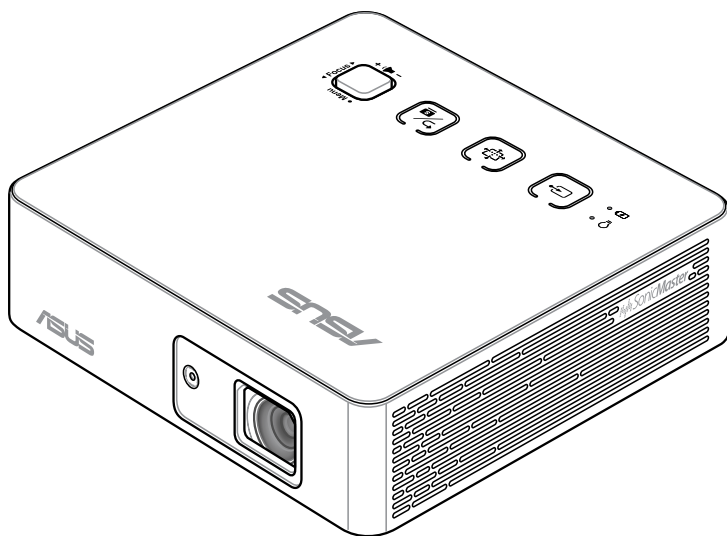




# LED projector

## *E-Manual*

### *S2 Series*



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# About this manual

This manual provides information about the hardware and software features of your LED projector through the following chapters:

## **Chapter 1: Knowing your LED Projector**

This chapter details the parts of your LED projector and its accompanying remote control.

## **Chapter 2: Setting up**

This chapter shows you how to set up your LED projector and use its parts for input device connection.

## **Chapter 3: Using the onscreen display menu**

This chapter talks about the features of your LED projector's onscreen display menu and how to navigate it using the control panel.

## **Appendices**

This section includes safety notices for your LED projector.

## Conventions used in this manual

To highlight key information in this manual, some text are presented as follows:

---

**IMPORTANT!** This message contains vital information that must be followed to complete a task.

---

---

**NOTE:** This message contains additional information and tips that can help complete tasks.

---

---

**WARNING!** This message contains important information that must be followed to keep you safe while performing tasks and prevent damage to your LED projector's data and components.

---

## Typography

**Bold** = This indicates a menu or an item that must be selected.

*Italic* = This indicates sections that you can refer to in this manual.

## Multi-language versions

Download other language versions of this E-Manual via this website:

**<https://www.asus.com/support>**

# Safety precautions

## Using your LED projector

- Refer to the manual and take note of the safety instructions before operating your LED projector.
- Follow the notes and warnings stated in the user manual.
- Do not place your LED projector on uneven or unstable surfaces.
- Do not use your LED projector in smoky environments. Smoke residue may cause build-up on critical parts and damage the LED projector or decrease its performance.
- Keep the LED projector's plastic packages out of the reach of children.
- Do not block or place anything near the LED projector's ventilation holes. Doing so may cause internal heat build-up that can degrade picture quality and damage the projector.
- Ensure that the operating voltage of your LED projector matches the voltage of your power source.

## Servicing and replacement of parts

- Do not disassemble or attempt to service this LED projector by yourself. Contact your local ASUS service center for assistance.
- When replacing parts of your LED projector, purchase items as specified by ASUS and contact your local service center for assistance.

## Caring for your LED projector

- Switch off then unplug the LED projector from the power outlet before cleaning it.
- When cleaning the LED projector's housing, use a clean soft cloth dampened with water or a mix of water and neutral detergent. Wipe it dry using a soft dry cloth.
- Ensure that the lens is cool before cleaning it. Gently wipe the lens using a lens cleaning paper. Do not touch the lens with your hands.
- Do not use liquid or aerosol cleaners, benzene, or thinners on your LED projector.
- Never operate this LED projector immediately after moving it from a cold location. When the LED projector is exposed to a drastic change in temperature, moisture may condense on the lens and its other internal parts. To prevent this, use the unit two (2) hours after an extreme or sudden change in temperature occurs.

## Proper disposal



Do not throw your LED projector in municipal waste. This product has been designed to enable proper reuse of parts and recycling. The symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment and mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.



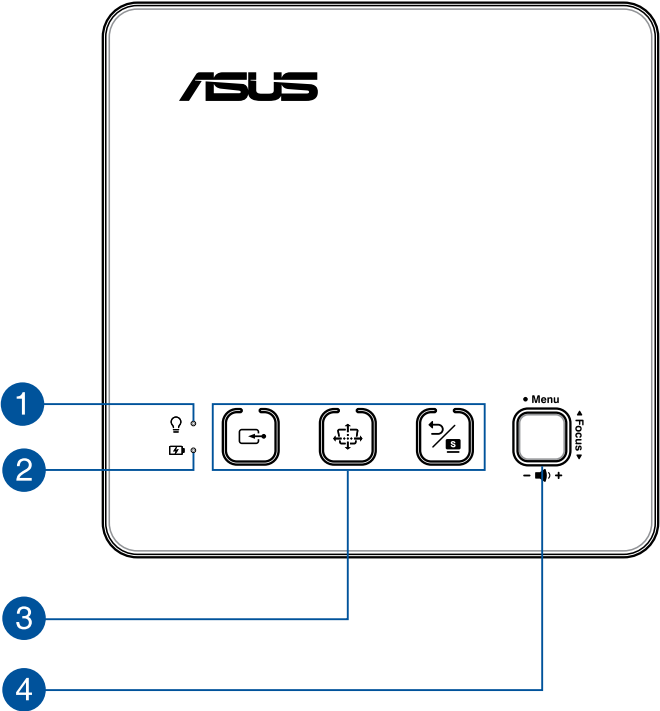
Do not throw the battery in municipal waste. The symbol of the crossed out wheeled bin indicates that the battery should not be placed in municipal waste.



*Chapter 1:*  
***Knowing your LED  
projector***

# Features

## Top view



## 1 Power indicator and battery status indicator

This LED indicator indicates the following scenarios for your LED projector:

- It lights up when the LED projector is powered on.
- It lights up as either green or red depending on the battery charge status.

For details on how this LED indicator functions as a battery status indicator, refer to the following table:

Color	Status
<b>Solid Green</b>	The LED projector is either plugged to a power source or running on battery mode and the battery power is more than 25%.
<b>Solid Red</b>	The LED projector is running on battery mode only and the battery power is not more than 25%.

## 2 Battery charge indicator

This LED indicator lights up when the LED projector is plugged to a power source using its power adapter.

---

**IMPORTANT!** Use only the bundled power adapter to charge the battery pack and supply power to your LED projector.

---

### 3 Control panel buttons

These buttons correspond to a specific LED projector setting as indicated below.



Keystone



Input



Back/Splendid

### 4 Joystick

This joystick allows you to navigate the onscreen display menu and select menu settings. This joystick also correspond to specific LED projector settings as indicated below.



Open main menu/OK  
(push center)



Adjust focus  
(move up or down)



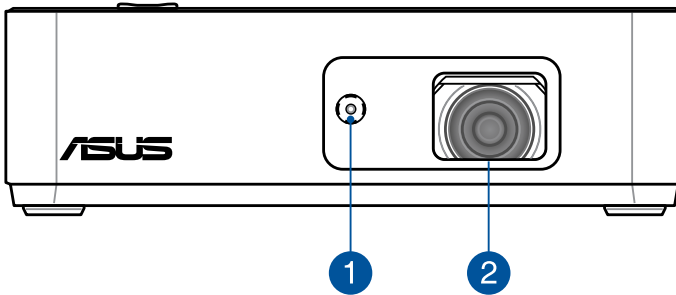
Adjust volume  
(move left or right)

---

**NOTE:** For more information on using your LED projector's settings, refer to the *Using the onscreen display menu* section in this manual.

---

## Front view



### 1 Auto focus camera

This camera helps the LED projector with the auto focus feature.

### 2 Lens

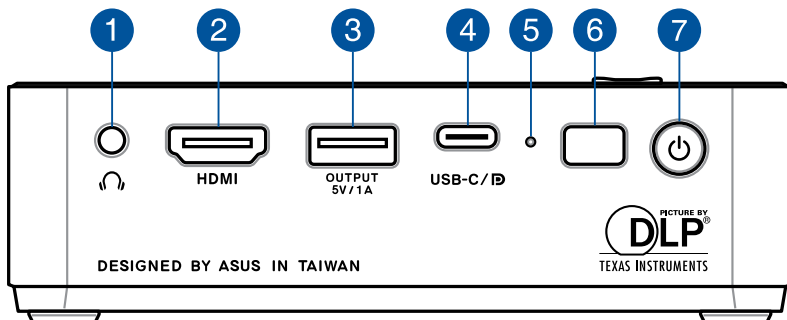
The lens projects video or image files onscreen from your input device.

---

**WARNING!** Do not touch the lens using your hands or any sharp object.

---

## Rear view



### 1 Audio output jack port

The audio output jack port allows you to connect your LED projector to amplified speakers or headphones.

### 2 HDMI port

This port is for the HDMI (High-Definition Multimedia Interface) connectors. This port is HDCP compliant for HD DVD, Blu-ray, and other protected content playback.

### 3 USB Type-A power output port

This power output port provides up to 5V/1A of output voltage and current. You can connect your mobile device to this port to keep it charged while using it with your LED projector.

#### 4 **USB 3.1 Gen 2 Type-C™ DisplayPort/Power Delivery combo port**

Use a USB Type-C™ adapter to connect your LED projector to a compatible device to stream media contents. This Power Delivery output port provides up to 5V/1.5A of output voltage and current when a power source is connected to the Power (DC) input port. You can connect your mobile device to this port to keep it charged while using it with your LED projector.

---

**NOTE:** Ensure to use USB cables certified by the USB-IF to be compliant with USB 3.1 Gen 1 or above.

---

#### 5 **Manual reset hole**

If your LED projector is unresponsive, insert a straightened paper clip into this hole to turn off your LED projector, then press the power button to turn on your LED projector again.

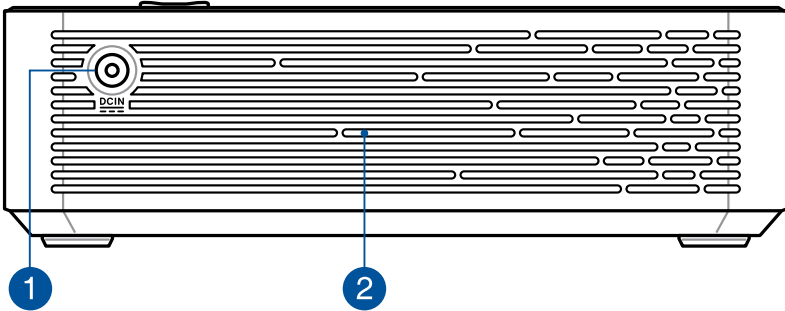
#### 6 **Remote sensor**

The remote sensor detects signal from your LED projector's remote control, allowing you to access the LED projector's control panel from a distance of up to 8 meters and a receiving angle of  $\pm 30$  degrees.

#### 7 **Power button**

Press this power button to turn on or turn off your LED projector.

## Left side



### 1 Power (DC) input port

Insert the bundled power adapter into this port to charge the battery pack and supply power to your LED projector.

---

**IMPORTANT!** Use only the bundled power adapter to charge the battery pack and supply power to your LED projector.

---

**WARNING!** The adapter may become warm to hot while in use. DO NOT cover the adapter and keep it away from your body while it is connected to a power source.

---

### 2 Air vents

The air vents allow cool air to enter and warm air to exit your LED projector.

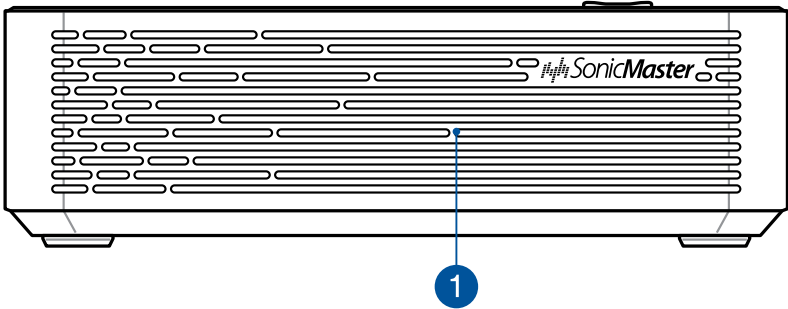
---

**WARNING!** Ensure that paper, books, clothing, cables, or other objects do not block any of the air vents or else overheating may occur.

---



## Right side



### 1 Air vents

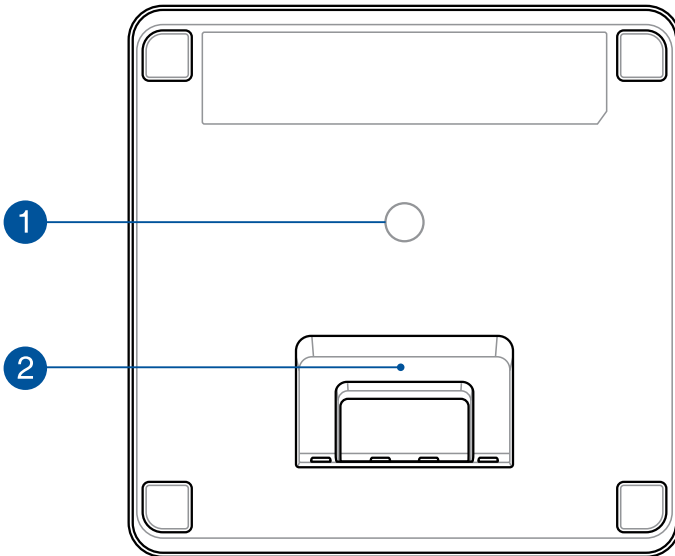
The air vents allow cool air to enter and warm air to exit your LED projector.

---

**WARNING!** Ensure that paper, books, clothing, cables, or other objects do not block any of the air vents or else overheating may occur.

---

## Bottom view



### 1 Tripod socket

Connect the LED projector to a tripod using this socket.

### 2 Built-in stand

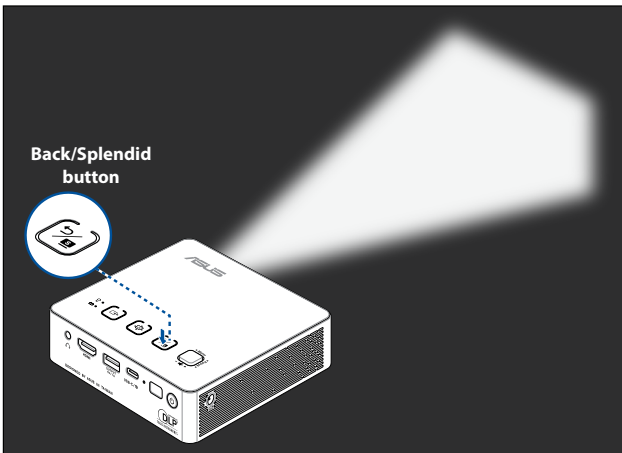
This LED projector comes with a built-in stand that allows you to adjust the height of the projector by either 4.5 degrees or 9.7 degrees.

## Extended features



Your LED projector also have stand-alone features that are launched by pressing the **Back/Splendid** button while your LED projector is on battery mode.

### Flashlight

The LED projector flashes a steady white light when you use this feature.



To use your LED projector as a flashlight:

1. Disconnect all peripherals from your LED projector then press the power button to turn it on.
2. Press  on the control panel of your LED projector to launch the **NO SIGNAL** display.
3. Press  repeatedly until the LED projector flashes a steady white light.

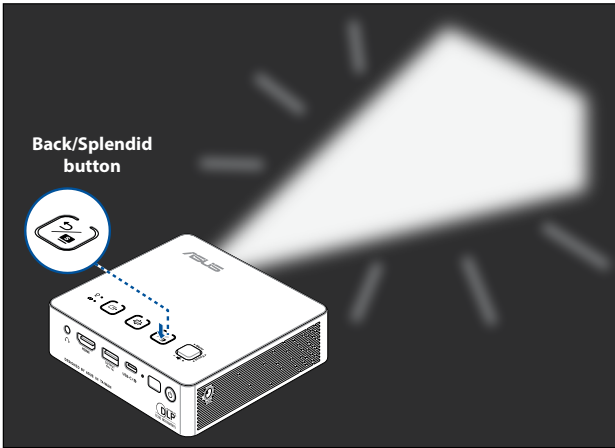
---

**IMPORTANT!** Ensure that your LED projector is charged and can run on battery mode before enabling this feature. Battery time varies depending on usage.



---

## Emergency light mode

The LED projector flashes a blinking white light when you use this feature.



To use your LED projector as a flashlight:

1. Disconnect all peripherals from your LED projector then press the power button to turn it on.
2. Press  on the control panel of your LED projector to launch the **NO SIGNAL** display.
3. Press  repeatedly until the LED projector flashes a blinking white light.

---

**IMPORTANT!** Ensure that your LED projector is charged and can run on battery mode before enabling this feature. Battery time varies depending on usage.

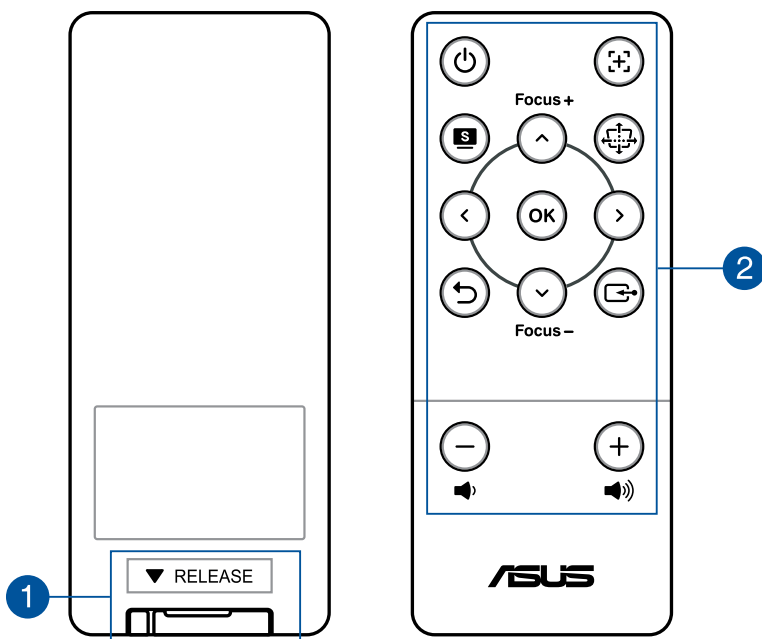
---

**NOTE:** To turn off or switch between the flashlight and emergency light feature of your LED projector, just press the **Back/Splendid** button until your preferred lighting feature is disabled or enabled.

---

# LED projector remote control

**NOTE:** Actual appearance may vary depending on model.



## 1 Battery compartment

The battery compartment allows you to use CR2025 lithium coin batteries to power your LED projector's remote control.

**NOTE:** For more details on using the battery compartment, refer to the *Replacing the battery* section in this manual.

## 2 Remote control buttons

These additional buttons allow you to use the LED projector from a distance of up to 8 meters.



**Power** - Press this button to turn your LED projector on or off.



**Auto focus** - Press this button to automatically focus the image.



**Back** - Press this button to go back to the previous screen.



**Keystone** - Press this button to adjust the keystone of your projection onscreen.



**Input** - Press this button to change the input source.



**Volume down** - Press this button to decrease the volume.



**Volume up** - Press this button to increase the volume.



**Focus up/Up** - Press this button to increase the focus or move up.



**Focus down/Down** - Press this button to decrease the focus or move down.



**Left** - Press this button to move left.



**Right** - Press this button to move right.



**Menu/OK** - Press this button to launch the menu or confirm a menu selection.

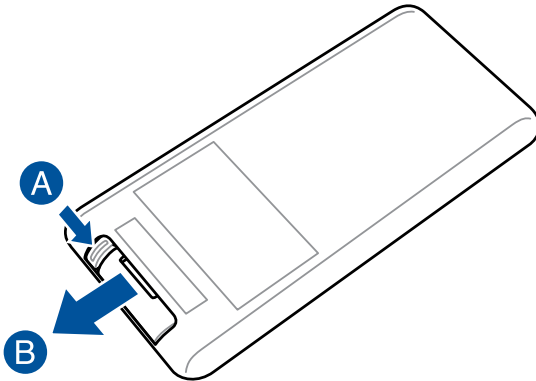
---

**NOTE:** For more details on the onscreen display menu, refer to the *Using the onscreen display menu* section in this manual.

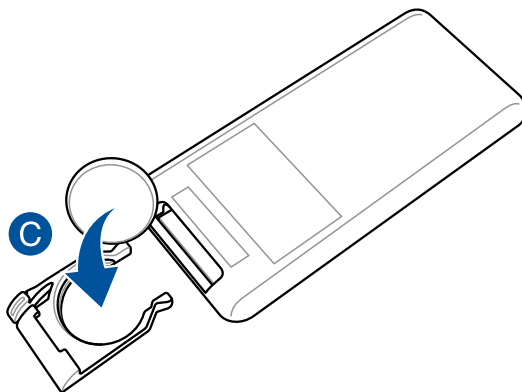
---

## Replacing the battery

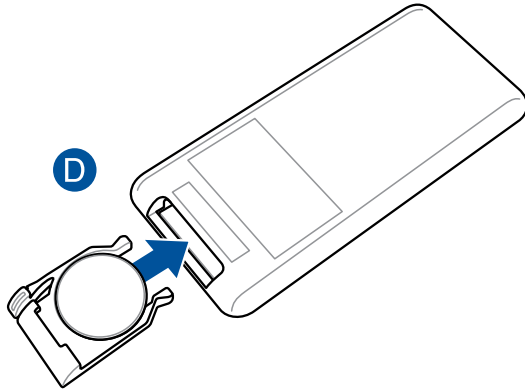
- A. Move the battery compartment's latch to the right to unlock the battery holder.
- B. Pull down the battery holder and remove it completely out of the battery compartment.



- C. Remove the old battery, then insert the new CR2025 lithium coin battery into the battery holder with the positive side (+) facing up.



- D. Slide the battery holder back into the battery compartment. Push it all the way in until you hear a soft click, indicating that the battery compartment is locked back in place.





## *Chapter 2:* **Setting up**

## Operating your LED projector

This portable LED projector allows you to plug and play your devices so you can easily open multimedia files and hear audio straight from its built-in SonicMaster speakers.

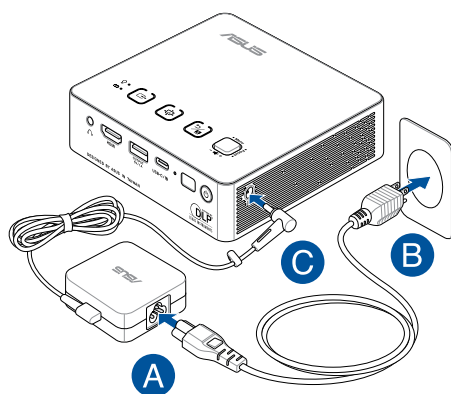
For your safety and to maintain the quality of this unit, refer to the following steps when operating your LED projector.

### Connect the LED projector to the power adapter

- A. Connect the AC/DC power cord to the power adapter.
- B. Connect the AC power cord to a power source.
- C. Connect the DC power connector to your LED projector.

#### Power adapter information:

- Input voltage: 100-240Vac
- Input frequency: 50-60Hz
- Rating output current: 3.42A max. (65W)
- Rating output voltage: 19V



---

**IMPORTANT!**

- Use only the bundled power adapter to charge the battery pack and supply power to your LED projector.
  - Ensure that your LED projector is connected to the power adapter before turning it on for the first time. We strongly recommend that you use a grounded wall socket while using your LED projector on power adapter mode.
  - The socket outlet must be easily accessible and near your LED projector.
  - To disconnect your LED projector from its main power supply, unplug your LED projector from the power socket.
- 

---

**WARNING!**

Read the following precautions for your LED projector's battery.

- The battery used in this device may present a risk of fire or chemical burn if removed or disassembled.
  - Follow the warning labels for your personal safety.
  - Risk of explosion if battery is replaced by an incorrect type.
  - Do not dispose of in fire.
  - Never attempt to short-circuit your LED projector's battery.
  - Never attempt to disassemble and reassemble the battery.
  - Discontinue usage if leakage is found.
  - The battery and its components must be recycled or disposed of properly.
  - Keep the battery and other small components away from children.
-

## AC power cord requirements

Use the correct AC plug type according to your current location.

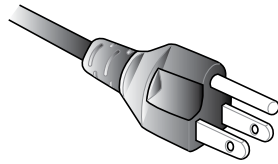
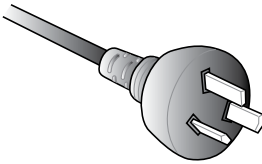
---

**IMPORTANT!** Contact your sales dealer if the AC power cord bundled with your LED projector does not match your local power source.

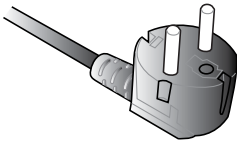
---

**NOTE:** We highly recommend that you use a video source device that also uses a grounding type plug to prevent signal interference due to voltage fluctuations.

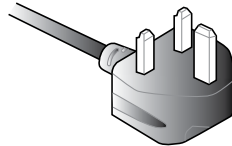
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For Australia and Mainland China    For U.S.A., Canada, and Taiwan



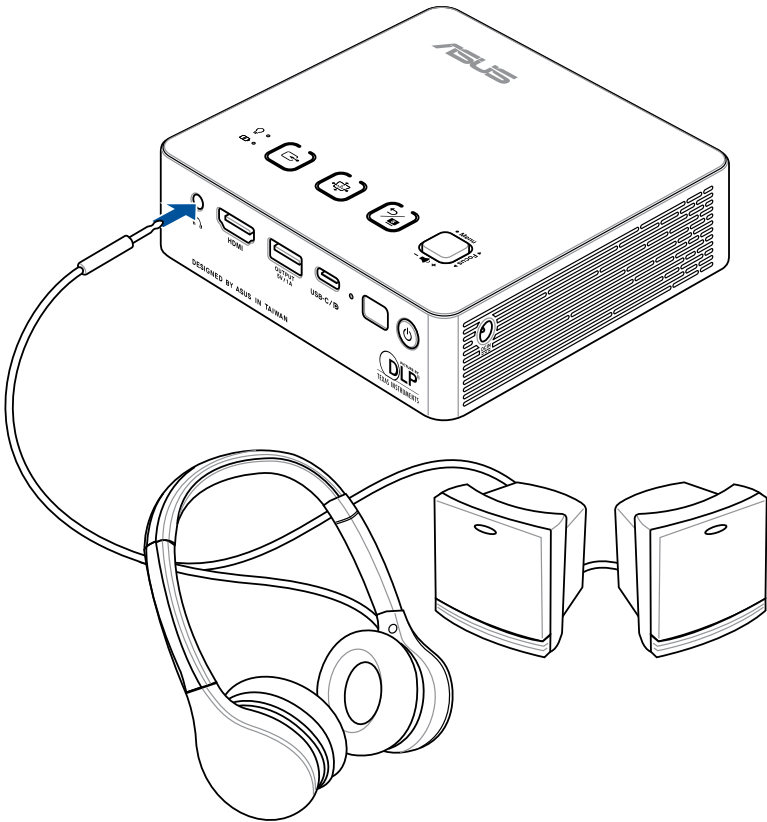
For Continental Europe



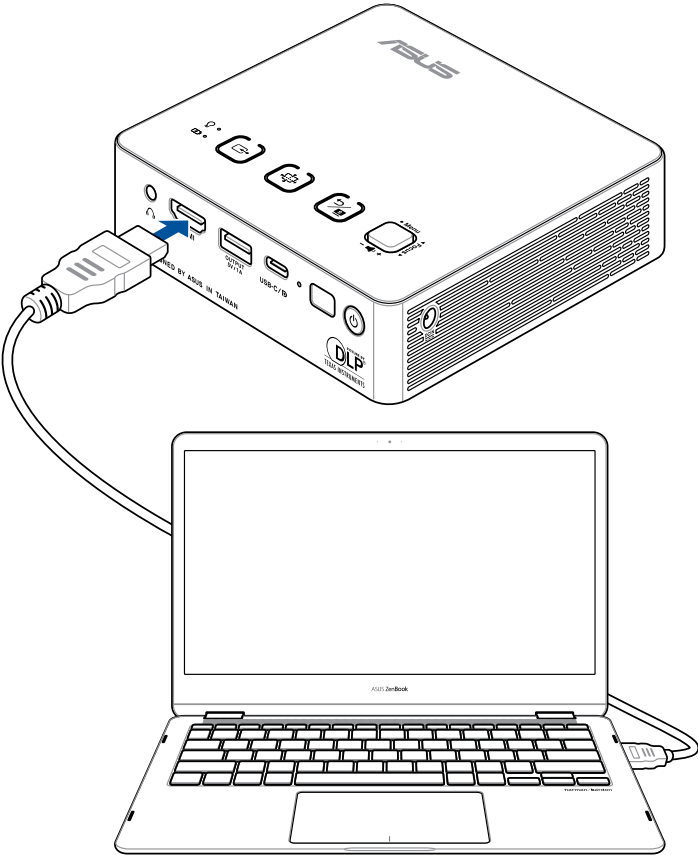
For U.K.

## Connect the LED projector to your device

### A. Audio output jack

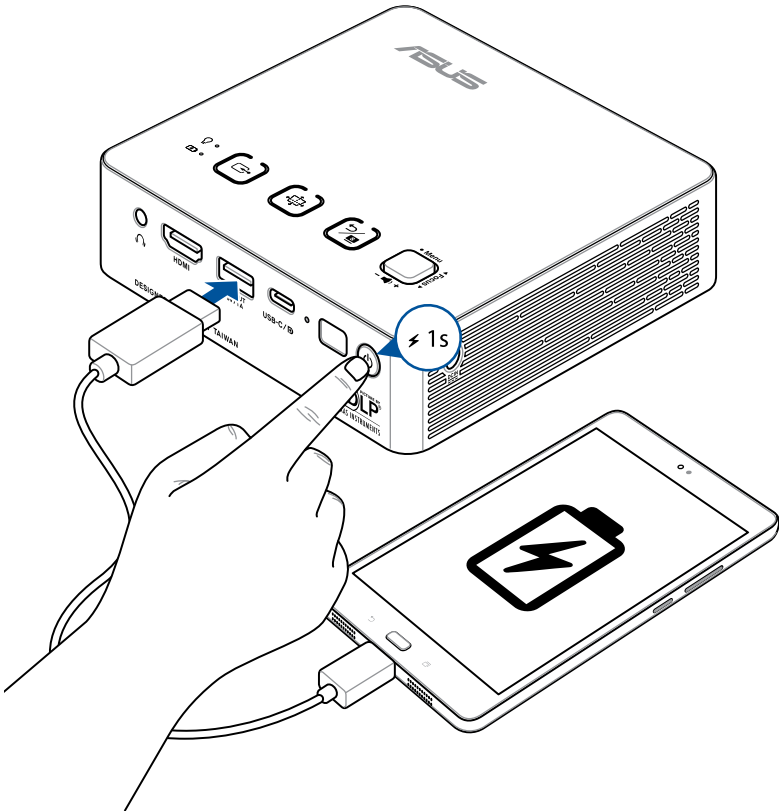


B. HDMI input

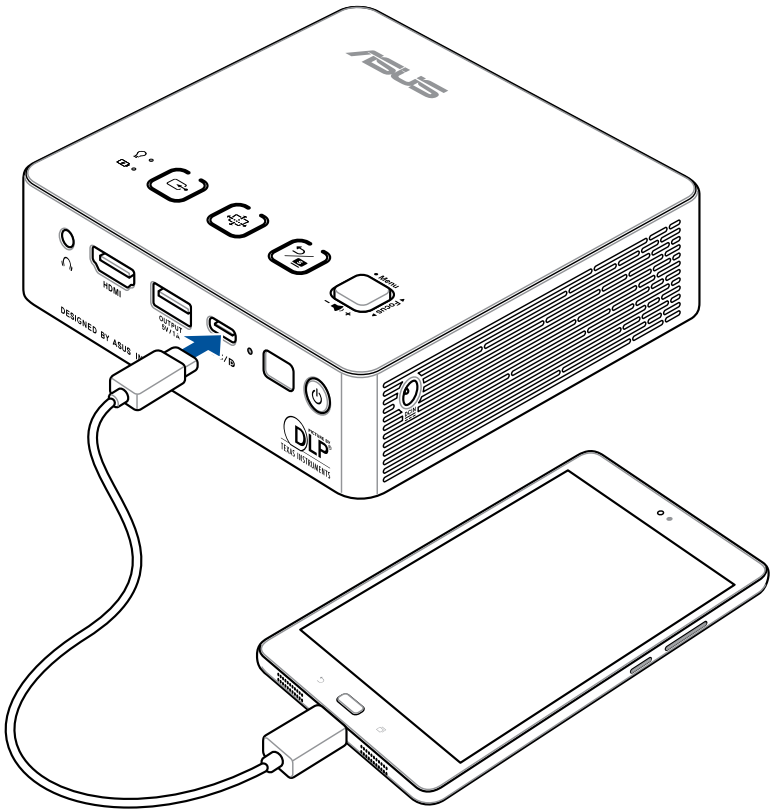


### C. Power output (5V/1A)

**NOTE:** The power output port is available when using the LED projector in battery mode or charging mode.



D. USB 3.1 Gen 2 Type-C™ DisplayPort input



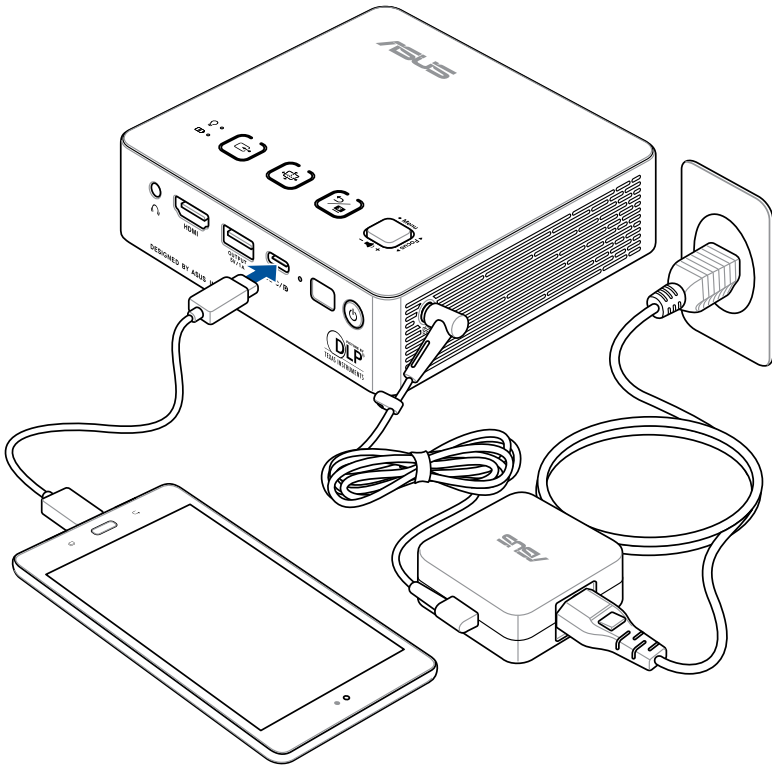


E. USB 3.1 Gen 2 Type-C™ Power Delivery output (5V/1.5A)

---

**NOTE:** The Power Delivery output port is only available when using the LED projector in charging mode.

---



## Adjust the height of the LED projector

Your LED projector comes with a built-in stand that helps adjust the image height onscreen.

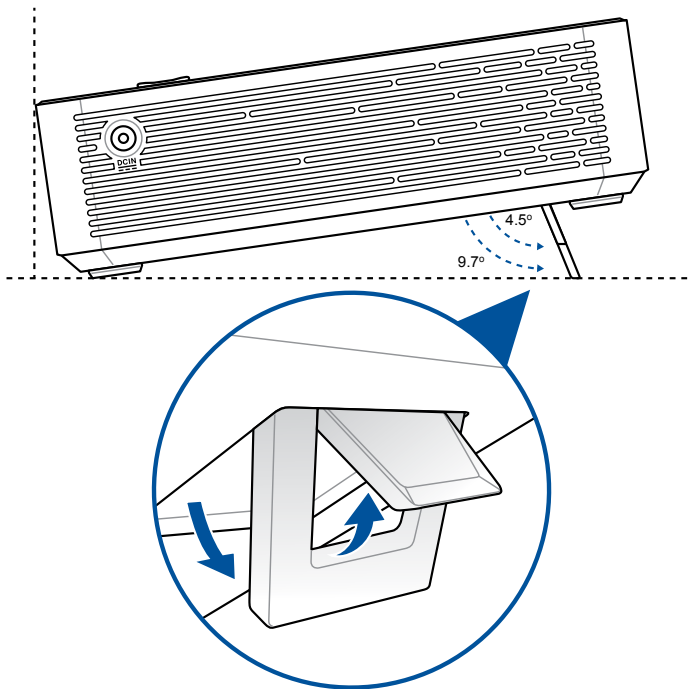
---

**WARNING!** Ensure that the built-in stand is fully retracted before placing the LED projector inside the projector bag.

---

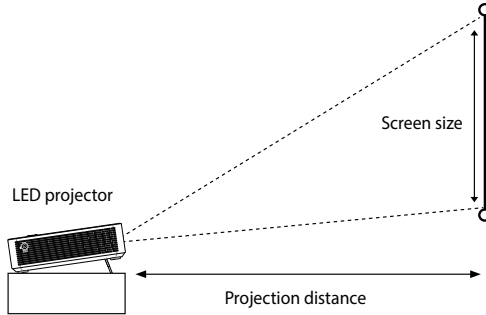
**NOTE:**

- Place the LED projector on a stable flat surface.
  - Keep a space of 30 cm or more between the sides of the LED projector.
  - Consult your dealer for special installation procedures like suspending the LED projector from the ceiling.
- 



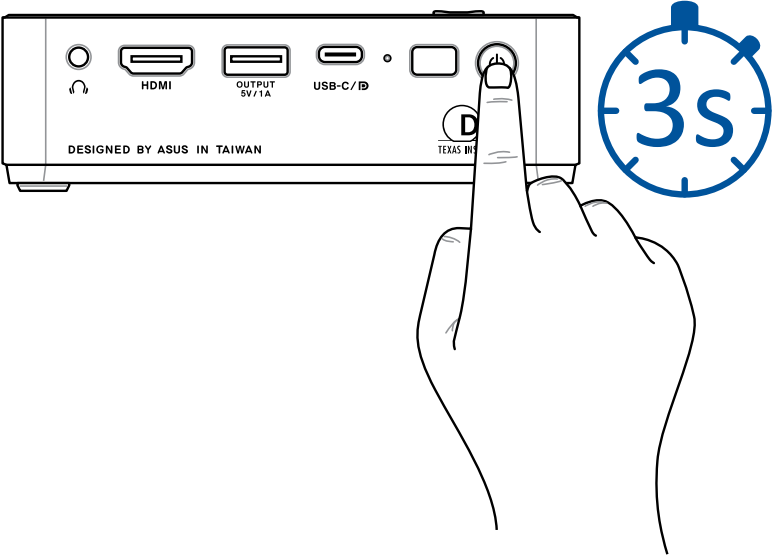
## Screen size and projection distance table

Adjust the LED projector's distance from the screen using the table below.



Screen Size						Projection Distance	
Screen Diagonal		Horizontal		Vertical			
inch	mm	inch	mm	inch	mm	inch	mm
60	1524	52.28	1328	29.41	747	59.06	1500
70	1778	61.02	1550	34.33	872	68.90	1750
80	2032	69.72	1771	39.21	996	78.74	2000
90	2286	78.43	1992	44.13	1121	88.58	2250
100	2540	87.17	2214	49.02	1245	98.43	2500
110	2794	95.87	2435	53.94	1370	108.27	2750
120	3048	104.61	2657	58.82	1494	118.11	3000

# Press the power button



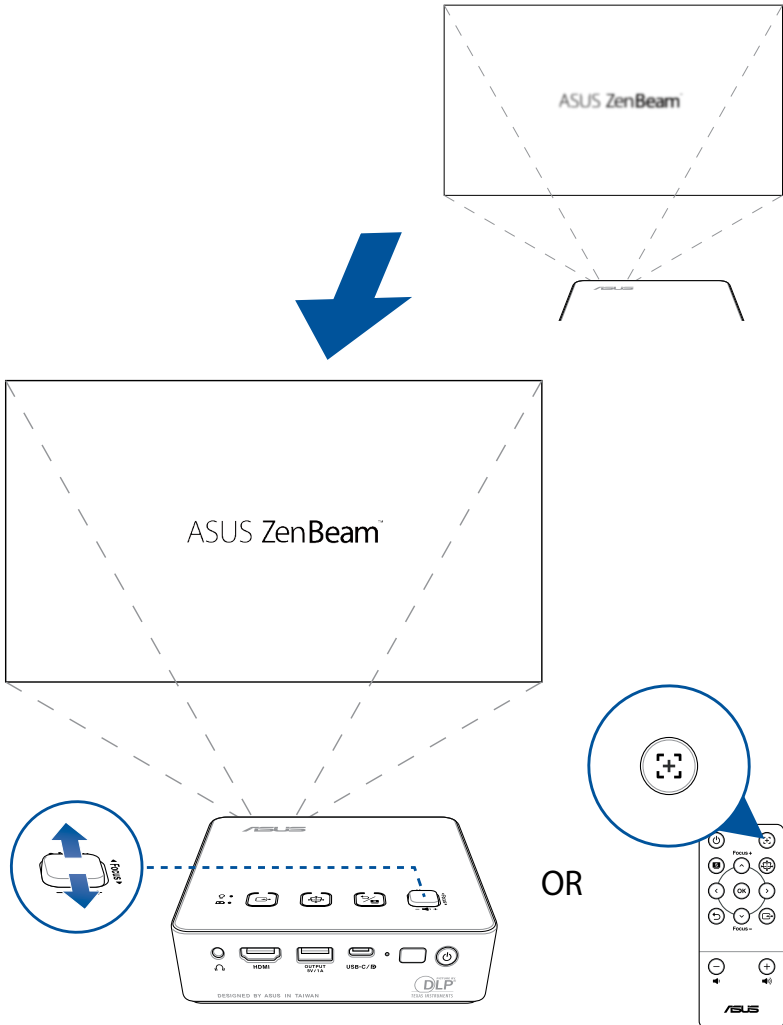
## Adjust the image focus

Push the focus button on the LED projector up or down, or press the focus button on the remote control to adjust the image focus.

---

**NOTE:** Use a still image when adjusting the onscreen display.

---





**Chapter 3:**  
***Using the onscreen  
display menu***

---

**NOTE:** The following screenshots are for reference only and may be updated without prior notice. Screenshots may also vary depending on the LED projector model.

---

## Using your LED projector for the first time

Refer to the following steps when using your LED projector for the first time.

---

**NOTE:** Ensure that your LED projector is connected to the power adapter before turning it on for the first time. We strongly recommend that you use a grounded wall socket while using your LED projector on power adapter mode.

---

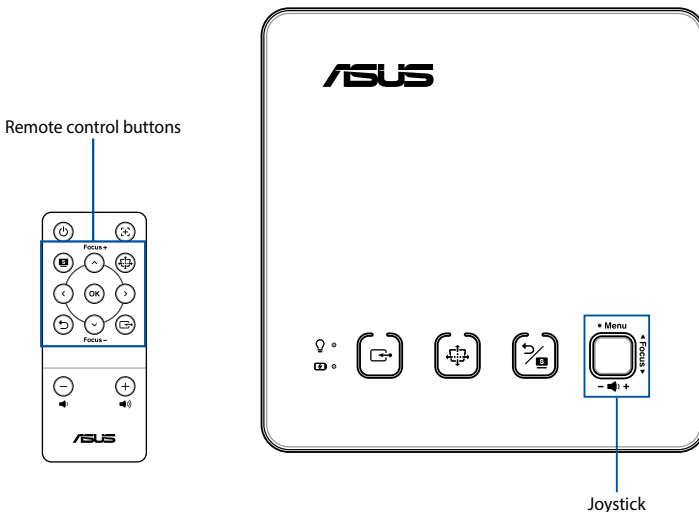
1. Set up your LED projector then press the power button.
2. Move the joystick left or right on your LED projector (or press the **Left** or **Right** button on your remote control) to browse through the available language options.
3. After you have chosen your preferred language, press the center of the joystick (or press the **Menu/OK** button on your remote control) to set this language for use on your LED projector.
4. You may now start using your LED projector to display files from your input device. The **NO SIGNAL** screen may appear if no input device is connected or cannot be detected by the LED projector.



# Adjusting your LED projector's settings

To adjust your LED projector settings:

1. Press the center of the joystick on your LED projector (or press the **Menu/OK** button on your remote control) to launch the onscreen display menu.
2. Move the joystick up or down (or press the **Focus up/Up** or **Focus down/Down** button on your remote control) to select the menu option you would like to adjust.
3. Press the center of the joystick (or press the **Menu/OK** button on your remote control) to open the selected option's settings.
4. Move the joystick left or right (or press the **Left** or **Right** button on your remote control) to adjust the settings according to your preference.
5. When finished, press the center of the joystick or press the **Menu/OK** button on your remote control) to save the new settings and go back to the home screen.



# Onscreen display menu options

## Image

The options under this menu allows you to adjust image options to fine tune your image projection onscreen.



- **Splendid** - This option allows you to select a Splendid mode for your LED projector.
- **Brightness** - Select this menu option to adjust the brightness of your projection onscreen.
- **Contrast** - Select this menu option to adjust the contrast of your projection onscreen.
- **Saturation** - Select this menu option to adjust the saturation of your projection onscreen.
- **Sharpness** - Select this menu option to adjust the sharpness of your projection onscreen.
- **Tint** - Select this menu option to adjust the tint of your projection onscreen.
- **Wall Color** - This option allows you to choose a proper color according to the wall.
- **Gamma** - Select this menu option to adjust the gamma of your projection onscreen.

## Display

The options under this menu allows you to adjust how the image projection will be displayed.



- **Auto Focus** - This option allows you to turn Auto Focus on or off.
- **Projection Position** - This option allows you to change the way your projections are oriented onscreen based from the current location of your LED projector.
- **Auto Ceiling Detection** - This option allows you to turn Auto Ceiling detection on or off.
- **Keystone** - Select this menu option to adjust the keystone of your projection onscreen.
- **Quick Corner** - Select this menu option to adjust the corners of your projection onscreen.
- **Aspect Ratio** - Select this menu option to adjust the screen ratio of your projection onscreen.
- **Digital Zoom** - This option allows you to zoom in, zoom out, and pan your projection onscreen.

## Input

The options under this menu allows you to select the input source for your LED projector.



- **Auto Source** - This option allows you to turn Auto Source on or off. Turn this option on to scan the connected devices to your LED projector automatically.
- **HDMI** - Select this menu option to project images from the HDMI port.
- **USB-A** - Select this menu option to charge your mobile device connected to the USB Type-A power output port.
- **USB-C** - Select this menu option to project images from the USB 3.1 Gen 2 Type-C™ DisplayPort/Power Delivery combo port.
- **Wireless Mirroring** - Select this menu option to wirelessly project images from a supported Android or Windows® 10 device.

## System

The options under this menu allows you to configure system settings for your LED projector.



- **OSD Timeout** - This option allows you to set the number of seconds before the onscreen display menu disappears from your projection screen.
- **Sound** - This option allows you to adjust the projector sound settings.
- **Power Off Timeout** - This option allows you to set the number of minutes before your LED projector automatically shuts down when not in use.
- **Language** - This option allows you to select the language to use on your LED projector's onscreen display menu.
- **Information** - Select this menu option to see an overview of information about your LED projector.
- **Reset all** - This option allows you to reset all the settings you have currently set up for your LED projector.
- **System Update** - This option allows you to update the LED projector's firmware.

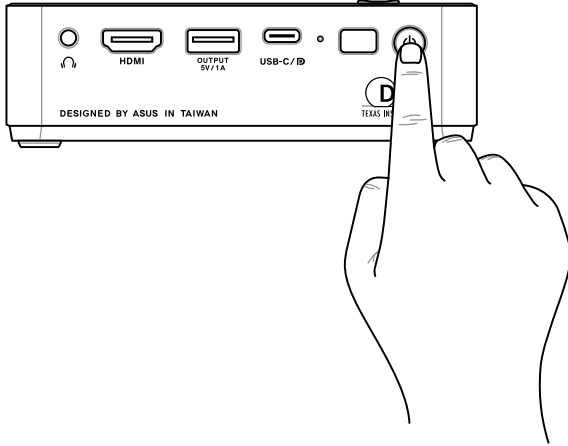
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**NOTE:** For the latest firmware and more information, visit <https://www.asus.com/Projectors/ASUS-ZenBeam-S2/>

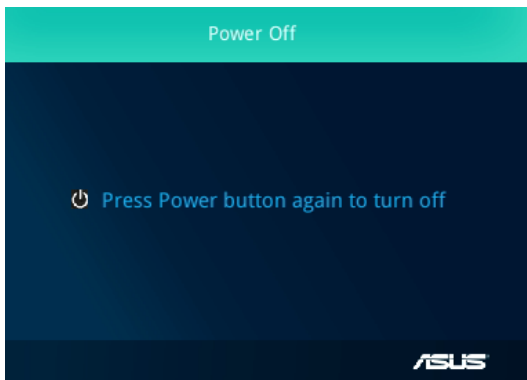
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# Turning off your LED projector

1. Press the power button.



2. When the following screen appears, press the power button again to completely turn off your LED projector.



## Multi-language versions

Download other language versions of this E-Manual via this website:

**<https://www.asus.com/support>**





# *Appendices*

## Federal Communications Commission 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 Federal Communications Commission (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 distance between the equipment and receiver.
- Connect the equipment to an outlet on a different circuit than that which the receiver is connected to.
- Consult the dealer or an experienced radio/TV technician for help.

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 that may cause undesired operation.

## **Compliance Statement of Innovation, Science and Economic Development Canada (ISED)**

This device complies with Innovation, Science and Economic Development Canada licence exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CAN ICES-3(B)/NMB-3(B)

## **Déclaration de conformité de Innovation, Sciences et Développement économique Canada (ISED)**

Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAN ICES-3(B)/NMB-3(B)

## **Regional notice for California**



### **WARNING**

Cancer and Reproductive Harm -  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## **Global Environmental Regulation Compliance and Declaration**

ASUS follows the green design concept to design and manufacture our products, and makes sure that each stage of the product life cycle of ASUS product is in line with global environmental regulations. In addition, ASUS disclose the relevant information based on regulation requirements.

Please refer to <http://csr.asus.com/english/Compliance.htm> for information disclosure based on regulation requirements ASUS is complied with:

### **Japan JIS-C-0950 Material Declarations**

### **EU REACH SVHC**

### **Korea RoHS**

## **ASUS Recycling/Takeback Services**

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to be able to responsibly recycle our products, batteries, other components as well as the packaging materials. Please go to <http://csr.asus.com/english/Takeback.htm> for detailed recycling information in different regions.

## Specifications for S2 series LED projector

		S2
<b>Display</b>	Display Technology	0.3" DLP®
	Light Source	R/G/B LED
	Light Source Life	30,000 hours (Max)
	True Resolution (native)	HD 720p (1280 x 720)
	Light Output (Max)	500 Lumens
	Contrast Ratio	400:1 (typical) 4,000:1 (DCR)
	Color Saturation (NTSC)	24:00:00
	Display Colors	16.7 Million Colors
<b>Projection Lens</b>	Throw Ratio	1.12:1 (40" @ 1m) (@16:9)
	Projection Distance / Size	1.5m ~ 3m
	Projection Offset	60" ~ 120"
	Zoom Ratio	Fixed
	Focus	Power Focus
<b>Video Features</b>	Picture Modes	4 modes (Presentation / Standard / Theater / Eco)
	Additional Modes	2 modes ( Flash light / SOS)
	Keystone adjustment	2D(H/V) keystone correction
	Auto Keystone	Yes (Vertical)
	Aspect Ratio	16:9 / 16:10 / 4:3
	Projector Placement	Front Table, Rear Table, Rear ceiling, Front ceiling
<b>Audio Features</b>	Built-in speakers	Yes, 2W speaker (ASUS SonicMaster Audio technology)

*(continued on the next page)*

		S2
<b>Signal Frequency</b>	Digital Signal Frequency	37.8 ~ 79.9 KHz(H) / 50 ~ 60 Hz(V)
<b>Power</b>	Power On Mode	≤65 W
	Standby Mode	<0.5 W
<b>Noise</b>		Standard mode ≤32dB
<b>Interface</b>	Signal Input	USB-C (DP Alt Mode), HDMI
	Audio Output	Earphone out (3.5mm Mini-jack)
	USB Port	Type-A 2.0 x 1 (5V/1A Power output)
	Wireless Projection	Yes (Android, Windows® 10)
<b>Mechanical Design</b>	Chassis Colors	Navy Blue / Ceramic White
	Tripod Socket	Yes
	Stand	(Two steps)
	Ceiling Mount	Yes
<b>Dimension</b>	Physical Dimension	120(W)x120(D)x35(H)mm
	Box Dimension	224(W)x190(D)x142(H)mm
<b>Weight</b>	Net Weight (Esti.)	497g
	Gross Weight (Esti.)	1500g
<b>Operating Temperature</b>		0 ~ 40°C
<b>Operating Humidity</b>		20 ~ 90%
<b>Accessories</b>		Carrying bag, HDMI Cable, Adapter, Power Cord, Remote Control, QSG, Warranty Card

- \* Specifications are subject to change without prior notice.
- \*\* Product availability may vary by region.
- \*\*\* All brand and product names mentioned are trademarks of their respective companies.

## Support PC Timings

### HDMI (PC)

Resolution	Mode	Refresh rate (Hz)	H-frequency (kHz)	Clock (MHz)
800 x 600	SVGA_60	60.317	37.879	40
	SVGA_75	75	46.875	49.5
1024 x 768	XGA_60	60.004	48.363	65
	XGA_75	75.029	60.023	78.75
1280 x 768	1280 x 768_60	59.87	47.776	79.5
1280 x 800	WXGA_60	59.81	49.702	83.5
1280 x 1024	SXGA_60	60.02	63.981	108
	SXGA_75	75.025	79.976	135
1280 x 960	1280 x 960_60	60	60	108
1440 x 900	WXGA+_60	59.887	55.935	106.5
1400X1050	SXGA+_60	59.978	65.317	121.75
1024x768@75Hz	MAC19	74.93	60.241	80
1366x768	HD_60	59.79	47.71	85.50
1680x1050	WSXGA+_60	59.95	62.29	148.50

### HDMI (Video)

Timing	Resolution	Vertical frequency (Hz)	H-frequency (kHz)	Dot Clock frequency (MHz)
720/50p	1280 x 720	50	37.5	74.25
720/60p	1280 x 720	60	45	74.25
1080/50P	1920 x 1080	50	56.25	148.5
1080/60P	1920 x 1080	60	67.5	148.5
1080/24P	1920 x 1080	24		

