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Epson iProjection Operation Guide (Chromebook)

Contents

Contents

Notations Used in This Guide

Safety Symbols

The projector and its manuals use graphical symbols and labels to indicate content that tells you how to use the product safely.

Read and carefully follow the instructions that are marked with these symbols and labels to avoid injury to persons or damage to property.

⚠ **Warning**	This symbol indicates information that, if ignored, could possibly result in personal injury or even death.
⚠ **Caution**	This symbol indicates information that, if ignored, could possibly result in personal injury or physical damage due to incorrect handling.

General Information Notations

Attention	This label indicates procedures that may result in damage or injury if sufficient care is not taken.
📝	This label indicates additional information that may be useful to know.
[Button name]	Indicates the name of the buttons on the remote control or the control panel. Example: [Esc] button
Menu/Setting name	Indicates projector menu and setting names. Example: Select the **Image** menu ☛ **Image** > **Advanced**
▶▶	This label indicates links to the related pages.
☛	This label indicates the projector's current menu level.

▶▶ **Related Links**
- "Using the Manual to Search for Information" p.5

This document assumes that you have installed Epson iProjection from Google Play and have used it on your Chromebook.

The PDF manual allows you to search for information you are looking for by keyword, or jump directly to specific sections using the bookmarks. You can also print only the pages you need. This section explains how to use a PDF manual that has been opened in Google Chrome on your Chromebook.

⇢ Related Links
- "Searching by Keyword" p.5
- "Jumping Directly from Bookmarks" p.5
- "Printing Only the Pages You Need" p.5

Searching by Keyword

Hold down the **ctrl** key and press the **f** key on your keyboard at the same time. Enter the keyword (text) for the information you want to find in the search window. The number of hits is displayed, and then the hit parts are highlighted. Press the **enter** key to move the next hits part, or click the up or down arrow icons to move back and forth.
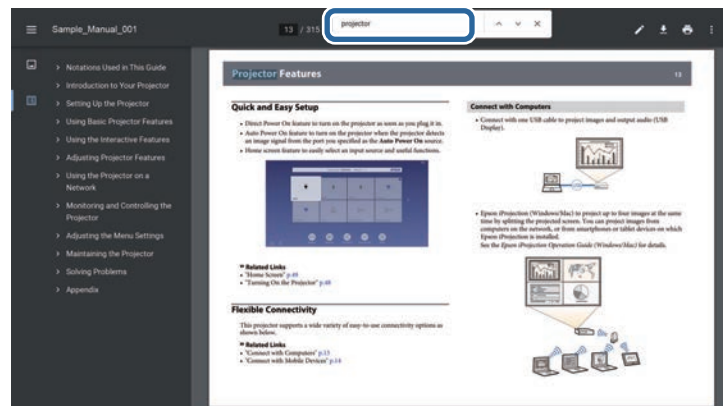
Jumping Directly from Bookmarks

Click the **Document outline** icon ⊞ to display the bookmarks of the document. Click a title to jump to that page. Click > to view the lower level titles in that section. To return to the previous page, press the less-than sign key < on your keyboard.
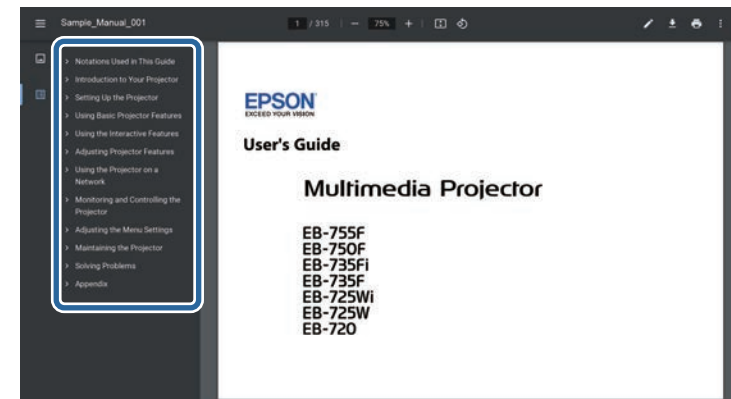
Printing Only the Pages You Need

Click the **Print** icon 🖶 on the browser, and then specify the pages you want to print by selecting **Custom** in **Pages**.

- To specify a series of pages, enter a hyphen between the start page and the end page.
  Example: 20-25
- To specify pages that are not in series, divide the pages with commas.

Example: 5, 10, 15

Print	XX pages
Destination	XXXXXX ▼
Pages	Custom ▼
	5, 10, 15, 20-25
Pages per sheet	1 ▼
Options	☐ Print as image

Introduction to the Epson iProjection App

See the information here to learn more about the Epson iProjection app.

▸ **Related Links**
- "Epson iProjection Features"

The Epson iProjection app is an application that allows you to hold interactive lessons by projecting images from network projectors. You can use a variety of display options for your environment.

❧ **Related Links**

- "Various Contents Projection" p.8
- "Four-Panel Display" p.8
- "Moderator Function" p.9
- "Image Sharing and Annotation" p.9

Various Contents Projection

You can easily project the computer's screen, PDF documents, and images wirelessly. You can also use your computer's built-in camera to project live video.
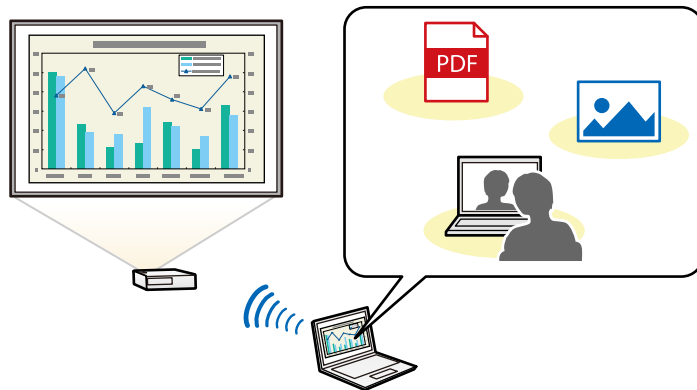
📝 You cannot transmit audio.

❧ **Related Links**

- "Projecting Your Device Screen (Screen Mirroring)" p.19
- "Projecting Your Photos" p.20
- "Projecting Your PDF Documents" p.22

- "Projecting the Images from Camera" p.24

Four-Panel Display

You can connect up to 50 devices such as computers, smartphones, and tablets to a projector simultaneously and display up to four screens in separate projected panels.

In an educational environment, you can project lesson material on one part of the screen and student answers on another to enhance the learning experience.
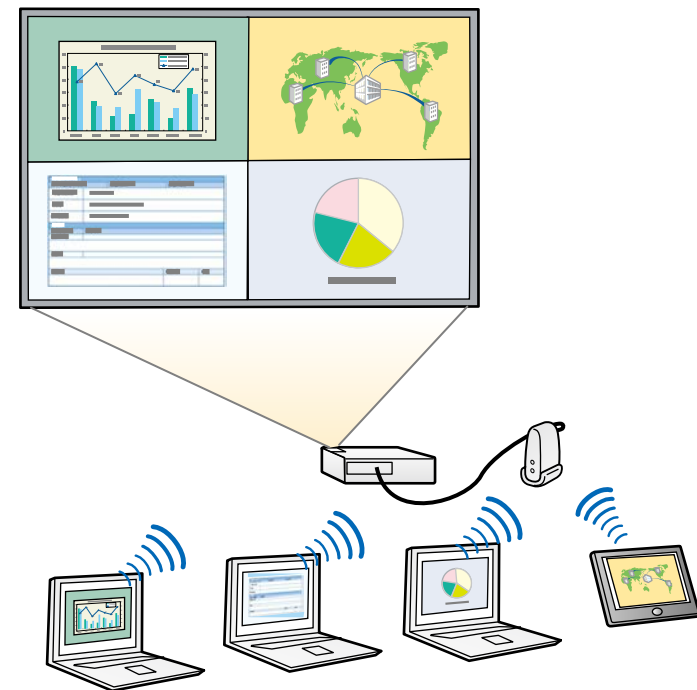
❧ **Related Links**

- "Projecting the Screens of Multiple Devices" p.26

Moderator Function

When using the moderator function, only one person plays a role of moderator who can control the projected display. This function is suitable for a classroom environment where the moderator must control the lesson without interruption.

This can also be useful for meetings in which one user is the moderator and the other users are participants, and the moderator must control the projected display.
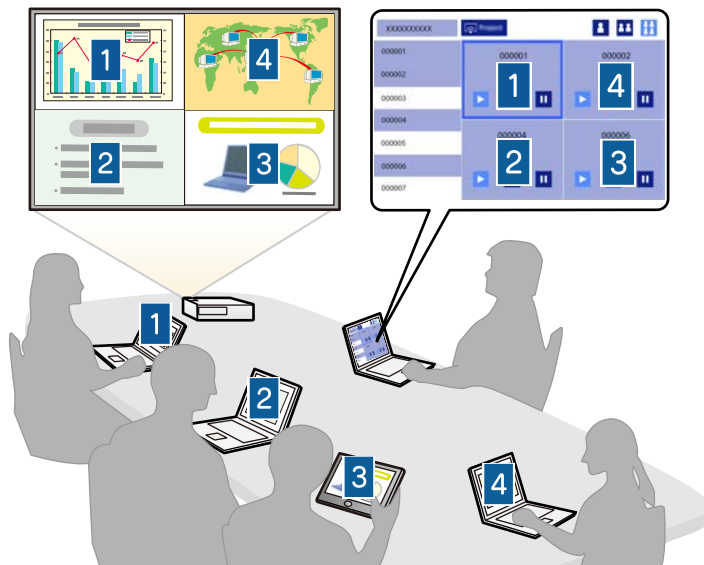
> ✎ This function is available only for supported models. See your projector *User's Guide* for details.

▸ Related Links
- "Projecting the Screens of Multiple Devices" p.26
- "Changing the Moderator" p.36
- "Using Functions for Moderators" p.30

Image Sharing and Annotation

You can distribute the currently projected screen images to the participant's devices. The participants can use the pen tool to annotate the received images, which the moderator can check in **Multi Device Projection**.

This feature is suitable for environments where the moderator wants to provide questions for the participants to answer, and then select which answers or ideas to project in response.
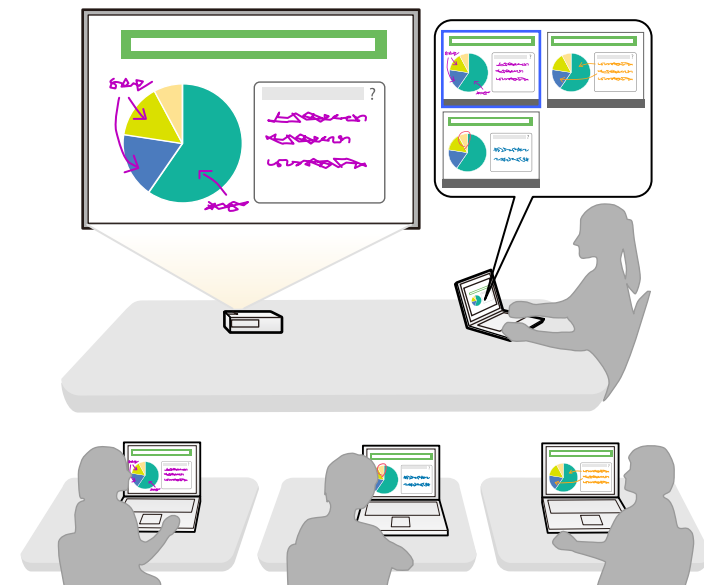
> ✎ This function is available only for supported models. See your projector *User's Guide* for details.

▸ Related Links
- "Sharing the Projected Screen" p.30
- "Annotating the Content" p.32

Setting Up the App for the First Time

Follow these instructions before connecting a computer to the projector over a network.

▸ **Related Links**
- "Installing the App"
- "Setting Projector Network Settings"

Follow these instructions to install the Epson iProjection app from the Google Play Store.

> • Make sure you install the latest app from the Google Play Store.
> • Update the app as appropriate to keep it up to date after installation.
> • Update the operating system of your Chromebook to the latest version.

▶ Related Links
• "Installing the Epson iProjection App"

Installing the Epson iProjection App

Install the Epson iProjection app on your computer.

1 Turn on your computer.

> Make sure you are signed in with an account that will use the app.

2 Install the Google Play Store app if needed.

3 Find and install the Epson iProjection app from the Google Play Store.

Follow these instructions to connect the projector to your network using the infrastructure mode or Advanced connection mode.

> 📝 • This app does not support using the projector's simple AP mode or Quick connection mode to connect your computer and projector directly.
> • Connection using a QR code is not supported.

» Related Links
- "Setting Up a Projector to Connect in Advanced Connection Mode (Wired)"
- "Setting Up a Projector to Connect in Advanced Connection Mode (Wireless)"

Setting Up a Projector to Connect in Advanced Connection Mode (Wired)

To connect the projector using a wired LAN, you need to select network settings on the projector.

1 Contact your network administrator and check if DHCP is available under the current network environment.

> 📝 If DHCP is not available, write down the following values that are available for your projector.
> • IP Address
> • Subnet Mask
> • Gateway Address

2 Connect a LAN cable to the projector.

3 Turn on the projector.

4 Press the [Menu] button on the remote control or the control panel, and select the **Network** menu.

5 Select these IP settings for your wired LAN as necessary.
- DHCP is available: Set **DHCP** to **On**.
- DHCP is not available: Set **DHCP** to **Off** and enter the projector's IP Address, Subnet Mask, and Gateway Address values as necessary.

6 When you have finished selecting settings, save your settings and exit the menus.

> 📝 When you connect your computer using Wi-Fi, make sure to connect to the same network as the projector. To set up a network connection, if necessary, see the documentation supplied with your computer or network adapter, or contact your network administrator.

» Related Links
- "Solutions When You Cannot Connect Projectors Using Advanced Connection Mode (Wired)"

Setting Up a Projector to Connect in Advanced Connection Mode (Wireless)

To connect the projector using a wireless LAN, you need to select network settings on the projector.

> 📝 The necessary settings vary depending on your projector. See your projector *User's Guide* for instructions.

1 Contact your network administrator and write down the settings for the access point, such as the SSID and security settings.

2 Install the wireless LAN unit in the projector, if necessary. See your projector *User's Guide* for instructions.

3 Turn on the projector.

4 Press the [Menu] button on the remote control or the control panel, and select the **Network** menu.

5 Turn on wireless LAN support.

6 Select one of these settings to connect the projector to a wireless LAN. The necessary settings vary depending on your projector.

- Turn off the **Simple AP** setting.

- Select **Advanced** for **Connection Mode**.

7 Select other options as necessary for your network. See your projector *User's Guide* for instructions.

8 Select security settings as necessary for your network. Check with your network administrator for more information on choosing the correct settings.

9 When you have finished selecting settings, save your settings and exit the menus.

> When you connect your computer using Wi-Fi, make sure to connect to the same network as the projector. To set up a network connection, if necessary, see the documentation supplied with your computer or network adapter, or contact your network administrator.

⇥ Related Links
- "Recommended Wireless Environment for Multi PC Projection"
- "Solutions When You Cannot Connect Projectors Using Advanced Connection Mode (Wireless)"

Recommended Wireless Environment for Multi PC Projection

When you connect a projector to a wireless LAN and connect multiple devices wirelessly using the infrastructure mode or Advanced connection mode, note the following recommendations.

- Set up multiple access points so that one of the access points can connect up to 10 or 20 devices. See the access point manual for more information on the maximum number of devices that can be connected.

- When you use multiple access points, assign a different channel to each access point, and use different access points for the projector connection and the computer connection.

- Use a wireless LAN controller, if possible, to enhance the connection stability.

- Use an access point that supports 802.11n.

Contact your network administrator for help in setting up the wireless environment.

> When you connect multiple devices to the projector, we recommend connecting the projector to your network via a wired LAN if your projector supports it.

Connecting to the Projector and Projecting Images

Follow these instructions to connect the computer and the projector over a network, and to project images from your computer's screen using the projector.

Make sure you have already installed the app and set the projector network settings.

➤ **Related Links**

You can select a suitable method to connect the computer and the projector over a network depending on your lesson style.

⤷ Related Links
- "Connection Methods for Various Lesson Styles" p.15
- "Connecting to the Projector from the App over a Network" p.16

Connection Methods for Various Lesson Styles

You can choose a connection method to suit the style of your lesson.

Decide how you want to hold your lesson. Depending on the connection method you selected, the connection procedure differs.

- Only one user is the moderator and has full control over the meeting using the moderator function. (Holding a class or lesson using the participants' computer screens in an educational environment.)
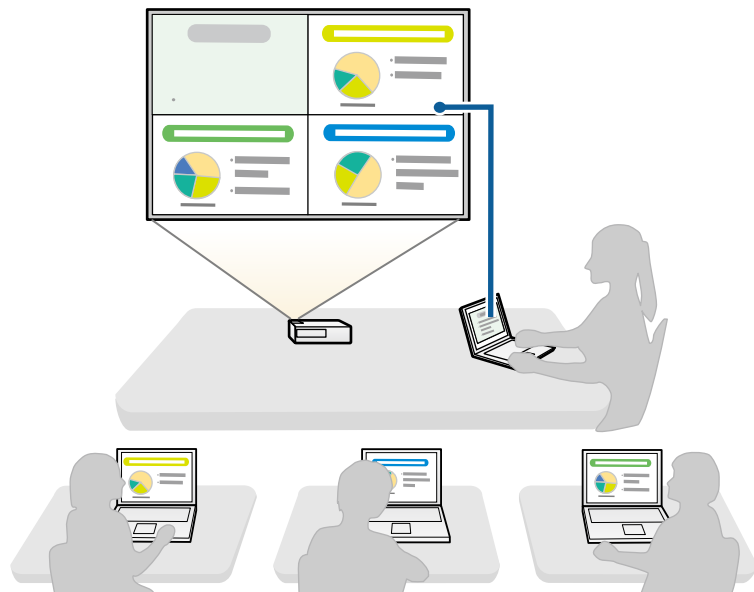
> - To start a lesson using the moderator function, one user must connect to the projector as the moderator and the other users must connect to the projector as participants.
> - This function is available only for supported models. See your projector *User's Guide* for details.

- All users can control the projected display and become presenters. (Holding discussions and interacting with other users in a business environment or group work during a class.)
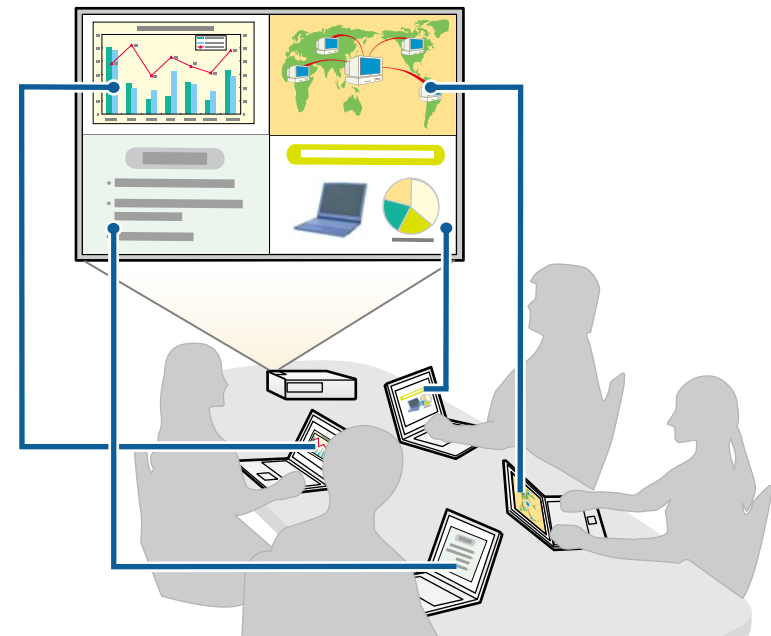
⤷ Related Links
- "Projecting the Screens of Multiple Devices" p.26
- "Changing the Moderator" p.36
- "Using Functions for Moderators" p.30

Connecting to the Projector from the App over a Network

When your projector is set up as indicated below, you can connect the projector and a computer over a network by using the Epson iProjection app.
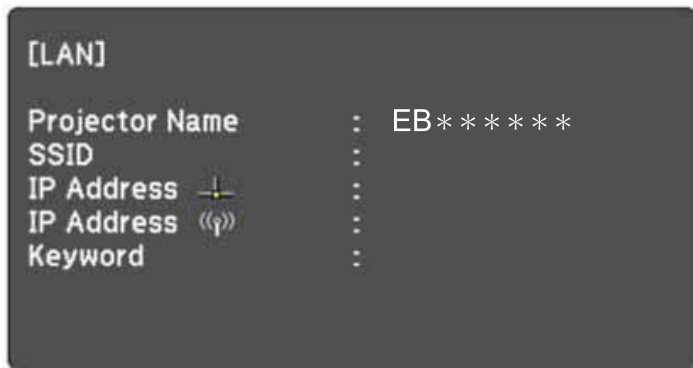
- The wireless LAN unit is installed if a projector does not have built-in wireless LAN modules (wireless networks only).
- You select one of these settings to connect the projector to a wireless LAN (wireless networks only). The necessary settings vary depending on your projector.
  - Turn off the **Simple AP** setting.
  - Select **Advanced** for **Connection Mode**.
- A LAN cable is connected to the projector (wired networks only).

> - This app does not support the projector's simple AP mode or Quick connection mode to connect your computer and projector directly using wireless communication.
> - Make sure you also connected a computer to the same network as the projector.

a Press the [LAN] button or [Source Search] button on the remote control to switch the input source to LAN.

You see the network information screen.

```
[LAN]

Projector Name        :  EB******
SSID                  :
IP Address  ⊥         :
IP Address  ((ρ))     :
Keyword               :
```

b Select the launcher icon ⊙ in the lower left corner of your screen and then the up arrow ⌃.

c Select the Epson iProjection app icon from the shelf.

You see the search screen, and the projectors on the same network are listed automatically.
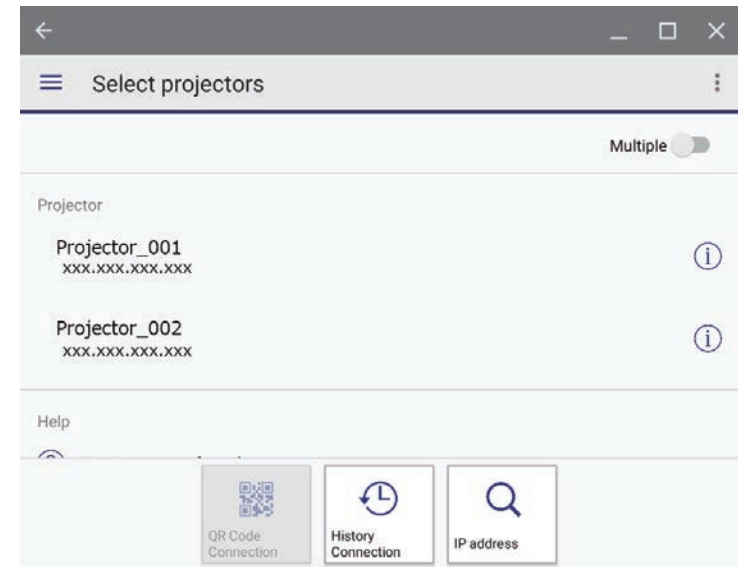

> - If you change the access point that you are connecting to, the projector may not be automatically displayed on the search screen.
> - You can also search for the projector using the following icons at the bottom of the app screen.
>   - **History Connection**: Displays the projectors that you have connected to in the past. Select a projector from the list to connect.
>   - **IP address**: Searches for the projector based on a specified IP address. Enter the IP address for the projector you want to connect to, and then press the **enter** key on your computer.

4 If you want to participate as a moderator to control the projected display, click the kebab menu icon ⠿ in the upper right corner of the app screen and select **Connect as a Moderator**.
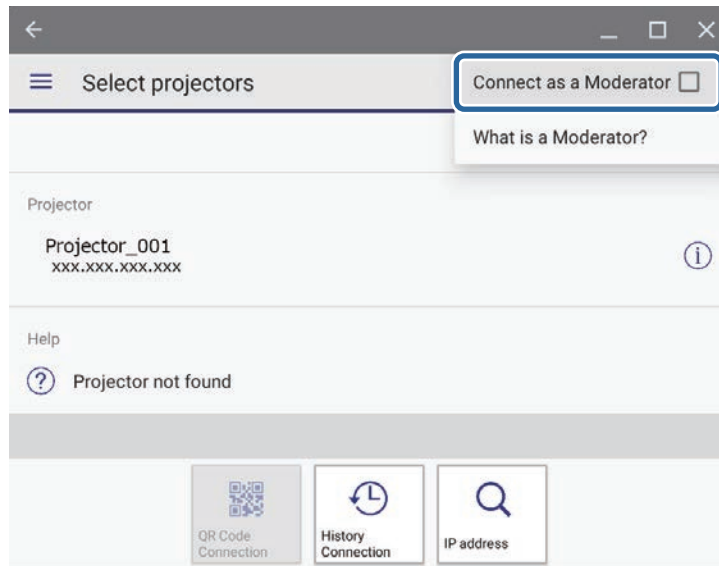
> 📝 You can also become the moderator by clicking the kebab menu icon ⠿ and selecting **Become Moderator** after connecting to the projector.

You see the confirmation screen.

5 Click **Enable**.

6 Select the projector you want to connect to from the **Projector** list.

> 📝 • You can also connect to multiple projectors at the same time.
> • When one user connects as a moderator, the moderator function turns on.
> • After selecting a projector, the app's operation may differ depending on the type of projector.
>   • For business projectors in Content Playback mode and accent lighting laser projectors, registration is completed and you see the **Remote** screen. Go back to the previous screen to see the iProjection home screen.
>   • For home projectors, registration is completed and you see the iProjection home screen. Click **Connect** in the upper right of the app screen.

You may see a keyword entry screen depending on your projector settings.

7 If you set **Projector Keyword** to **On** in the projector's menu, enter the **Projector Keyword** displayed on the screen, and then click **OK**.

> 📝 You can also check the **Projector Keyword** on the projector's home screen.

8 If you set **Moderator Password** in the projector's menu and connect as the moderator, enter the **Moderator Password** you set, and then click **OK**.

9 When a connection is established, a connection completion message appears and you see the iProjection home screen like this. Select the content you want to project.
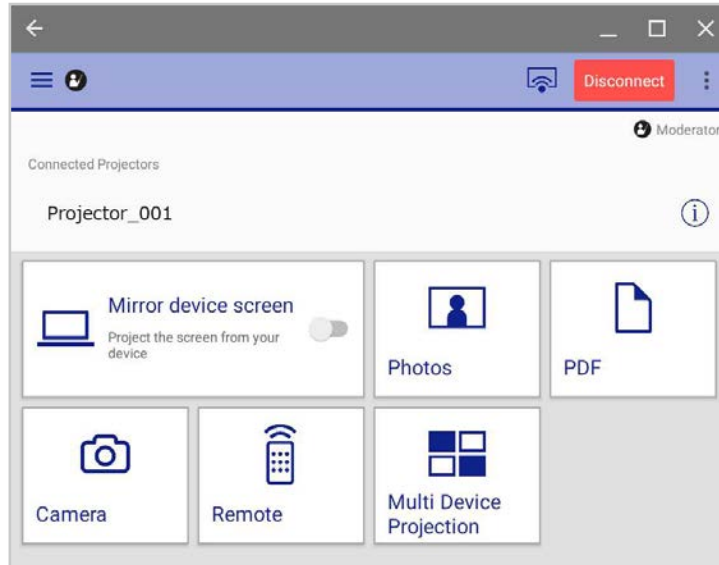
> 📝 • The iProjection home screen varies depending on the type of projector.
> • When a connection is established, the input source for the projector automatically switches to the LAN source if no other signal is being input. If the input source does not automatically switch to the LAN source, press the [LAN] button or [Source Search] button on the remote control.
> • Users who connect later can project their own screen by clicking the projection icon 🖥️ in the upper right of the app screen.
> • When using the moderator function, only the moderator can control the projected display.
> • If you participate later as a moderator, the following options are displayed with the connection complete message.
>   • **PROJECT NOW**: allows you to stop the other participants' projection and start your projection immediately.
>   • **PROJECT LATER**: allows other participants to continue the projection. When you want to start your own projection, click the projection icon 🖥️ in the upper right of the app screen.
> • You can also select the content you want to project from the hamburger menu ☰ in the upper left corner of the app screen. The options in the menu vary depending on the connection method and the projector.

➤ **Related Links**
- "Projecting Your Device Screen (Screen Mirroring)" p.19
- "Projecting Your Photos" p.20
- "Projecting Your PDF Documents" p.22
- "Projecting the Images from Camera" p.24
- "Projecting the Screens of Multiple Devices" p.26
- "Connecting to Multiple Projectors (Group Mirroring)" p.41

You can mirror your computer screen.

📝 Depending on the combination of your Chromebook and operating system version, screen mirroring may not work properly.

1 Select the projector you want to connect to.

You see the iProjection home screen like this.
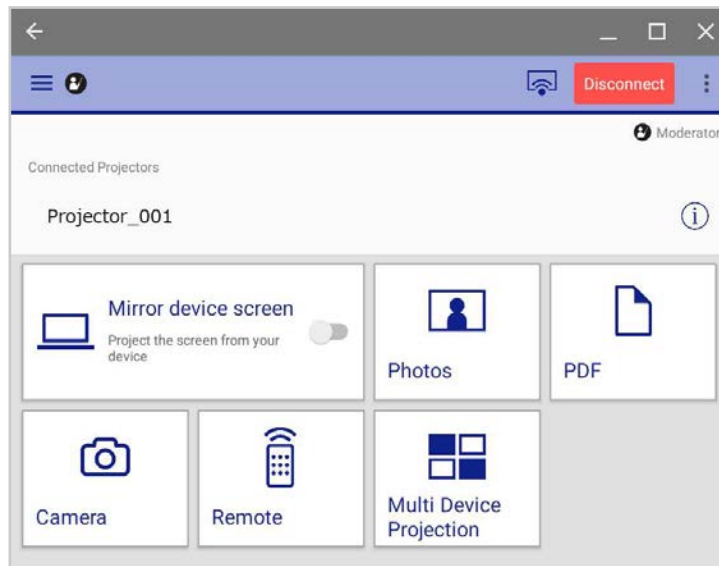
📝 For home and accent lighting laser projectors, click **Connect** in the upper right of the app screen.

2 Click **Mirror device screen** in the iProjection home screen.

Your computer screen is projected.

📝 • If a confirmation screen is displayed, select the screen you want to share, and then click the **Share** button to start mirroring.
• You cannot mirror copyrighted content.
• You cannot project images and PDFs in full screen mode while projecting in mirroring mode.
• While mirroring your screen as the moderator, you can share the screen image to the participants by clicking the shared images icon 🖼️ on the right side of your computer screen. You can move or delete this icon by dragging and dropping it.
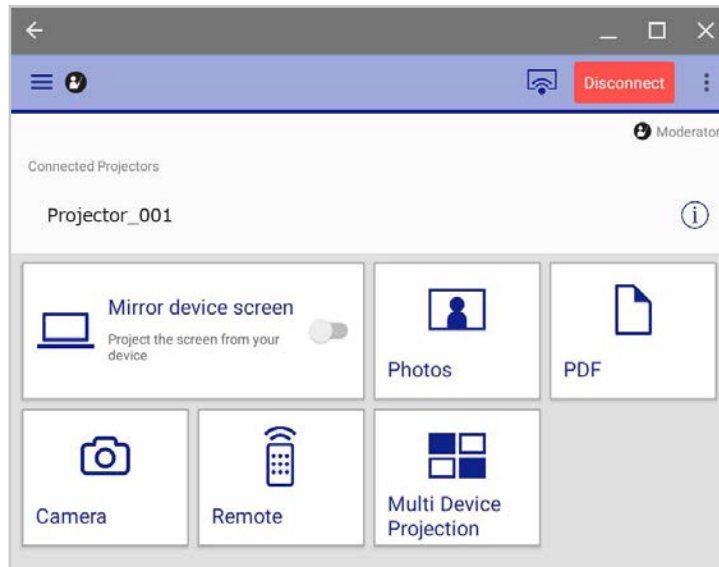
3 To finish mirroring, click **Mirror device screen** again to turn it off.

➤ Related Links

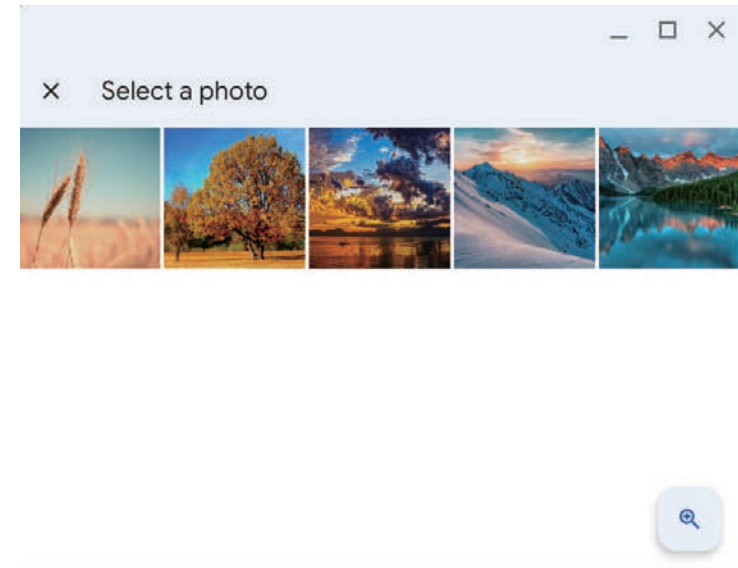You can project the image file on your computer.

1 Select the projector you want to connect to.

You see the iProjection home screen like this.

> For home and accent lighting laser projectors, click **Connect** in the upper right of the app screen.

2 Click **Photos**.

3 Select the folder containing the photos you want to display.

4 Select the image file from the folder on your computer.

> • This app supports .png and .jpg/.jpeg formats for image files.
> • You cannot project image files in formats that your computer does not support.

The image you selected is projected.

5 If you want to change the projected image, select the specific image from the thumbnail list on the left side of the app screen or click the arrow buttons at the bottom of the app screen.

> 📝 You can sort images by selecting **Sort** in the kebab menu ⋮ in the upper right corner of the app screen.
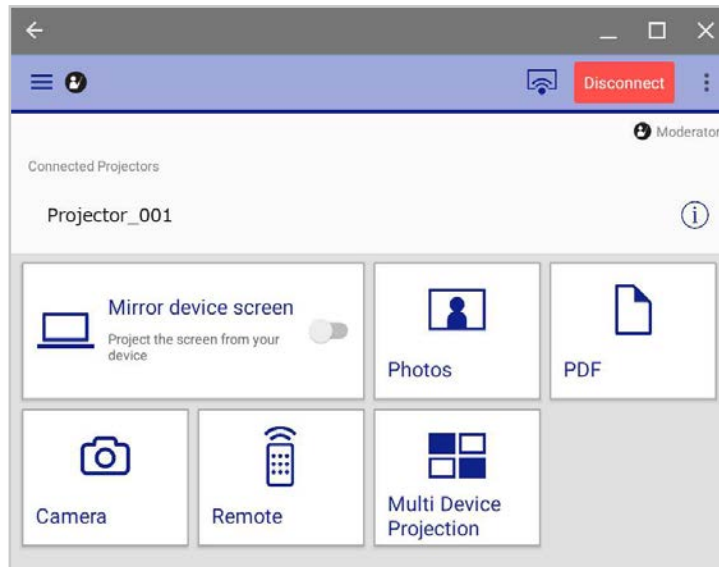
6 To return to the iProjection home screen, select **Home** in the hamburger menu ☰ in the upper left corner of the app screen.

▸▸ **Related Links**
- "Annotating the Content"
- "Connecting to the Projector from the App over a Network"

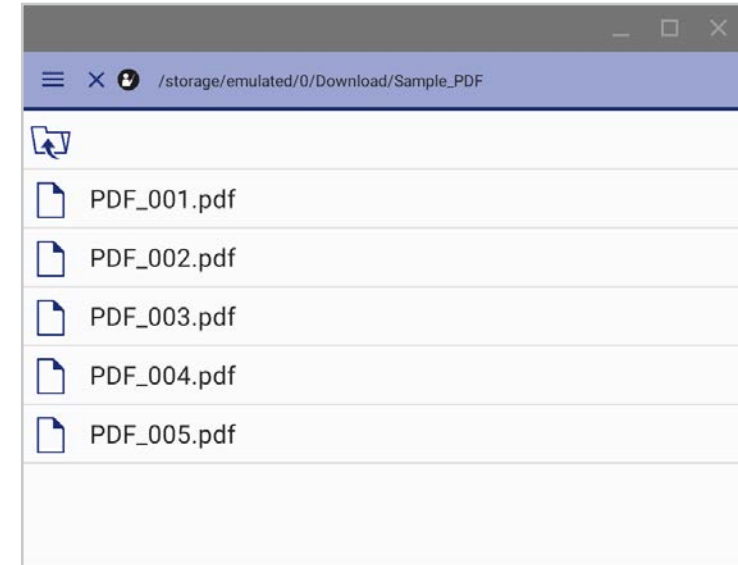You can project the PDF documents on your computer.

1 Select the projector you want to connect to.

You see the iProjection home screen like this.

> 📝 For home and accent lighting laser projectors, click **Connect** in the upper right of the app screen.

2 Click **PDF**.

3 Select the folder containing the files you want to display.
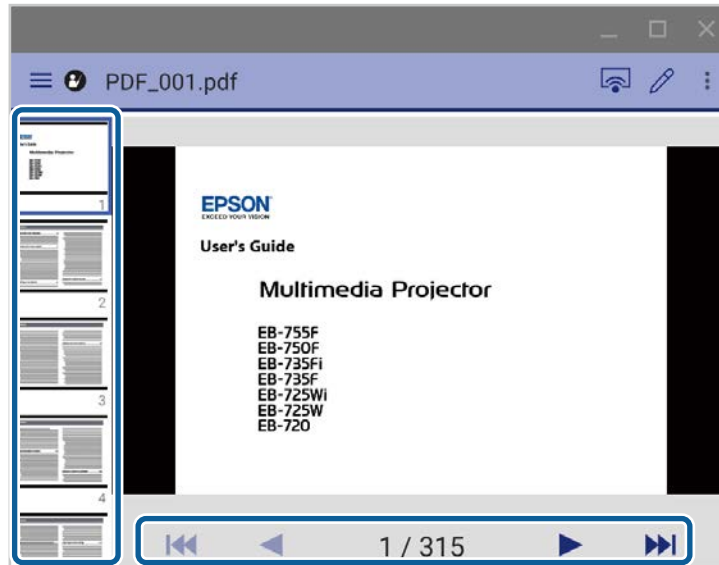
4 Select the PDF file from the folder on your computer.

> 📝 • This app supports PDF 1.7 or later versions.
> • If a password is set for the PDF, you cannot open it in this app.

The PDF file you selected is projected.

5 If you want to move the page on the PDF file, select a page from the thumbnail list on the left side of the app screen or click the arrow buttons at the bottom of the app screen.

**6** To return to the iProjection home screen, select **Home** in the hamburger menu ≡ in the upper left corner of the app screen.

» Related Links

- "Annotating the Content" p.32
- "Connecting to the Projector from the App over a Network" p.16

You can project live video using your computer's built-in camera.

1 Select the projector you want to connect to.
You see the iProjection home screen like this.
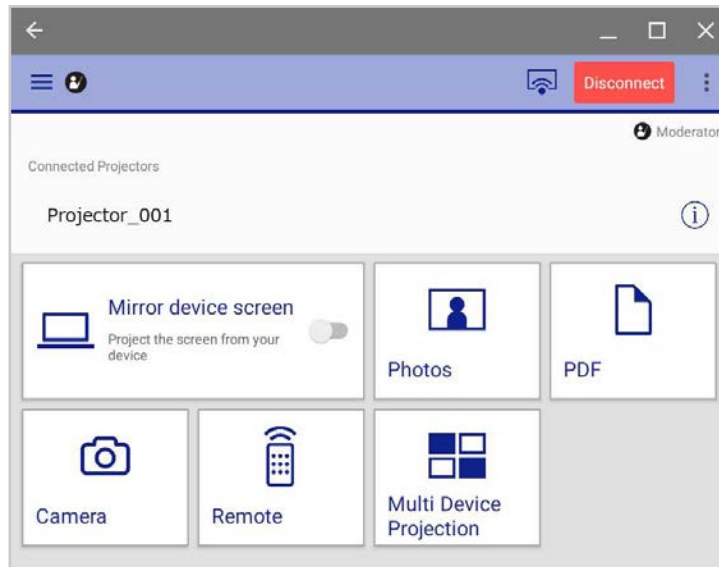
> For home and accent lighting laser projectors, click **Connect** in the upper right of the app screen.

2 Click **Camera**.
The image shown by the camera is projected.

3 To pause the video you are currently viewing, click the pause button 𝗜𝗜 on the right side of the app screen. To resume the video, click the play button ▶ on the right side of the app screen.
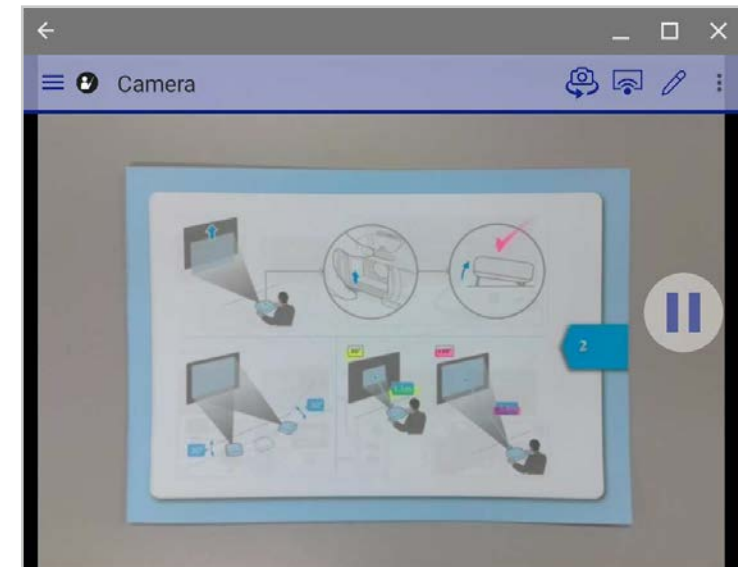
> You can save the paused screen to your computer by clicking the save button 💾 at the top right of the app screen while the video is paused.

4 If your computer has cameras both inside and outside, you can switch the camera image by clicking the reverse button 📷 at the top right of the app screen.

> If your computer's camera has a zoom feature, you see the scale slider at the bottom of the app screen. You can move it to the right to zoom in or to the left to zoom out.

5 To return to the iProjection home screen, select **Home** in the hamburger menu ☰ in the upper left corner of the app screen.

➠ **Related Links**
- "Annotating the Content" p.32
- "Connecting to the Projector from the App over a Network" p.16

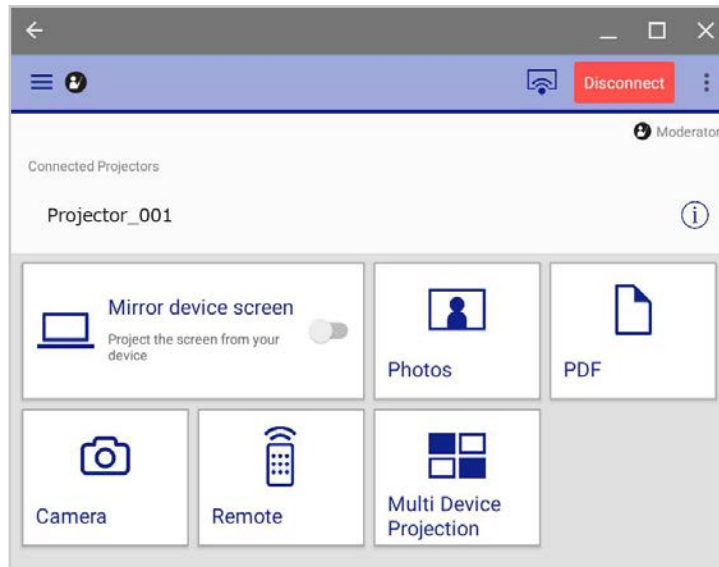You can project and control the screens of multiple devices.

1 Select the projector you want to connect to.

You see the iProjection home screen like this.

> 📝
> - For home and accent lighting laser projectors, click **Connect** in the upper right of the app screen.
> - If you want to become a moderator after connecting to the projector, select **Become Moderator** in the kebab menu ⋮ in the upper right corner of the app screen. If another user already connects to the projector as a moderator, the kebab menu icon ⋮ does not appear.

2 Click **Multi Device Projection**.

3 Do one of the following depending on how many device images you want to display:

- Project content in full screen mode from a single device: Click the one screen icon 👤.
- Split the projected display in two and project content from two devices: Click the two screen icon 👥.
- Split the projected display in four and project content from four devices: Click the four screen icon.
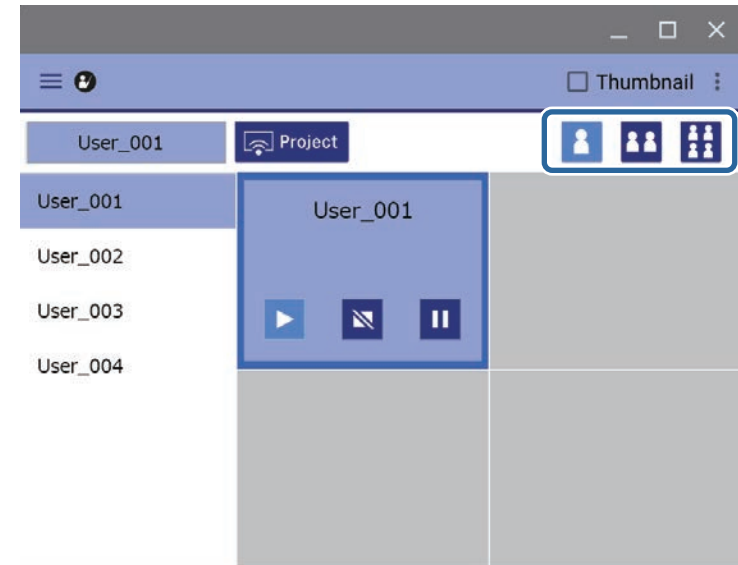
> 📝
> - If you want to project your computer screen in full screen mode immediately, click the projection icon 🖥 in the app screen.
> - When another user is the moderator, you cannot control your projected display. Change the moderator or project the screen without a moderator.

The available panels for projection change to blue.

4 Select the device name you want to project from the list of connected devices on the left side, and then drag and drop it into an available panel on the right.
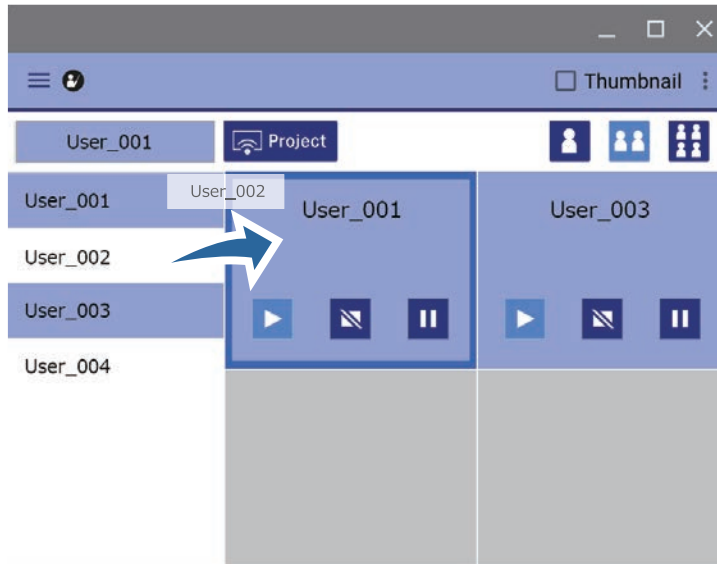
> 📝
> - You can also perform the same operation as drag and drop by selecting the device name from the list while a panel is selected.
> - When you participate as a moderator, select **Thumbnail** check box in the upper right corner of the app screen to display the contents of each device in thumbnail format. This is useful for understanding each participant's content in advance.
> - You can also move or swap each panel later by dragging and dropping the device name.
> - If there is no user in an available panel, a black screen is projected.
> - Unavailable panels appear in gray.

5 Click the following buttons to control the projection status of each device:

- Show button ▶: allows you to start projecting the contents.
- Stop button ◪: allows you to stop projecting the contents. A black screen is projected while stopped.
- Pause button ⏸: allows you to pause the projected image. The paused image is projected, even if you or participants make changes on the computer screen.

6 To finish projecting multiple screens, click the projection icon 📶 in the app screen.

Your computer screen is projected in full screen mode.

↳ Related Links

Projecting Your Device Screen During Multiple Device Projection

You can simultaneously mirror your computer screen along with the other connected devices during multiple devices projection.

> 📝
> Depending on the combination of your Chromebook and operating system version, screen mirroring may not work properly.

1 Select the projector you want to connect to.

You see the iProjection home screen like this.


> 📝
> - For home and accent lighting laser projectors, click **Connect** in the upper right of the app screen.
> - If you want to become a moderator after connecting to the projector, select **Become Moderator** in the kebab menu ⋮ in the upper right corner of the app screen. If another user already connects to the projector as a moderator, the kebab menu icon ⋮ does not appear.

2 Click **Multi Device Projection**.
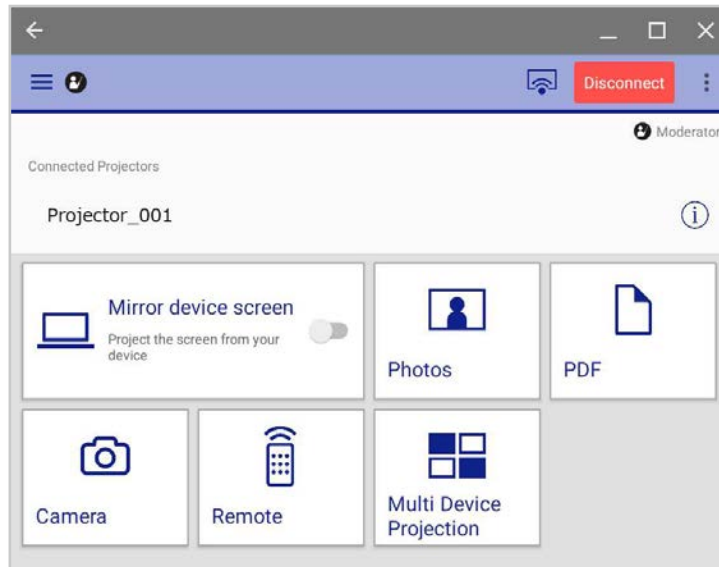
3 Select your Chromebook from the list of connected devices on the left side, and then drag and drop it into an available panel on the right.

4 Click the hamburger menu icon ≡ in the upper left corner of the app screen and turn on **Mirror device screen**.
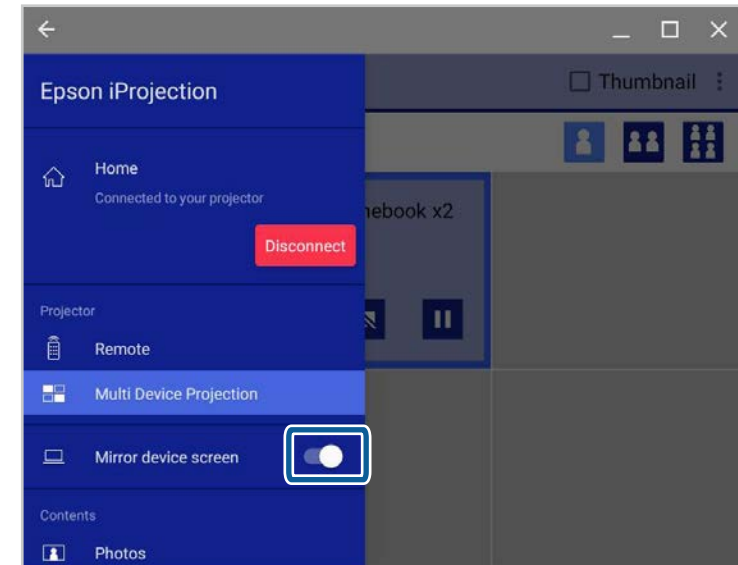
Your computer screen is projected.

> 📝
> - If a confirmation screen is displayed, select the screen you want to share, and then click the **Share** button to start mirroring.
> - You cannot mirror copyrighted content.
> - You cannot project images and PDFs in full screen mode while projecting in mirroring mode.
> - While mirroring your screen as the moderator, you can share the screen image to the participants by clicking the shared images icon 📷 on the right side of your computer screen. You can move or delete this icon by dragging and dropping it.

5 To finish mirroring, turn off **Mirror device screen** in the hamburger menu ≡.

❧ **Related Links**

You can use functions for moderators if you are the moderator.

▸ **Related Links**
- "Prohibiting Participant Operations"
- "Sharing the Projected Screen"

Prohibiting Participant Operations

The moderator can lock any app operations on the participant's devices so that the participant cannot change the images being projected.

1 Connect to the projector as the moderator.

2 Click the kebab menu icon ⋮ in the upper right corner of the app screen and select **Deny User Operations**.

> Quit Moderator
>
> Disconnect All
>
> Deny User Operations
>
> Share image
>
> What is a Moderator?

You see the confirmation screen.

3 Click **OK**.

The restriction function turns on.

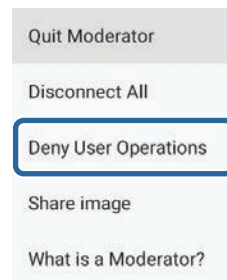The participants see the message on their app screens to indicate that user operations are locked.

The moderator sees the lock icon 🔒 next to the moderator icon ⊘ in the app screen and can operate the Epson iProjection app without any restriction.

4 If the moderator wants to end the restriction, click the kebab menu icon ⋮ again and select **Allow User Operations**.

You see the confirmation screen.

5 Click **OK**.

The restriction function turns off.

Both the lock icon 🔒 in the moderator's screen and the restriction message in the participants' screen disappear.

Sharing the Projected Screen

The moderator can share the currently projected screen images to the participant's devices.

1 Connect to the projector as the moderator.

2 Click the kebab menu icon ⋮ in the upper right corner of the app screen and select **Share image**.

> Quit Moderator
>
> Disconnect All
>
> Deny User Operations
>
> Share image
>
> What is a Moderator?
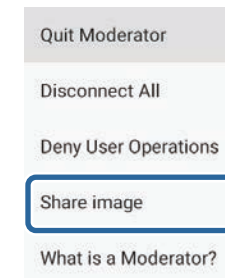
You see the confirmation screen.

3 Select one of the following options and click **OK**.

- **Projected image**: distributes the currently projected screen images to the participant's devices.

- **Blank image**: distributes a blank screen to the participant's devices so that participants can draw freely.

When the screen distribution succeeds, the moderator sees a completion message and the shared image automatically appears in the participant's devices.

> - If you want to see the distributed images later, select **Shared Images** in the hamburger menu ☰ in the upper left corner of the app screen.
> - If you do not want to display the shared images automatically, turn off **Display the shared images automatically** in **App Settings**.
> - While mirroring your screen as the moderator, you can share the screen image to the participants by clicking the shared images icon 🔳 on the right side of your computer screen. You can move or delete this icon by dragging and dropping it.

➤ **Related Links**
- "Solutions When the Projected Screen is Not Shared"
- "Annotating the Content"
- "Selecting the App Settings"

You can draw lines on the content using the annotation tool, and also project the annotated content.

1 Select the projector you want to connect to.
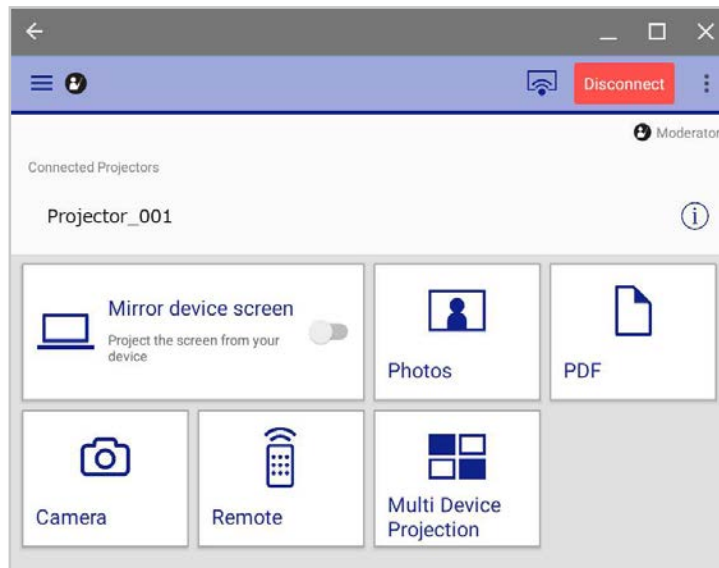
You see the iProjection home screen like this.

> For home and accent lighting laser projectors, click **Connect** in the upper right of the app screen.

2 Click the hamburger menu icon ☰ in the upper left corner of the app screen and then select the content you want to annotate from **Contents**.

The selected content appears on the app screen.

3 Click the annotation tool icon 🖉 in the upper right of the app screen.

You see the annotation screen.
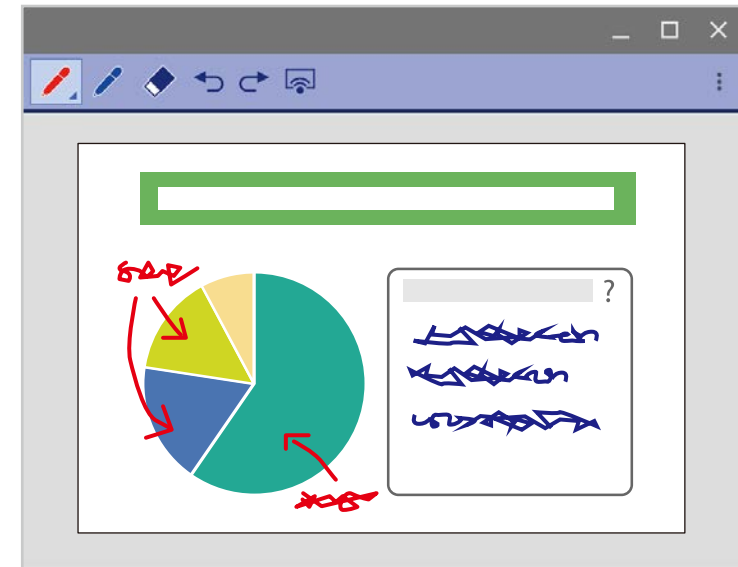
> If your content is live video from the camera, it becomes a paused image.

4 Use the following tools to annotate the image.

- Pen tools 🖊🖊: allow you to draw lines on the image. You can change the line color, width, and opacity on the setting screen that appears when you press and hold one of the pen tool icons 🖊🖊.

- Eraser tool ◆: allows you to erase any lines you have drawn by clicking and dragging across the screen. You can change the eraser's width on the setting screen that appears when you press and hold the eraser tool icon ◆.

- Undo ↩: allows you to undo up to 10 previous annotations.

- Redo ⟳ : allows you to redo up to 10 previous annotations.

- Projection ⬚ : allows you to project the annotated screen.

> 📝
> - If you want to erase all annotations, press and hold the eraser tool icon ◆ , then select **CLEAR SCREEN**.
> - If you have a moderator, the projection icon ⬚ is activated only on the moderator's screen.

5 To save the annotated image, click the kebab menu icon ⋮ in the upper right corner of the app screen and select **Save**.

You see the completion message.

6 When you want to exit the annotation screen, click the back button ← in the upper left corner of the window.

> 📝
> - If you do not see the back button on the window, press the left arrow key ← on your keyboard.
> - After you exit the annotation screen, your current annotation will be lost. Make sure to save the annotated image if necessary.

➤ **Related Links**
- "Projecting Your Photos"
- "Projecting Your PDF Documents"
- "Projecting the Images from Camera"
- "Sharing the Projected Screen"
- "Connecting to the Projector from the App over a Network"

You can disconnect one computer or all devices from the projector when you finish projecting.

1 Perform one of the following operations:

- Disconnect your computer from the projectors: Click **Disconnect** in the upper right of the iProjection home screen.
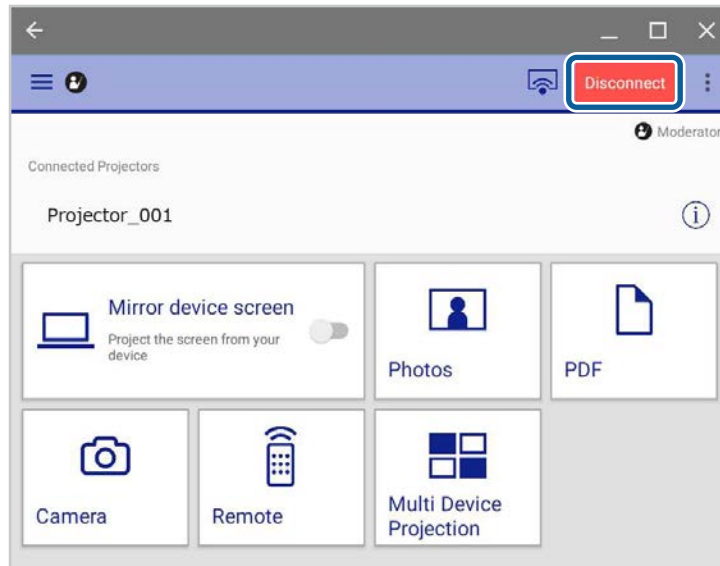
> When the moderator disconnects the computer from the projector, the moderator function turns off.

- Disconnect all devices from the projectors: If you are the moderator, select **Disconnect All** in the kebab menu ⋮ in the upper right corner of the app screen.
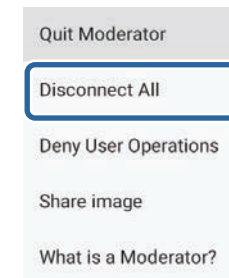
You see the confirmation screen.

2 Click **OK**.

If you clicked **Disconnect**, the connection between your computer and the projectors is ended. If you clicked **Disconnect All**, the connection between all devices and projectors participating in the lesson is ended.

You are returned to the search screen.

Using Additional Functions

Follow these instructions to use the additional Epson iProjection functions that may be useful during a lesson.

▸▸ **Related Links**
- "Changing the Moderator"
- "Controlling the Projector Remotely"
- "Connecting to Multiple Projectors (Group Mirroring)"
- "Connecting to a Shared Whiteboard"
- "Selecting the App Settings"

While using the moderator function, you can change the moderator when another user needs to control the projected display.

A On the search screen, click the kebab menu icon ⋮ in the upper right corner of the app screen and select **Connect as a Moderator**.

> You can also become the moderator by clicking the kebab menu icon ⋮ and selecting **Become Moderator** after connecting to the projector.

You see the confirmation screen.

B Click **Enable**.

C Select the projector you want to connect to.

The moderator function turns on and you see the iProjection home screen. You can see the moderator icon 🕑 in the upper left of the app screen.
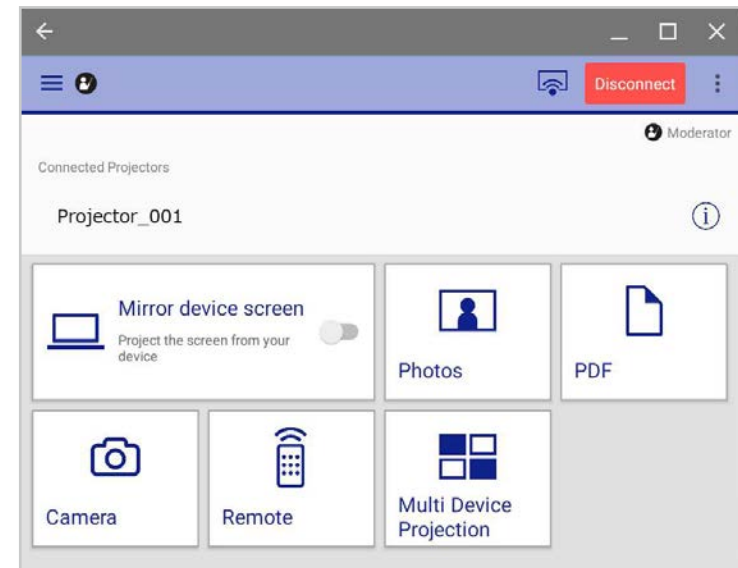
> For home and accent lighting laser projectors, click **Connect** on the iProjection home screen.

4 Click the kebab menu icon ⋮ and select **Quit Moderator** on the moderator's computer.

Quit Moderator

Disconnect All

Deny User Operations

Share image

What is a Moderator?
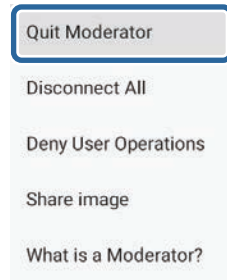
You see the confirmation screen.

5 Click **OK**.

The moderator function turns off.

6 Click the kebab menu icon ⋮ and select **Become Moderator** on a different user's computer.
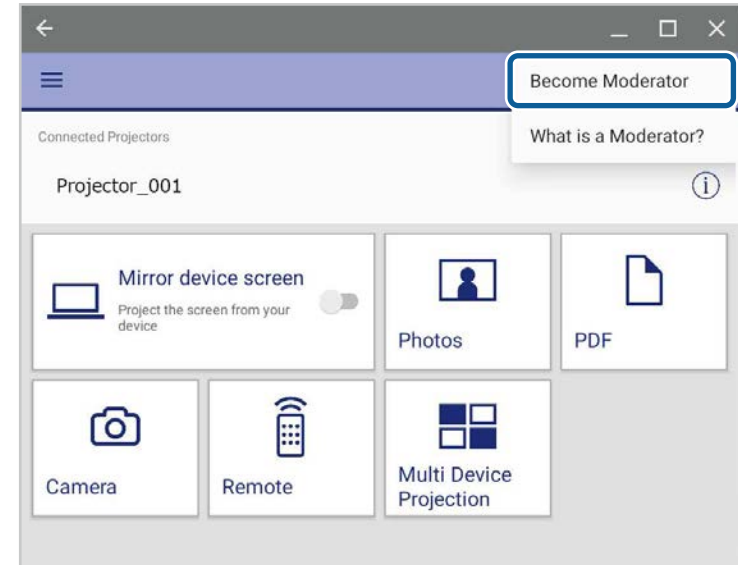
You see the confirmation screen.

7 Click **OK**.

The moderator function turns back on and the new moderator can control the projected display.

▸ **Related Links**
• "Connection Methods for Various Lesson Styles" p.15

You can control the connected projector remotely.

1 Select the projector you want to connect to.

You see the iProjection home screen like this.

> • For home and accent lighting laser projectors, you can control the registered projectors remotely without clicking **Connect** on the iProjection home screen.
> • For home and accent lighting laser projectors, click **Select the projector again** to select another projector.

2 Click **Remote**.

> • You are prompted to enter the password if you change **Remote Password** in the projector's menu. Enter **Remote Password**. See your projector *User's Guide* for more details.
> • For business projectors in Content Playback mode, or home and accent lighting laser projectors, you might be prompted to enter a password. For business projectors in Content Playback mode and home projectors, enter **Remote Password**. For accent lighting laser projectors, enter **Web Control Password**. See your projector *User's Guide* for more details.

You see the screen like this.
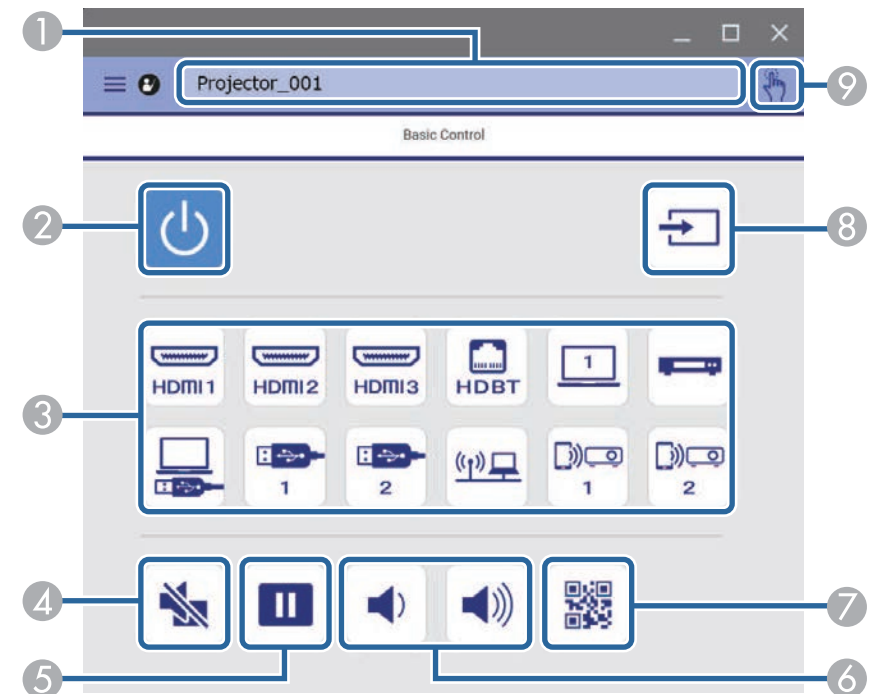
A Selects the projector you want to control when connecting to multiple projectors.

B Turns the projector on or off.

③ Selects the input source. (The available sources vary depending on your projector model. See your projector *User's Guide* for details.)

④ Turns the video and audio on or off temporarily.

⑤ Pauses or resumes images.

⑥ Adjusts the speaker volume.

⑦ Displays the QR code.

⑧ Searches for sources.

⑨ Operates the projector's menu settings with your finger or mouse using the touch pad.

> • For business projectors in Content Playback mode, or home and accent lighting laser projectors, you see the screen like this. The available options vary depending on your projector model. See your projector *User's Guide* for details.
>
>
>
> • For home and accent lighting laser projectors, you can control all connected projectors once by selecting **Batch Operations**. If you are prompted to enter the password, enter **Web Control Password**.
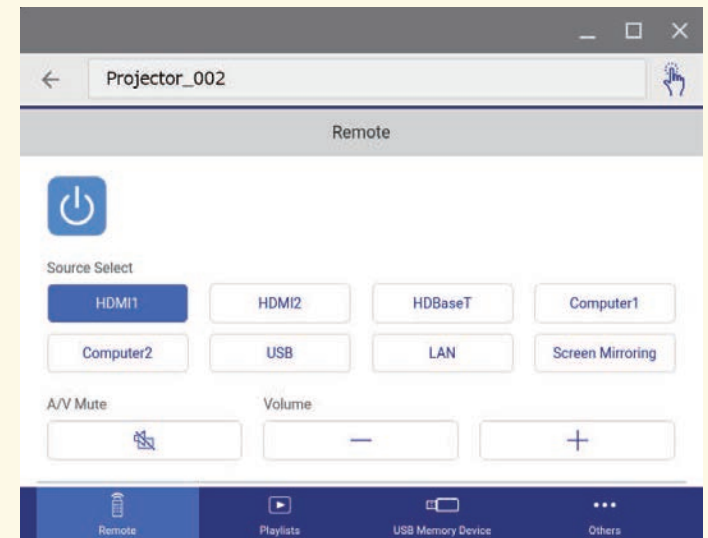
3 Select the option corresponding to the projector function you want to control.

> For home and accent lighting laser projectors, the password authentication data still remains in the app even after you select another projector. If you want to delete the password authentication data completely, select **DELETE REMOTE PASSWORDS** in **App Settings**.

⫸ **Related Links**
- "Touch Pad Options" p.40
- "Selecting the App Settings" p.44
- "Connecting to the Projector from the App over a Network" p.16

Touch Pad Options

Options on the touch pad screen allow you to display the projector's setting menus and select them moving your finger or mouse on the pad.

Ⓐ Selects the projector you want to control when connecting to multiple projectors.

Ⓑ Displays the projector's setting menus.

Ⓒ Use your finger or mouse to navigate the menus.

Ⓓ Displays help topics.

Ⓔ Returns to the previous menu.

Ⓕ Exits the touch pad.

You can connect to multiple projectors and project the same image simultaneously.
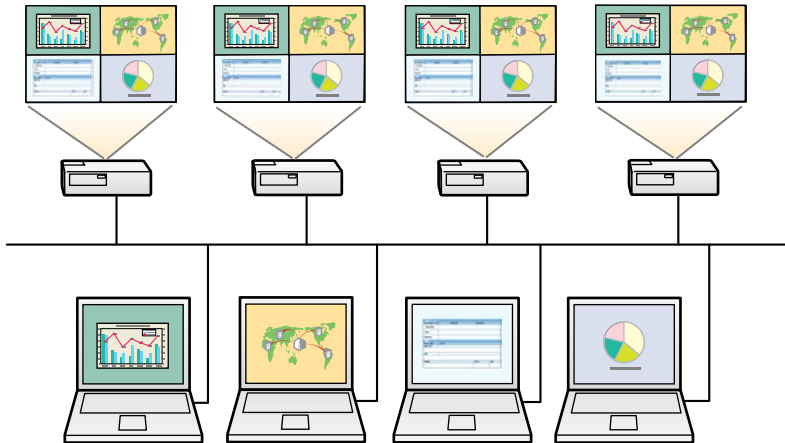
✎ For best results when connecting to multiple projectors for group mirroring, we recommend connecting your projectors to a wired LAN network.

1 On the search screen, turn on **Multiple**.

2 Select up to four projectors you want to connect to, and then click **Connect**.
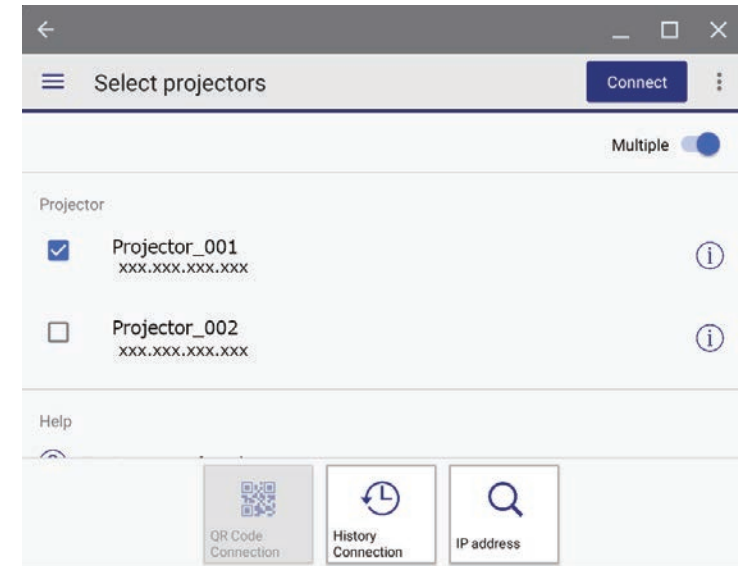
✎ • For home and accent lighting laser projectors, click **Register** and then **Connect** on the iProjection home screen.
• For home and accent lighting laser projectors, you can select up to 16 projectors but project up to 4 projectors at one time.

A projector mirroring group is formed and you see the iProjection home screen.

✎ • When other users are already connected to a projector in a mirroring group, you can only select another projector from the same mirroring group. You cannot select a projector that is not in a mirroring group.
• When you select one projector from a projector mirroring group, all of the projectors in that group are selected. This function is not available for business projectors in Content Playback mode, or home and accent lighting laser projectors.

3 Select the content you want to project.

The same image is projected from multiple projectors.

4 If another user wants to project, select the same projector group.

> You can project up to four screens.

You can connect to a shared whiteboard of the connected projector.

> 📝 • Only the following models support this function:
>   • BrightLink Pro 1470Ui
>   • BrightLink Pro 1460Ui
>   • BrightLink Pro 1450Ui
>   • BrightLink 697Ui
>   • EB-1470Ui
>   • EB-1460Ui
>   • EB-1450Ui
>   • EB-1440Ui
>   • CB-1470Ui
>   • CB-1460Ui
>   • CB-1450Ui
> • This function is not available when you connect to multiple projectors.
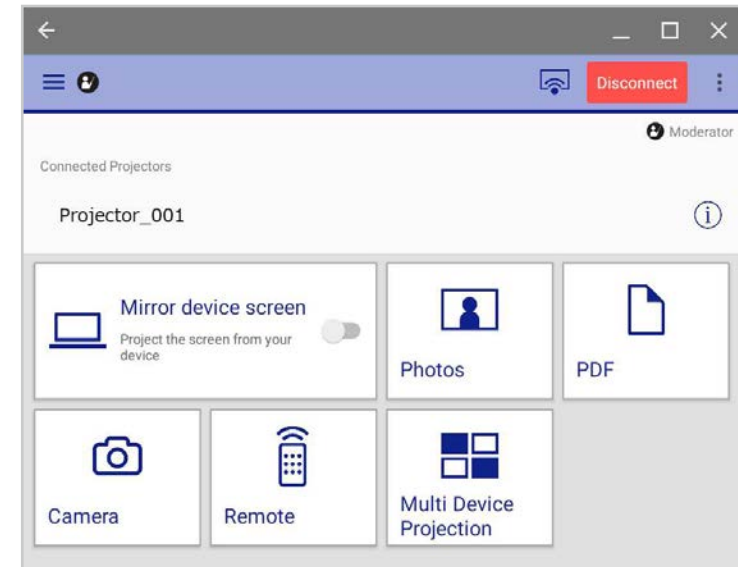
1 Select the projector you want to connect to.

You see the iProjection home screen like this.

2 Click the hamburger menu icon ☰ in the upper left corner of the app screen and select **Join Whiteboard**.

The web browser is started and you see a prompt to enter a PIN code.

3 Enter the PIN code and click **Connect**.

You see the shared whiteboard content and toolbar on your computer. See your projector *User's Guide* for instructions.

⤷ **Related Links**
• "Connecting to the Projector from the App over a Network"

You can change the user name and select settings using **App Settings**.

1 Click the hamburger menu icon ☰ in the upper left corner of the app screen and select **App Settings**.

You see the **App Settings** screen.
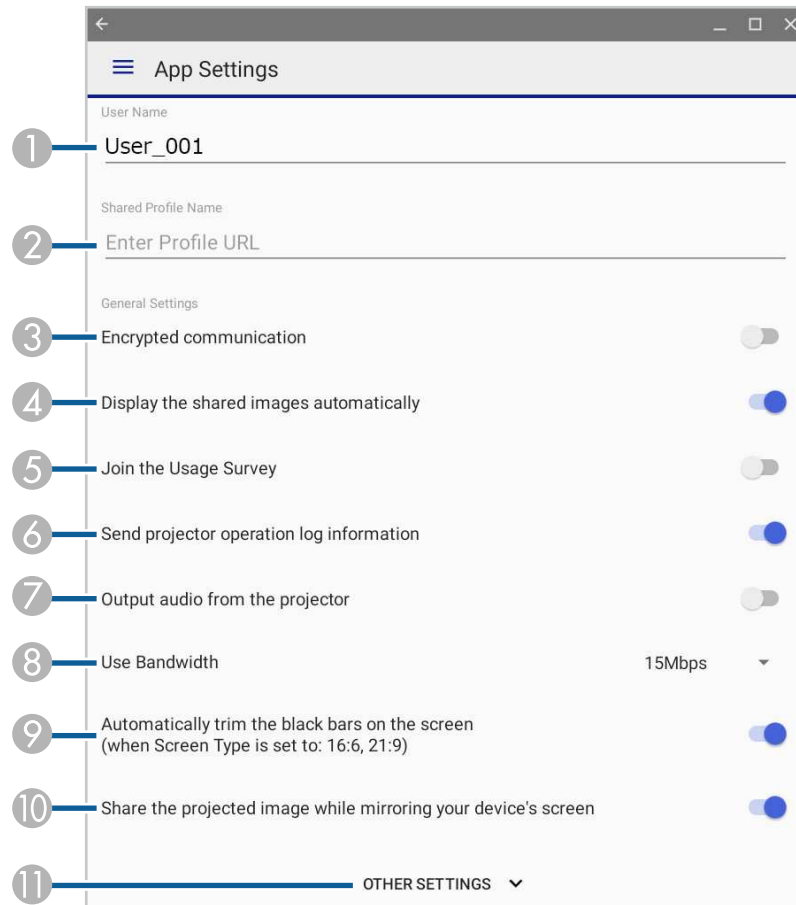
① Changes the user name.

② Profile function is not supported.

③ Selects whether to encrypt communication.

④ Selects whether to display the shared images automatically.

⑤ Selects whether to join the usage survey.

⑥ Selects whether to send projector operation log information.

⑦ Audio output is not supported.

⑧ Selects the connection bandwidth. You can reduce the size of data transferred to the projector and reduce the network load by selecting a narrower bandwidth.

⑨ Selects whether to automatically trim the black bars on the projected screen and display the enlarged image when **Screen Type** is set to **16:6** or **21:9** in the projector's menu.

⑩ Selects whether to display the shared images icon 🔒 during screen mirroring.

⑪ Displays other settings.

2 Select the settings you want to change.

> For home and accent lighting laser projectors, if you want to delete the password authentication data remaining in the app completely, click **OTHER SETTINGS**, **DELETE REMOTE PASSWORDS**, and then **OK**.

» Related Links
- "Bandwidth Control Restrictions"
- "Projecting Your Device Screen (Screen Mirroring)"

Bandwidth Control Restrictions

Note the following bandwidth limitations.

- When you limit the bandwidth, the image quality may decline due to the compression of the transferred data.

- The bandwidth may momentarily exceed the value you selected because each value in the list is an average value measured within 30 seconds.
- You can limit the bandwidth only of data you send. You cannot limit data that you receive, such as a thumbnail.

Solving Problems

See the following sections to check for solutions to problems you may have using the Epson iProjection app.

» Related Links
- "Solving Network Connection Problems"
- "Solving Problems During Projection"

Try these solutions depending on your network environment.

▸ **Related Links**
- "Solutions When You Cannot Connect Projectors Using Advanced Connection Mode (Wired)" p.47
- "Solutions When You Cannot Connect Projectors Using Advanced Connection Mode (Wireless)" p.47

Solutions When You Cannot Connect Projectors Using Advanced Connection Mode (Wired)

When you cannot connect the projector using the infrastructure mode or Advanced connection mode over a wired network, try the following solutions. If you cannot resolve the problem, contact your network administrator.

- Check the status of the external devices used for the network connection or the environment in which the network devices and the projector are located.
  - Connect the network cable securely.

  > - Use a commercially available 100BASE-TX or 10BASE-T LAN cable.
  > - To prevent malfunctions, use a category 5 or higher shielded LAN cable.

  - If DHCP is used, turn on the default gateway notification on the DHCP server.
- Check the projector's network settings.
  - Set **DHCP** to **Off**. When **DHCP** is set to **On**, it may take some time to enter LAN standby status if an available DHCP server is not found.
  - Set the IP address, the subnet mask, and the gateway address for the projector correctly if **DHCP** is set to **Off**.
  - Close the network settings menu on the projector.
- Check the computer's network settings.
  - Turn on Wi-Fi on your computer.
  - Connect to the same network as the projector.

- If DHCP is used, set your computer's IP address to automatic. Turn off DHCP if you want to set the IP address manually.
- Check the app settings.
  - If you cannot find the projector you want to connect to using automatic search, select **IP Address** to specify the IP address.
  - Make sure the projector supports the Epson iProjection version being used. Install the Epson iProjection app by downloading it from the Google Play Store.
  - Install the latest version of the Epson iProjection app on all computers. The maximum number of computer connections and the availability of the moderator function varies depending on the projector model, no matter which version of the Epson iProjection app you are using.
  - When another user is already connected, you can only connect to projectors in the same mirroring group as that selected by the other user. Select a projector from the same mirroring group as the user who is already connected, or select a projector that is in standby status.

▸ **Related Links**
- "Setting Up a Projector to Connect in Advanced Connection Mode (Wired)" p.12
- "Installing the App" p.11

Solutions When You Cannot Connect Projectors Using Advanced Connection Mode (Wireless)

When you cannot connect the projector using the infrastructure mode or Advanced connection mode over a wireless network, try the following solutions. If you cannot resolve the problem, contact your network administrator.

- Check the status of the external devices used for the network connection or the environment in which the network devices and the projector are located.
  - Connect the specified wireless LAN unit to the projector securely, if necessary. See your projector *User's Guide* for details.
  - Check for any obstacles between the access point and the computer or projector, and change their position to improve communication.

Sometimes, indoor environments prevent the projector from being found in a search.
- Make sure that the access point and the computer or projector are not too far apart. Move them closer together and try to connect again.
- Check for interference from other equipment, such as a Bluetooth device or microwave. Move the interfering device farther away or expand your wireless bandwidth.
- Set the radio strength for the network devices to the maximum.
- Set the IP address, the subnet mask, and the gateway address for the access point correctly if **DHCP** is set to **Off**.
- Make sure the wireless LAN system of the access point supports the projector's wireless LAN system.
- If DHCP is used, turn on the default gateway notification on the DHCP server.
- Check the projector's network settings.
  - Select one of these settings to connect the projector to a wireless LAN. The necessary settings vary depending on your projector.
    - Turn off the **Simple AP** setting.
    - Select **Advanced** for **Connection Mode**.
  - Set the computer, the access point, and the projector to the same SSID.
  - Set **DHCP** to **Off**. When **DHCP** is set to **On**, it may take some time to enter LAN standby status if an available DHCP server is not found.
  - Set the IP address, the subnet mask, and the gateway address for the projector correctly if **DHCP** is set to **Off**.
  - Turn on the wireless LAN setting, if necessary.
  - Set the wireless LAN system to meet the standards supported by the access point.
  - If you enable the security setting, use the same passphrase on the access point, the computer, and the projector.
  - Close the network settings menu on the projector.
- Check the computer's network settings.
  - Make sure you are using a computer that can connect to a wireless LAN.
  - Turn on Wi-Fi on your computer.
  - Connect to the access point to which the projector is connected.
  - If DHCP is used, set your computer's IP address to automatic. Turn off DHCP if you want to set the IP address manually.

- Check the access point settings.
  - Set connection permission at the access point to allow projectors to connect even if functions that block connections, such as MAC Address restrictions and port restrictions, are enabled on the access point.
- Check the app settings.
  - If you cannot find the projector you want to connect to using automatic search, select **IP Address** to specify the IP address.
  - Make sure the projector supports the Epson iProjection version being used. Install the Epson iProjection app by downloading it from the Google Play Store.
  - Install the latest version of the Epson iProjection app on all computers. The maximum number of computer connections and the availability of the moderator function varies depending on the projector model, no matter which version of the Epson iProjection app you are using.
  - When another user is already connected, you can only connect to projectors in the same mirroring group as that selected by the other user. Select a projector from the same mirroring group as the user who is already connected, or select a projector that is in standby status.

➡ **Related Links**

Try these solutions depending on your situation.

➡ **Related Links**
- "Solutions When the Screen is Not Projected Properly" p.49
- "Solutions When the Moderator Function Does Not Work" p.49
- "Solutions When the Projected Screen is Not Shared" p.49

Solutions When the Screen is Not Projected Properly

If the screen is not projected or there are problems with the project images, try the following solutions.

- The screen saver preview may not be projected properly depending on the computer.
- Reduce the number of connected devices if the connection speed declines.
- When another user is the moderator, you cannot control your projected display. Change the moderator or project the screen without a moderator.
- Change the file formats to JPG, JPEG, PNG, or PDF supported by the app.
- If you project a PDF file containing links, the links will not work properly. Some PDF files may not display properly.

➡ **Related Links**
- "Changing the Moderator" p.36

Solutions When the Moderator Function Does Not Work

If the moderator function does not work properly, try the following solutions.

- Make sure your projector supports the moderator function. See the *User's Guide* supplied with the projector for more details.
- When another user is the moderator, you cannot control your projected display. Change the moderator.
- Make sure you select **Connect as a Moderator** when you connect a projector, or **Become Moderator** after connecting to the projector.

➡ **Related Links**
- "Changing the Moderator" p.36

Solutions When the Projected Screen is Not Shared

If the image sharing function does not work properly, try the following solutions.

- Make sure your projector supports image sharing function to deliver the current projected screen. See the *User's Guide* supplied with the projector for more details.
- Close running projector functions.
- Make sure the image being projected is not protected by copyrights.
- To share the image while projecting your computer's screen, turn on **Share the projected image while mirroring your device's screen** in **App Settings** and then become the moderator.

➡ **Related Links**
- "Sharing the Projected Screen" p.30

Appendix

See these sections to learn more about the Epson iProjection app.

» Related Links
- "Uninstalling the Epson iProjection App"
- "Getting the Latest Version of the Guide"
- "Limitations"
- "Notices"

Follow the instructions below to uninstall the Epson iProjection app.

1 Turn on your computer.

2 Select the launcher icon ⊙ in the lower left corner of your screen and then the up arrow ⌃.

3 Right-click the Epson iProjection app.

> 📝 In the tablet mode, tap the app with two fingers.

4 Select **Uninstall** or **Remove from Chrome**.

5 Select **Uninstall** or **Remove**.

Updates to this guide may be available on the Epson Web site.

> You can find app help and support information by clicking the hamburger menu icon ≡ in the upper left corner of the app screen and selecting **Support**. You can also access this guide by selecting **Manual** in **Support**.

Check these sections for restrictions applied when projecting computer images while using the Epson iProjection app.

▸ **Related Links**
- "Connection Limitations"
- "Limitations in Chromebooks"

Connection Limitations

Note the following limitations when using the Epson iProjection app.

- You can connect up to four projectors to one computer and project simultaneously. (Multi-screen is not supported.)
- You can connect up to 50 devices to a projector simultaneously, such as computers, smartphones and tablets using the Epson iProjection app.
- Audio cannot be transferred to the connected projector.
- If the transmission speed of the wireless LAN is low, the network may disconnect unexpectedly.
- There are times when the image on the computer screen and the image projected by the projector may not match exactly.

Limitations in Chromebooks

Depending on your operating system, the following limitations may apply when using the Epson iProjection app with your Chromebook.

- When you try to start the Epson iProjection app using the share function of another app, it may not be started, or the files may not be read correctly even if the app is started.
- The shared whiteboard may not work properly.
- When you initiate a screen capture during mirroring (with a screen recorder app for example), the projected image is stopped.
- The Epson iProjection app icon in the shelf may change to a gear icon when you need to set options in **Settings**.

- Toggling between laptop mode and tablet mode during operation is not supported.
- The sleep warning screen may not appear.
- If you use a mouse to drag items on the **Multi Device Projection** screen, dragging using the touch screen may stop working and vice versa. Press any key or tap anywhere on the screen to restore the functionality.
- The image may not be projected normally during screen mirroring on Android 11.

> You can check the Android version of your Chromebook from Settings ⚙ > **Google Play Store** > **Manage Android preferences** > **System** > **About device** > **Android version**.

- Popup messages may not appear.
- If you change the access point that you are connecting to, the projector may not be automatically displayed on the search screen.

Check these sections for important notices about your software.

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