



Easy Interactive Tools Ver.3.0 Operation Guide



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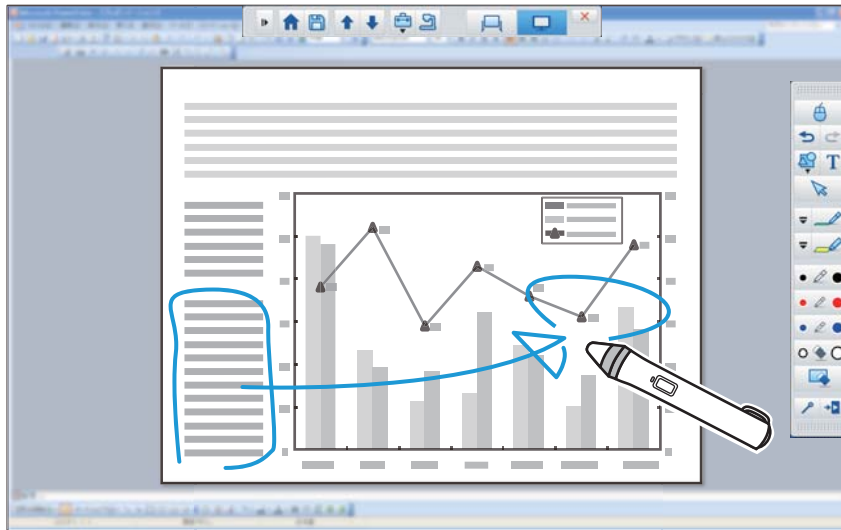
Features

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)

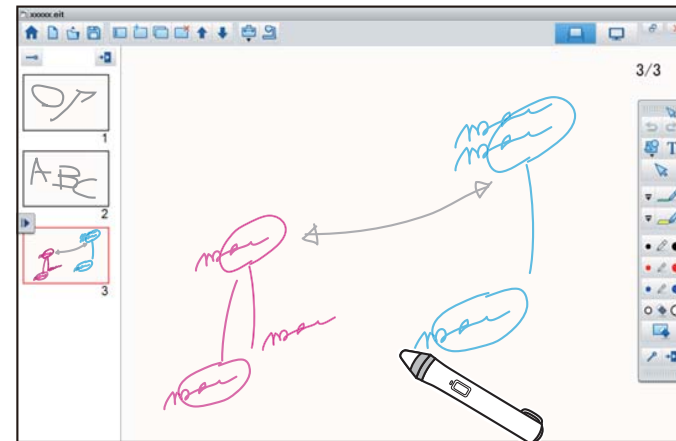
Annotation mode allows you to add points and notes to the projected image. By using illustrations, images, and graphics, you can enhance classroom lessons and create more appealing presentations.



☛ "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, from the projected image
 - ☛ "Tool Panel Functions" p.15
 - ☛ "Camera Screen" p.17
- Edit content drawn on the projected screen
 - ☛ "Adjusting and Editing Shapes and Images" p.23

- Save the content you created as a PowerPoint slide
 "Slideshow Drawing Tool" [p.24](#)

- 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 XP*	Professional 32-bit Home Edition 32-bit Tablet PC Edition 32-bit
	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 Pentium M 1.6 GHz or faster Recommended: Intel Core2 Duo 1.2 GHz or faster	
Amount of Memory	512 MB or more Recommended: 1 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*	Mac OS X 10.5.x Mac OS X 10.6.x OS X 10.7.x OS X 10.8.x OS X 10.9.x
CPU	Power PC G4 1.5 GHz or faster Recommended: Intel Core Duo 1.5 GHz or faster
Amount of Memory	512 MB or more Recommended: 1 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.

Windows

- 1** Turn on your computer.
- 2** Insert the EPSON Projector Software for Easy Interactive Function 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 Projector Software for Easy Interactive Function 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 XP

- 1** Click **Start**, and then **Control Panel**.
- 2** Double-click **Add/Remove Programs**.
- 3** Select **Easy Interactive Tools Ver.X.XX**, and then click **Remove**.

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

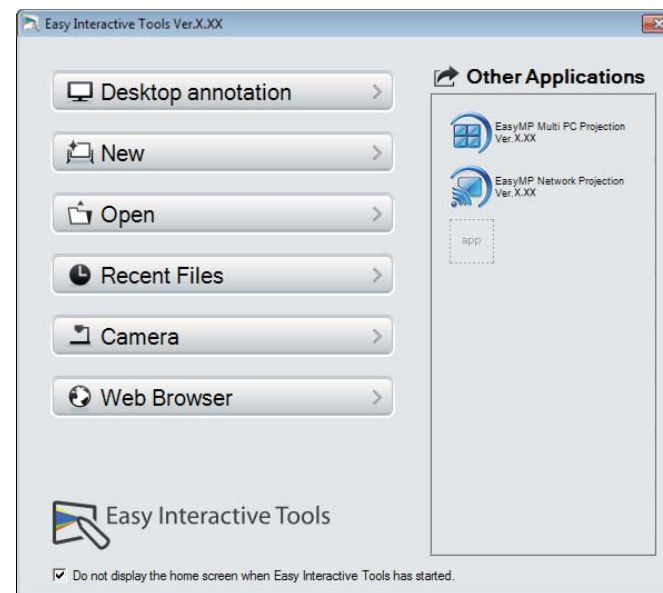
- Make network settings so that the computer can connect to the network.
- Connect a wireless LAN unit or a LAN cable so that the projector can connect to the network.
- Set the **Network** settings from the projector's Configuration menu.
- Install EasyMP Network Projection or EasyMP Multi PC Projection 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 XP/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.

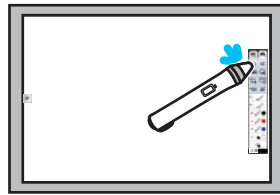
Operating the Interactive Pen

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

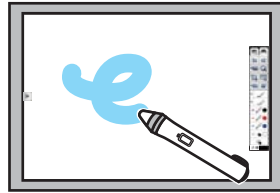
The functions and shape of the interactive pen differ depending on the model with which it was supplied. For more details, see the projector's User's Guide.

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.



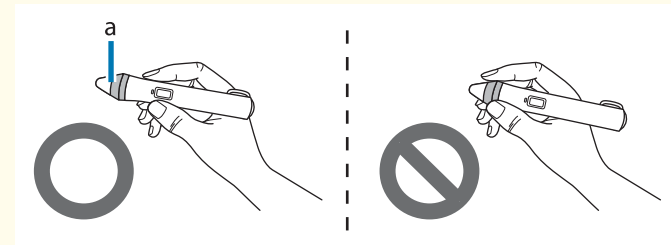
Press and move the pen on the screen to draw.



- 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 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.



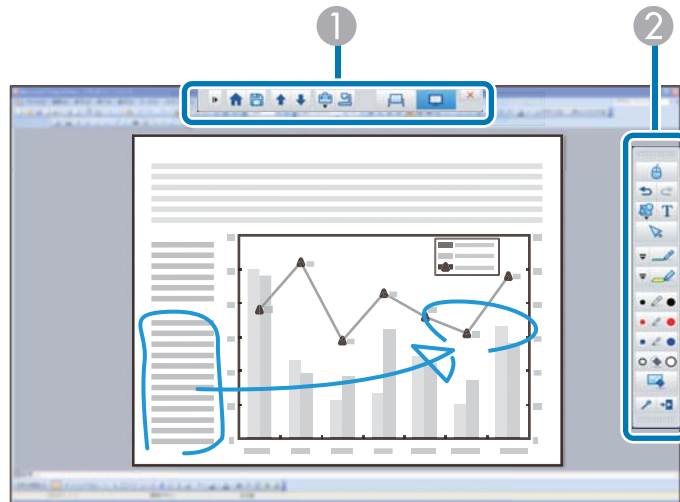
Touch Operations

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.

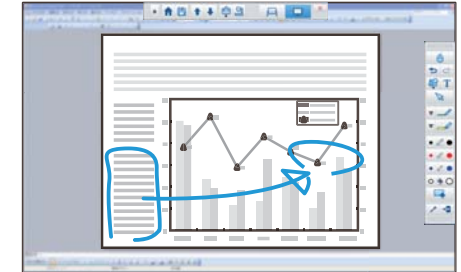
Two drawing modes

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.

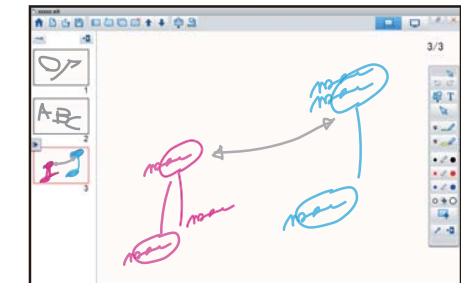
You can also draw on images from a document camera.



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.

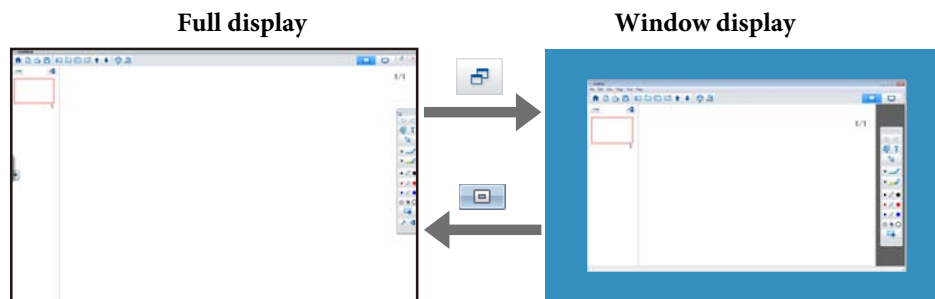
JPG/BMP/PNG	Saves all pages by treating one page as one file.
PDF/EIT	Saves all pages in one file.

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.




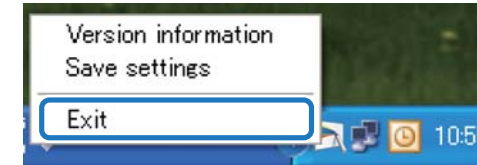
- During window display, you can only use one interactive pen.
- During window display, operations outside the window become computer mouse operations.


Exiting Easy Interactive Tools

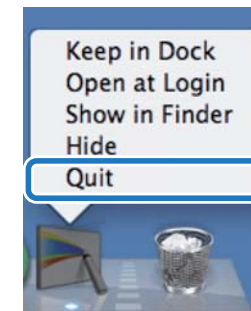
You can exit Easy Interactive Tools using one of the following methods.

- Click [] from the Command Bar.

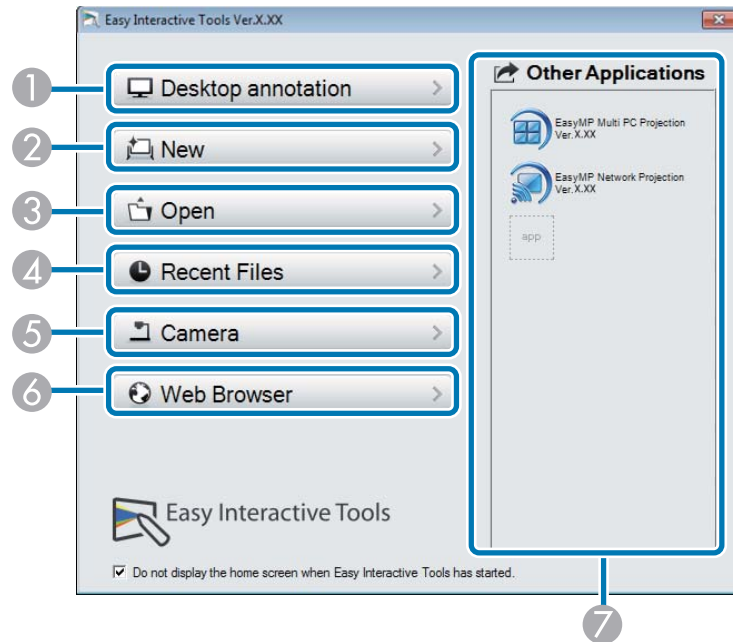
- **Windows:** Click [] on the task tray, and then click **Exit** from the popup menu.



- **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.
 "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.
- ③  **Page up**
During Annotation mode: Scrolls up in the selected document.
During Whiteboard mode: Moves the page currently displayed up by one position.

- ④  **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 User's Guide.
- ⑦  **Whiteboard mode**
Starts Whiteboard mode.
- ⑧  **Annotation mode**
Starts Annotation mode.
- ⑨  **Exit**
Quits Easy Interactive Tools.


 You can change the size of the Command Bar by clicking [] in Annotation mode.

The following functions are only available in Whiteboard mode.

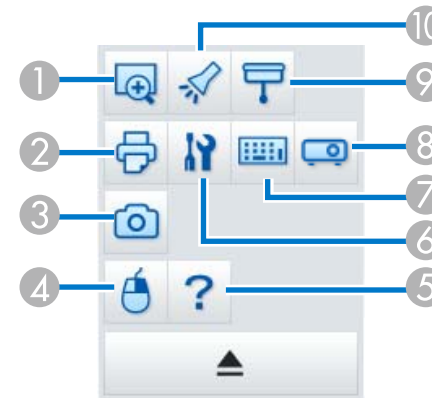
- ⑩  **New**
Creates a new file.
- ⑪  **Open**
Opens previously saved EIT files, or .avi files for Windows or .mov files for OS X.

- 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.

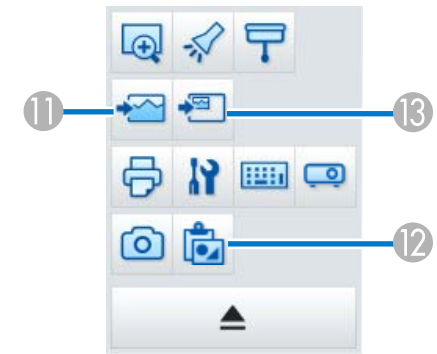
Tool Panel Functions







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.21](#)


- []: 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-A port.
- []: Changes to the images from the computer connected to the USB-B 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 [X] to exit spotlight.

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

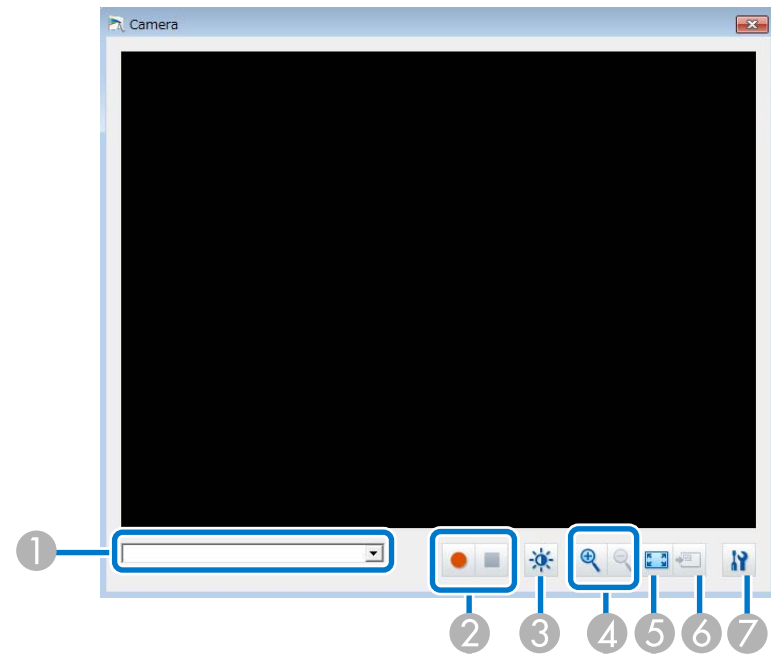
The following functions are only available in Whiteboard mode.



- 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.



- 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 **Record**
 - []: Records the image from the document camera. The recorded image is saved in .avi format for Windows and .mov format for OS X.
 - []: Stops recording.

You can set the save location for the recorded image on the **Camera Recording Settings** tab on the Settings screen.
 "Camera Recording Settings tab" p.20
 * Audio is not recorded.
- ③ **Picture Quality**

- [☀️]: 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 contrast of the image. Move the slider to the right to increase the contrast, and to the left to decrease the contrast.
- **Reset:** Restores the brightness and contrast settings to their default settings.
* This is not available if the connected document camera does not have a brightness/contrast adjustment function.

4 **Larger/Smaller**

- [🔍]: Enlarges the image.
- [🔍]: Reduces the image.

5 **View full screen**

Switches the Camera screen between full screen display and window display.

6 **Use current image**

Imports the document camera image as a graphics file. The image is imported to the Whiteboard mode page.

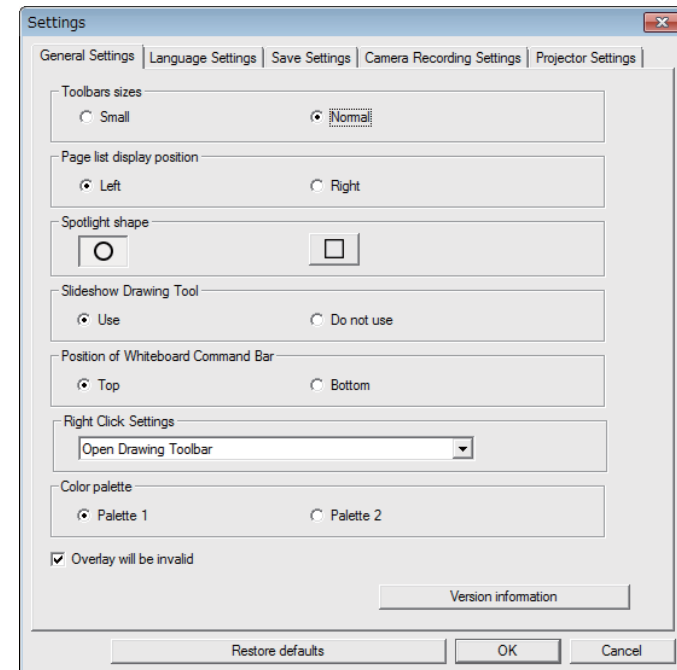
7 **Settings**

Opens the Camera Recording Settings tab on the Settings screen.

Settings Screen

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

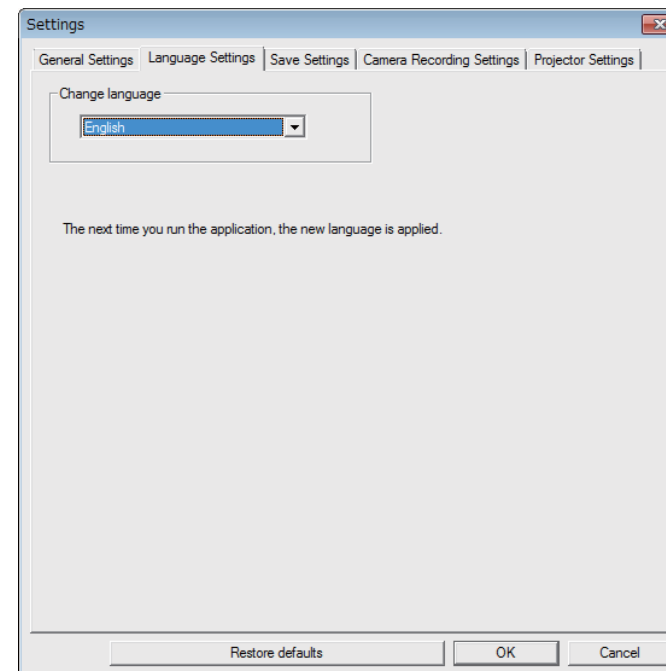
General Settings tab



Toolbar sizes	Sets the size of the toolbar to Small or Normal .
Page list display position	Sets the position where the page list is displayed in Whiteboard mode.
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.24
Position of Whiteboard Command Bar	Set the Command Bar display position.

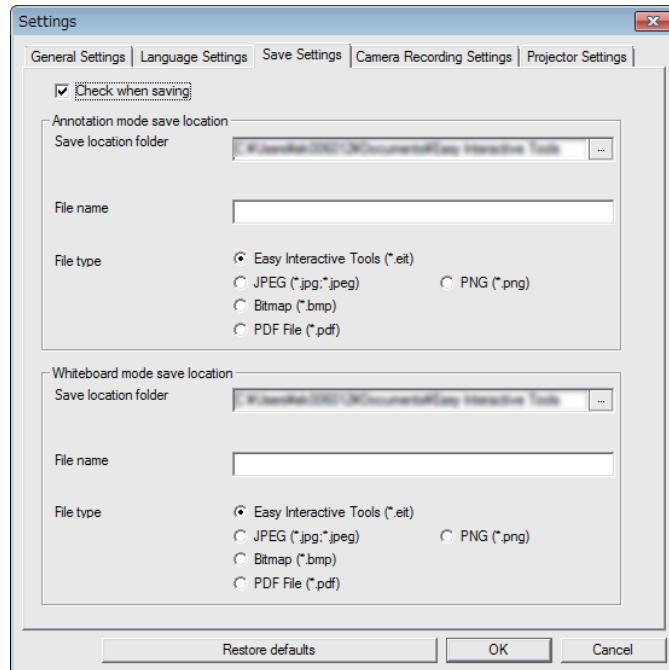
Right Click Settings	<p>Set the operation performed when you right-click in the drawing area.</p> <ul style="list-style-type: none"> • Open Drawing Toolbar: Displays the Drawing Toolbar at the position you right-clicked. • Change to Mouse Mode: Changes from the drawing function to the mouse operation 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	<p>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.</p>
Overlay will be invalid	<p>(For Windows XP only) Select to save movie content as it looks after adding annotations or drawings to the movie.</p>

Language Settings tab (Windows only)



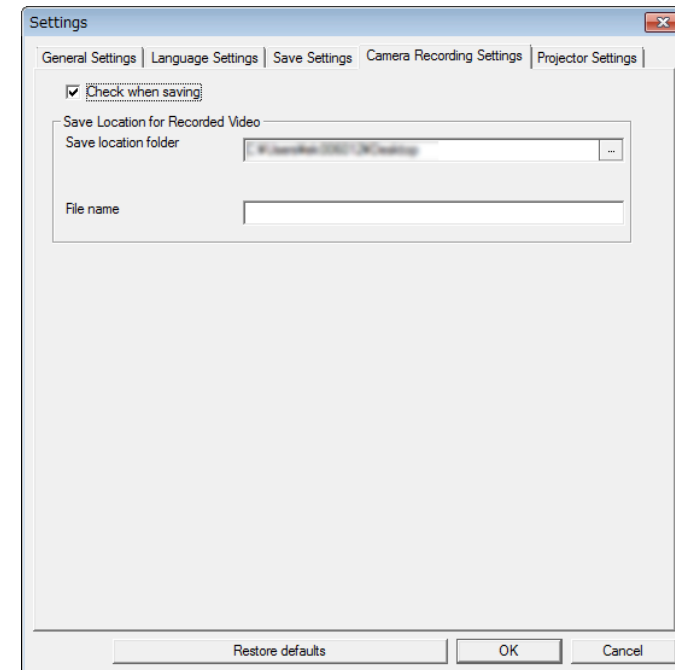
Change language	Sets the display language for Easy Interactive Tools. This setting takes effect after restarting Easy Interactive Tools.
-----------------	--

Save Settings tab



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 Recording Settings tab

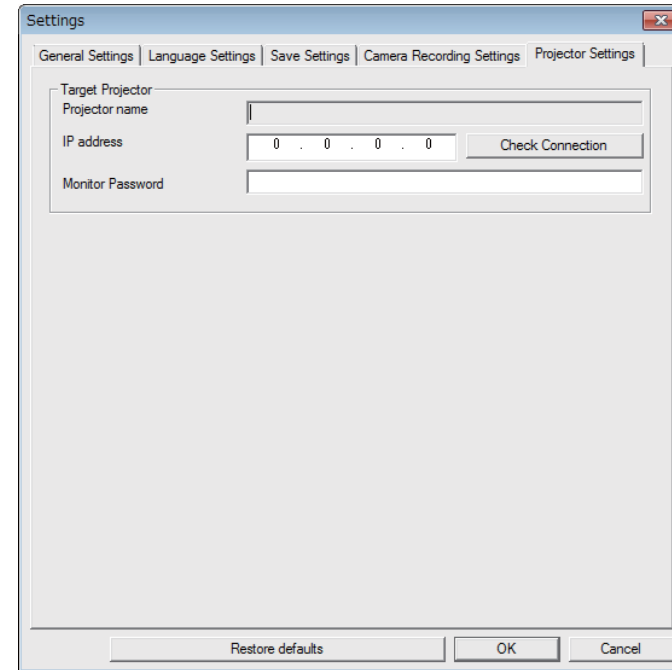


Check when saving	Select to display the screen where you can set the save location, file name, and file format when saving images.
Save location folder	Sets the folder where you want to save the screen. The following are the default folders for saving screens. Windows XP <startup_drive>:\Documents and Settings\ <user_name>\my documents\easy="" interactive="" tools<br=""></user_name>\my> Windows Vista/Windows 7/Windows 8 <startup_drive>:\users\ <user_name>\documents\easy interactive="" tools<br=""></user_name>\documents\easy> OS X <startup_drive>:\Users\ <user_name>\documents\easy interactive="" td="" tools<=""> </user_name>\documents\easy>

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

<p>Save location folder</p>	<p>Sets the folder where you want to save the movie. The following are the default folders for saving movies.</p> <p>Windows XP <startup_drive>:\Documents and Settings\<<user_name>\My Documents\Easy Interactive Tools</p> <p>Windows Vista/Windows 7/Windows 8 <startup_drive>:\users\<<user_name>\Documents\Easy Interactive Tools</p> <p>OS X <startup_drive>:\Users\<<user_name>\Documents\Easy Interactive Tools</p>
<p>File name</p>	<p>Sets the file name when saving the files. You can enter up to 32 characters. (The following symbols cannot be used: \:.*?*<>)</p> <p>A number and extension are added at the end of the file name when saving the file. Example: AAA0001.avi</p>

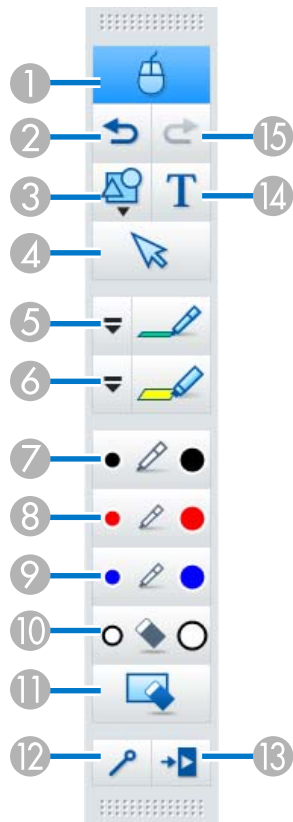
Projector Settings tab



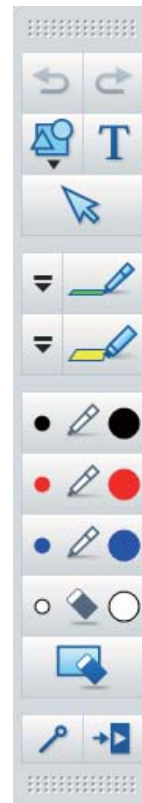
<p>Projector name</p>	<p>Displays the target projector name (displays only)</p>
<p>IP address</p>	<p>Enter the IP address of the projector to be controlled by Easy Interactive Tools from the projectors connected to the network. Click the Check Connection button to connect to the specified projector.</p>
<p>Monitor Password</p>	<p>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.</p>



You can select the following functions from the Drawing Toolbar.













Annotation mode







Whiteboard mode



- 1  **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.
- 2  **Undo**
 Undo the previous operation.


- 3  **Shapes**
 Select the shape you want from the shapes provided. You can also select the color and line width of the shape.
- 4  **Select**
 Select the drawn content or inserted image, and then perform operations such as moving the item or adjusting the size.
- 5  **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.
- 6  **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.
- 7  **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.
- 8  **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.
- 9  **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.
- 10  **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.
- 11  **Clear screen**
 Clears everything drawn on the displayed page.
- 12  **Always show toolbars**
 (This is unavailable on a window displayed in Whiteboard mode.)
 The Drawing Toolbar is always displayed.

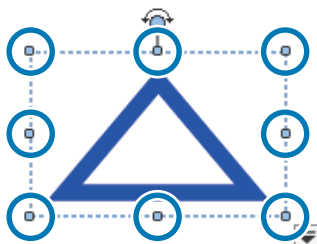
- 13  **Close**
 (This is unavailable on a window displayed in Whiteboard mode.)
 Closes the Drawing Toolbar. The Command Bar is also closed during Annotation mode.
 You can display the Drawing Toolbar again by selecting the Drawing Toolbar tab [] on the right or left side of the screen.
- 14  **Add Text**
 Changes to text entry. Select the drawing area to display the text box.
- 15  **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

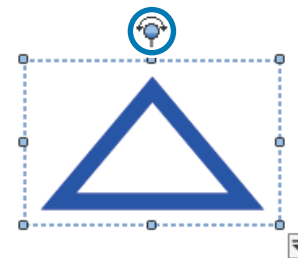
Select [] on the Drawing Toolbar, select the object, and then drag the points to enlarge or reduce.



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.
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.



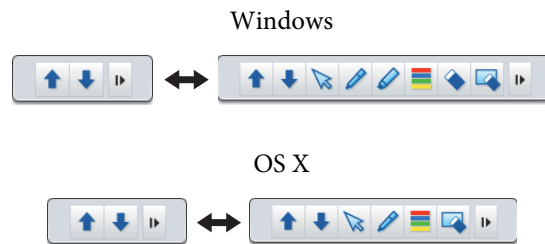
Shortcut operations, such as pressing the [ctrl] + [A] key on the computer's keyboard, are not supported.

The following PowerPoint versions are supported.

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

Slideshow Drawing Tool


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




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.18](#)

Problem	Solution
Characters become garbled after changing the language.	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.  "Settings Screen" p.18
The movie display area shows a black box after saving a screen that contains a movie. (Windows XP only)	Change the video accelerator settings manually. (1) Select Start - Control Panel - Display - Settings , and then click the Advanced button. (2) Select Troubleshoot .
Lines drawn on Media Player images flicker. Highlight lines drawn on Media Player images, do not become transparent. (Windows XP only)	(3) Move the Hardware acceleration to the position second from the left. When changing the settings, the playback screens for some DVDs/BluRays may not be displayed. Also, changing the settings may affect other applications. After closing Easy Interactive Tools, return the video accelerator settings to their previous state.
One person cannot operate their pen when two people are using interactive pens.	During the following operations, only one person can use the interactive pen. <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 shapes and images • While using menus • While entering 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.	The following restrictions apply. <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.	The following restrictions apply. <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 open some of the drawings in the 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. * Audio is not recorded.

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Microsoft® Windows® XP operating system
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 XP", "Windows Vista", "Windows 7", "Windows 8" and "Windows 8.1". Furthermore, the collective term Windows may be used to refer to Windows XP, Windows Vista, Windows 7, Windows 8, and Windows 8.1 and multiple versions of Windows may be referred to as, for example, Windows XP/Vista/7, with the Windows notation omitted.

Mac OS X 10.5.x
Mac OS X 10.6.x
OS X 10.7.x
OS X 10.8.x
OS X 10.9.x

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List of zlib programs

zlib-1.2.8

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Jean-loup Gailly
jloup@gzip.org

Mark Adler
madler@alumni.caltech.edu

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