



# EPSON EF21 Series Portable Smart Laser Projector User Guide

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## EPSON EF21 Series Portable Smart Laser Projector

### USER GUIDE

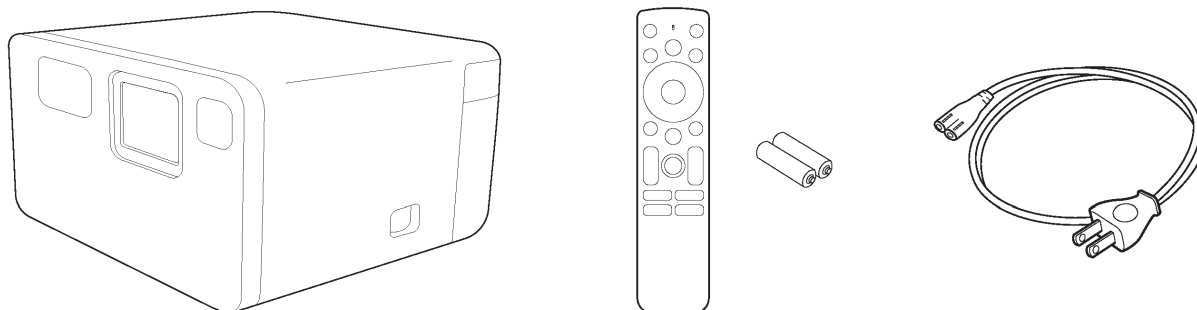
Before using the projector, make sure you read these instructions and the safety instructions in the online User's

Guide.

Note: Some product features may not be available in all regions.

## Contents

Make sure your projector box includes all of these parts:



You can place the projector on almost any flat surface. See the online User's Guide for more information.

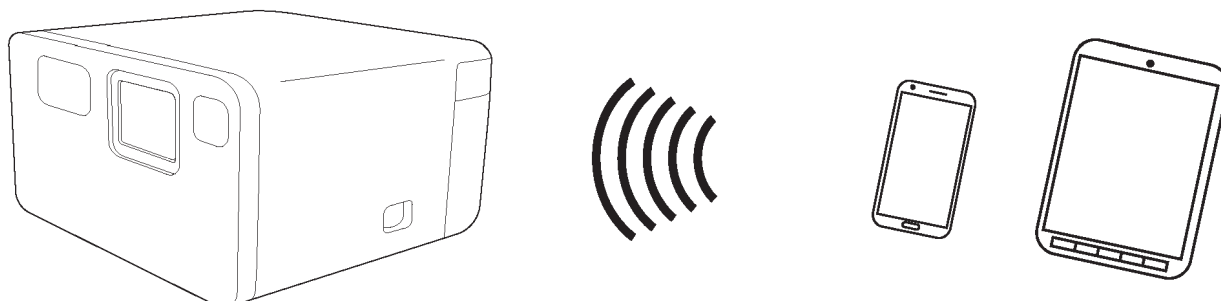
## Connect the projector

### Google TV™

Your projector includes built-in Google TV with apps that can be launched when the remote control is paired to the projector. To stream content, make sure you have a wireless Internet connection and an active streaming account, and enter your login information as necessary for each app.

### Google Cast™

You can stream content from supported devices using Google Cast. See the online User's Guide for details.



### Google™ Search

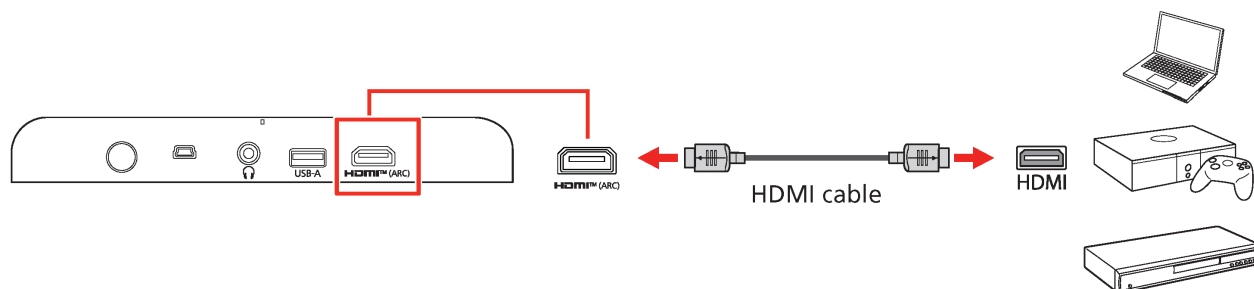
You can send voice commands to the projector using the remote control or a Google Home™ speaker. See the online User's Guide for details.

**Note:** This feature may not be available in all regions.

## Video device or computer

You can connect video equipment or a computer. Connect one end of an HDMI cable to the projector's HDMI™ (ARC) port and the other end to an HDMI port on your video device or computer. See the online User's Guide for details.

**Caution:** Do not turn on the video source before connecting it to the projector; you may damage the projector.



## Connect audio

### Built-in speakers

The projector has built-in speakers that can play audio from the video source you are viewing.

You can also use the projector's speakers to play sound from a device connected via Bluetooth®. Press the

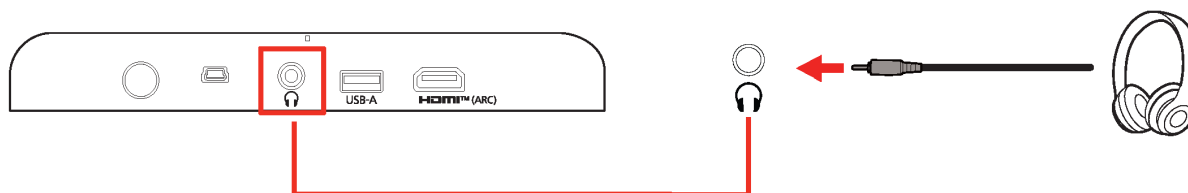


button on the remote control then select

Bluetooth Speaker Mode. Enable the setting, then select the projector from your device. See the online User's Guide for details.

### Headphones

You can connect the projector to headphones through the audio out port.

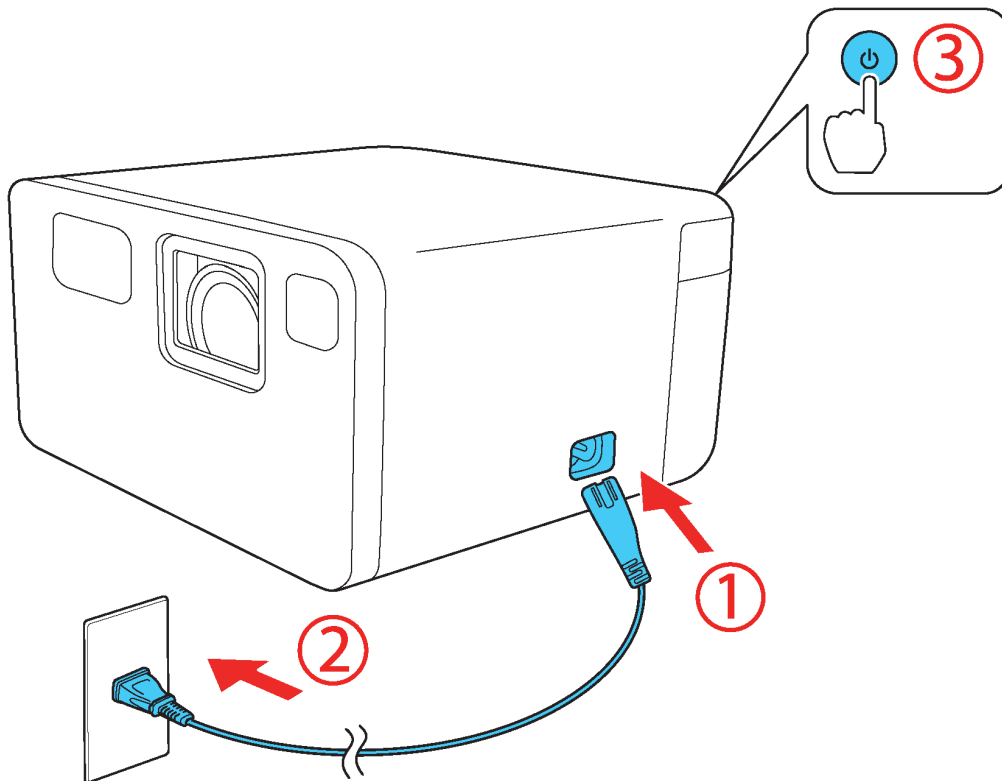


Note: Connecting headphones disables the projector's internal speaker. If you do not hear sound from an HDMI source, set the connected device to PCM output.

## Turn on your projector

Note: If you are projecting from an external video device or computer, make sure it is connected to the projector first.

1. Plug in the projector, then press the power button on the projector or remote control. The status light flashes blue while the projector warms up and then stays on.

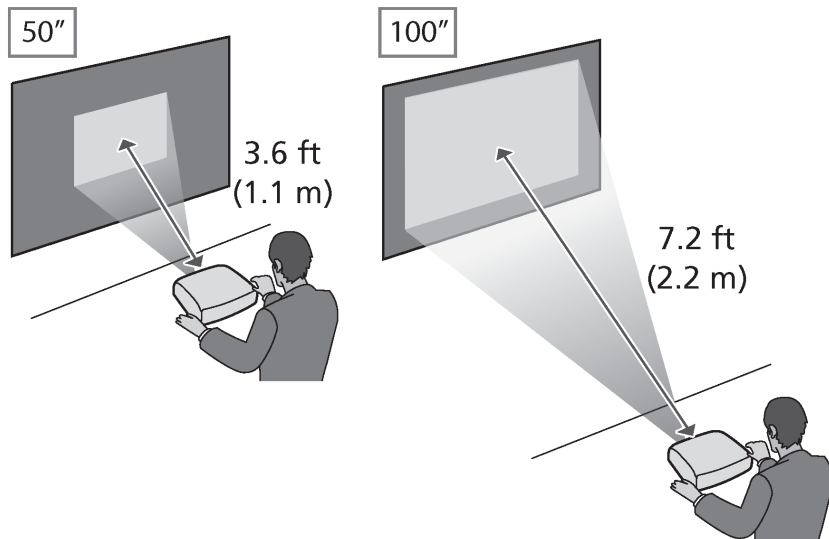


2. Follow the on-screen instructions to pair the remote control and projector, select your language, connect to your wireless network, and sign in to your Google Account.

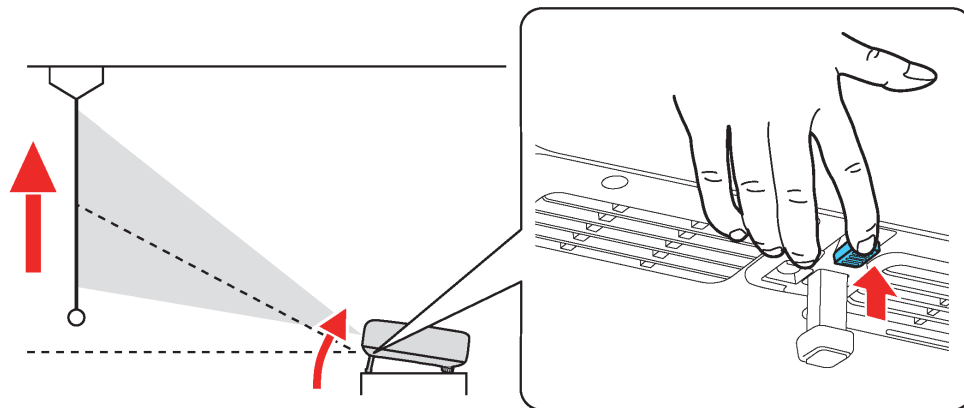
**Note:** To shut down the projector, press the power button

## Adjust the image

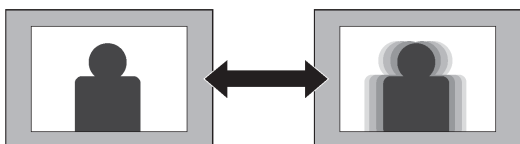
1. To reduce or enlarge the image, move the projector closer to or farther away from the screen or use the digital zoom feature. See the online User's Guide for details.



2. To adjust the image height, press and hold the foot release lever on the bottom of the projector to extend the front adjustable foot. Release the lever to lock the foot in the desired position.




3. Your projector automatically focuses the image, but if necessary press the button on the remote control to improve the appearance. Press up and down on the directional pad on the remote control to adjust the focus setting.



4. Your projector automatically adjusts an image between 30" and 100" measured diagonally that looks like

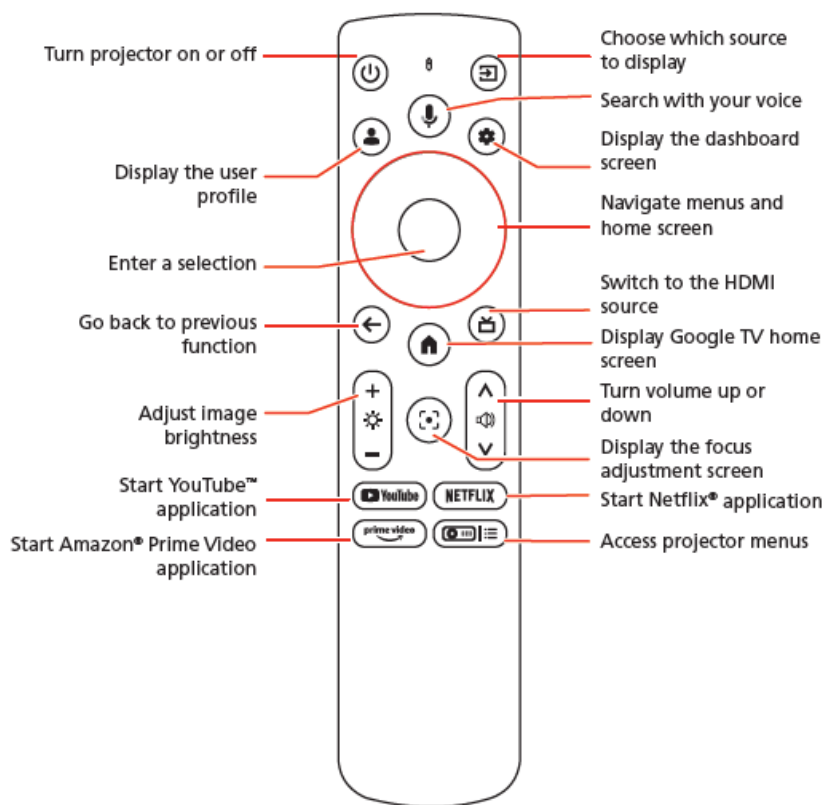
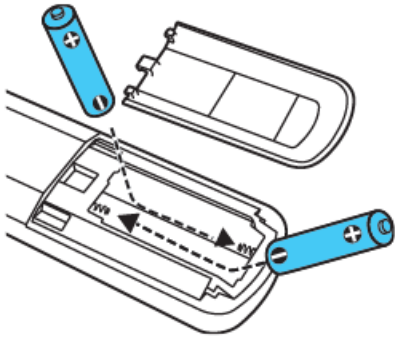


. To manually adjust the image, press the  button on the remote control and select Image Correction > Manual Keystone Correction. Use the directional pad to adjust the image shape.

Note: For more adjustment methods, see the online User's Guide.

## Using the remote control

Install the provided batteries as shown below.



Note: You must pair the remote control to the projector to use Google TV and video-on-demand features. See the online User's Guide for more information.

## Troubleshooting

- If you see a blank screen, check the following:
- Make sure your computer or video device is properly connected.
- Make sure the status light on the projector is blue and not flashing.
- Press the power button on the projector or remote control to wake the projector from standby or sleep mode, if necessary.
- If you see a blank screen when a computer is connected, check the following:
- On Windows®, hold down the Windows key and press P at the same time, then click Duplicate.

- If you are using a Mac laptop with macOS 13 or newer, select System Settings > Displays. Select the projector, then choose the mirror option for your display from the Use as pop-up menu.  
On macOS 12, select System Preferences > Displays > Display Settings. Select the projector, then choose the mirror option for your display from the drop-down menu.  
On macOS 11 and older, open System Preferences and select Displays. Click the Arrangement tab and select the Mirror Displays checkbox.
- If the projector does not respond to remote control commands, make sure that the remote control is paired with the projector, and that the batteries in the remote control are installed correctly. Pair the remote control again and replace the batteries, if necessary.

## Registration

Scan the QR code to register for product updates and exclusive offers.



## Where to get help

### Manual

For more information about using the projector, you can view or download the online manual from the Epson website, as described below.

### Internet support

Visit <http://epson.com/support/ef21> (U.S.), <http://epson.ca/support/ef21> (Canada) or <http://latin.epson.com/support/ef21> (Latin America) to download software and utilities, view the manual, get FAQs and troubleshooting advice, or contact Epson.

### Telephone support services

To use the Epson® PrivateLine® Support service, call [800-637-7661](tel:800-637-7661). This service is available for the duration of your warranty period. You may also speak with a support specialist by calling [562-276-4394](tel:562-276-4394) (U.S.) or [905-709-3839](tel:905-709-3839) (Canada).

Support hours are 7 a.m. to 4 p.m., Pacific Time, Monday through Friday. Days and hours of support are subject to change without notice. Toll or long distance charges may apply.

In Latin America, see the online User's Guide for technical support information.

### Optional accessories

For a list of optional accessories, see the online User's Guide.

You can purchase screens or other accessories from an Epson authorized reseller.  
To find the nearest reseller, call 800-GO-EPSON ([800-463-7766](tel:800-463-7766)). Or you can purchase online at <http://epsonstore.com> (U.S. sales) or <http://epsonstore.ca> (Canadian sales).  
To find the nearest reseller in Latin America, go to <http://latin.epson.com>.

## Notices

### Supplier's Declaration of Conformity

According to 47CFR, Part 2 and 15, Class B Personal Computers and Peripherals; and/or CPU Boards and Power Supplies used with Class B Personal Computers.

We: Epson America, Inc.

Located at: 3131 Katella Ave, Los Alamitos, CA 90720  
Telephone: [562-981-3840](tel:562-981-3840)

Declare under sole responsibility that the product identified herein, complies with 47CFR Part 2 and 15 of the FCC rules as a Class B digital device. Each product marketed, is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on a statistical basis as required by 47CFR 2.906. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trade Name: Epson  
Type of Product: LCD Projector  
Model: HB35A  
Marketing Name: EF21

### Wireless LAN with Bluetooth Safety and Specifications

Contains wireless LAN with Bluetooth module model: CDW-N37663U-02  
Bluetooth remote controller model: B064E-02-W7  
This document provides safety instructions and describes the specifications. Read this document carefully before use to ensure your safety and product performance.  
This device is restricted to indoor operation only.  
Frequency range: CDW-N37663U-02: 2402-2480MHz, 5180-5320MHz, 5500-5700MHz, 5745-5825MHz  
B064E-02-W7: 2402-2480MHz

Data transmission is always initiated by software, which is then passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet.

Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinues transmission in case of either absence of information to transmit or operational failure.

U.S. FCC Notices  
Contains FCC ID: BKMAE-N37663U02  
FCC ID: BKMAE-B064E02W7

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including



interference that may cause undesired operation.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Caution:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. Properly shielded and grounded cables and connectors must be used for connection to host computers and/or peripherals in order to meet FCC emission limits.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 7.9 inches (20 cm) or more away from person's body (except for the Bluetooth remote controller model: B064E-02-W7).  
Innovation, Science and Economic Development Canada (ISED)

## Notices

Contains IC: 1052D-N37663U02  
IC: 1052D-B064E02W7  
CAN ICES (B)/NMB (B)

This device complies with Innovation, Science and Economic Development Canada (ISED)'s license-exempt RSSs. 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.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment should be installed and operated with a distance of at least 7.9 inches (20 cm) between the radiator and your body (except for the Bluetooth remote controller Model: B064E-02-W7).



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Netflix is a registered trademark of Netflix, Inc.

Windows is a trademark of the Microsoft group of companies



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## Specifications:

- Series: EF21
- Features: Built-in speakers, Google TV, Google Cast
- Connectivity: HDMI (ARC) port

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## FAQ:

**Q: How do I enable Bluetooth Speaker Mode?**

**A:** Press the button on the remote control, select Bluetooth Speaker Mode, enable the setting, and then select the projector from your device.


**Q: What should I do if I don't hear sound from an HDMI source?**

A: Set the connected device to PCM output. Connecting headphones will disable the internal speakers.

**Q: How do I shut down the projector?**

A: Press the power button to shut down the projector.

## Documents / Resources

	<a href="#">EPSON EF21 Series Portable Smart Laser Projector</a> [pdf] User Guide EF21 Series Portable Smart Laser Projector, EF21 Series, Portable Smart Laser Projector, Smart Laser Projector, Laser Projector, Projector
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## References

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