



Easy Interactive Tools Ver.4.0 Operation Guide



Easy Interactive Tools Ver.4.0 Operation Guide

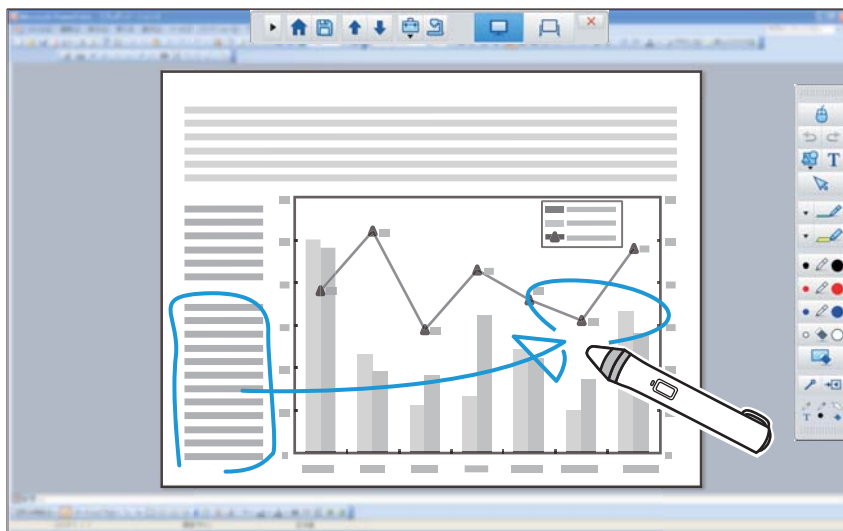
Features

Easy Interactive Tools is an application that allows you to draw on projected images.

By using the interactive pen supplied with the projector, the following drawing functions become available. You can also use your finger to draw on the projected image if your projector supports touch operations.

Drawing on the projected image (Annotation mode)

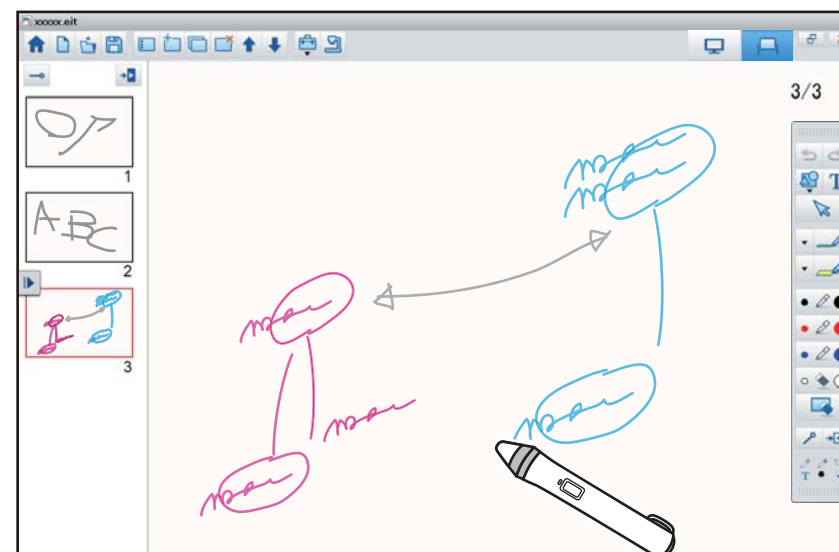
Annotation mode allows you to add points and notes to the projected image. By using illustrations, images, and graphics, you can enhance classroom lessons and create more appealing presentations.



☛ "Drawing in Annotation mode" p.9

Drawing on a plain background (Whiteboard mode)

Whiteboard mode allows you to add text or images to a solid color background. You can also select different backgrounds such as grid lines or music sheet. Lined backgrounds could be useful for writing minutes or documents during a meeting.



☛ "Drawing in Whiteboard mode" p.11

Useful functions

- Operate the computer's mouse
 - ☛ "Operating a mouse from the projected image (mouse operations)" p.10
- Control devices connected to a computer, such as a projector or document camera
 - ☛ "Tool Panel Functions" p.15
 - ☛ "Camera Screen" p.17

- Edit content drawn on the projected screen
☛ "Adjusting and Editing Shapes and Images" [p.24](#)
- Save the content you created as a PowerPoint slide
☛ "Slideshow Drawing Tool" [p.25](#)

- Use for teleconferencing

When you connect the projector to a computer over a network using EasyMP Network Projection or EasyMP Multi PC Projection, you can share the projected screen with a remote location.

When used with Easy Interactive Tools, you can share annotations and drawings made on the projected screen with multiple locations. (Interactive pen and touch operations are only supported by EasyMP Network Projection.)

For more information about EasyMP Network Projection and EasyMP Multi PC Projection, visit <http://www.epson.com>.

System Requirements

Windows

OS	Windows Vista*	Ultimate 32-bit Enterprise 32-bit Business 32-bit Home Premium 32-bit Home Basic 32-bit
	Windows 7	Ultimate 32-/64-bit Enterprise 32-/64-bit Professional 32-/64-bit Home Premium 32-/64-bit Home Basic 32-bit
	Windows 8	Windows 8 32-/64-bit Windows 8 Pro 32-/64-bit Windows 8 Enterprise 32-/64-bit

	Windows 8.1	Windows 8.1 32-/64-bit Windows 8.1 Pro 32-/64-bit Windows 8.1 Enterprise 32-/64-bit
CPU	Intel Core2 Duo 1.2 GHz or faster Recommended: Intel Core i3 or faster	
Amount of Memory	1 GB or more Recommended: 2 GB or more	
Hard Disk Space	100 MB or more	
Display	Resolutions no lower than XGA (1024 x 768) and no higher than WUXGA (1920 x 1200) Display color of 16-bit color or more	

* Service Pack 2 or later

OS X

OS*	OS X 10.7.x OS X 10.8.x OS X 10.9.x OS X 10.10.x	
CPU	Intel Core2 Duo 1.2 GHz or faster Recommended: Intel Core i5 or faster	
Amount of Memory	1 GB or more Recommended: 2 GB or more	
Hard Disk Space	100 MB or more	
Display	Resolutions no lower than XGA (1024 x 768) and no higher than WUXGA (1920 x 1200) Display color of 16-bit color or more	

* QuickTime 7.7 or later is required.

Installing



- Install the software as a user with administrator authority.
- Close all running applications and then start the installation.
- When operating a document camera in Easy Interactive Tools, you can set the display format for the Command Bar that is suitable for cameras. On the installation screen, set Main Instructions to **Drawing on the Camera screen**. (You can change this setting from the **General Settings** tab on the **Settings** screen.)

Windows


- 1** Turn on your computer.
- 2** Insert the EPSON Document Camera Software CD-ROM into your computer.
The installer starts automatically. If the installer does not start automatically, double-click the **EIN_TTWInst.exe** file in the CD-ROM drive.
- 3** Follow the on-screen instructions to install.

OS X

- 1** Turn on your computer.
- 2** Insert the EPSON Document Camera Software CD-ROM into your computer.
- 3** Double-click the **Install Navi** icon in the EPSON window.
- 4** Follow the on-screen instructions to install.



You need to install Easy Interactive Driver for OS X. Select Easy Install and install Easy Interactive Driver.

 Projector's User's Guide

When using EB-465i/EB-460i/EB-455Wi/EB-450Wi/BrightLink 455Wi/BrightLink 450Wi, use Easy Interactive Driver Ver. 1.XX.



See the following website for the latest Easy Interactive Tools version, as well as information on supported projectors. <http://www.epson.com>

Uninstalling

Windows Vista/Windows 7

- 1** Click **Start**, and then **Control Panel**.
- 2** Click **Uninstall a program**.
- 3** Select **Easy Interactive Tools Ver.X.XX**, and then click **Uninstall**.

Windows 8/Windows 8.1

- 1** Select **Search** on the Charms, and then search for **Easy Interactive Tools Ver.X.XX**.
- 2** Right-click (press and hold) **Easy Interactive Tools Ver.X.XX**, and then select **Uninstall** from the app bar.
- 3** Select **Easy Interactive Tools Ver.X.XX**, and then select **Uninstall**.

OS X

- 1** Double-click **Applications - Easy Interactive Tools Ver.X.XX**.
- 2** Run **Easy Interactive Tools Uninstaller** from the **Tools** folder.
- 3** Follow the on-screen instructions to uninstall.

Starting Easy Interactive Tools

Make the following preparations before starting Easy Interactive Tools.



The projector's setting method and items varies depending on the model being used. Also, models that do not support network connection cannot be connected to over a network. For more details, see the projector's User's Guide.

When connecting a computer to the projector with a USB cable

- Connect the USB cable to the computer's USB port and the projector's USB-B port.
- Set the **Extended** settings from the projector's Configuration menu.

When connecting a computer to the projector over a network

- Make network settings so that the computer can connect to the network.
- Connect a wireless LAN unit or a LAN cable so that the projector can connect to the network.
- Set the **Network** settings from the projector's Configuration menu.
- Install EasyMP Network Projection or EasyMP Multi PC Projection from the EPSON Projector Software CD-ROM supplied with the projector.
- If you are connecting using EasyMP Network Projection, open the Set options screen, select the **General settings** tab, and then select **Use Interactive Pen** and **Use Easy Interactive Tools**.
- If you are connecting using EasyMP Multi PC Projection, open the Set options screen, select the **General settings** tab, and then select **Use Easy Interactive Tools**.

1 Turn on the projector and project images from the computer.

2 Start Easy Interactive Tools on the computer.

- **Windows Vista/Windows 7:** Select **Start - Programs (or All Programs) - EPSON Projector - Easy Interactive Tools Ver.X.XX**.
- **Windows 8/Windows 8.1:** On the **Start** screen or the **App** screen, click (tap) **Easy Interactive Tools Ver.X.XX**.
- **OS X:** From the **Applications** folder, double-click **Easy Interactive Tools Ver.X.XX**.

Easy Interactive Tools starts, and the Home screen is displayed.



If you start Easy Interactive Tools while playing a movie, the movie playback screen may turn black. Restart the application software that is playing the movie.

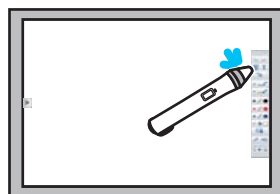
Operating the Interactive Pen

You can use the interactive pen supplied with the projector to operate the Easy Interactive Tools.

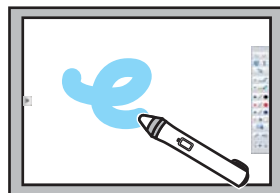
The functions and shape of the interactive pen differ depending on the model with which it was supplied. For more details, see the projector's User's Guide.

Check that there is a battery in the interactive pen, and then turn it on.

Press the pen tip button to the screen to select an icon.



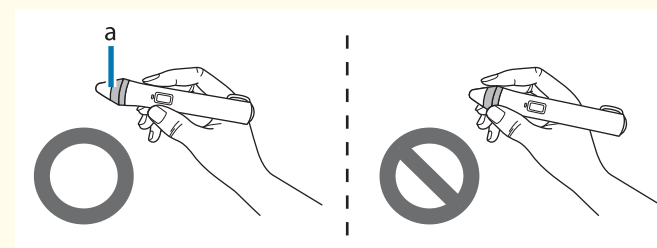
Press and move the pen on the screen to draw.



- You can use two interactive pens at the same time. However, you can only use one in the following situations:
 - While connected to a network
 - When using EB-465i/EB-460i/EB-455Wi/EB-450Wi/BrightLink 455Wi/BrightLink 450Wi
- You can operate Easy Interactive Tools with up to six devices at the same time, such as a mouse connected to a computer. For OS X, you can operate with up to three devices.
- The following operations can only be performed by one device:
 - Operations on the Home screen, Settings screen, Camera screen, Insert image screen, and Select background screen
 - Adjusting and editing identical shapes and images
 - Using menus
 - Entering text
 - Operations on a window displayed in Whiteboard mode

Attention

Do not hold the nib section (a) of the interactive pen, or allow it to be cracked or dirty. Otherwise, the interactive pen may fail to operate.



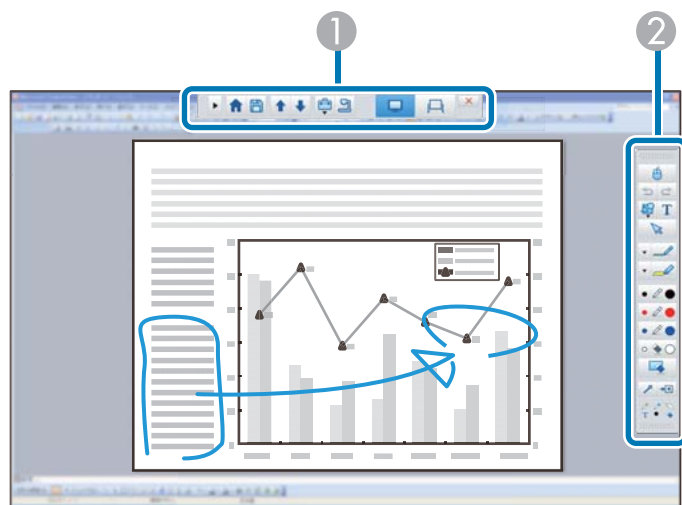
Touch Operations

On projectors that support touch operation, you can use your finger to perform the same functions as the interactive pen.

When performing touch operations, you can also use two fingers for multi-touch operations such as enlarging or reducing the image. The projector recognizes up to six multi-touch points. When a group of people are performing touch operations, all members must use the same drawing tool.

Drawing

Select a function from the Command Bar and the Drawing Toolbar.



1 Command Bar

Allows you to change mode, save files, control connected devices, and make a variety of settings.

2 Drawing Toolbar

Allows you to select the thickness and color of the pen lines, and select graphics or text for the drawing area.

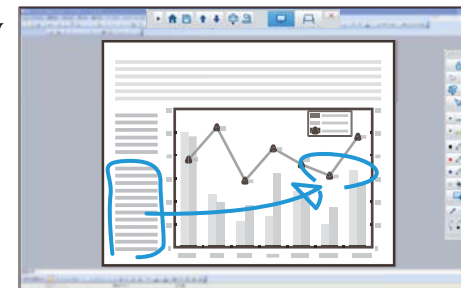
Two drawing modes

Easy Interactive Tools provides two drawing modes. When you change the mode, the screen changes as shown below.

Annotation mode

Allows you to draw on the image currently displayed on the computer. This is useful when you need to emphasize certain points or add notes.

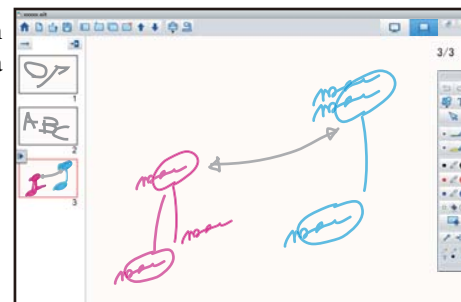
You can also draw on images from a document camera.



Whiteboard mode


Allows you to display and draw on a plain screen. You can treat the drawing area as a page, and create multiple pages to draw on.

You can also save your drawings as a file and open them again later.




Drawing in Annotation mode


This section explains how to draw on images from a computer's screen or document camera in Annotation mode.


1 Select **Desktop annotation** on the Home screen or [] from the Command Bar.

Annotation mode starts and the computer's screen is displayed.





To draw on images from a document camera, select **Camera** on the Home screen, or [] from the Command Bar. The image from the document camera is displayed on the Camera screen.


 "Camera Screen" [p.17](#)

2 Select [] on the Drawing Toolbar.



3 Draw on the projected image.




To change the color and thickness of the pen lines, select [] next to [] to display the pen palette.

Once you have selected the color and thickness, select [] to close the pen palette.

4 To erase drawings, select [] or [] from the Drawing Toolbar.


- When you select []: You can use the interactive pen as an eraser.
- When you select []: All of the current drawings are erased.

5

To save the content of your drawing, select [] from the Command Bar.

You can save the displayed screen in JPG, BMP, PNG, PDF, or EIT format.


You can set the save location, file name, and the file format on the **Save Settings** tab on the Settings screen.

 "Save Settings tab" [p.20](#)



If you open an EIT file on another computer that has a different display resolution, some parts of the drawings may not be displayed.

Operating a mouse from the projected image (mouse operations)


When you select [] from the Drawing Toolbar in Annotation mode, you can operate the computer from the projected image (mouse operations).

When mouse operations is activated, you can use the interactive pen to perform operations such as click, right-click, and drag & drop.

- Click: Press and remove the pen tip from the projected image.
- Right-click: Press the right button on the interactive pen, or hold the pen tip to the projected image for a few seconds and then remove the pen tip from the image.
- Drag & drop: Press the pen tip to the icon or object that you want to move, drag the pen tip to where you want to move the object, and then remove the pen tip from the projected image.




- You cannot use the drawing functions when performing mouse operations.

- To use the drawing functions, select [] again.



Drawing in Whiteboard mode


This section explains how to draw on a plain page in Whiteboard mode.

In Whiteboard mode, you can add pages from the Command Bar, as well as display the page list screen where you can perform page operations.




- 1** Select **New** on the Home screen or [] from the Command Bar.


Whiteboard mode starts, and a new page is displayed.



 To open a previously saved file, select **Open** on the Home screen or [] from the Command Bar.


- 2** Select [] on the Drawing Toolbar.


- 3** Draw on the page.

 To change the color and thickness of the pen lines, select [] next to [] to display the pen palette.

Once you have selected the color and thickness, select [] to close the pen palette.

- 4** To erase drawings, select [] or [] from the Drawing Toolbar.

- When you select []: You can use the interactive pen as an eraser.

- When you select []: All of the current drawings are erased.

- 5** From the Command Bar you can add/delete, duplicate, or move pages.



Displays thumbnail images of the available pages.

- Select a thumbnail image: Changes the displayed page.
- Drag & drop a thumbnail image: Changes the display order.



Adds and displays a new page.



Duplicates the page currently displayed.




Deletes the page currently displayed.




Moves the page currently displayed up by one position.



Moves the page currently displayed down by one position.

- 6** To save the content of your drawing, select [] from the Command Bar.

When you use full display in Whiteboard mode, use [] to select **Save** or **Save As**.

Saves all pages with drawings in JPG, BMP, PNG, PDF, or EIT format.

If you want to edit a file again in the future, select EIT format.





If you open an EIT file on another computer that has a different display resolution, some parts of the drawings may not be displayed.

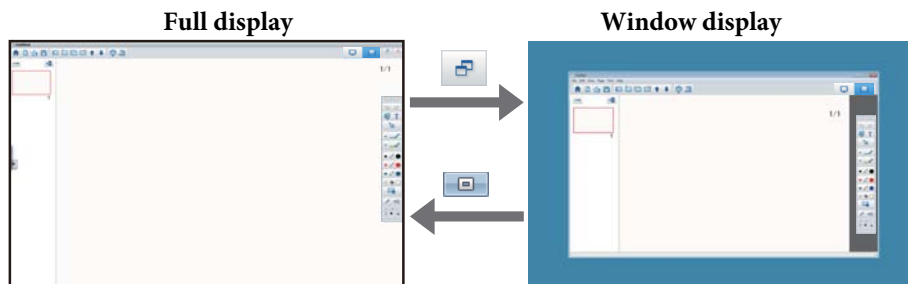
Save Format	Save Unit
JPG/BMP/PNG	Saves all pages by treating one page as one file.
PDF/EIT	Saves all pages in one file.

You can set the save location, file name, and the file format on the **Save Settings** tab on the Settings screen.

☞ "Save Settings tab" [p.20](#)

Changing between full display and window display



When you select []/[] from the Command Bar in Whiteboard mode, you can change the drawing screen between full display and window display.

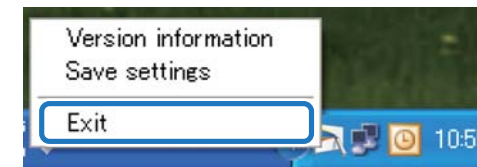



- During window display, you can only use one interactive pen.
- During window display, operations outside the window become computer mouse operations.

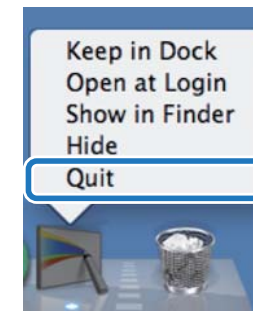
Exiting Easy Interactive Tools

You can exit Easy Interactive Tools using one of the following methods.

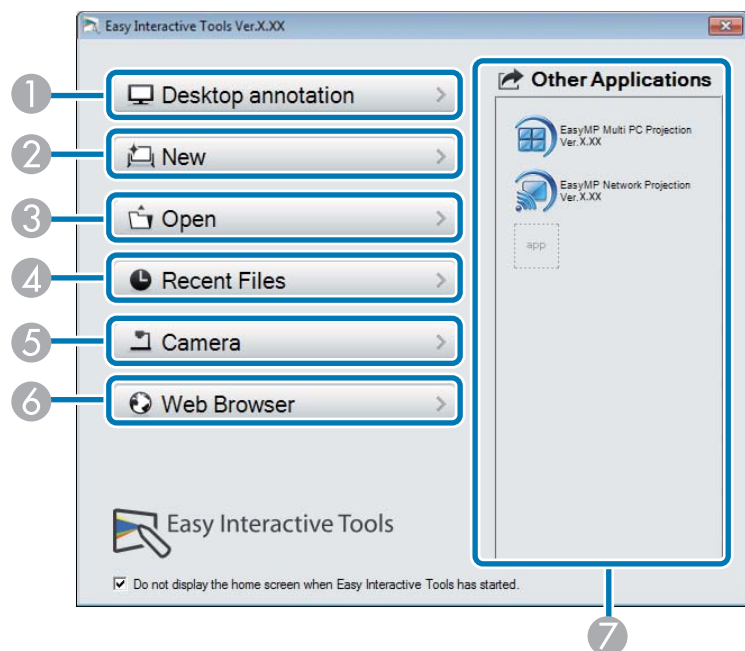
- Click [] from the Command Bar.
- **Windows:** Click [] on the task tray, and then click **Exit** from the popup menu.



- **OS X:** Control-click [] in the Dock, and then click **Quit** from the popup menu.



You can perform the following functions on the Home screen.



1 Desktop annotation

Annotation mode starts and the computer's screen is displayed.

2 New

Whiteboard mode starts and a new file is displayed.

3 Open

Whiteboard mode starts and you can open a file saved previously. You can select EIT files, or .avi files for Windows or .mov files for OS X.

4 Recent Files

Whiteboard mode starts and the most recently saved file is opened. You can select EIT files, or .avi files for Windows or .mov files for OS X.

5 Camera

Annotation mode starts and the image from the document camera is projected.

6 Web Browser

Annotation mode starts and the computer's Web browser starts.

7 Other Applications

You can register up to six shortcuts for frequently used applications.

You can register an application by simply dragging & dropping the shortcut icon into an empty frame. To remove a registered application, drag & drop the icon off the Home screen.

When EasyMP Network Projection or EasyMP Multi PC Projection are installed on the computer, these applications are registered automatically. These applications cannot be removed.

You can perform the following functions from the Command Bar.

Annotation mode



Whiteboard mode



1 Home Screen



Displays the Home screen.

2 Save



Saves the displayed screen in JPEG, BMP, PNG, PDF, or EIT format. All pages are saved in Whiteboard mode. If you save in PDF or EIT format, all pages are saved as one file.

When you use full display in Whiteboard mode, use [] to select

Save or **Save As**.

You can change the save location from the **Save Settings** tab on the Settings screen. If you want to edit a drawing again in the future, save it in EIT format.



If you open an EIT file on another computer that has a different display resolution, some parts of the drawings may not be displayed.

☞ "Save Settings tab" [p.20](#)

3 Page up



4



During Annotation mode: Scrolls up in the selected document.

During Whiteboard mode: Moves the page currently displayed up by one position.

Page down

During Annotation mode: Scrolls down in the selected document.

During Whiteboard mode: Moves the page currently displayed down by one position.

5



Other tools

Displays the tool panel.

☞ "Tool Panel Functions" [p.15](#)

6



Camera

Displays the image from a document camera connected to the computer. See the following for more information on using the Camera screen.

☞ "Camera Screen" [p.17](#)

* This function supports the Epson document camera. For a list of supported document cameras, contact the nearest address provided in the Epson Projector Contact List in your projector's or document camera's User's Guide.

7



Annotation mode

Starts Annotation mode.

8



Whiteboard mode

Starts Whiteboard mode.


9



Exit

Quits Easy Interactive Tools.












You can change the size of the Command Bar by clicking [] in Annotation mode. When **Camera** is selected, the display format for the Command Bar is optimized for document camera operations.

The following functions are only available in Whiteboard mode.


10



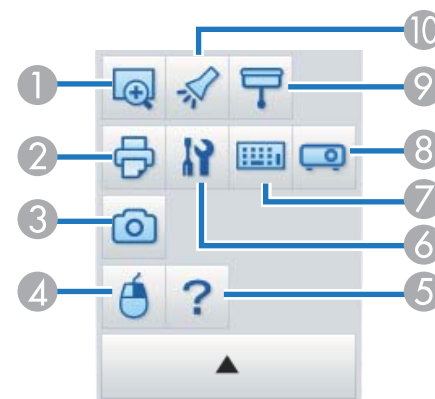
New

- ⑪  **Open**
Creates a new file.
Opens previously saved EIT files, or .avi files for Windows or .mov files for OS X.
- ⑫  **Page list**
Displays the page list screen.
When the interactive pen leaves the page list, the list is automatically minimized to the right or left of the screen. The page list is displayed again when the interactive pen moves to the minimized area.
If you select [], it changes to [], and the page list is locked in place.
Select [] to close the page list.
- ⑬  **New page**
Adds a new page after the page currently displayed.
- ⑭  **Copy page**
Duplicates the page currently displayed and adds it after the current page.
- ⑮  **Delete page**
Deletes the page currently displayed.
- ⑯  **Window Display**
Switches the drawing screen between full display and window display.

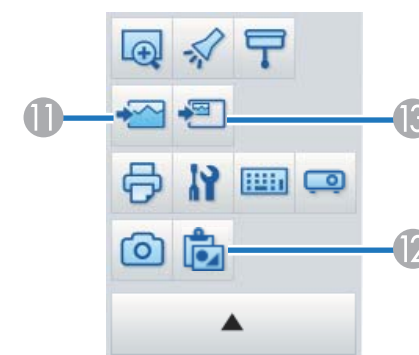
Tool Panel Functions







The following panel is displayed when you select [] from the Command Bar.

Annotation mode



Whiteboard mode



- ①  **Enlarge Area**
Displays an enlarged view of the image. Drag the cursor to select the area you want to enlarge.
- ②  **Print**
Prints the screen currently displayed. All pages are printed when you use Whiteboard mode. You can also select the pages you want to print on the print settings screen.
- ③  **Capture**
Captures the currently displayed screen and copies it to the clipboard. The clipboard holds only one item at a time.
-  When displaying a window in Whiteboard mode, any notes drawn outside the window frame are not copied.
- ④  **Right click**
(This is only available during mouse operations in Annotation mode.)
A pen click functions as a right-click only once, and then returns to a normal click.
- ⑤  **Help**

(This is only available during mouse operations in Annotation mode.)

Displays the Help.

6



Settings

Opens the Settings screen.

☛ "Settings Screen" [p.18](#)

7



Input Panel

Displays a virtual keyboard on the screen. You can enter characters and control the computer from the virtual keyboard by selecting the keys.

8











Projector Control

Select the following buttons to control the projector.

When controlling a projector that is connected to a computer over a network, set the network information for the projector on the **Projector Settings** tab on the Settings screen.

☛ "Projector Settings tab" [p.22](#)


- []: Changes to the images from the device connected to the computer port.
- []: Changes to the images from the device connected to the video port.
- []: Changes to the images from the device connected over a network.
- []: Changes to the images from the device connected to the USB port.
- []: Pauses or plays the image being projected.
- []: Temporarily turns off/on the images and audio being projected.
- []: Increases the volume output from the projector.
- []: Decreases the volume output from the projector.

9



Shade

Covers the projected image with a shade. You can drag the four sides to change the shaded area.


Click [] to exit shade.

10






Spotlight

Emphasizes part of the projected image using a spotlight effect. You can drag the spotlight frame to change the emphasized area.


Click [] to exit spotlight.

You can change the shape of the spotlight from the **General Settings** tab on the Settings screen.

The following functions are only available in Whiteboard mode.

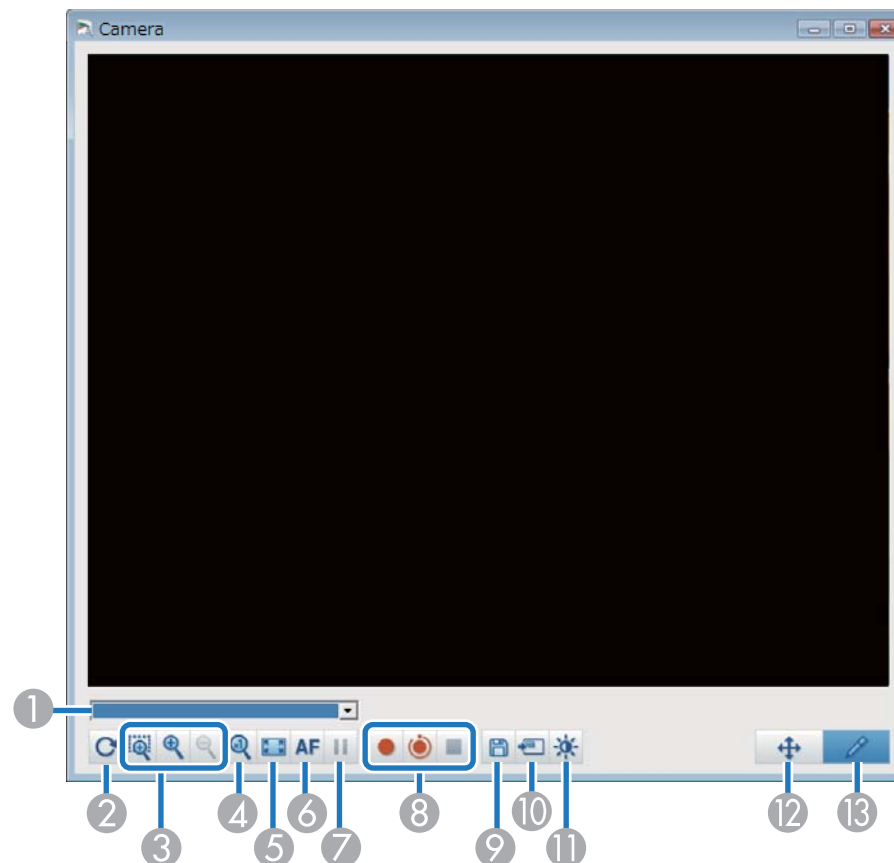
- 11  **Select background**
Allows you to select a background from the nine patterns provided. You can also select to show a still image of your current desktop, an image file, or an image from the document camera as the background image.
- 12  **Paste**
Pastes data from the clipboard to the currently displayed page.
- 13  **Insert image**
Select the image you want to insert into the currently displayed page. You can select a file in JPG, BMP, or PNG format.

Camera Screen




The Camera screen is displayed when you select [] from the Command Bar.

The Camera screen allows you to display images from a document camera connected to the computer. You can make adjustments such as changing the size and brightness of the image, and then save as an image or movie file.

* The functions available differ depending on the document camera being used.




- 1 **Select camera**
Displays a list of the document cameras connected to the computer. Select the document camera you want to use to project images in the Camera screen.
- 2 **Rotate**
Rotates the image by 180 degrees.
- 3 **Larger/Smaller**

- []: Drag the cursor to select the area you want to enlarge. The enlarged image is displayed in a new window. You cannot record or save the image in the new window.
- []: Enlarges the image.
- []: Reduces the image.

4 x1

Displays the image at its actual size without any enlargement or reduction.

5 View full screen

Switches the Camera screen to full screen display. Click [] to switch back to the window display.




6 Auto Focus

Adjusts the image focus automatically.

7 Freeze

Pauses the image temporarily.

8 Record

- []: Records document camera images (except for drawings) and audio. While recording, the recording time is displayed at the lower right of the camera image. If audio is not recorded, set the audio input device on the **Camera Settings** tab on the Settings screen.
☛ "Camera Settings tab" [p.21](#)
- []: Records document camera images (except for drawings) at one second intervals. Audio is not recorded.
- []: Stops recording.

The recorded image is saved in .avi format for Windows and .mov format for OS X.

You can set the save location for the recorded image on the **Camera Settings** tab on the Settings screen.

☛ "Camera Settings tab" [p.21](#)

9 Save Still Image

Saves the image (including drawings) currently being displayed as a still image.




10 Use current image

Pastes the current document camera image onto a page in Whiteboard mode.

* This is unavailable when **Camera** is set as the display format for the Command Bar.

11 Picture Quality

Displays the Picture Quality window.

- []: Adjusts the contrast of the image. Move the slider to the right to increase the contrast, and to the left to decrease the contrast.
 - []: Adjusts the brightness of the image. Move the slider to the right to increase the brightness, and to the left to decrease the brightness.
 - []: Adjusts the white balance (tint) of the image. To increase the strength of the blue tint in the image, move the slider to the right. To increase the strength of the red tint in the image, move the slider to the left. When **Auto White Balance** is selected, the white balance for the image is adjusted automatically.
 - Reset: Restores the brightness, contrast, and white balance settings to their default settings.
- * This is not available if the connected document camera does not have a brightness, contrast, or white balance adjustment function.



12 Pan/Tilt

Drag & drop to move the position of the image (only when an image is enlarged).

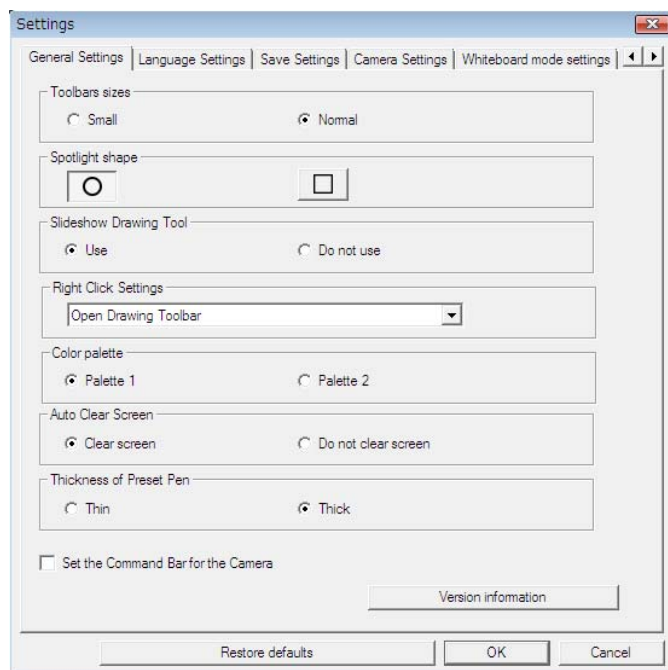
13 Drawing


Use the Drawing Toolbar to draw on the image.

Settings Screen

Select [] - [] from the Command Bar to display the Settings screen.

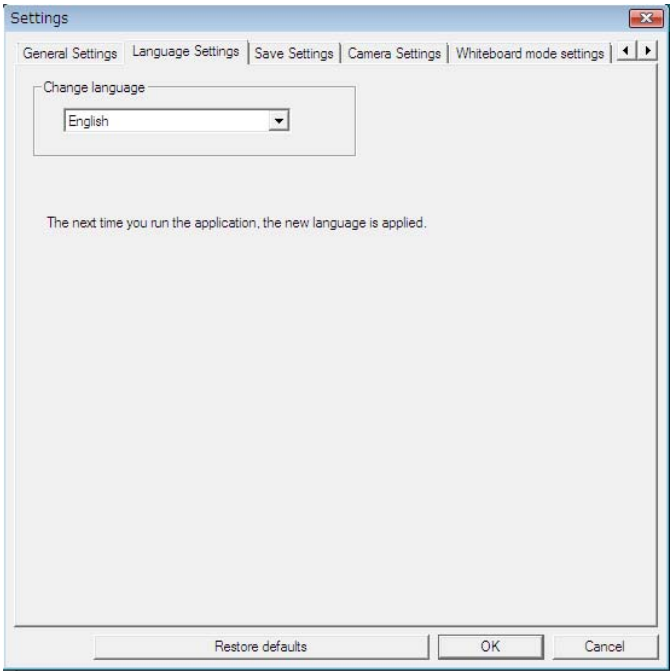
General Settings tab



Toolbars sizes	Sets the size of the toolbar to Small or Normal .
Spotlight shape	Sets the shape of the spotlight to a circle or square.
Slideshow Drawing Tool	Select to use the dedicated Slideshow drawing toolbar when projecting PowerPoint slides.  "Slideshow Drawing Tool" p.25

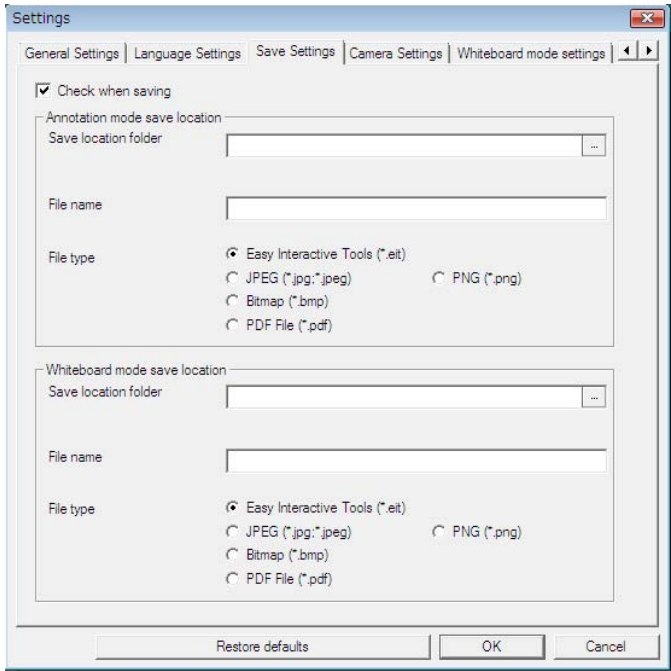
Right Click Settings	Set the operation performed when you right-click in the drawing area. <ul style="list-style-type: none"> • Open Drawing Toolbar: Displays the Drawing Toolbar at the position you right-clicked. • Change to Mouse Mode: Changes from the drawing function to the mouse operation function (during Annotation mode only). • Change Between Pen and Eraser: Changes between the drawing function and the eraser function. • Off: No operations are performed even if you right-click.
Color palette	Select Palette 2 to allow easy viewing for people with partial color blindness. Try Palette 2 if it is difficult to view colors using the default setting.
Auto Clear Screen	When Clear screen is selected, all the drawn content is erased when you perform the following operations. <ul style="list-style-type: none"> • Switching from drawing operations to mouse operations in Annotation mode • Clicking Page up or Page down
Thickness of Preset Pen	Select Thick or Thin to change the combination of line width for fine lines and thick lines for each black, red, and blue pen.
Set the Command Bar for the Camera	Set the display format for the Command Bar used for cameras.
Version information	Displays the version information for the Easy Interactive Tools you are using.

Language Settings tab (Windows only)



Change language	Sets the display language for Easy Interactive Tools. This setting takes effect after restarting Easy Interactive Tools.
-----------------	--

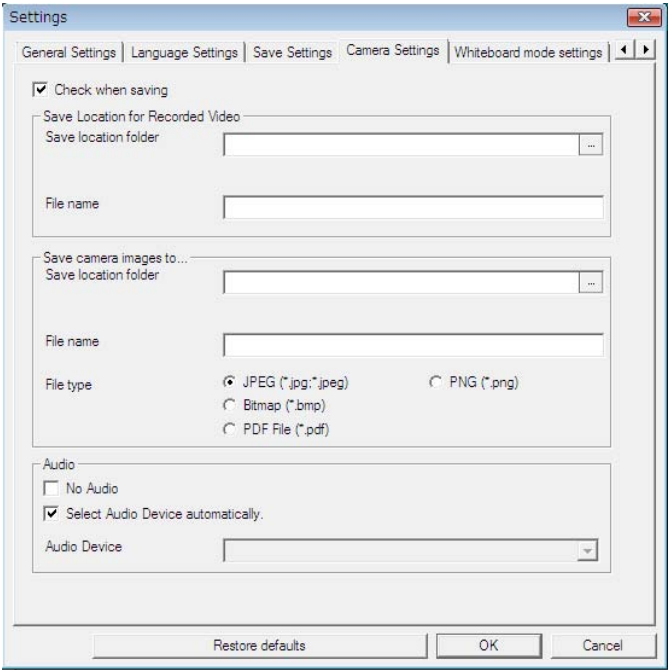
Save Settings tab



Check when saving	Select to display the screen where you can set the save location, file name, and file format when saving images.
Save location folder	Sets the folder where you want to save the screen. The following are the default folders for saving screens. Windows <startup_drive>:\users\<user_name>\Documents\Easy Interactive Tools OS X <startup_drive>:\Users\<user_name>\Documents\Easy Interactive Tools

File name	Sets the file name when saving the files. You can enter up to 32 characters. (The following symbols cannot be used: \/:*?"<>) A number and extension are added at the end of the file name when saving the file. Example: AAA0001.jpg
File type	Sets the file format when saving the files.

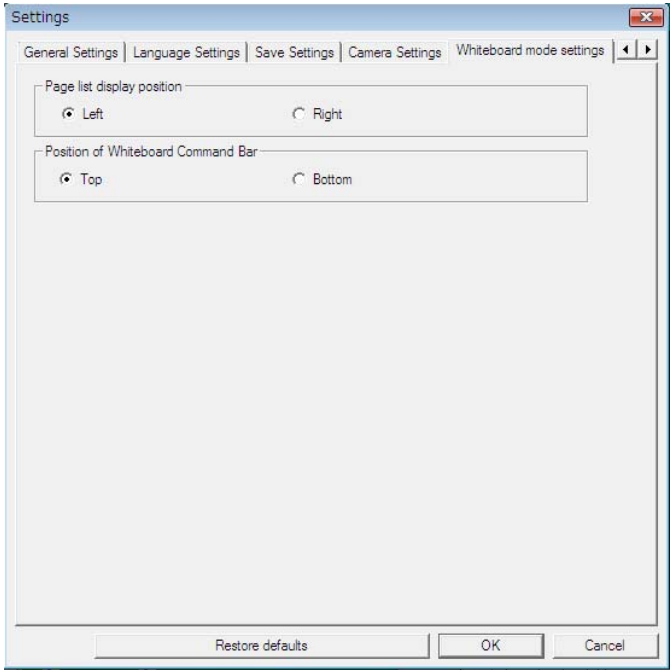
Camera Settings tab



Check when saving	Select to display the screen where you can set the save location and file name when saving movies or images.
-------------------	--

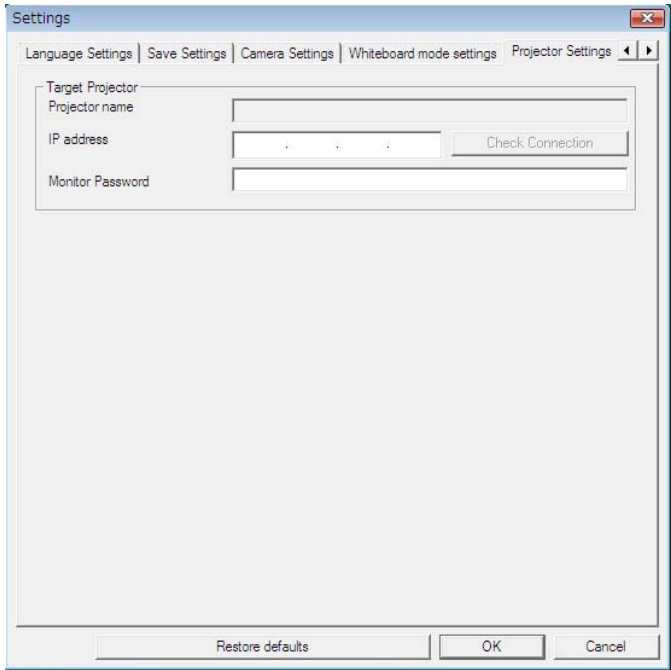
Save location folder	Sets the folder where you want to save the movie or image. The following are the default folders for saving movies or images. Windows <startup_drive>:\users\<user_name>\Documents\Easy Interactive Tools OS X <startup_drive>:\Users\<user_name>\Documents\Easy Interactive Tools
File name	Sets the file name when saving the files. You can enter up to 32 characters. (The following symbols cannot be used: \/:*?"<>) A number and extension are added at the end of the file name when saving the file. Example: AAA0001.avi
File type	Sets the file format when saving the files.
No Audio	Select if you do not want to record audio when recording movies.
Select Audio Device automatically	Select to automatically select the audio device being used when recording movies.
Audio Device	Select the audio device you want to use when recording images. This is unavailable when Select Audio Device automatically is selected.

Whiteboard mode settings tab



Page list display position	Sets the position where the page list is displayed in Whiteboard mode.
Position of Whiteboard Command Bar	Set the Command Bar display position.

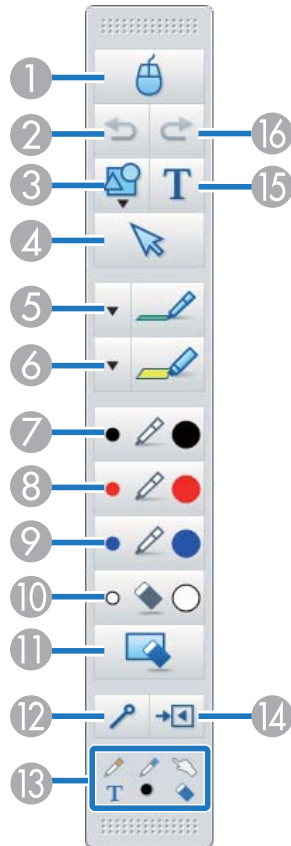
Projector Settings tab



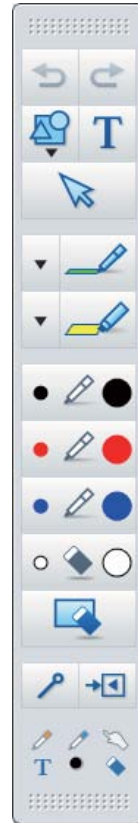
Projector name	Displays the target projector name (displays only).
IP address	Enter the IP address of the projector to be controlled by Easy Interactive Tools from the projectors connected to the network. Click the Check Connection button to connect to the specified projector.
Monitor Password	Enter the Monitor Password set for the projector. You can enter up to 16 single-byte alphanumeric characters. If the password is wrong, you cannot connect to the projector.

You can select the following functions from the Drawing Toolbar.

Annotation mode



Whiteboard mode



Mouse

(This is only available during Annotation mode.)

Switches from drawing operations to mouse operations, and the cursor on the computer screen becomes a normal mouse cursor. You can click and drag on the projected image using the interactive pen.

Click this icon again to return to drawing operations.



Undo

Undo the previous operation.



Shapes

Select the shape you want from the shapes provided. You can also select the color and line width of the shape.



Select

Select the drawn content or inserted image, and then perform operations such as moving the item or adjusting the size.



Pen

Switches to a pen to draw freely. Click [▼] on the left of the icon to change the color and width of the pen line.



Highlighter pen

Switches to a highlighter pen that can draw translucent lines. Click [▼] on the left of the icon to change the color and width of the highlighter pen line.



Black pen

Switches to a black pen to draw freely. Click on the right of the icon to draw thick lines, and click on the left of the icon to draw fine lines.



Red pen

Switches to a red pen to draw freely. Click on the right of the icon to draw thick lines, and click on the left of the icon to draw fine lines.



Blue pen

Switches to a blue pen to draw freely. Click on the right of the icon to draw thick lines, and click on the left of the icon to draw fine lines.



Eraser

Switches to an eraser. Click on the right of the icon to erase wider areas, and click on the left of the icon to erase narrower areas.



Clear screen

Clears everything drawn on the displayed page.






Always show toolbars

(This is unavailable when displayed on a window during Whiteboard mode.)

The Drawing Toolbar is always displayed.

13 Selected tool




Displays the tool selected in pen [] [] and touch [] as an icon. (Only when connected to a projector that supports pen and touch operations. The displayed content differs depending on the model being used.)

14 Close



(This is unavailable when displayed on a window during Whiteboard mode.)

Closes the Drawing Toolbar. The Command Bar is also closed during Annotation mode.

You can display the Drawing Toolbar again by selecting the Drawing Toolbar tab [] on the right or left side of the screen.

15 Add Text



Changes to text entry. Select the drawing area to display the text box.

16 Redo




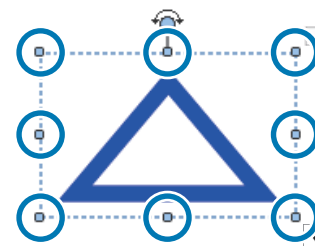
Cancels an undo operation and restores the previous status.

Adjusting and Editing Shapes and Images

You can adjust and edit figures, lines, and inserted images.

• Larger, Smaller

Select [] on the Drawing Toolbar, select the object, and then drag the points to enlarge or reduce.



When enlarging or reducing an object with your fingers, select the object, and then touch two of the points on the object. When enlarging, move your fingers apart to separate the two points. When reducing, move your fingers closer together.

• Rotate



Select [] on the Drawing Toolbar, select the object, and then rotate the points.







When rotating an object with your fingers, select the object, and then touch two of the points on the object. Move your fingers in the direction you want to rotate to the object.



When selecting a figure drawn with lines, make sure you select the solid line.

You can perform the following operations from the sub menu by selecting [] on the Drawing Toolbar, selecting the object, and then selecting [].

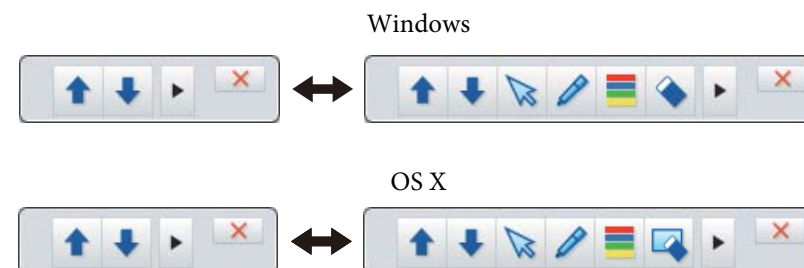
Duplicate	Creates an object identical to the selected object, and places it at the lower right of the original object. You can select multiple objects.
Infinite Cloning	Enters Infinite Cloning status in which you can copy selected objects by dragging & dropping. You can also enter this status by clicking [] at the top right of an object frame and set it to [].
Cancel Infinite Cloning	Cancels Infinite Cloning status when the selected object is in that status. You can also cancel Infinite Cloning status by clicking [] at the top right of an object frame and set it to [].
Copy	Copies the selected object to the clipboard. You can select multiple objects.
Paste	Pastes the copied object.
Edit	Edits the selected text.
Group	Groups multiple objects together to create one object.
Ungroup	Undoes the grouping performed using the Group function.
Bring to Front Send to Back Bring Forward Send Backward	Changes the overlapping order for the selected object. You can select multiple objects.
Delete	Deletes the selected object. You can select multiple objects.







Shortcut operations, such as pressing the [ctrl] + [A] key on the computer's keyboard, are not supported.

Slideshow Drawing Tool

When a PowerPoint slideshow is started, the Drawing Toolbar changes as shown below allowing you to use PowerPoint drawing tools.



Click [] [] at the left or right of the screen to change the display position of the drawing tools.

- []: Displays the drawing tools at the left of the screen.
- []: Displays the drawing tools at the right of the screen.

When using Windows, you can save a PowerPoint slide with drawn content.

When using OS X, you can only draw.



- Make sure you start Easy Interactive Tools before starting a PowerPoint slideshow.
- You can make settings to choose whether or not to use the PowerPoint drawing tool on the **General Settings** tab.
 - ☛ "General Settings tab" [p.19](#)

The following PowerPoint versions are supported.

Windows	Microsoft PowerPoint 2003/2007/2010/2013
OS X	Microsoft PowerPoint 2008/2011

Problem	Solution
Characters become garbled after changing the language.	<p>Characters become garbled if fonts for the language you are using are not available on your operating system. Select Restore defaults on the Settings screen to restore the default settings.</p> <p>☞ "Settings Screen" p.18</p>
One person cannot operate their pen when two people are using interactive pens.	<p>During the following operations, only one person can use the interactive pen.</p> <ul style="list-style-type: none"> • When window display is being used during mouse operations or Whiteboard mode • While performing operations on the Home screen, Settings screen, Camera screen, Insert image screen, and Select background screen • While adjusting and editing identical shapes and images • While using menus • While adding text
Cannot draw on the Keynote slide presentation.	You cannot draw on the Keynote slides in OS X.
Cannot display images correctly in Enlarge Area.	<p>The following restrictions apply.</p> <ul style="list-style-type: none"> • Applications that use the Microsoft DirectX function may not display correctly when using Enlarge Area. (Windows Vista only) • DVD player images cannot be displayed correctly in Enlarge Area. (OS X 10.7.x only)
Cannot save or print images from Media Player.	<p>The following restrictions apply.</p> <ul style="list-style-type: none"> • Applications that use the Microsoft DirectX function may not be able to save or print images correctly. • DVD player images cannot be saved or printed correctly. (OS X 10.7.x only)
Cannot read some of the drawings when opening an EIT file.	<ul style="list-style-type: none"> • If you open the EIT file on another computer that has a different display resolution, parts of the drawings may not be displayed. Open the EIT file on a computer that has the same display resolution. • The EIT file may have been corrupted. Create the drawings again.
Cannot playback recorded movies correctly.	<ul style="list-style-type: none"> • Use Windows Media Player to play movies recorded on Windows operating systems. • Use QuickTime Player 7.7 or later to play movies recorded on OS X operating systems. <p>* Depending on the document camera being used, audio is not recorded.</p>

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Seiko Epson Corporation. No patent liability is assumed with respect to the use of the information contained herein. Neither is any liability assumed for damages resulting from the use of the information contained herein.

Neither Seiko Epson Corporation nor its affiliates shall be liable to the purchaser of this product or third parties for damages, losses, costs, or expenses incurred by the purchaser or third parties as a result of: accident, misuse, or abuse of this product or unauthorized modifications, repairs, or alterations to this product, or (excluding the U.S.) failure to strictly comply with Seiko Epson Corporation's operating and maintenance instructions.

Seiko Epson Corporation shall not be liable against any damages or problems arising from the use of any options or any consumable products other than those designated as Original Epson Products or Epson Approved Products by Seiko Epson Corporation.

The contents of this guide may be changed or updated without further notice.

Illustrations in this guide and the actual projector may differ.

Regarding the use of names

Microsoft® Windows Vista® operating system

Microsoft® Windows® 7 operating system

Microsoft® Windows® 8 operating system

Microsoft® Windows® 8.1 operating system

In this guide, the operating systems above are referred to as "Windows Vista", "Windows 7", "Windows 8" and "Windows 8.1". Furthermore, the collective term Windows may be used to refer to Windows Vista, Windows 7, Windows 8, and Windows 8.1 and multiple versions of Windows may be referred to as, for example, Windows Vista/7/8, with the Windows notation omitted.

OS X 10.7.x

OS X 10.8.x

OS X 10.9.x

OS X 10.10.x

In this guide, the operating systems above are referred to as "Mac OS X 10.7.x", "Mac OS X 10.8.x", "Mac OS X 10.9.x", and "Mac OS X 10.10.x". Furthermore, the collective term "OS X" is used to refer to them all.

General Notice:

Keynote, Mac, Mac OS, and OS X are registered trademarks of Apple Inc.

Microsoft, DirectX, Microsoft Office, PowerPoint, Windows, and Windows Vista are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

Other product names used herein are also for identification purposes only and may be trademarks of their respective owners. Epson disclaims any and all rights in those marks.

Open Source Software License

zlib

This projector product includes the open source software program "zlib" which applies the terms and conditions provided by owner of the copyright to the "zlib".

The "zlib" are WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

List of zlib programs

zlib-1.2.8

License terms of conditions of each program which are provided by owner of the copyright to the "zlib" are as follows.

Copyright notice:

(C) 1995-1998 Jean-loup Gailly and Mark Adler

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly
jloup@gzip.org

Mark Adler
madler@alumni.caltech.edu

If you use the zlib library in a product, we would appreciate *not* receiving lengthy legal documents to sign. The sources are provided for free but without warranty of any kind. The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include third-party code.

If you redistribute modified sources, we would appreciate that you include in the file ChangeLog history information documenting your changes.

©SEIKO EPSON CORPORATION 2015. All rights reserved.

412963700EN