same network) or hot spot (provided by the projector) status, enable Miracast on your android device and then click "**Search**" on the projection surface, it will search for your smart android devices, then find your device and click "**agree**" in the pop-up to connect.

For Android devices:

③ EShare

Install EShare app on Android/iOS device

(1) Please make sure that Android/iOS device and projector are connected to the same network.

(2) Operate according to the tips on the screen. Scan QR code or visit download website with your smart device.

1. Connect your device to "Your home network".
2. Visit "the URL shown here" with web browser or scan the QR-code to download app.
3. Launch EShare and click "EShare- **** " to connect.

Note:

Do not download the latest EShare version on Google play if you use Android device-the latest version may not be compatible with AKASO. Please follow the screen prompts to install EShare.

Certain content may be unavailable to be cast due to copyright restrictions. In this case, you can stream those content via the same apps installed in your AKASO projector.

Connect EShare with AKASO

(1) When EShare installation is finished, run "EShare" on Android/iOS device and it will search for the projector which shares the same network with it automatically.

(2) Click [Device List] on the top to search again and check device. Click your device, the projector will connect with it automatically.
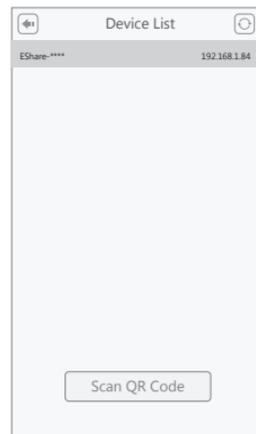
EShare Instructions

Local Files — Local files-You can transfer selected local files including music, video, picture and other files.

Mirroring — Mirroring-You can cast the screen of the smart device to the projection screen.

TV Mirror — TV Mirror-You can transmit pictures from projector to smart device in real-time.

Remote — Wireless Control-Your smart phone can be used as the mouse, remote controller, keyboard or fly mouse of the projector.

3. Online services and install apps

Once connected to a network, you can access online services, browse the web and install apps. Apart from the apps installed, you can also install any other apps from Google play store.

① Press 🏠 to access the home menu.

② Select [YouTube]/[NETFLIX]/[Google play] and enter into the corresponding interface.

4. USB and Micro SD card

With these ports, you can enjoy musics, videos, and pictures.

① Press ⌂ to access the home menu.

② Select and click [APP] icon.

③ Then find and click [Gallery]/[MX Player Pro]/[Music] icon.

SPECIFICATIONS

Specifications and design are subject to change without notice.

Projection parameters:

Dimensions: (L*W*H)5.7*3.1*0.8 Inches

Weight: 0.64lb / 10.26oz / 291g

Projection Technology: DLP(0.3"DMD)

Projection Light: RGB LED OSRAM Q6

Light Life: Up to 30000 hours

Light Luminance: 50 ANSI lumens

Light Type: LED

Standard Resolution: WVGA 854*480

Projection Area: 30-120 inch

Contrast: 1000:1

Projection Ratio: 1.19:1

Distortion: <1.0%

Luminance Uniformity: >85%

Projection Distance: 1-5m (37.8inch@1m)

Aspect Ratio: 16:9

Focus mode: Manual focus

Keystone Correction: Automatic, Vertical: ±40degree

Projector Character: Interaction

Projection Mode: Front Projection

Offset function: NO

3D: NO

System Parameters

Screen Mirror	Airplay/WifiDisplay/Eshare
OS	Android 7.1.2
Bluetooth	2.4G/5G Wi-Fi
Built-in Battery	5000mA
Usage time	Work for about 2 hours
Usage time	MPEG-1, MPEG-2, MPEG-4 real-time video decoder, H.263, H.264, H.265, VC-1, RV, VP6/ VP8, Sorenson Spark, MVC
Audio Support	MP3,WMA,MP2,OGG,AAC,M4A,MA4,FLAC,APE,3GP,WAV
Image Support	Support browsing in multiple image formats(jpg,png,bmpetc.)
Extended Storage	Support Hard Disk and Micro SD card
Control method	Support (IR)Infrared and 2.4G wireless control, Touch button
Built-in speaker	One speaker with 1W
Light machine Consumption	3W
Whole Power Consumption	5W
Power Performance	AC100-240V, 50/60Hz DC 5V 3A
Interface	1*Micro SD Card: Max 32G
	1 * HDMI: HDMI Input 1.4
	2 * USB: USB 2.0
	1 * Earphone: 3.5 mm Audio output
	1 * DC input: DC 5V 3A

TROUBLESHOOTING

1. Fail to power on?
   Slide >▣ to the left, and then press ⏻ on the projector to power on.

2. The remote control doesn't work?
   Change new batteries and retry.

3. Blurred image?
   Switch the focus adjusting wheel to get the best focus.

4. Cannot connect to a Wi-Fi network?
   Refresh the list of available networks and retry.
   Reboot the wireless router or the projector and retry.

5. Reversed projection image?
   Press ⌂ to access the home menu, select [Settings]>[Projector Mode] and switch to a
   correct state.

6. How do I update the firmware?
   When we have a new version, we will post the news to our listing and then you can
   contact us for the updated firmware.

NOTICE

This production is designed and manufactured with high quality materials and components, which can be recycled and reused.

This symbol means the product must not be discarded as household waste, and should be delivered to an appropriate collection facility for recycling. Follow local rules and never dispose of the product and rechargeable batteries helps prevent negative consequences for the environment and human health.

CONTACT US

For any inquires, issue or comments concerning our products, please send E-mail to the address below, and we will respond as soon as possible.

Email: cs@akasotech.com