

User's Manual

Welcome

Thank you for purchasing this product. Please read this manual thoroughly before use and retain it for future reference. We are confident you will enjoy this product and its many functions.

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About the product

Featuring integrated WLAN, this Pico projector provides cable-free connections from your notebook, tablet or smartphone and streams content such pictures, videos, websites, and documents wirelessly and projecting the images up to 120" (300 cm) in size. With its powerful wireless functionality and versatile connection options including HDMI and Audio-Out, this Pico projector is the best solution for mobile use in business and entertainment.

Safety Notice

1. Keep the device and packaging materials out of the reach of infants and children.
2. Avoid subjecting the power adapter and other contacts to dripping or splashing water and dry your hands before you use it. Do not place objects filled with liquids such as vases, etc. on or near the device.
3. Make sure that the used power outlet is always readily available and never hidden. In case of emergency, use the power adapter to separate the device from the power network.
4. Keep your device away from all flames such as candles and do not set them up within the vicinity of the device.
5. Keep the unit at least 10 cm away from other objects. Make sure the ventilation is not covered by newspapers, tablecloths, curtains, etc.
6. For your own safety, do not use the projector during thunderstorms or lightning.
7. Ensure that the operating environment temperature is within 5 ~ 35°C and relative humidity is 20% ~ 80%, non-condensing.
8. The battery is integrated with the device. Do not disassemble and modify. The battery should be replaced by an authorized service center only.
9. Wait before using if the device has been moved from a cold location into a warm one. Any condensation that has formed may in certain circumstances destroy the device. As soon as the device has reached room temperature it can be used without risk.
10. Handle the product with care. Avoid contact with sharp objects. Keep device away from metallic objects.
11. Place the projector on a flat surface. Any collision or falling to the ground is likely to damage the product.
12. Do not drop or disassemble the product otherwise the warranty will void. Opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to an authorized service center.

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13. Use only the accessories supplied by the manufacturer.
14. Both product and user's manual are subject to further updates, modifications or supplement without further notice.

Care and Safety Information for Pico Projectors

1. Avoid facing directly into the projector's lens.
2. During the operation, this product may heat lightly, which is normal.
3. The device should not be used in a very dusty environment. Dust particles and other foreign objects may damage the unit.
4. Do not expose the device to extreme vibrations. It may damage the internal components.
5. Use the enclosed power adapter (see technical data):
Check whether the mains voltage of the power supply matches the mains voltage available at the setup location. This equipment complies with the voltage type specified on the unit.



Avoid Hearing Damage:

Listening at high volume for a long period of time could cause damage to your ears.



Notice for Prolonged and Lengthy Projection

The built-in battery supports approximately 120 mins of projection. For extended projection periods, it is recommended to use the AC adapter.

When the battery level reaches to low, the low battery capacity icon () will flash. To continue using the product, you must charge the projector utilizing the AC adapter when the icon is flashing.

It is normal that the projector will feel warm with continuous use due to its high performance. If you wish to project for a prolonged period of time, ensure there is good ventilation to dissipate the build up of heat within the device.

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The CE marking certifies that the product meets the main requirements of the European Parliament and Councils directives EN55032/EN55024 on information technology equipment, regarding safety and health of users and regarding electromagnetic interference.

The declaration of compliance can be consulted on the site www.aiptek.de.

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Packaging: The presence of the logo (green dot) means that a contribution is paid to an approved national organization to improve package recovery and recycling infrastructures. Please respect the sorting rules set up locally for this kind of waste.

Batteries: If your product contains batteries, they must be disposed of at an appropriate collection point.



The crossed-out waste bin stuck on the product means that the product belongs to the family of electrical and electronic equipment. In this respect, the European regulations ask you to dispose of it selectively;

- At sales points in the event of the purchase of similar equipment.
- At the collection points made available to you locally (drop-off center, selective collection, etc.).

In this way you can participate in the re-use and upgrading of Electrical and Electronic Equipment Waste, which can have an effect on the environment and human health. The paper and cardboard packaging used can be disposed of as recyclable paper. Have the plastic wrapping recycled or dispose of it in the non-recyclable waste, depending on the requirements in your country.

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FCC Compliance Statement:

This device complies with Part 15 of the FCC Rules. Operation is subjected 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.



This equipment has been tested and found to comply with 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 residential installations. 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 interference to radio or television equipment 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.
- Move the equipment away from the receiver.
- Plug the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for additional suggestions.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device and its antennas(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures.

FCC 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 & your body.

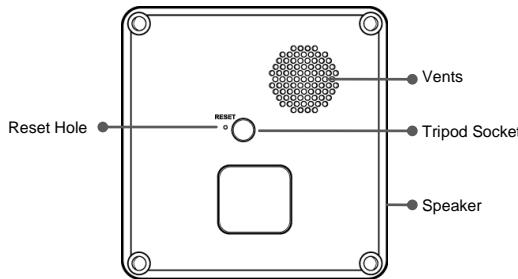
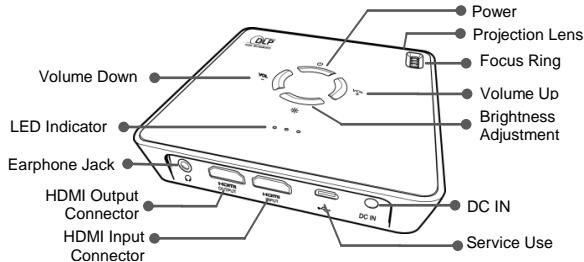
All cables used to connect peripherals must be shielded and grounded. Operation with cables connected to peripherals that are not shielded and grounded may result in interference to radio and television reception.

You are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.

Package Contents

- Mobile Projector
- Power Adapter
- Power Plugs
- User's Manual
- Tripod

Knowing your Mobile Projector



Getting Started

Charging the product

The projector is built with an embedded battery for mobile use. Please charge the projector for 5 hours prior to its first use. Repeat charging will take around 3 hours.

The battery will be charged only when the projector is not in use (Power off). Connect one end of the supplied power adapter to DC IN jack and the other end to a power outlet to start charging.

Exchange the plug (EU, US etc.) of AC adapter that accommodates the type of power outlet in your country.



Charging LED Indicator

During charging, the LED indicator lights will flash as marquee. While the battery is fully charged, the LED indicator lights turns to solid blue.

LED indicators

LED Status	Indication
3 blue LEDs stay on	Power capacity is between 80% to 100%
2 blue LEDs stay on	Power capacity is between 45% to 80%
1 blue LED stays on	Power capacity is between 10% to 45%
1 blue LED blinks	Power capacity is below 10%
LED Marquee	Projector is being charged

Power On / Off / Standby

Push the Power button for 2 seconds to turn on the projector.

Push the Power button again for 3 seconds to turn off the projector.

Standby mode: Push the Power button for 1 second to turn on / off the projector lamp to save the battery and system reboot time. (The LEDs are still on when the projector is in standby mode.)



Adjusting the Focus

Place the projector on a flat surface and toward a wall or a projection screen. Adjust the focus by turning the focus ring to get a sharp and clear picture.

Note: Use a tripod to increase the height of the projectional image when necessary. The tripod socket is located under the projector.

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Adjusting the brightness of projector

There is a brightness adjustment button on the top of the projector. It allows you to change the brightness.

Mode	Brightness	Battery Power (HDMI mode)
Normal	High	70 mins
Eco	Low	110 mins

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Main Screen

Power on the projector, the following screen appears after the projector boots up.



For first-time use, please install the wireless application software first, on your PC or smartphone.



<http://www.iezvu.com/download>

Wireless projecting via Apple Airplay (iOS10)

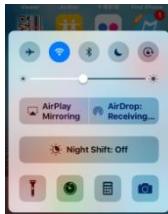
1. Tap Setting -> WiFi to connect iPhone to Projector-xxxxxxxx shown on the top of projection screen.



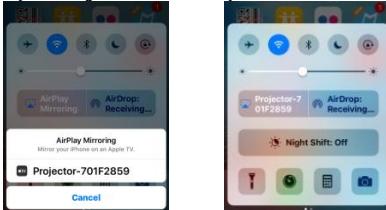
2. Swipe up from the bottom bezel of the screen on your iPhone to bring up Control Center.

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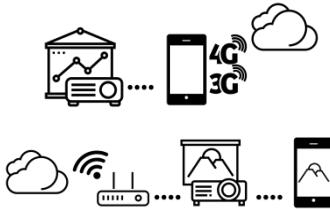
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3. Tap on "AirPlay Mirroring" then choose "Projector-xxxxxxxx".



4. After connection, the screen has been mirror-projecting.
*iOS device can project via Ezcast APP also, the operation is same as an Android device.
5. During projection, the smartphone can access cloud via 3G/4G network. It also can be done through the projector to link to a wireless network for cloud access.



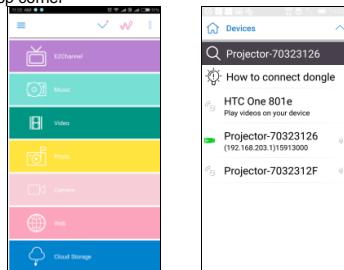
6. To connect the projector to a wireless network can support mirror projection and internet access. Tap  shown on the EZCast screen in the left top corner, Then, tap "Settings" and use the keypad displayed the mobile device to connect the projector to an available wireless network. The detail operation can be referred to **Connect the projector to Wi-Fi network for Internet access.**



Projecting from the wireless application software on Android devices

EZCast is an application that runs on your Android smartphone or iOS devices and transmits still images or presentations to the projector. The EZCast is only used for a wireless connection.

1. Download and install the free **EZCast** app. Refer to the section of Main Screen.
2. Run **EZCast** after installation then click  shown on screen in right top corner to search projector.
3. Choose WiFi Projector (Name as SSID shown on the top of projection screen) and enter the Login password shown on the projector screen as well. After connecting to the projector a blue connection icon will be shown on projection screen in right top corner.

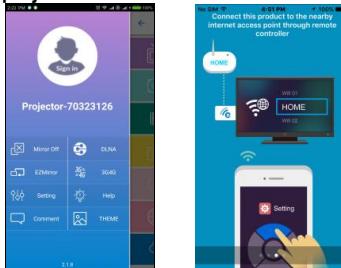


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tap "Settings" and use the keypad displayed the mobile device to connect the projector to an available wireless network. The detail operation can be referred to "Connect the projector to Wi-Fi network for Internet access".



5. After connection, tap "Mirror" On to mirror screen to projector. For EZCast user manual, please refer :
<http://www.iezvu.com/download/EZCast-User-Manual.pdf> .

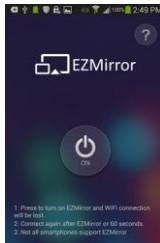
EZMirror projection for Android MiraCast devices

EZMirror is the function of EZCast app and fully compatible with Miracast, you can click the EZMirror button in EZCast to Miracast mode.

1. Link with Projector-xxxxxxxx in Wi-Fi setting of Android device then open EZCast app to click <EZMirror> icon from the menu of  . Projection screen will turn to the EZMirror screen.



2. Tap "ON" button shown on the screen. Once you turn it on, there is 60 seconds countdown for your mobile phone to connect with projector. Please enable Miracast function in smartphone setting page.



3. After Miracast connection, the screen has been mirror-projecting. Currently, the smartphone also can be connected to Internet via WLAN or 3G/4G.

Wireless projection from computer

1. Connect the computer to an available network for Internet access.
2. Open the Internet browser on your computer then enter the IP Address <http://www.iezvu.com/download> in the browser's address bar.
3. Select the driver for Windows or Mac OS depending on your operating system and then click <Download> to enter the download page. Follow on-Screen instructions to complete the setup and reboot the computer.
4. When the installation is completed, an icon, labeled  EZCast will appear on your computer desktop.
5. Power on the engine and enter to main screen of the projector.

6. Connect your computer to the projector Wireless network by selecting SSID: **Projector-XXXXXXX** on the network list, enter the Password shown on the top of projection main screen and click <OK> to confirm.



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7. Double-click **EZCast** icon on your computer desktop to start the application then click  **SEARCH DONGLE**. When the screen displays the selection of "Projector-xxxxxxxx", double-click it to connect to projector.



8. Click "Mirror" to select the projection output method from **Off** (default) to **Mirror** or **Extension** to start the wireless projection.



Connect the projector to Wi-Fi network for Internet access

It is recommended that you connect the projector to a Wi-Fi network (home network) so your computer, tablet, and smartphone can access to Internet at the same time. You only need to key in the network key to set up the connection for the first time. The projector will be automatically connected to the network when it's powered on the next time.

1. Go to Setting menu, select and enter 'Internet'.



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2. Select the Wi-Fi network (SSID) you would like to connect with and confirm with OK button to open the password dialog and typed the password.



3. If wireless security is enabled on your Wi-Fi network, you should type the password (network key) by using the virtual keyboard on the smartphone or your PC keyboard.



4. Click OK to set up the Internet access point and make the connection. It will take a while till the connection is successfully established. In home screen you will see the connection status in the right top corner



5. After the projector is connected to your Wi-Fi network (home network), please close the APP on your smartphone / Computer. Next, please connect your smartphone to your Wi-Fi network (home network) and open the APP again use the search button to connect to the projector again.

Note: Internet access performance is affected by various factors such as physical objects, distance, interference from other devices on similar frequencies, limited bandwidth etc. If the internet speed drops or intermittently disconnects during projection, we recommend you to select another access

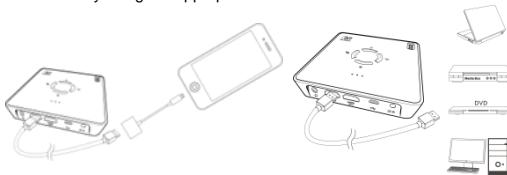
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point with a stronger signal or disable internet access to ensure the best experience for wireless projection.

HDMI Input

The projector has a built-in HDMI input port on the rear side. You can connect your external video Input source to the projector or output the projector's screen to a LCD monitor or HDTV by using the appropriate cable.



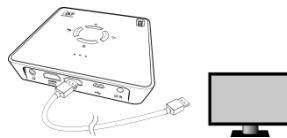
Note: Apple Lightning Digital AV adapter is not included in the package.

HDMI Output

The projector has a built-in HDMI output port on the rear side. Using a HDMI cable to connect to an LCD monitor or a TV with an HDMI input port, the projector can transform a conventional TV or monitor into a Smart TV via the wireless connection to a phone or tablet.

Displaying the image on an External LCD Monitor

Use the HDMI cable to connect the HDMI output port on the rear panel of the projector to a LCD monitor or HDTV. After connecting, the screen switches to the LCD monitor automatically.



Troubleshooting

If your projector does not seem to be functioning properly, check the items below before you contact an authorized service center.

Symptom	Check Point
The projector does not work when connecting to a smartphone, notebook or PC with cable.	Check if the HDMI is plugged correctly.
The projector can't be detected when running EZCast app.	<ol style="list-style-type: none">1. Enable your WLAN of PC or smartphone and select the access point labeled 'Projector-XXXXXXX' to connect with the projector.2. Disconnect the Ethernet cable from your computer to avoid affecting the wireless network connection.
The projected image is too dark.	<ol style="list-style-type: none">1. Use the projector in a darker environment.2. Increase the brightness by using the power adapter.3. Scale down the projectional image size.
The projected image is blurred.	<ol style="list-style-type: none">1. Adjust the focus. Please refer to "Adjusting the Focus".2. Check if the lens is dirty.
The surface temperature of projector is high.	Because of the high-luminance LED, it is normal that this projector generates heat in long-time use. It will not affect the performance of the projector. Always keep the ventilation slots free of dirt or obstructions and operate the projector in a properly ventilated environment.
Recovering from abnormal	If the projector is running slow, freezing, crashing or locking up during the operation, you can try to insert a slim, pointy object into the reset hole to trigger a hardware reset.

Specifications

Item	Description
Optical Technology	DLP
Light Source	RGB LED
Aspect ratio	16:9
Resolution	854 x 480 Pixels (WVGA)
Contrast Ratio	1500:1
Projection Image Size	51 cm ~305 cm (20" ~120")
Projection Distance	50 cm ~319 cm (20" ~125")
Throw Ratio (Diagonal: Distance)	1.4
Brightness	Up to 120 Lumens
Focus	Manual
Offset	100%
Connections	HDMI In, HDMI Out Audio Out: 3.5 mm mini jack
WiFi	802.11 b/g/n
Internal Speaker	Yes
Power Supply	Input: 100 ~ 240V AC Output: 12V, 2A DC
Battery Type	Embedded 7.4V / 1700 mAh Li-polymer battery
Battery Power (HDMI mode)	Eco mode: 120 min
Power Consumption	12 W
Dimensions (L x W x H)	118 x 121 x 24 mm 4.65" x 4.76" x 0.94"
Weight	265 g/9.35Oz
Humidity	20 – 80%, 80% (Max.), non-condensing.
Operating Temperature	5°C – 35°C.

*All specifications are subject to change without notice.