Manuals+ — User Manuals Simplified.

2E PHOBOS Built-In Projector 200 lm

2E PHOBOS Built In Projector 200 lm User Guide

Contents

2E

2E PHOBOS Built-In Projector 200 lm

Specifications

- **Brand**: 2E
- **Model**: Phobos / Deimos
- **Powered by**: EZCast
- **Compatibility:** Android, iOS, Windows, MacOS
- **Ports:** HDMI, USB, USB-C (Only for Phobos), Micro SD, Headset Jack
- **Wireless:** Wireless Kit included

Product Usage Instructions

EZCast App Installation:
Visit **www.EZCast.com/app** to download the EZCast app for your platform. Follow instructions to install the app.

Precautions:

1. Avoid pointing the lens towards human eyes during operation.
2. Ensure proper ventilation to prevent overheating.
3. Avoid using chemicals or water for cleaning.
4. Operate the device in a dry and ventilated environment.
5. Avoid exposure to moisture and keep out of reach of children.

Setting Up the Projector:

1. Plug in the power to the projector.
2. Insert the wireless adapter into the wireless kit port.
3. To turn on the projector, hold the power button for 3 seconds.

Using the Projector Stand and Holders:

- **Normal Mode:** Adjust the elevation angle by loosening the projector stand when projecting forward. Use

holders when projecting upward to ensure proper ventilation.

- **Portrait Mode:** Equip the projector holders at the bottom for effective ventilation.

This 2E projector Quick Start Guide provides a guideline for basic operation. Please read the guide thoroughly before operating the projector. Visit www.2E.ua for additional information. Product information is subject to change without prior notice.

Thank you for purchasing the 2E projector powered by EZCAST. Our product combines the easy to use interface, portability, and cross platform compatibility, to let you enjoy projecting media from Android, iOS phones and tablets, as well as Windows and MacOS laptops, anytime, anywhere.

EZCast app installation
Please visit www.EZCast.com/app to download EZCast app for every supported platform. Mobile devices can proceed to the relevant download area by scanning the QR code below. (iOS users can search for EZCast in the App Store to download the app) (Android users can search for EZCast in Google Play to download the app)
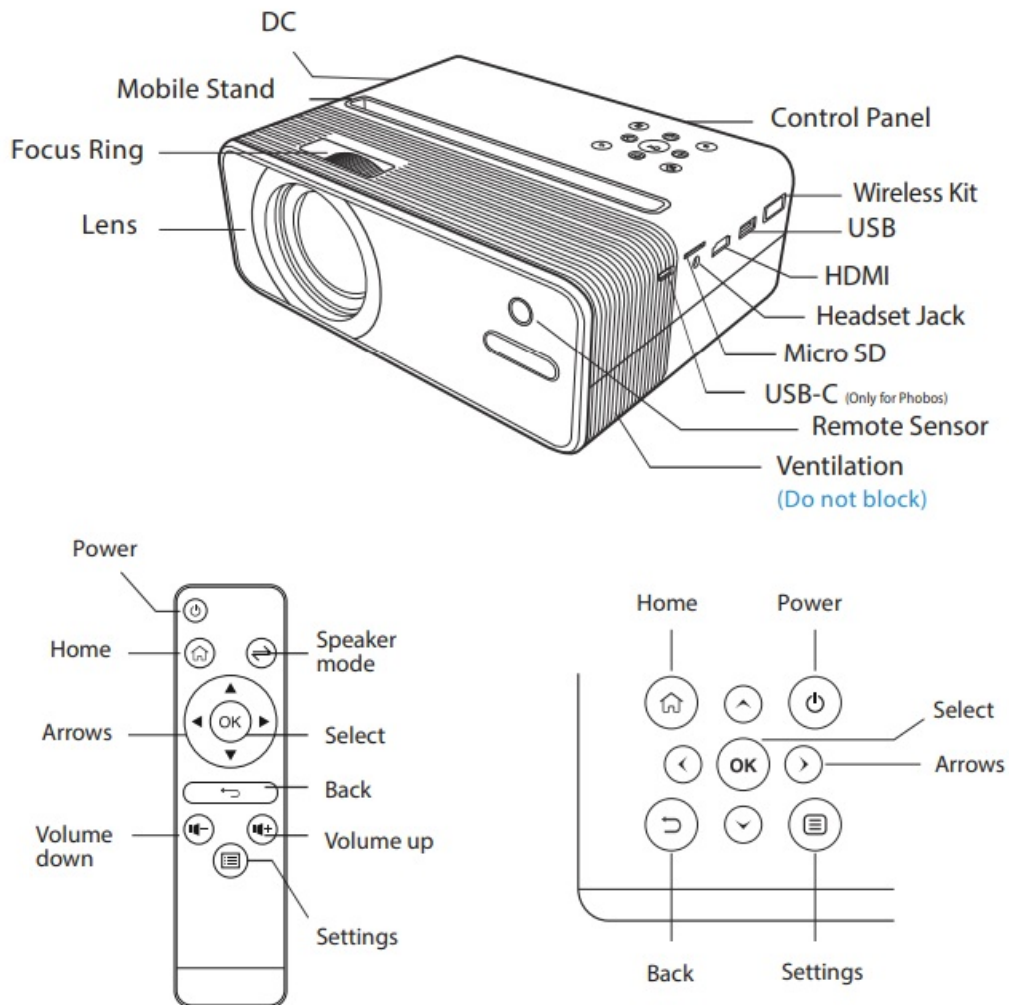
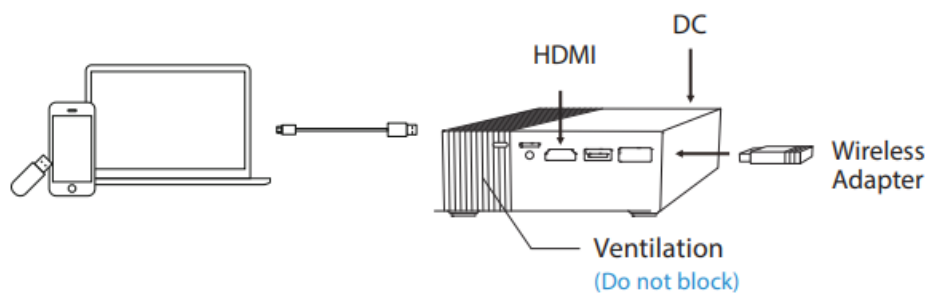**Precautions**
How to use the projector

1. Do not turn the lens toward human eyes when in operation, to avoid damaging the eyes caused by the high intensity light source.
2. Do not block the device ventilation to avoid damage to the internal electronic devices due to overheating.
3. Do not use chemicals, cleaning agents or clean water to clean the device, and prevent rain water, moisture and mineral-containing liquids from corroding circuit boards.
4. Please keep the device and its parts and accessories out of reach of children.
5. Please ensure that the device is operated in a dry and ventilated environment.
6. Do not store the device in extreme hot or cold conditions. High and low temperatures may shorten the lifespan of electronic devices. The normal operating environment is between 5°C~30°C.
7. Do not put the device into any drying equipment (such as a dryer, microwave oven, etc.).
8. Do not squeeze or place heavy objects over the device to avoid damage to the device.
9. Do not throw, knock or shake the device violently, which may damage the internal circuit boards.
10. Do not attempt to disassemble the device without permission. If there is any problem, please contact customer support.
11. It is recommended to shut down for 30 minutes after playing for more than 8 hours.

Never look directly into the projector lens when the lamp is turned on. The bright light can damage your eyes. Never let children look into the lens when it is on.

2E projector body and remote

DC

Mobile Stand

Focus Ring

Lens

Control Panel

Wireless Kit

USB

HDMI

Headset Jack

Micro SD

USB-C (Only for Phobos)

Remote Sensor

Ventilation
(Do not block)

Power

Home

Arrows

Volume down

Speaker mode

Select

Back

Volume up

Settings

Home

Power

Select

Arrows

Back

Settings

How to set up 2E projector projector

DC

HDMI

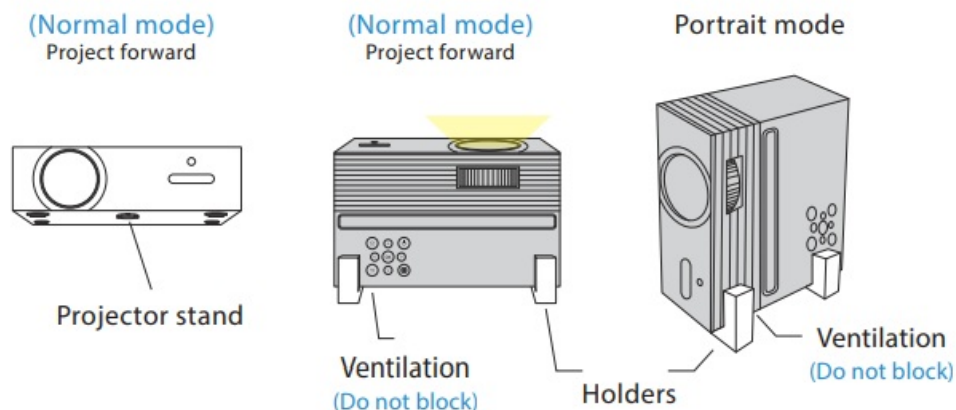Wireless Adapter

Ventilation
(Do not block)

Preparation

1. Plug the power to the projector, and the power button will light up.
2. Insert the wireless adapter into the wireless kit port of the projector.
3. To turn on projector, hold the power button of the projector for 3 seconds till you hear the «beep" sound and the light will turn blue.
4. Adjust focus ring until the projection image is clear and focused.

Projector stand and holders

1. **Normal mode:** When projecting forward, adjust elevation angel by loosening the projector stand under the projector. When projecting upward, use the holders to avoid blockage of ventilation.
2. **Portrait mode:** Equip the projector holders at the bottom to make sure the ventilation works well.

First-time settings

1. Select the start-up language.
2. Wi-Fi setting: connect the projector to your router and enter the password. (Important)
3. After starting up, enter the main menu and select the functions by arrow keys on the projector or remote control: Android, iOS, MacOS, Windows, bluetooth, EZCast, Multimedia, HDMI, Type C (only for Phobos model), and Setting, as below shown:

Power off:

1. **Sleeping mode:** press the power button and hear the "beep" sound with the power button still blue.
2. **Power off:** hold the power button for 3 seconds till you hear the «beep" sound twice, and the power button turns red.
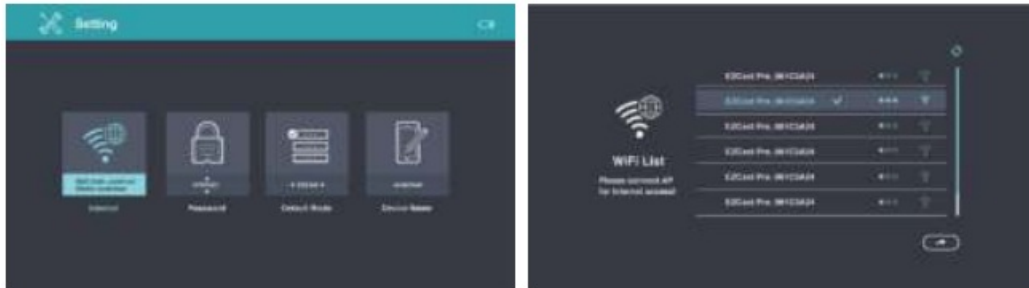
Multimedia playback

1. Insert a USB flash drive into USB1 port or insert SD Card to SD Card slot on the projector.
2. Select the «Multimedia»>>»USB Disk» or «SD card»>>»Video», «Music» or «Photo» to enter the file folder.
3. Select the file to play with the up and down arrow keys, and press «OK» to confirm.
4. When playing media, press «OK» to see the menu, and select item by the left and right keys.
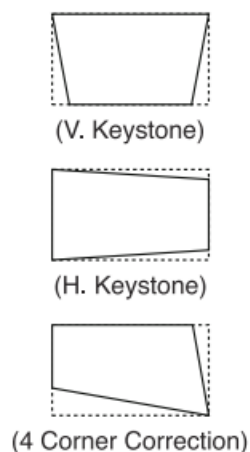
5. Support format: video, audio, and image.

Settings

Select the «Setting» key on the projector or remote control, and press «OK» to confirm.

1. **Wi-Fi setting :** Select the «Wi-Fi setting» menu and enter the Wi-Fi setting interface, select the «Internet», press «OK» key to confirm, and select the router from AP list and enter the password.

2. **Display mode:** Switch standard/ bright mode.
3. **Portrait mode**: Switch on to project vertically. Please make sure NOT to block the ventilation. *Note: Auto mode is supported only for Phobos model.
4. **V.Keystone:** Manually vertical keystone adjustmentup to ±30 degrees (Auto adjustment for Phobos model).
5. **H. Keystone:** Manually adjust horizontal keystone up to ±10 degrees.
6. **4 Corner Correction:** Choose the corner to be adjusted and use arrows to change the location.
7. **Color Setting:** Change brightness, Contrast, Saturation, Sharpness, R/G/B Gain, and R/G/B Offset.
8. **Firmware Upgrade:** Upgrade via USB drive or through internet.
9. **Projector Location:** Switch to Front/ Front Ceiling/ Rear/ Rear Ceiling.
10. **Language:** Change language with arrows.
11. **Reset All:** Choose yes to reset projector to factory default. All saved changes to Setting are lost. The projector will be restored to the factory settings, and the data adjusted by the user will not be saved.

(V. Keystone)

(H. Keystone)

(4 Corner Correction)

How to Plug and Play (via USB cable)

Android

1. Select Android on main menu of the projector, and then select Plug and Play by pressing «OK» key.
2. Connect your mobile to the projector via mobile USB data cable.

3. Download and install MiraPlug app.
4. Replug the cable and it will start casting automatically.

iOS

1. Select the iOS on main menu of projector, and then select Plug and Play menu by pressing «OK» key.
2. Connect your mobile to the projector via mobile USB data cable, and then choose «Trust This Computer» to start your projection.

Note: If there's a black screen after connecting to mobile, please reboot your mobile and then try again.

Windows

1. Select Windows on main menu of projector, and then select Plug and Play menu by pressing the»OK» key.
2. Install EZCast app on your PC. Please visit **https://www.ezcast.com/app** to download EZCast app.
3. Connect your PC to the projector via USB A-to-A cable.
4. Launch EZcast app on your PC and click Ⱳ icon.
5. Find and select «Beam-XXXX» from "Search device", and click ⬚ to mirror.

MacOS

1. Select MacOS on main menu of projector, and then select Plug and Play menu by pressing «OK» key.

2. Install EZCast app on your PC. Please visit **https://www.ezcast.com/app** to download EZCast app.

3. Connect your PC to the projector via USB A-to-A cable.

4. Launch EZcast app on your PC and click **W** icon.

5. Find and select «Beam-XXXX» from "Search device", and click to mirror.

How to Wireless Display

Android

1. Select Android on main menu of projector, and then select Wireless menu by pressing «OK» key.

2. Select mirroring function in the setting of your phone and find"Beam-XXXX" device shown on device list to start your mirroring.

- **Note 1:** The naming of mirroring function varies different brands.
- **Note 2:** Compatibility: Android 5.0 or above.

iOS

1. Select iOS on main menu of projector, and then select Wireless menu by pressing «OK» key.

2. Make sure both of your projector and mobile are connected to the same WiFi router.

3. Go for Screen Mirroring of your mobile and select the "Beam-XXXX" shown on the list to start projection.

Note: Compatibility: iOS 12 or above.

Windows 10

1. Select Windows on main menu of projector, and then select Wireless menu by pressing «OK» key.
2. Make sure both of your projector and computer are connected to the same Wi-Fi router.
3. Click quick key by [⊞] + [P/ K] on the computer, and connect to the device named by "Beam-XXXX" to start your projection.

Note: Please upgrade your windows 10's operation system to the lastest version.

MacOS

1. Select MacOS on main menu of projector, and then select Wireless menu by pressing «OK» key.
2. Make sure both of your projector and computer are connected to the same Wi-Fi router.
3. Click for Screen Mirroring icon on your computer and select the "Beam- XXXX" shown on the list to start your projection.

Google Home Screen Mirroring (Android Only)

1. Select Android on main menu of projector, and then select Google Home menu by pressing «OK» key
2. Make sure both of your projector and mobile are connected to the same WiFi router
3. Download and install Google Home app from Google Play Store.
4. Launch Google Home app and choose device name: Beam-xxxx > Cast my screen > Cast screen
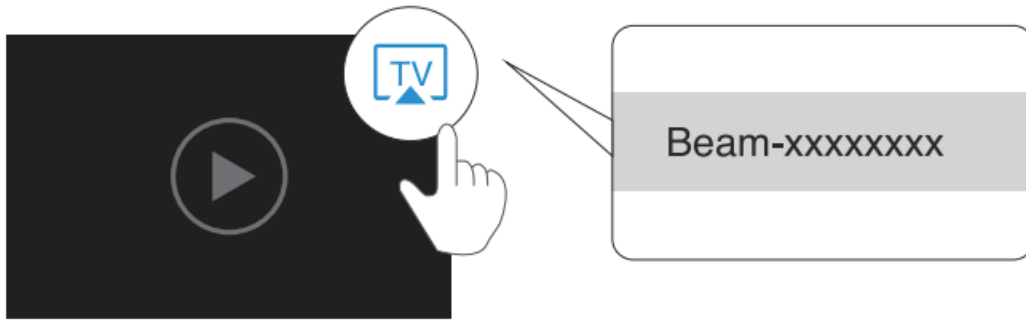

EZCast

1. Select EZCast on main menu of projector and make sure both of your projector and mobile are connected to the same Wi-Fi router.
2. Install EZCast app on your device. Please download the app from application market for your mobiles or visit **https://www.ezcast.com/** app to download EZCastapp for PC.
3. Launch EZCast app on your device, and then click [icon] icon and select the "Beam-XXXX" shown on the list to start your projection.

DLNA streaming

1. Select EZCast on main menu of projector and make sure both of your projectorand mobile are connected to the same Wi-Fi router.
2. Launch the app that support DLNA, such as QIY, QQTV.
3. Click the DLNA icon on the video you'd like to play, and select "Beam-XXXX".

Note: DLNA icon usually shows in the corner of the video, and looks like a tv which depends on different apps.

Troubleshooting

Problems	Solutions
No electricity/can't power on	1. Check whether the power cord is connected properly. 2. Press the Power button for 3 seconds till you hear the «beeping» sound, and then release the button and wait for the projector to start up.
Unable to screen mirroring	1. Make sure wireless adapter has been installed to wireless kit port on the projector. 2. Refer to the Quick Guide to make sure you are using the correct screen mirroring function. 3. If the screen stutters or lags, the distance between source and projector is too far. 4. Make sure the phone is connected to the SSID of the projector.
Unable to play online media	1. Check whether the network connection is normal. 2. Check whether the wireless adapter is inserted into the Wireless kit port.
Abnormal casting/ black screen	1. Make sure the ventilation works without blocked. 2. Long press the Power button to shut down. 3. Wait for the projector to cool down, and then press Power button to turn on again.
Unable to upgrade online	1. Check if the Wireless adapter is inserted into the Wireless kit port. 2. Check whether the network connection is normal. 3. Select OTA upgrade in the Setting. 4. Check whether there is a newer firmware version available to upgrade.
Cannot focus image	1. Confirm whether the projecting distance is appropriate, and try to extend the distance between projector and screen. 2. Check whether the lens is clean.
Remote control not functional	Replace the batteries of remote control.
Unable to shut down	Press the Power button for about 10 seconds to force the shut down.

Warranty

1. The defective product is valid for refund and replacement if claimed with proof of purchase within 14 days of purchase, and the defect was not caused by inappropriate usage or mishandling of product.

2. Product warranty is limited to 12 months within the purchase date, and covers the main projector only. The warranty does not cover accessories and defects caused by inappropriate usage or mishandling of product.

	Phobos	Deimos
Projection Technology	LCD	LCD
Resolution	1920 x 1080 (Full HD)	1920 x 1080 (Full HD)
Light Source Brightness (lm)	10500	10500
Light output (ANSI lm)	200	200
Contrast ratio	1000:1	1000:1
Throw Distance	1.3:1	1.57:1
Focus	manual	manual
Diagonal	35-175"	32-176"
Light Source (Type, Life)	CSP LED, 30000	CSP LED, 30000
Operating Power Consumption (W)	65 (19V, 3.42A)	65 (19V, 3.42A)
Input ports	HDMI, USB Type C, MicroSD, WiFi	HDMI, USB Type A, MicroSD, WiFi
Output ports	stereo mini jack, USB Type A (5B, 0.5A)	stereo mini jack, USB Type A (5B, 0.5A)
Speaker Output Power (W)	5	5
Keystone Correction	V= ±30° H= ±10°	V= ±30° H= ±10°
Fan Noise (dB)	37.3-43	37.3-43
Weight (kg)	1.3	1.3
Dimensions (mm)	232 x 169 x 92	232 x 169 x 92

Contact Information

- **Company Name**: Malead Limited.
- **Company address**: Flat/Rm 9, 25/F Concordia Plaza, 1 Science Museum Road, Tsimshatsui, Kowloon, Hong Kong.
- **Material**: plastic, metal.
- **Warranty:** 12 months.

Made in China

FAQ

Q: How do I clean the projector?
A: Do not use chemicals or water for cleaning. Use a soft, dry cloth to gently clean the exterior surfaces of the projector.

Q: Can I connect my iOS device to the projector?
A: Yes, you can connect your iOS device to the projector by downloading the EZCast app from the App Store and following the setup instructions.

Documents / Resources

2E PHOBOS Built In Projector 200 lm [pdf] User Guide
PHOBOS Built In Projector 200 lm, PHOBOS, Built In Projector 200 lm, In Projector 200 lm, Projector 200 lm

References

- **Universal wireless screen mirroring solution - EZCast**
- **Guides to using Miracast with EZCast**
- **User Manual**