User's Manual

EIZO EasyPIX™ Software

Color Matching Software

Important

Please read this User's Manual carefully to familiarize yourself with safe and effective usage. Please retain this manual for future reference.

EIZO®

About This Manual

This manual describes the features, installation and usage of EIZO EasyPIX Software (adjustment software for LCD monitor).

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About EIZO EasyPIX Software

EIZO EasyPIX Software enables you to easily adjust or switch the display settings of your monitor, such as color and brightness, to the condition suitable for printing or viewing the photo data captured by digital cameras.

Features

- Visual adjustment function

  Enables you to adjust color and brightness by comparing the whiteness of your monitor with that of the printing paper.

- Paper measurement function

  Enables you to adjust color and brightness by measuring the printing paper with the sensor (EX1).

- Monitor status measurement and adjustment function

  Enables you to measure and adjust the status of the monitor.

- Switching between settings

  Enables you to store up to three sets of adjustment results. You can switch between the monitor settings depending on the purpose with a single click on the buttons 1 to 3.

1. Setting Up

1-1. System Requirement

EIZO EasyPIX Software operates under the system shown below.

Windows

• PC
  - Operating System (OS)*
    Microsoft Windows XP (32bit and 64bit)
    Microsoft Windows Vista (32bit and 64bit)
    Microsoft Windows 7 (32bit and 64bit)
  - CPU
    Pentium-compatible Processor 1 GHz or more
  - Physical RAM
    Microsoft Windows XP: 128 MB or more
    Microsoft Windows Vista: 1 GB or more
    Microsoft Windows 7: 1GB or more (32bit) / 2GB or more (64bit)
  - USB ports (One free port is required for connecting the sensor, and another for connecting the PC to the monitor by a USB cable.)
  - Colors: 24 bit or more (recommended)
  - Resolution: 1280 x 1024 or higher (recommended)
• EIZO USB Cable (MD-C93)
• Sensor
  - EX1

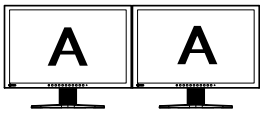
* Some OS may not be compatible depending on the monitor used. Check our web site (http://www.eizo.com).

Note

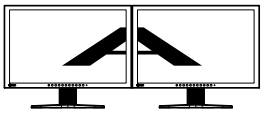
- If your OS is Windows Vista, the following settings are required in a multiple monitor environment.
  1. Select [Control Panel] - [Appearance and Personalization] - [Personalization] - [Adjust screen resolution].
  2. [Display Settings] dialog appears.
  3. Check the [Extend the desktop onto this monitor] check box for all monitors.
- If your OS is Windows 7 and Windows Display Calibration is enabled, please follow the steps below to disable this setting.
  1. Select [Control Panel] - [Color Management] - [Advanced].
  2. Click [Change system defaults] and select the [Advanced] tab of the displayed dialog box.
  3. Uncheck the [Use Windows display calibration] check box.
- When multiple monitors are connected, each monitor should display an independent screen. Displaying the same screen on each monitor or across multiple monitors prevents adjustment using the EIZO EasyPIX software. For details of how to change the settings, see the User's Manual of the graphics board.



Independent screen on each monitor (OK)



Same screen on each monitor (NG)


A screen over the multiple monitors (NG)

Macintosh

- Macintosh: satisfy the OS requirement (except iMac (PowerPC), iBook, iBook G4) (Built-in USB)
  - Operating System (OS)*: Mac OS X 10.3.9, 10.4, 10.5, 10.6
  - 16.7 million or more colors (recommended)
  - 1280 x 1024 or higher (recommended)
  - USB ports (at least 2 free ports are required)
- EIZO USB Cable (MD-C93)
- Sensor
  - EX1

* Some OS may not be compatible depending on the monitor used. Check our web site (http://www.eizo.com).

Note

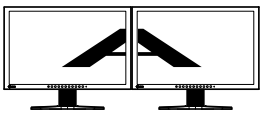
- You cannot use EIZO EasyPIX software in the Classic environment in Mac OS X.
- Depending on the type of monitor used with Mac OS X 10.3.9, it may take some time for the software to start.
- When multiple monitors are connected, each monitor should display an independent screen. Displaying the same screen on each monitor or across multiple monitors prevents adjustment using the EIZO EasyPIX software. For details of how to change the settings, see the User's Manual of the graphics board.



Independent screen on each monitor (OK)



Same screen on each monitor (NG)


A screen over the multiple monitors (NG)

1-2. Installing EasyPIX Software

Note

- If your OS is Windows XP, the user account with "Administrator" privilege is required.
- Before starting the installation, exit all applications running on your PC.
- EIZO EasyPIX Software cannot be used with the DisplayPort or HDMI of a touch panel monitor or monitor not equipped with a USB port.
- When using EIZO EasyPIX Software with a touch panel monitor or monitor not equipped with a USB port, it is necessary to uninstall ScreenManager Pro for LCD (DDC/CI).

Windows

1 Prepare for installation

■ **To install the software from the "EIZO EasyPIX Software" CD-ROM**

After inserting the "EIZO EasyPIX Software" CD-ROM into the CD-ROM drive the menu will open automatically.

Click the [EIZO EasyPIX Software] button on the "Software" tab.

Click the [Install] button to start the setup wizard.

Tips

- When the menu does not appear automatically, double click "Launcher.exe".

■ To download and install the software from our website

After extracting the downloaded file, click "Setup.exe" to start the setup wizard.

Tips

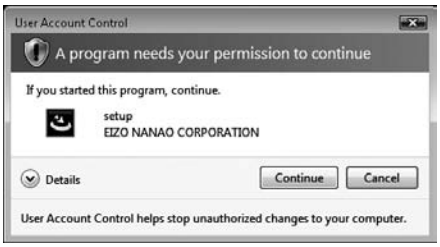
- If your OS is Windows XP or Windows 7, the "Security Warning" dialog may appear. *1
  Click [Run] to open the menu.





*1 The "Security Warning" dialog does not appear depending on the setting.

- If your OS is Windows Vista, the "User Account Control" dialog may appear. *2
  Click [Continue] to open the menu.



*2 The "User Account Control" dialog does not appear depending on the setting.

Note

- If your OS does not meet the system requirements, the error message will appear and the installation will not be executed.

2 Select the setup language

Select a language, and click [OK].



3 Start the setup wizard

Click [Next].



4 When using EIZO EasyPIX Software with a touch panel monitor or monitor not equipped with a USB port, confirm the displayed notes

After carefully reading their contents, click the [Next] button if you wish to use EIZO EasyPIX Software.



Note

- If ScreenManager Pro for LCD(DDC/CI) is installed, it will be uninstalled automatically. To cancel the EIZO EasyPIX Software installation, click the [Cancel] button.

5 Confirm the software license agreement

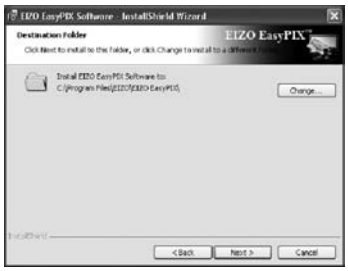
Read the software license agreement carefully. If you agree, select [I accept the terms in the license agreement] and click [Next].



6 Specify the location to install the software

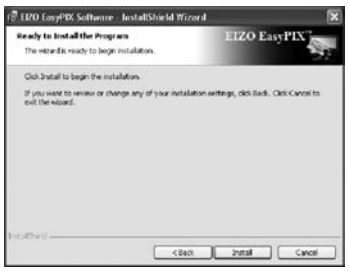
To change the folder, click [Change], and specify the folder in which you want to install the software.

After specifying the folder, click [Next].



7 Start the installation

Click [Install].



Tips

- The following dialog may appear when you install the driver software. Click [Continue Anyway] (Windows XP)/[Install this driver software anyway] (Windows Vista / Windows 7) to install the driver software.





8 Finish the installation

Click [Finish].



Macintosh

Note

- If the previous version EIZO EasyPIX Software is already installed to the system, uninstall it before the new version installation.

1 Prepare for installation

■ **To install the software from the "EIZO EasyPIX Software" CD-ROM**

After inserting the "EIZO EasyPIX Software" CD-ROM into the CD-ROM drive the "EIZO EasyPIX Software" icon will appear on the desktop. Double click the icon to open the window.

■ **To download and install the software from our website**

When you double click the downloaded file, the "EIZO EasyPIX Software" icon will appear on the desktop. Double click the icon to open the window.

2 Double click "EIZO EasyPIX Software.pkg"

The setup wizard starts up.

3 Start the setup wizard

Click [Continue].



4 Confirm the software license agreement

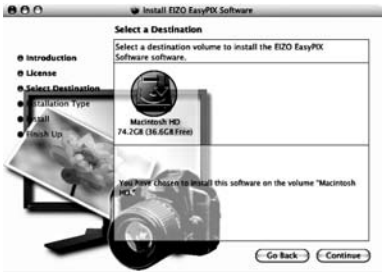
Read the software license agreement carefully. If you agree, click [Continue].
Click [Agree] on the confirmation dialog.





5 Specify the location to install the software

Specify the location and click [Continue].



6 Start the installation

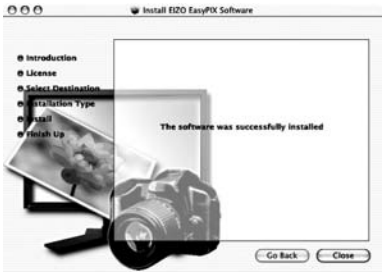
Click [Install].





7 Finish the installation

Click [Close].



1-3. Connecting Cables

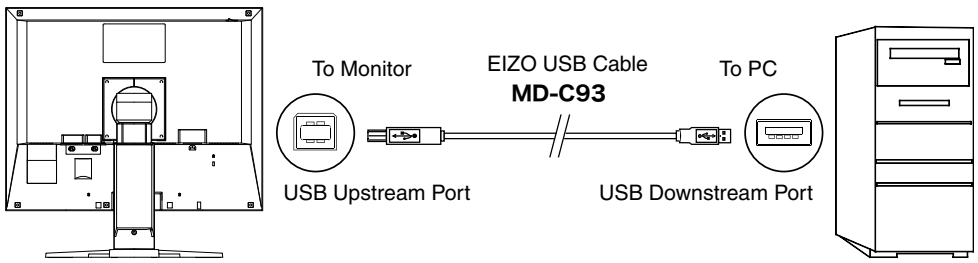
Note

- When using the touch panel monitor, connect to the PC the mouse and keyboard that are to be used in "2. How to Adjust the Monitor".

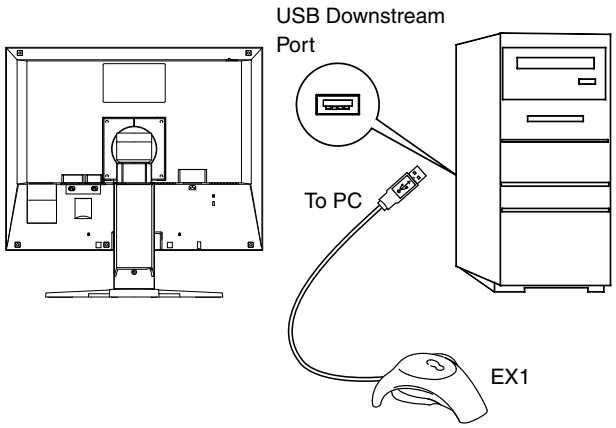
1 Connect the USB upstream port of monitor and the USB downstream port of PC with the EIZO USB Cable (MD-C93) supplied with your monitor

Note

- If your monitor is not equipped with a USB port, it is not necessary to connect the USB cable. Use a Windows OS and check if the monitor's DDC/CI communication is effective. For information on how to configure this, please refer to your monitor's user manual.
- If the monitor is not equipped with a USB port and if Mac OS X is used, the EIZO EasyPIX software cannot be used.



2 Connect the EX1 to the USB downstream port of PC



Tips

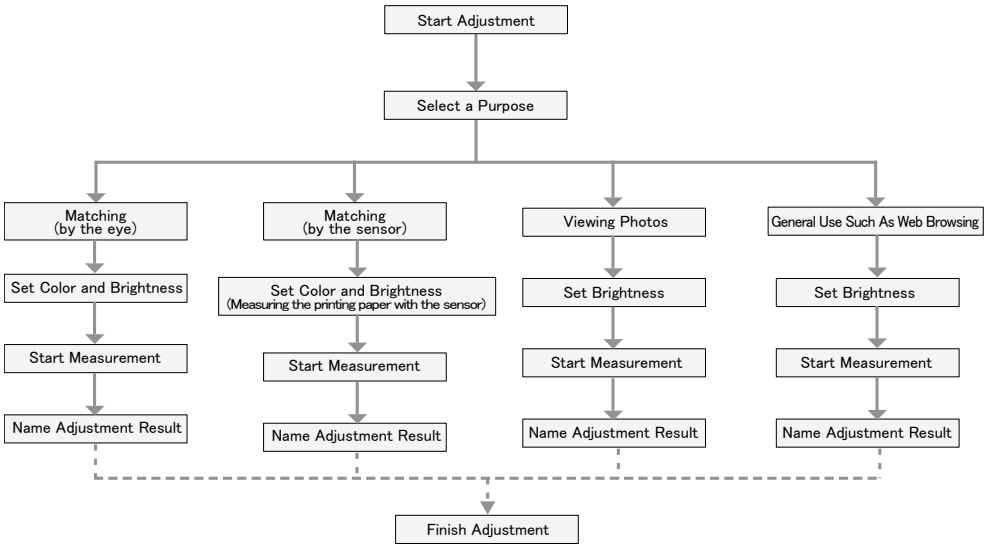
- If your OS is Windows, [Found New Hardware Wizard] will appear when you connect the sensor. Please carry out the driver software installation in accordance with the displayed instructions.

2. How to Adjust the Monitor

Note

- When performing monitor adjustments with the EIZO EasyPIX software, the monitor's display mode will automatically change to Custom/User 1-3 and the adjustment results will be saved (but not copied to the other modes). If your monitor has multiple User modes, the adjustment results will be saved in the specified User mode. For information on types of display modes and how to select them, please refer to your monitor's user manual.
- After adjustment using the EIZO EasyPIX software, do not use the monitor's adjustment menu to modify the value in the mode in which the adjustment results are saved or to change the mode to another one. To do this, it is necessary to re-select the setting (button 1, 2, or 3 on the Main Control Panel) using the EIZO EasyPIX software.

2-1. Flow Diagram



2-2. Setup EIZO EasyPIX Software

1 Turn on both the monitor and the PC 30 minutes before monitor adjustment (= warming up)

Disable the power management function of them so they will not be in the power save mode.

For details of the power save mode of the monitor, refer to the User's Manual of the monitor.

Exit other applications before starting up the EIZO EasyPIX Software.

Note

- To obtain precise monitor adjustment results, the monitor and PC must be sufficiently warmed-up. Once the monitor goes into the power-save mode, it takes a while for the brightness and color conditions to re-stabilize.

2 Set the display resolution and colors of the PC

Set the monitor color at 16.7 million (24 bit) or more.

It is recommended that the resolution is 1280 x 1024 or higher.

2-3. Starting EIZO EasyPIX Software

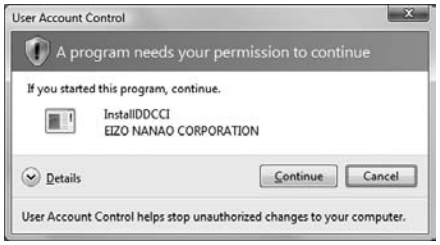
Windows

1 Click [Start] – [All Programs] – [EIZO] – [EIZO EasyPIX] – [EIZO EasyPIX]

The EIZO EasyPIX Software icon is displayed on the notification area.

Tips

- If your OS is Windows Vista or Windows 7, and you are running EIZO EasyPIX Software for the first time, the following dialog box may be displayed. If displayed, please select [Continue] (Windows Vista)/ [Yes] (Windows 7) to run the software.





2 Double-click the EIZO EasyPIX Software icon on the notification area to display the Main Control Panel





Macintosh

1 Double-click [EIZO EasyPIX] in the "Applications" folder

The EIZO EasyPIX Software icon is displayed in the Dock.

2 Click the EIZO EasyPIX Software icon in the Dock to display the Main Control Panel



Tips

- EIZO EasyPIX Software starts automatically when you log on the PC. When it has started up, the EIZO EasyPIX Software icon is displayed on the notification area (in the Dock for Macintosh) indicating that the program is resident.

Windows



Macintosh



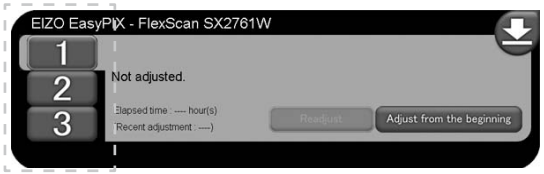
- The icons indicate the following:

 (Color)	The software is operating properly.
 (Monochrome)	Failed to detect applicable monitor. Refer to "5. Troubleshooting."
	There is a message notified by the software.
	Monitor adjustment software such as ColorNavigator is running. Exit any monitor adjustment software.

2-4. Adjusting the Monitor

1 On the Main Control Panel, select a number under which the adjustment result is to be stored

Click the button 1, 2, or 3.

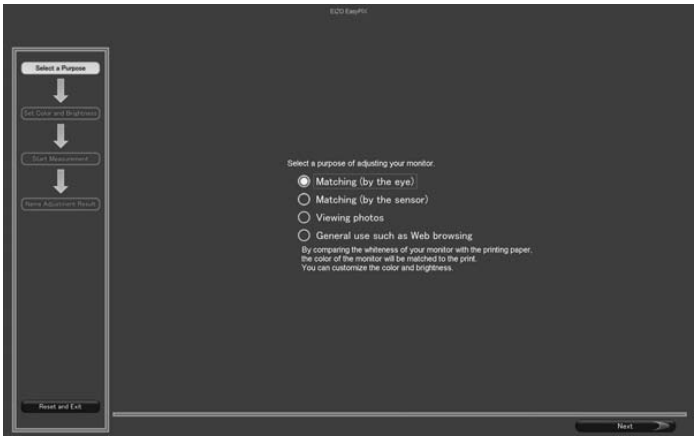


2 Start adjustment

Click [Adjust from the beginning].

3 Select a purpose

Select a purpose from "Matching (by the eye)", "Matching (by the sensor)", "Viewing photos" and "General use such as Web browsing."



- Matching (by the eye)

  By comparing the whiteness of your monitor with the printing paper, the color of the monitor will be matched to the print. You can customize the color and brightness.

- Matching (by the sensor)

  By measuring the printing paper with the sensor, the color of the monitor will be matched to the print. You can customize the color and brightness.

- Viewing photos

  Suits your monitor to viewing photos. You can customize the brightness.

- General use such as Web browsing

  Suits your monitor to general use such as Web browsing. You can customize the brightness.

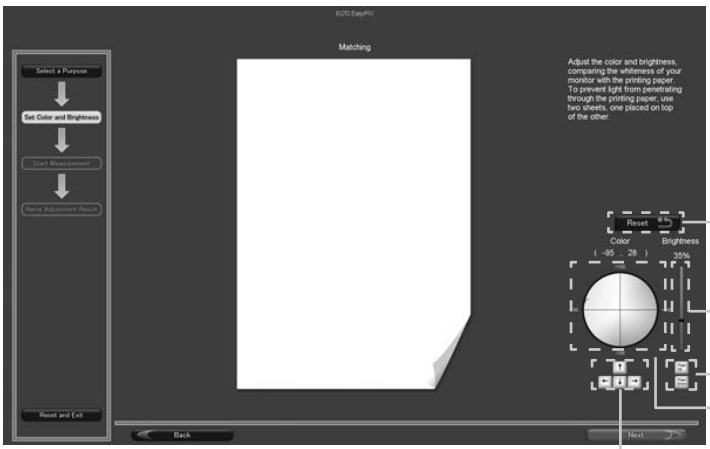
After selecting the purpose, click [Next].

4 If you have selected "Matching," set the color and brightness. If you have selected "Viewing photos" or "General use such as Web browsing," set the brightness.

Changes made to the color and brightness are immediately reflected on the monitor.

When "Matching (by the eye)" is selected

Adjust the color and brightness, comparing the whiteness of your monitor with the printing paper. To prevent light from penetrating through the printing paper, use two sheets, one placed on top of the other.



- Setting the color

  Click inside the color adjustment target with the mouse. For fine adjustment, click the color adjustment button, or press the arrow keys (↑↓→←) on the keyboard.

- Setting the brightness

  Drag the slider of the brightness adjustment slide bar with the mouse. For fine adjustment, click the brightness adjustment button, or press the Page Up or Page Down key on the keyboard.

- Resetting the values

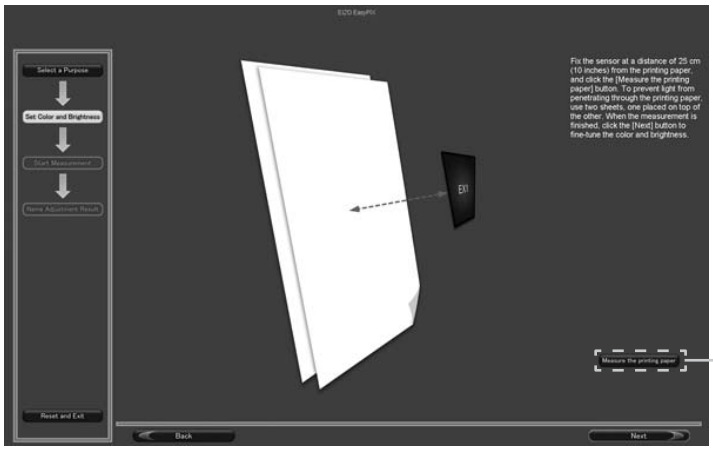
  Click [Reset].

After setting the color and brightness, click [Next].

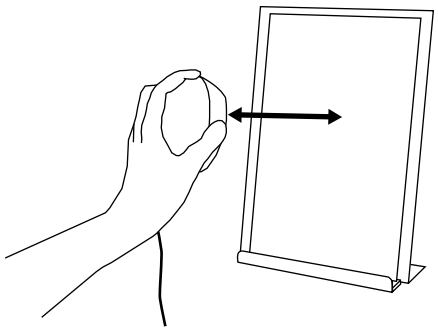
Go to Step 5. (See page 24.)

When "Matching (by the sensor)" is selected

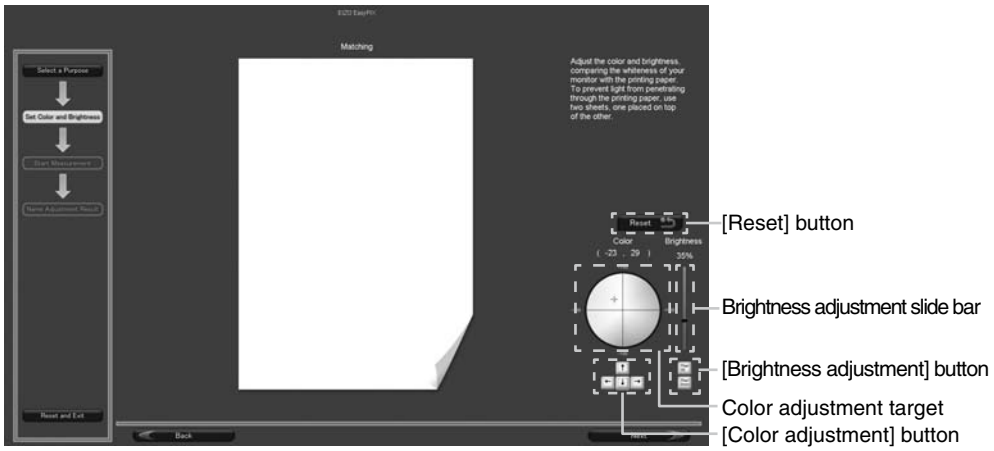
After measuring the printing paper with the sensor, fine-tune the color and brightness.



Fix the sensor at a distance of 25 cm (10 inches) from the printing paper as in the illustration below, and click the [Measure the printing paper] button. To prevent light from penetrating through the printing paper, use two sheets, one placed on top of the other. You can redo the measurement any amount of times.



When the measurement is finished, click the [Next] button to fine-tune the color and brightness.



- Setting the color

  Click inside the color adjustment target with the mouse. For fine adjustment, click the color adjustment button, or press the arrow keys (↑↓→←) on the keyboard.

- Setting the brightness

  Drag the slider of the brightness adjustment slide bar with the mouse. For fine adjustment, click the brightness adjustment button, or press the Page Up or Page Down key on the keyboard.

- Resetting the values

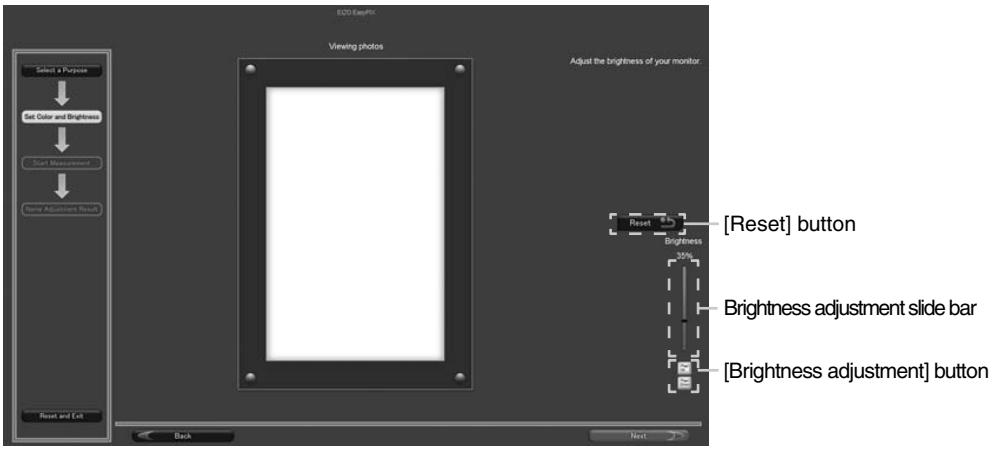
  Click [Reset].

After setting the color and brightness, click [Next].

Go to Step 5. (See page 24.)

When "Viewing photos" is selected

Adjust the brightness to be suitable for displaying photographs.



- Setting the brightness

  Drag the slider of the brightness adjustment slide bar with the mouse. For fine adjustment, click the brightness adjustment button, or press the Page Up or Page Down key on the keyboard.

- Resetting the values

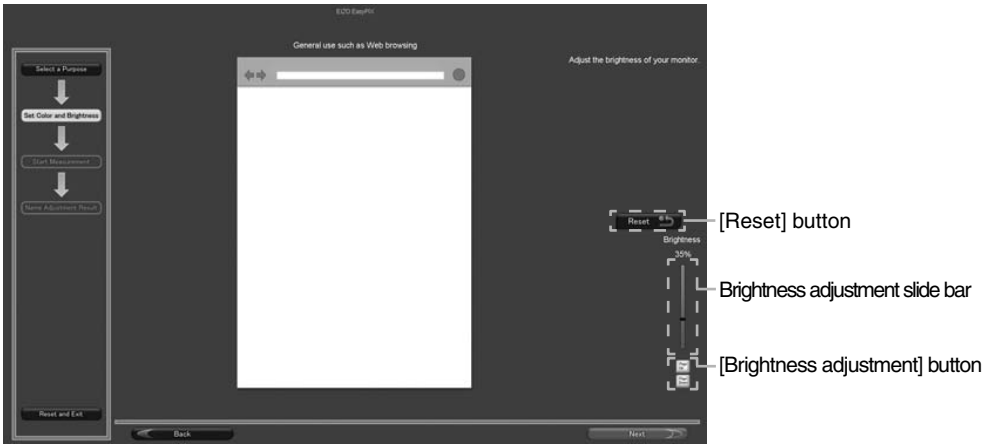
  Click [Reset].

After setting the brightness, click [Next].

Go to Step 5. (See page 24.)

When "General use such as Web browsing" is selected

Adjust the brightness to be suitable for web browsing, etc.



- Setting the brightness

  Drag the slider of the brightness adjustment slide bar with the mouse. For fine adjustment, click the brightness adjustment button, or press the Page Up or Page Down key on the keyboard.

- Resetting the values

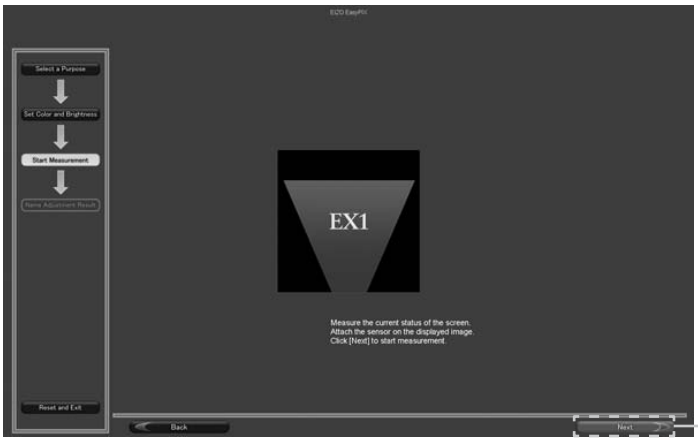
  Click [Reset].

After setting the brightness, click [Next].

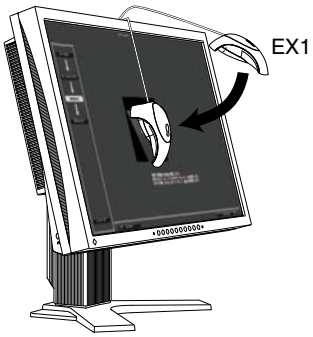
Go to Step 5. (See page 24.)

5 Start measurement

The software measures the current status of the screen. It takes approximately one to three minutes.



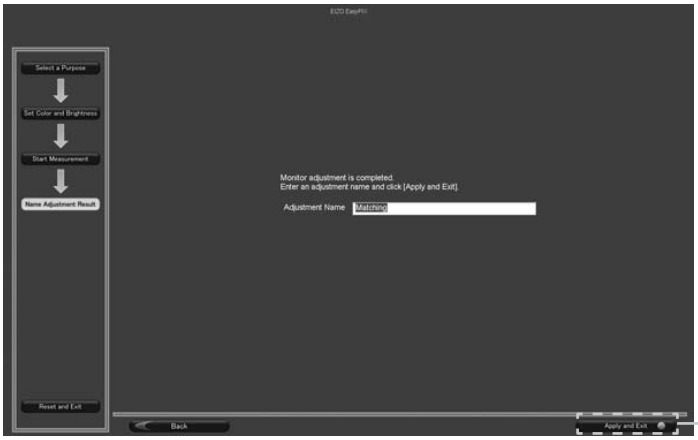
Attach the EX1 as shown below, and click [Next]. During measurement, the progress indicator is displayed.



6 Specify the adjustment name

The "Name Adjustment Result" window is displayed. (Initially a display name related to the selected mode of use will be displayed.)

After deciding an adjustment name, click [Apply and Exit].



7 The adjustment result is stored and reflected to the Main Control Panel

Monitor adjustment is complete now.
Follow the procedure described above to store adjustment results for other purposes.
Use the monitor after selecting the adjustment results according to your purpose.
If you are using the monitor with multi-monitor setting, perform adjustment for each monitor.



When clicking on a number of a finished adjustment, the recorded adjustment result will be displayed.

8 Click the Minimize button to close the Main Control Panel



2-5. Switching the Setting

1 Click the button 1, 2, or 3 on the Main Control Panel

The monitor display switches to the selected status.



3. Periodic Monitor Adjustment

The monitor brightness and color gradually alter. To compensate for changes, adjusting once every 2-4 weeks is recommended.
The monitor should be readjusted if the system configuration changes as below.

- Changing the PC or graphics board
- Changing the connector on the monitor (ex. from SIGNAL1 to SIGNAL2) to the PC or graphics board
- Changing the monitor resolution or color
- Changing the monitor location
- Replacing the room light

3-1. Periodic Monitor Adjustment

1 Click the [Readjust] button of the main control panel

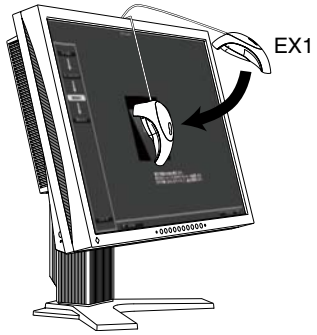


2 Start measurement

The software measures the current status of the screen. It takes approximately two to three minutes.



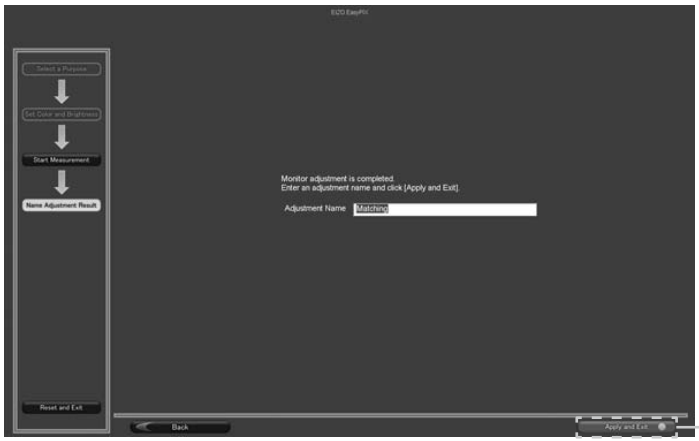
Attach the EX1 as shown below, and click [Next]. During measurement, the progress indicator is displayed.



3 Specify the adjustment name

When measurement is finished, the "Name Adjustment Result" window is displayed. (Initially the previously set adjustment name will be displayed.)

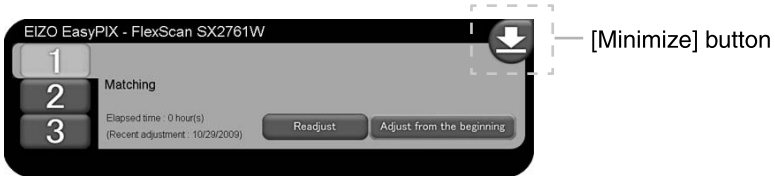
After deciding an adjustment name, click [Apply and Exit].



4 The adjustment result is stored and reflected to the Main Control Panel

Monitor readjustment is now complete.

5 Click the Minimize button to close the Main Control Panel



4. Other Functions

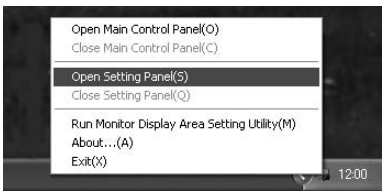
4-1. Setting Preferences

You can confirm and change the preferences for EIZO EasyPIX Software.

1 Open the Setting Panel

Windows

Right-click the EIZO EasyPIX Software icon on the notification area, and click [Open Setting Panel] in the menu.



Macintosh

Click the EIZO EasyPIX menu bar, and click [Preferences] in the menu.

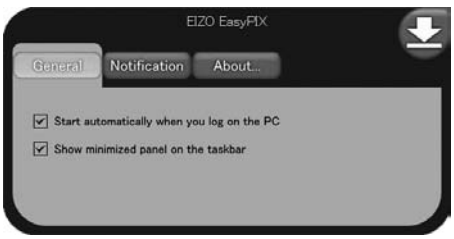


2 Confirm or change settings

Starting EIZO EasyPIX Software Automatically

You can set whether or not to start EIZO EasyPIX Software automatically when logging on the PC.

In the [General] tab, check or uncheck the box of "Start automatically when you log on the PC"



Showing EIZO EasyPIX Software on the Taskbar (Only for Windows)

You can set whether or not to show EIZO EasyPIX Software on the taskbar.

In the [General] tab, check or uncheck the box of "Show minimized panel on the taskbar."



Notifying when to Readjust the Monitor

Setting a timer displays messages on the screen a few hours after the monitor adjustment.

In the [Notification] tab, check or uncheck the box of “Notify the readjustment after.” If you check the box, enter the time for the timer



Displaying the Software Version

You can display the version of EIZO EasyPIX Software.

Click the [About…] tab (for Windows) or [About EIZO EasyPIX] tab (for Macintosh)



Tips

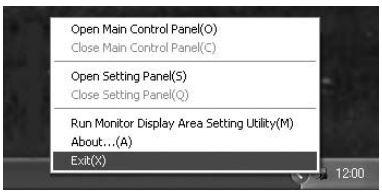
- All boxes in the Setting Panel are checked at the time of purchase. The timer for readjustment notification is set to 100 hours (recommended).

4-2. Exiting EIZO EasyPIX Software

Windows

1 Right-click the EIZO EasyPIX Software icon on the notification area to open the menu

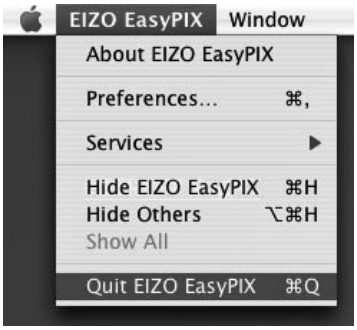
2 Click [Exit]



Macintosh

1 Click the EIZO EasyPIX menu bar to display the menu

2 Click [Quit EIZO EasyPIX]



4-3. Uninstalling EIZO EasyPIX Software

Windows XP

1 Select [Control Panel] - [Add or Remove Programs]

2 Select "EIZO EasyPIX Software" from the list and click [Remove] to remove the software

Windows Vista/Windows 7

1 Select [Control Panel] - [Uninstall a program]

2 Select "EIZO EasyPIX Software" from the list and click [Uninstall]

Macintosh

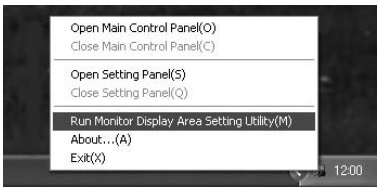
1 Drag "EIZO EasyPIX" in the "Applications" folder to the Trash

4-4. Monitor Display Area Setting Utility (Only for Windows)

Monitor Display Area Setting Utility enables you to specify the display area of EIZO monitor manually when it is not detected automatically. Use this utility software if the Main Control Panel does not open when the monitor is connected to the PC.

1 Right-click the EIZO EasyPIX Software icon on the notification area to open the menu

2 Click [Run Monitor Display Area Setting Utility]



3 Monitor Display Area Setting Utility starts

The list includes all of EIZO monitors connected to your PC, but supported software of ours differ depending on the monitor.



4 Select the monitor for which you want to specify the display area

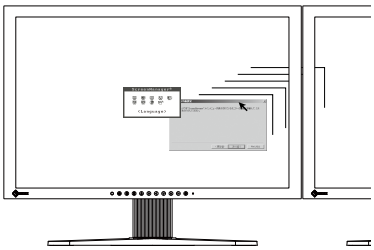
Select the monitor for which "Not specified" is displayed in the display area, and click [Manual Settings].

5 Follow the instructions on the screen to specify the display area

Click [Next].

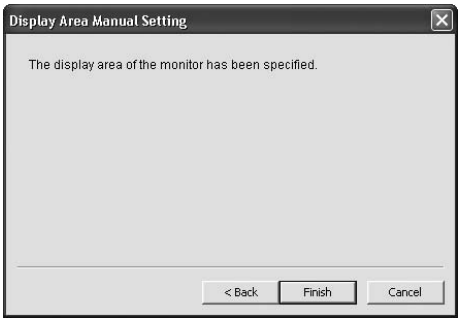
6 Specify the monitor for which you want to specify the display area

Drag the "Display Area Manual Setting" window to the screen where the "Screen-Manager" main menu or "Information" is displayed, and click [Next].



7 Finish specifying the display area

When the window indicating that the display area setting is complete appears, click [Finish].



Note

- Resetting of the display area may be necessary when the monitor configuration has been changed in multiple monitor environment.

5. Troubleshooting

Symptom	Possible cause and remedy
The "The display setting of your monitor has been changed." message appears although the display setting has not been changed.	• Turn off the Auto FineContrast function of ScreenManager Pro for LCD. For details, refer to the User's Manual of ScreenManager Pro for LCD.
The "Failed to detect applicable monitor." message appears.	• Make sure that the USB cable is connected properly. • When using Windows, specify the display area using the Monitor Display Area Setting Utility. (See page 32.) • When using a touch panel monitor or monitor not equipped with a USB port with Mac OS X, EIZO EasyPIX Software cannot be used. • If your monitor is a touch panel monitor or not equipped with a USB port, the graphics board compatible with DDC/CI communication is required. For compatibility of graphics board, see our web site (http://www.eizo.com). • Check our web site (http://www.eizo.com) to upgrade the software to the latest version.
Main Control Panel does not open.	• Make sure that the USB cable is connected properly. • When using Windows, specify the display area using the Monitor Display Area Setting Utility. (See page 32.)
Nothing is displayed.	• Restart your PC. • Refer to the User's Manual of the monitor.
Display is unstable.	• When certain software is used with the EIZO EasyPIX software, the display may be unstable. In such a case, exit the EIZO EasyPIX software.
Display color has been changed.	• Readjust the monitor. (See page 26.) • Turn off the Auto EcoView (BrightRegulator) function and the ContrastEnhancer function of the monitor. For details, refer to the User's Manual of the monitor. • If other company's monitor adjustment software is running, exit the software.
Display color does not match the color on the paper.	• Be sure to use white paper. To prevent color or light from penetrating through the printing paper, use two sheets, one placed on top of the other. • Adjust the brightness first, and then color. • Use the light with high color rendering properties, such as a fluorescent tube.
The "Windows display calibration is enabled." message appears.	• The monitor adjustment function for Windows 7 is active. The function does not operate with the EIZO EasyPIX software. Change the setting to invalid. (See page 6.)



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