User's Manual

FlexScan®
SX2461W
SX2761W

Color LCD Monitor

Important

Please read PRECAUTIONS, this User's Manual and Setup Manual (separate volume) carefully to familiarize yourself with safe and effective usage.

CONTENTS

How to Setup

Please read the Setup Manual (separate volume)

Product specification may vary with sales areas.
Confirm the specification in the manual written in language of the region of purchase.

Notice for this monitor

In order to suppress the luminosity change by long-term use and to maintain the stable luminosity, use of a monitor in lower brightness is recommended.

The LCD panel is manufactured using high-precision technology. However, note that the appearance of any missing pixels or lit pixels does not indicate damage to the LCD monitor.
Percentage of effective pixels: 99.9994% or higher.

The backlight of the LCD panel has a fixed life span. When the screen becomes dark or begins to flicker, please contact your dealer.

Do not press on the panel or edge of the frame strongly, as this may result in the display malfunction, such as the interference patterns, etc. If pressure is continually applied to the LCD panel, it may deteriorate or damage your LCD panel. (If the pressure marks remain on the LCD panel, leave the monitor with a white or black screen. The symptom may disappear.)

Do not scratch or press on the panel with any sharp objects, such as a pencil or pen as this may result in damage to the panel. Do not attempt to brush with tissues as this may scratch the LCD panel.

When the monitor is cold and brought into a room or the room temperature goes up quickly, dew condensation may occur inside and outside the monitor. In that case, do not turn the monitor on and wait until dew condensation disappears, otherwise it may cause damage to the monitor.

When the screen image is changed after displaying the same image for extended periods of time, an afterimage may appear. Use the screen saver or timer to avoid displaying the same image for extended periods of time.

To use the monitor comfortably

An excessively dark or bright screen may affect your eyes. Adjust the brightness of the monitor according to the environmental conditions.

Staring at the monitor for a long time tires your eyes. Take a 10-minute rest every hour.

CONTENTS

Chapter 1 Features and Overview

Thank you very much for choosing an EIZO color LCD monitor.

1-1 Features

- 24.1 (SX2461W) / 27.0 (SX2761W) inch class wide screen format LCD
- Applicable to HDCP
- Dual-input compliant (DVI-I ×2 connectors)
- DVI digital input (TMDS) compliant
- Horizontal scan frequency, Vertical scan frequency and Resolution are as follows;

Horizontal scan frequency	Analog	24 - 94 kHz
	Digital	31 - 76 kHz
Vertical scan frequency	Analog	49 - 86 Hz
		49 - 76 Hz (1600 × 1200)
		49 - 61 Hz (1920 × 1200)
	Digital	59 - 61 Hz
		69 - 71 Hz (VGA TEXT)
Resolution		1920 dots × 1200 lines

- Compatible with frame synchronization mode   59 - 61 Hz
    * Only if the [Full Screen] or [Enlarged] is selected from the <Screen Size>.
- Smoothing (soft - sharp) function for adjustment of enlarged images
- FineContrast mode to allow the best mode for screen display
- The application software "UniColor Pro" to simulate the views experienced by people with some sort of color deficiency is included (refer to the UniColor Pro (CD-ROM)).
- The utility software "ScreenManager Pro for LCD" (for Windows) to control the monitor from a PC with mouse/keyboard is included (refer to the EIZO LCD Utility Disk (CD-ROM)).
- BrightRegulator function incorporate
- Height adjustable stand
- Portrait/Landscape display available (rotate 90 degrees clockwise)

1-2 Buttons and Indicators

Adjustment menu (*ScreenManager ®)

Button

| | |
| 1 | 2 3 4 5 6 7 8 9 |
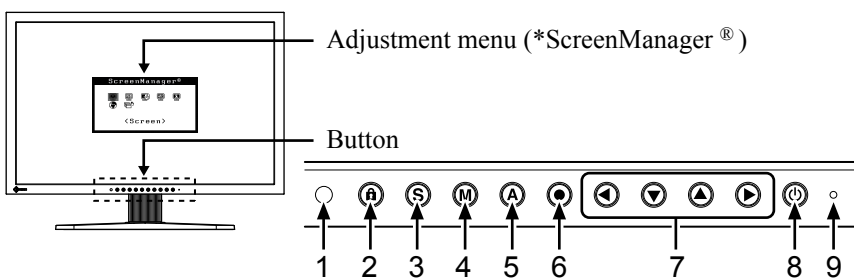
1. Sensor (BrightRegulator)
2. Adjustment lock button
3. Input signal selection button
4. Mode button
5. Auto button
6. Enter button
7. Control buttons (Left, Down, Up, Right)
8. Power button
9. Power indicator

Indicator status	Operation status
Blue	The screen is displayed
Orange	Power saving
Off	Power off

*   ScreenManager ® is an EIZO's nickname of the Adjustment menu.

> **NOTE**
> - This monitor supports the Portrait/Landscape display. This function allows you to change the orientation of the Adjustment menu when using the monitor screen in vertical display position. (Refer to "2-10 Setting Orientation" on page 19.)
> - If you use the monitor with "Portrait" position, the setting may be required to change depending on the graphics board used in your PC. Refer to the manual of the graphics board for details.
> - The stand of the unit can be replaced with an arm or another stand. (Refer to "5-1 Attaching an Arm" on page 26.)

> **NOTE**
> - While the screen is displayed, the power indicator that is lighting blue can be turned off (see "To turn off the Power indicator while a screen is displayed [Power Indicator]" on page 17).
> - For the power indicator status with "Off Timer" set, refer to "To set monitor power-off time [Off Timer]" on page 14.

1-3 Functions and Basic Operation

To adjust the screen and color

● **Main menu (Refer to page 6 for operation)**

```
ScreenManager®

        <Screen>
```

• The Adjustment menu and the FineContrast menu cannot be displayed at the same time.

Ⓜ **FineContrast mode**

Color Adjustment   **Page 11**

Simple Adjustment [FineContrast mode]

This function allows easy selection of a desired mode from five modes according to monitor application.

● "Brightness," "Temperature," and "Gamma" can be set for each mode (Custom/sRGB/Text/Picture/Movie).
Settable functions vary with the display mode.

Brightness Adjustment   **Page 12**

Press ◀ or ▶ to adjust brightness.

---

1 Screen Adjustment (Automatic Adjustment)   **Page 8**

Press Ⓐ.
Press Ⓐ again.

2 Screen Adjustment (Advanced Adjustment)   **Page 9**

[At analog signal input]   [At digital signal input]

● To eliminate vertical bars [Clock*]… see page 9
● To remove flickering or blurring [Phase*] ………………… see page 9
● To correct screen position [Position*] ………………… see page 9
● To adjust extra or cut image [Resolution*]………………… see page 10
● To adjust color gradation automatically [Range Adjustment*] ……………… see page 10
● To modify blurred characters/lines [Smoothing] ………………… see page 10
● To set when a noise appears on the screen [Signal Filter*] ……………… see page 24

* Items marked with * can be adjusted with analog input.

**Color Adjustment (Advanced Adjustment)**   **Page 12**

● "Brightness", "Temperature", "Gamma", "Saturation", "Hue", "Gain" and "6 Colors" can be set for each mode (Custom/sRGB/Text/Picture/Movie).
Settable functions vary with the display mode.

Resuming the default settings
● To reset color adjustment [Reset] … see page 20

To make useful settings/adjustments

⦿ **Adjustment menu (Refer to page 6 for operation)**

```
ScreenManager®

  [icons]

   <Screen>

  ◆        ··········
```
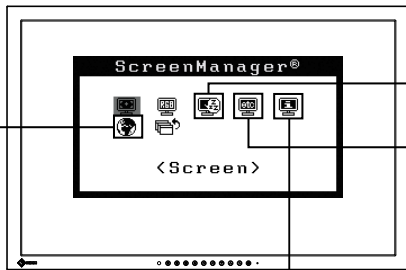
Power-save Settings Page 15

```
PowerManager™

  Set
    ⦿DVI DMPM
    ○Off
```

- To set monitor power-saving
  [VESA DPMS/DVI DMPM]

Information Page 19

```
Information(1/2)

  Signal 1
    1920x1200
    fH: 74.0kHz
    fV: 60.0Hz
```

- To check settings, usage time, etc. [Information]

Language Page 19

```
Language
⦿English    ○Deutsch
○Français   ○Español
○Italiano   ○Svenska
○简体中文     ○繁體中文
○日本語
```

- To set a language to be displayed [Language]

```
Others

  [icons]

  <Screen Size>
```

Set the off timer
- To set monitor power-off time
  [Off Timer] .... see page 14

Change the screen size
- To change screen size
  [Screen Size]   .... see page 16
- To adjust brightness of non-display area
  [Border Intensity] .... see page 16

BrightRegulator Setting
- To set automatic brightness adjustment
  [BrightRegulator] .... see page 20

Orientation Setting
- To set the orientation of the Adjustment menu
  [Orientation] .... see page 19

Power Indicator Setting
- To turn off the Power indicator while a screen is
  displayed [Power Indicator]   .... see page 17

Beeper setting
- To set the beeper [Beep]............... see page 17

Adjustment menu settings
- To update menu settings [Menu Size/Menu
  Position/Menu Off Timer/
  Translucent] .... see page 18

Resume the factory default settings
- To reset all settings [Reset]   .... see page 20

Connect two PCs
- To set priority of PC to be displayed
  [Input Priority] .... see page 22

EIZO Logo Display Setting
- To display EIZO logo [EIZO Logo Appearing
  Function] ....   see page 17

Locking Adjustment
- To lock operation [Adjustment Lock]… see page 18

Connecting Signal Cables
- Connecting Two PCs to the Monitor … see page 21
- Connecting Peripheral USB Devices … see page 23

Basic operation of Adjustment menu

[Displaying Adjustment menu and selecting function]

(1) Press ⏺. The Main menu appears.

(2) Select a function with ▲ / ▼ / ◀ / ▶, and press ⏺. The Sub menu appears.

(3) Select a function with ▲ / ▼ / ◀ / ▶, and press ⏺. The adjustment/setting menu appears.

(4) Adjust the selected item with ▲ / ▼ / ◀ / ▶, and press ⏺. The setting is saved.

[Exiting Adjustment menu]

(1) Choose <Return> from the Sub menu and press ⏺. The Main menu appears.

(2) Choose <Exit> from the Main menu and press ⏺. The Adjustment menu quits.

NOTE

• The Adjustment menu can also be exited by pressing ⏺ twice quickly.

• <Exit> or <Return> can also be selected by pressing ▼ twice in the Main menu or Sub menu.

Chapter 2 Settings and Adjustments

2-1 Utility Disk

"EIZO LCD Utility Disk" (CD-ROM) and "UniColor Pro" (CD-ROM) are supplied with the monitor. The following table shows the disk contents and the overview of the application software programs.

● EIZO LCD Utility Disk (CD-ROM)

Item	Overview	For Windows	For Macintosh
A "Readme.txt" or "read me" file		✓	✓
Color Profiles (ICC Profiles)	A specific file including the color characteristic information for the monitor.	✓	✓
Screen Adjustment Utility	Monitor pattern display software used when adjusting the image of the analog input signal manually.	✓	–
Screen adjustment pattern files	Used when adjusting the image of the analog signal input manually. If the Screen Adjustment Utility is not applicable to your PC, use this pattern files to adjust the image.	✓	✓
ScreenManager Pro for LCD	A utility software program to control monitor adjustments from a PC using its mouse and keyboard. (A PC must be connected to the monitor with the supplied USB cable. For more information, refer to "Chapter 3 3-2 Connecting Peripheral USB Devices".)	✓	–
WindowMovie Checker Software	WindowMovie is a function of ScreenManager Pro for LCD. For more information, refer to the User's Manual of ScreenManager Pro for LCD on the EIZO LCD Utility Disk (CD-ROM).		
User's Manual of this monitor (PDF file)			

To use ScreenManager Pro for LCD

For the installation and use of ScreenManager Pro for LCD, refer to its User's Manual on the EIZO LCD Utility Disk (CD-ROM).

● UniColor Pro (CD-ROM)

Item	Overview	For Windows	For Macintosh
UniColor Pro	An application software to simulate the views experienced by some color deficiency people. (A PC must be connected to the monitor with the supplied USB cable. For more information, refer to "Chapter 3 3-2 Connecting Peripheral USB Devices".)	✓	✓
UniColor Pro User's Manual (PDF file)			
Color Universal Design Handbook (PDF file)			

To use UniColor Pro

For the installation and use of UniColor Pro, refer to the UniColor Pro User's Manual on the UniColor Pro (CD-ROM).

2-2 Screen Adjustment

Digital Input

When digital signals are input, images are displayed correctly based on the preset data of the monitor. When performing the advanced adjustment, see "2-3 Color Adjustment" (page 11) and its subsequence pages.

Analog Input

The monitor screen adjustment is used to suppress flickering of the screen or adjust screen position and screen size correctly according to the PC to be used. To use the monitor comfortably, adjust the screen when the monitor is set up for the first time or when the settings of the PC in use are updated. No adjustment is required when the image appears correctly.

[Adjustment Procedure]

1 Perform the auto size adjustment.

- **To adjust flickering, screen position, and screen size automatically [Auto button]**
  - (1) Press (A).
    A message "Your setting will be lost, if you press again now" appears for five seconds.
  - (2) Press (A) again while the message is displayed.
    The Auto Adjustment function begins (showing a running status icon) to adjust flickering, screen position, and screen size automatically.

2 Prepare the display pattern for the analog display adjustment.

- (1) Load the "EIZO LCD Utility Disk" to your PC.
- (2) For Windows PC: Start the "Screen Adjustment Utility" from the startup menu on the disk.
  For other than Windows PC: Use the screen adjustment pattern files.

> • **If the screen is displayed correctly : go to step 5**
> • **If the screen is not displayed correctly : go to step 3**

3 Perform the auto size adjustment again with the analog screen adjustment pattern displayed.

- **To adjust flickering, screen position, and screen size automatically [Auto button]**
  - (1) Display Pattern 1 in full screen on the monitor using the "Screen Adjustment Utility" or the screen adjustment pattern files.

Attention
- Wait 30 minutes or more from monitor power on before starting adjustments.

Attention
- This function works correctly when an image is fully displayed over the Windows or Macintosh display area. It does not work properly when an image is displayed only on a part of the screen (command prompt window, for example) or when a black background (wallpaper, etc.) is in use.
- This function does not work correctly with some graphics boards.

NOTE
- For how to open and use the screen adjustment pattern files, refer to "Readme.txt" or the "read me" file. When you are using a Macintosh PC, you can open the file directly from the start menu of the disk.

(2) Press Ⓐ.

A message "Your setting will be lost, if you press again now" appears for five seconds.

(3) Press Ⓐ again while the message is displayed.

The Auto Adjustment function begins (showing a running status icon) to adjust flickering, screen position, and screen size automatically.

- **If the screen is displayed correctly : go to step 5**
- **If the screen is not displayed correctly : go to step 4**

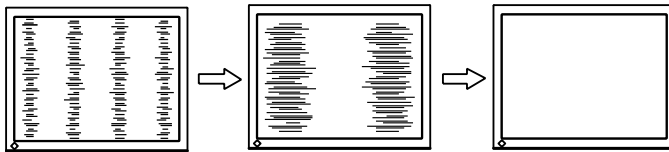## *4* Perform advanced adjustments for the following using the <Screen> menu of the Adjustment menu.

- **To eliminate vertical bars [Clock]**

  (1) Choose <Clock> from the <Screen> menu, and press ⓪.

  The <Clock> menu appears.

  (2) Adjust the clock with ◀ or ▶, and press ⓪.

  The adjustment is completed.
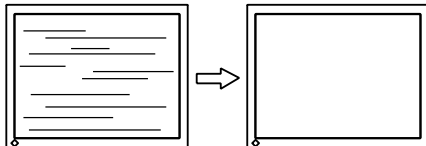
- **To remove flickering or blurring [Phase]**

  (1) Choose <Phase> from the <Screen> menu, and press ⓪.

  The <Phase> menu appears.

  (2) Adjust the phase with ◀ or ▶, and press ⓪.

  The adjustment is completed.

- **To correct screen position [Position]**

  Since the number of pixels and the pixel positions are fixed on the LCD monitor, only one position is provided to display images correctly. The position adjustment is made to shift an image to the correct position.

  (1) Choose <Position> from the <Screen> menu, and press ⓪.

  The <Position> menu appears.

  (2) Adjust the position with ▲ / ▼ / ◀ / ▶ to display the image properly in the display area of the monitor.
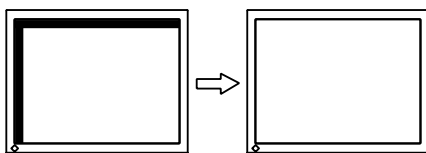
NOTE

- Press the control button slowly so as not to miss the adjustment point.
- When blurring, flickering or bars appear on the screen after adjustment, proceed to [Phase] to remove flickering or blurring.

Attention

- Flickering or blurring may not be eliminated depending on your PC or graphics board.

NOTE

- When vertical bars appear on the screen after adjustment, go back to "To eliminate vertical bars [Clock]." (Clock → Phase → Position)

- **To adjust extra or cut image [Resolution]**

  This adjustment is available to equalize the resolution shown on the Setting menu and the resolution of input signal.

  (1) Choose <Resolution> from the <Screen> menu, and press (●).
  The <Resolution> menu appears.
  (2) Adjust the vertical resolution with (▲) or (▼), and then horizontal resolution with (◀) or (▶), and press (●).
  The adjustment is completed.

  Extra image is displayed due to excessive dots.

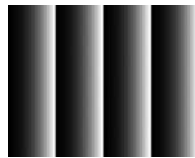 A part of image is cut due to short dots.
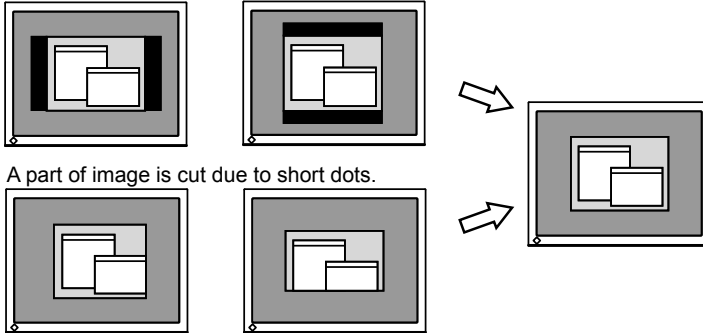
5 Adjust the color gradation.

- **To adjust color gradation automatically [Range Adjustment]**

  Every color gradation (0 to 255) can be displayed by adjusting the signal output level.

  (1) Display Pattern 2 in full screen on the monitor using the "Screen Adjustment Utility" or the screen adjustment pattern files.

  (2) Choose <Range Adjustment> from the <Screen> menu, and press (●).
  A message "Your setting will be lost it you press AUTO button" appears.
  (3) Press (A) while the message is displayed.
  Color gradation is adjusted automatically.
  (4) Close the Pattern 2. When using the "Screen Adjustment Utility", close the program.

6 Change the smoothing setting.

- **To modify blurred characters/lines [Smoothing]**

  When a low-resolution image is displayed in the "Full Screen" or "Enlarged" mode, the characters or lines of the displayed image may be blurred.

  (1) Choose <Screen> from the Adjustment menu, and press (●).
  (2) Choose <Smoothing> from the <Screen> menu, and press (●).
  The <Smoothing> menu appears.
  (3) Adjust the characters/lines with (◀) or (▶), and press (●).
  The smoothing adjustment is completed.

Attention
- Smoothing setting may not be required depending on the display resolution. (You cannot choose the smoothing icon.)

2-3 Color Adjustment

Simple adjustment [FineContrast mode]
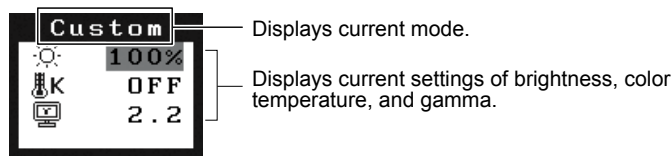
This function allows you to select the best display mode for monitor brightness, etc.

● **FineContrast Mode**

An appropriate display mode is selectable out of five modes.

Mode	Purpose
Custom	Available for making desired setting.
sRGB	Suitable for color matching with sRGB compatible peripherals.
Text	Suitable for displaying texts for word processing or spreadsheets.
Picture	Suitable for displaying images such as photos or picture images.
Movie	Suitable for playing back animated images.

FineContrast menu
Example) Custom

Custom ——— Displays current mode.

100%
OFF ——— Displays current settings of brightness, color temperature, and gamma.
2.2

● **To select FineContrast mode**

(1) Press (M).
The FineContrast menu appears at the lower left of the screen.
(2) One of five modes is displayed in turn each time (M) is pressed.

Custom → sRGB → Text → Picture → Movie

(3) Choose desired mode and press (●).
The setting completes.

● **To update color setting of FineContrast mode**

<Brightness>, <Temperature>, and <Gamma> can be set or adjusted.

(1) Choose a desired function from the FineContrast menu with (▲) or (▼).
(2) Adjust the selected function with (◄) or (►), and press (●).
The adjustment is completed.

NOTE
• The Adjustment menu and the FineContrast menu cannot be displayed at the same time.

Attention
• Color temperature values and gamma values are fixed in some modes. Set them as shown in "To select an appropriate mode for images" on page 12.

NOTE
• The <Color> menu of the Adjustment menu allows advanced color adjustments for each mode. Refer to "To select an appropriate mode for images" on page 12.

Advanced Adjustments [Adjustment menu]

Independent setting and saving of color adjustment are available for each
FineContrast mode.

● To select an appropriate mode for images

✓: Adjustment available   −: Invalid for adjustment

Icon	Function	FineContrast mode				
		Custom	sRGB	Text	Picture	Movie
☼	Brightness*	✓	✓	✓	✓	✓
🌡K	Temperature*	✓	−	✓	✓	✓
🖥	Gamma*	✓	−	✓	−	−
🖥	Saturation	✓	−	✓	✓	✓
🎨	Hue	✓	−	✓	✓	✓
◑	Gain	✓	−	−	−	−
🎨	6 Colors	✓	−	−	−	−
🔁	Reset	✓	✓	✓	✓	✓

* These items can also be set or adjusted with the FineContrast menu.

Menu	Description	Adjustment range
Brightness ☼	To adjust the full screen brightness as desired	0 to 100%
	NOTE • You can also adjust the brightness by pressing ◀ or ▶ button while the adjustment menu is not displayed. Press ● after adjustment. • The values shown in the "%" are available only as reference.	
Temperature 🌡K	To select a color temperature	4000K to 10000K in units of 500K (including 9300K).
	NOTE • Setting the value to "Off" presents the natural color temperature of the panel. • The values shown in the Kelvin (K) are available only as reference.	
Gamma 🖥	To set a gamma value	1.4 to 3.0, Fixed
	NOTE • Digital signal input is recommended for gamma value setting. Set a gamma value to 1.8 - 2.2 for analog signal input. • Only when selecting "Custom" in the fine contrast mode, "Fixed" is available.	
Saturation 🖥	To adjust color saturation	−100 to 100 Setting the minimum (−100) turns the image to a monochrome screen.
	Attention • This function does not enable to display every color gradation.	
Hue 🎨	To produce a desired skin color, etc.	−100 to 100
	Attention • This function does not enable to display every color gradation.	

Attention
• Perform [Range Adjustment] before starting color adjustment for analog input signals.
  Refer to "To adjust color gradation automatically" on page 10.
• Wait 30 minutes or more from monitor power on before starting the color adjustment.
• Choose "Reset" in the <Color> menu to revert to the default settings (factory settings) of hue of the color mode selected.
• The same image may be seen in different colors on multiple monitors due to their monitor-specific characteristics. Make fine color adjustment visually when matching colors on multiple monitors.

NOTE
• The Adjustment menu and the FineContrast menu cannot be displayed at the same time.
• Adjustable functions vary depending on the type of FineContrast mode.

Menu	Description	Adjustment range
Gain ◑	To adjust red, green, and blue to a desired color tone respectively	0 to 100% Adjust the respective brightness of red/green/blue to make a desired color tone. Display an image with white or gray background for adjustment.
	NOTE • The values shown in the "%" are available only as reference. • When using the <Gain> setting, the <Temperature> setting is set to "Off."	
6 Colors	To adjust <Hue> and <Saturation> in Red, Yellow, Green, Cyan, Blue, and Magenta respectively	Hue: –100 to 100 Saturation: –100 to 100
Reset ↺	To reset the color settings of the selected FineContrast mode to the default settings	

● **To set/adjust color**

(1) Choose <Color> from the Adjustment menu, and press ⬤.
(2) Select a desired function with ▲ / ▼ / ◀ / ▶ from the <Color> menu, and press ⬤.
   The selected function menu appears.
(3) Adjust the selected item with ▲ / ▼ / ◀ / ▶, and press ⬤.
   The adjustment is completed.

2-4 Off Timer/Power Saving Settings

● To set monitor power-off time [Off Timer]

This function allows the monitor to automatically turn off after a specified time has passed. This function serves to reduce afterimages caused when the monitor screen is left on for a long time period without use. Use this function when an image is displayed throughout the day.

[Off Timer System]

Timer	Monitor	Power Indicator
ON time (1H - 23H)	Operating	Blue
Last 15 min. in "ON time"	Advance Notice*	Flashing blue
"ON time" expired	Power Off	Off

* When (⏻) is pressed during the advance notice period, the monitor continues to operate for additional 90 minutes. Extension of operation time can be set without limitation.

[Procedure]

(1) Choose <Others> from the Adjustment menu, and press (●).

(2) Choose <Off Timer> from the <Others> menu, and press (●).
   The <Off Timer> menu appears.

(3) Select "Enable" with (▲) or (▼).

(4) Set a monitor ON time (1 to 23 hours) with (◀) or (▶), and press (●).
   The Off Timer setting is completed.

[Resumption Procedure]

• Press (⏻).

● **To set monitor power-saving [VESA DPMS/DVI DMPM]**

■ **Analog input**
This monitor complies with the VESA DPMS standard.

[Power Saving System]

PC		Monitor	Power Indicator
Operating		Operating	Blue
Power saving	STAND-BY SUSPENDED OFF	Power saving	Orange

[Procedure]
(1) Choose <PowerManager> from the Adjustment menu, and press (●).
    The set menu appears.
(2) Select "VESA DPMS" with (▲) or (▼), and press (●).
    The power saving setting is completed.

[Resumption Procedure]
• Operate the mouse or keyboard to resume the normal screen.

■ **Digital input**
This monitor complies with the DVI DMPM standard.
[Power Saving System]
The monitor enters the power saving mode in five seconds in connection with the PC setting.

PC	Monitor	Power Indicator
Operating	Operating	Blue
Power saving	Power saving	Orange

[Procedure]
(1) Choose <PowerManager> from the Adjustment menu, and press (●).
    The set menu appears.
(2) Select "DVI DMPM" with (▲) or (▼), and press (●).
    The power saving setting is completed.

[Resumption Procedure]
• Operate the mouse or keyboard to resume the normal screen.

Attention
• Unplugging the power cord completely shuts off power supply to the monitor.
• USB compliant devices connected to the monitor work even if the monitor is in the power saving mode. Therefore, power consumption of the monitor varies with connected devices even in the power saving mode.
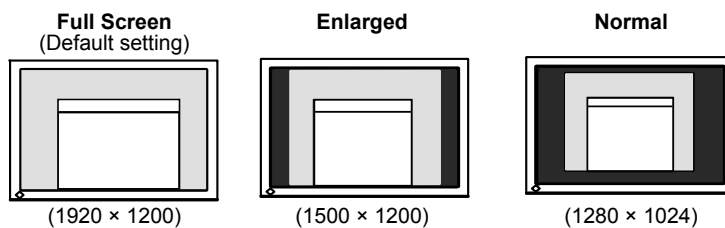
2-5   Screen Size Selection

● **To change screen size [Screen Size]**

The image with the resolution other than the recommended resolution is displayed in full screen automatically. You can change the screen size by using <Screen Size> from <Others> menu.

Menu	Function
Full Screen (default setting)	Displays an image in full screen. Images are distorted in some cases because the vertical rate is not equal to the horizontal rate.
Enlarged	Displays an image in full screen. In some cases, a blank horizontal or vertical border appears to equalize the vertical rate and the horizontal rate.
Normal	Displays images with the specified resolution.

Example: Image size 1280 × 1024

Full Screen (Default setting)   **Enlarged**   **Normal**

(1920 × 1200)   (1500 × 1200)   (1280 × 1024)

[Procedure]

(1) Choose <Others> from the Adjustment menu, and press (●).

(2) Choose <Screen Size> from the <Others> menu, and press (●).
The screen size setting window appears.

(3) Select "Full Screen," "Enlarged," or "Normal" with (▲) or (▼), and press (●).
The screen size setting is completed.

● **To adjust brightness of non-display area [Border Intensity]**

A border (black area with no image) around the image appears in the "Normal" or "Enlarged" mode.
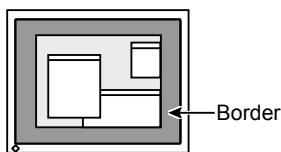
Border

(1) Choose <Others> from the Adjustment menu, and press (●).

(2) Choose <Border Intensity> from the <Others> menu, and press (●).
The <Border Intensity> menu appears.

(3) Adjust border intensity with (◄) or (►), and press (●).
The border intensity adjustment is completed.

2-6 Power Indicator/EIZO Logo Display Setting

● **To turn off the Power indicator while a screen is displayed [Power Indicator]**

This function enables to turn off the Power indicator (blue) while a screen is displayed.

(1) Choose <Others> from the Adjustment menu, and press (●).
(2) Choose <Power Indicator> from the <Others> menu, and press (●).
   The <Power Indicator> menu appears.
(3) Select "Disable" with (▲) or (▼), and press (●).
   The Power Indicator setting is completed.

● **To display EIZO logo [EIZO Logo Appearing Function]**

When this unit is turned on, the EIZO logo appears at the center of the screen. Selection to display or not to display the logo is available with this function.

(1) Press (⏻) to turn off the unit.
(2) Press (⏻) again while pressing (●) to turn on the unit.
   The EIZO Logo display/non-display function is toggled.

2-7 Beeper Settings

● **To set the beeper [Beep]**

Set the beeper on/off for operation tone of the switches, connection error, etc.

Sound type	Conditions for beeping
Short beep	• When an item is selected with (●) • When a maximum or minimum value is set with (▲) / (▼) / (◄) / (►) • When (S) is pressed
Long beep	• When (A) is pressed • When registration is performed with (●)
Consecutive beeps	• When the monitor is not connected correctly • When the PC is not turned on • When a frequency out of the specified range is received
Beep-beep once every 15 seconds	• 15 minutes before the power off time set by "Off Timer" (advance notice time)

(1) Choose <Others> from the Adjustment menu, and press (●).
(2) Choose <Beep> from the <Others> menu, and press (●).
   The <Beep> menu appears.
(3) Select "On" or "Off" with (▲) or (▼), and press (●).
   The beep setting is completed.

2-8 Locking Buttons

● **To lock operation [Adjustment Lock]**

This function locks the buttons to retain the status adjusted or set once.

Buttons that can be locked	• ⏺ (Enter button) • Ⓐ (Auto button) • Ⓜ (Mode button) • ▲ / ▼ / ◀ / ▶ / (Control buttons)
Buttons that cannot be locked	• ⏻ (Power button) • Ⓢ (Input signal selection) • 🔒 (Adjustment Lock button)

(1) Press 🔒 for more than two seconds.
    The adjustment lock setting is completed.

[Unlocking]
(1) Press 🔒 again for more than two seconds.
    The adjustment lock is released.

2-9 Setting Adjustment Menu Display

● **To update menu settings [Menu Size/Menu Position/Menu Off Timer/Translucent]**

Menu Size

Change the Adjustment menu size using the following procedure.

(1) Choose <Others> from the Adjustment menu, and press ⏺.
(2) Choose <Menu Settings> from the <Others> menu, and press ⏺.
(3) Choose <Menu Size> from the <Menu Settings> menu, and press ⏺.
    The <Menu Size> menu appears.
(4) Select "Enlarged" using ▲ or ▼, and press ⏺.
    The menu size setting is completed.

Menu Position

Adjust the menu position using the following procedure.

(1) Choose <Others> from the Adjustment menu, and press ⏺.
(2) Choose <Menu Settings> from the <Others> menu, and press ⏺.
(3) Choose <Menu Position> from the <Menu Settings> menu, and press ⏺.
    The <Menu Position> menu appears.
(4) Select a menu position with ▲ / ▼ / ◀ / ▶, and press ⏺.
    The menu position setting is completed.

Menu Off Timer

Set the menu display time using the following procedure.

(1) Choose <Others> from the Adjustment menu, and press ⏺.
(2) Choose <Menu Settings> from the <Others> menu, and press ⏺.
(3) Choose <Menu Off Timer> from the <Menu Settings> menu, and press ⏺.
    The <Menu Off Timer> menu appears.
(4) Select "Enable" with ▲ or ▼.
(5) Choose an Off Time (15/30/45/60 seconds) with ◀ or ▶, and press ⏺.
    The menu off timer setting is completed.

NOTE
• The display time of the FineContrast mode remains unchanged.

Translucent

Set the transparency for menu display using the following procedure.

(1) Choose <Others> from the Adjustment menu, and press (●).
(2) Choose <Menu Settings> from the <Others> menu, and press (●).
(3) Choose <Translucent> from the <Menu Settings> menu, and press (●).
   The <Translucent> menu appears.
(4) Adjust the transparency for menu display with (◀) or (▶), and press (●).
   The transparency setting is completed.

2-10 Setting Orientation
● **To set the orientation of the Adjustment menu [Orientation]**

This function allows you to change the orientation of the Adjustment menu when using the monitor screen in vertical display position.

(1) Choose <Others> from the Adjustment menu, and press (●).
(2) Choose <Menu Settings> from the <Others> menu, and press (●).
(3) Choose <Orientation> from the <Menu Settings> menu, and press (●).
   The <Orientation> menu appears.
(4) Select "Portrait" with (▲) or (▼), and press (●).
   The orientation setting is completed.
(5) Turn the monitor screen 90° in clockwise direction.

NOTE
• If you use the monitor with "Portrait" position, the setting may be required to change depending on the graphics board used in your PC. Refer to the manual of the graphics board for details.

2-11 Viewing Information/Setting Language
● **To check settings, usage time, etc. [Information]**

This function allows you to check settings, model name, serial number, and usage time of the monitor.

(1) Choose <Information> from the Adjustment menu, and press (●).
   The <Information> menu appears.
(2) Then, press (●) to check settings, etc.

NOTE
• The usage time is not always "0" when you purchase the monitor due to factory inspection.

● **To set a language to be displayed [Language]**

This function allows to select the Adjustment menu language.

Selectable languages

English/German/French/Spanish/Italian/Swedish/Simplified Chinese/
Traditional Chinese/Japanese

(1) Choose <Language> menu from the Adjustment menu, and press (●).
   The <Language> menu appears.
(2) Choose a language with (▲) / (▼) / (◀) / (▶), and press (●).
   The language setting is completed.

2-12 Setting BrightRegulator

● **To set automatic brightness adjustment [BrightRegulator]**

The sensor on the front side of the monitor detects the environmental brightness to adjust the screen brightness automatically and comfortably.

(1) Choose <Others> from the Adjustment menu, and press (●).
(2) Choose < BrightRegulator> from the <Others> menu, and press (●).
    The BrightRegulator setting window appears.
(3) Select "Enable" or "Disable" with (▲) or (▼), and press (●).
    The BrightRegulator setting is completed.

2-13 Resumption of Default Setting

● **To reset color adjustment [Reset]**

The hue in the color mode currently set will revert to the default settings (factory settings).

(1) Choose <Color> from the Adjustment menu, and press (●).
(2) Choose <Reset> from the <Color> menu and press (●).
    The <Reset> menu appears.
(3) Select <Reset> with (▲) or (▼), and press (●).
    The reset operation is completed.

● **To reset all settings [Reset]**

Reset all adjustments/settings to the factory default settings.

(1) Choose <Others> from the Adjustment menu, and press (●).
(2) Choose <Reset> from the <Others> menu, and press (●).
    The <Reset> menu appears.
(3) Select <Reset> with (▲) or (▼), and press (●).
    The reset operation is completed.

Chapter 3 Connecting Cables

3-1 Connecting Two PCs to the Monitor

Two PCs can be connected to the monitor through the DVI-I connector on the back of the monitor.

Connection examples
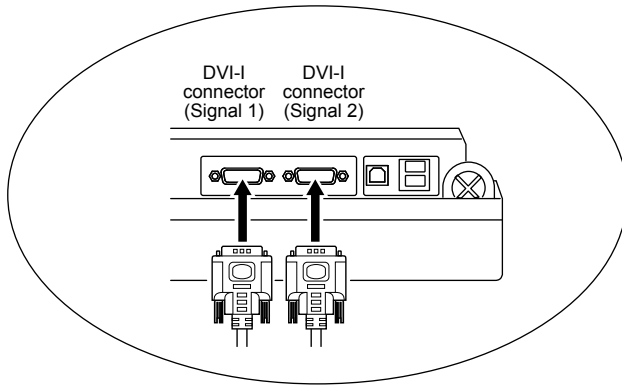
		PC 1		PC 2		
Example 1	Digital	DVI	Signal cable (supplied FD-C39)	Signal cable (supplied FD-C16)	D-sub mini 15-pin	Analog
Example 2	Analog	D-sub mini 15-pin	Signal cable (FD-C16 option)	Signal cable (supplied FD-C16)	D-sub mini 15-pin	Analog
Example 3	Digital	DVI	Signal Cable (FD-C39 option)	Signal cable (supplied FD-C39)	DVI	Digital

Selecting input signal

Input Signal Selection button
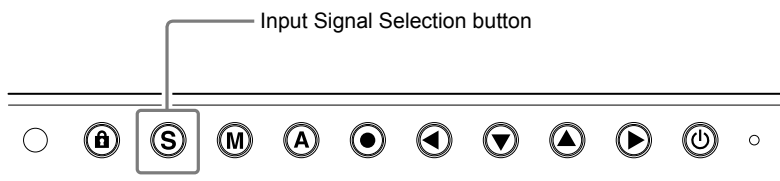
Switch the input signal with (S). Input signal switches each time (S) is pressed. When the signal is switched, the active signal type (Signal 1 or 2/Analog or Digital) appears at the top right corner of the screen.

● **To set priority of PC to be displayed [Input Priority]**

When two PCs are connected, either one can be displayed preferentially. The monitor senses the input signal regularly. When the signal that is given priority with the <Input Priority> setting is input, signal input switches automatically to the prior signal.

Priority setting	Function
1 Input from Signal 1	The input signal from "Signal 1" is displayed in the following cases. • When the monitor is turned on. • When the PC for the "Signal 1" is turned on while displaying the image of the "Signal 2". • When the PC for the "Signal 1" is recovered from the Power saving mode while displaying the image of the "Signal 2".
2 Input from Signal 2	The input signal from "Signal 2" is displayed in the following cases. • When the monitor is turned on. • When the PC for the "Signal 2" is turned on while displaying the image of the "Signal 1". • When the PC for the "Signal 2" is recovered from the Power saving mode while displaying the image of the "Signal 1".
Manual	The monitor does not detect the PC's signals automatically. Select an active input signal with (S).

[Procedure]

(1) Choose <Others> from the Adjustment menu, and press (●).
(2) Choose <Input Priority> from the <Others> menu, and press (●).
    The <Input Priority> menu appears.
(3) Select "1" or "2" or "Manual" with (◄) or (►), and press (●).
    The Input Priority setting is completed.

NOTE
• Power-saving function
When "1" or "2" is selected for <Input Priority>, the monitor's power-saving function works only when the two PCs are in the power-saving mode.
• When only one PC is connected, the input signal is detected automatically regardless of whether the input signal 1 or 2 has priority.

3-2 Connecting Peripheral USB Devices

This monitor has a hub compatible with USB. Connected to a PC compatible with USB or another USB hub, this monitor functions as a USB hub allowing connection to peripheral USB devices.

- **Required System Environment**
  (1) A PC equipped with a USB port or another USB hub connected to a USB compatible PC
  (2) Windows 2000/XP/Vista or Mac OS 9.2.2 and Mac OS X 10.2 or later
  (3) EIZO USB cable (MD-C93)

- **Connection Procedure (Setup of USB Function)**
  (1) Connect the monitor first to a PC using the signal cable, and run the PC.
  (2) Connect the supplied USB cable between the downstream USB port of a USB compatible PC (or another USB hub) and the monitor's upstream USB port.
  (3) When the USB function setup is completed, the monitor functions as a USB hub allowing connection to various peripheral USB devices through its downstream USB ports.

SX2461W

Upstream

Downstream

SX2761W

Upstream

Downstream
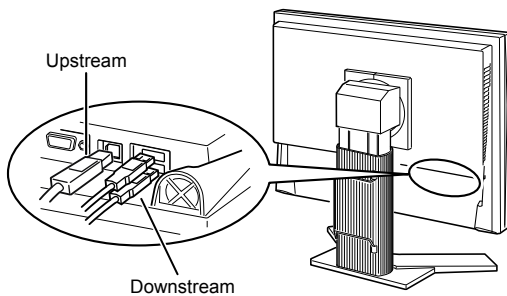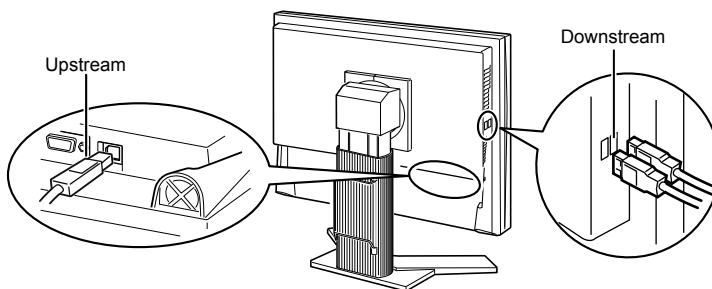
The USB function is set up automatically upon connection of the USB cable.
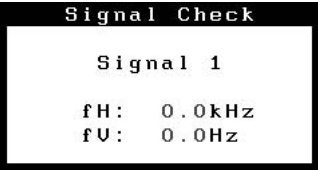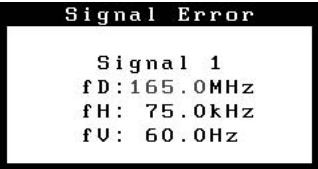
Chapter 4 Troubleshooting

If a problem still remains after applying the suggested remedies, contact your local dealer.

- No-picture problems → See No.1 - No.2.
- Imaging problems (digital input) → See No.3 - No.8.
- Imaging problems (analog input) → See No.3 - No.13.
- Other problems → See No.14 - No.17.
- USB problems → See No.18.

Problems	Possible cause and remedy
1. No picture • Power indicator does not light.	• Check whether the power cord is connected correctly. If the problem persists, turn off the monitor, and then turn it on again a few minutes later. • Press ⏻.
• Power indicator is lighting blue.	• Set each RGB adjusting value in <Gain> to higher level. (see page 13)
• Power indicator is lighting orange.	• Switch the input signal with Ⓢ. • Operate the mouse or keyboard. • Check whether the PC is turned on.
2. The message below appears.	This message appears when the signal is not input correctly even when the monitor functions properly.
• This message appears when no signal is input. **Signal Check** Signal 1 fH: 0.0kHz fV: 0.0Hz	• The message shown left may appear, because some PCs do not output the signal soon after power-on. • Check whether the PC is turned on. • Check whether the signal cable is connected properly. • Switch the input signal with Ⓢ.
• The message below shows that the input signal is out of the specified frequency range. (Such signal frequency is displayed in red.) Example: **Signal Error** Signal 1 fD:165.0MHz fH: 75.0kHz fV: 60.0Hz	• Reboot the PC. • Select an appropriate display mode using the graphics board's utility. Refer to the manual of the graphics board for details.
3. The screen is too bright or too dark.	• Adjust <Brightness>. (The LCD monitor backlight has a fixed life span. When the screen becomes dark or begins to flicker, contact your local dealer.)
4. Characters are blurred.	• Adjust using <Smoothing>. (see page 10)
5. Afterimages appear.	• Use a screen saver or off timer function for a long-time image display. • Afterimages are particular to LCD monitors. Avoid displaying the same image for a long time.
6. Green/red/blue/white dots or defective dots remain on the screen.	• This is due to LCD panel characteristics and is not a failure.
7. Interference patterns or pressure marks remain on the screen.	• Leave the monitor with a white or black screen. The symptom may disappear.
8. Noise appears on the screen.	• When entering the signals of analog input, select 1 to 4 in <Signal Filter> from the <Screen> menu to change the mode. • When entering the signals of HDCP system, the normal images may not be displayed immediately.

Problems	Possible cause and remedy
9. **Display position is incorrect.**	• Adjust image position so that it is displayed properly within the display area using the <Position> adjustment. (See page 9) • If the problem persists, use the graphics board's utility if available to change the display position.
10. **Screen image displayed is smaller or larger than the actual screen image.**	• Adjust the resolution using <Resolution> so that the input signal resolution equals the resolution in the resolution adjustment menu. (see page 10)
11. **Vertical bars appear on the screen or a part of the image is flickering.**	• Adjust using <Clock>. (see page 9)
12. **Whole screen is flickering or blurring.**	• Adjust using <Phase>. (see page 9)
13. **Upper part of the screen is distorted as shown below.**	• This is caused when both composite sync (X-OR) signal and separate vertical sync signal are input simultaneously. Select either composite signal or separate signal.
14. **The <Smoothing> icon on the Adjustment menu <Screen> cannot be selected.**	• Smoothing setting may not be required depending on the display resolution. (You cannot choose the smoothing icon.) • <Smoothing> is disabled when the screen is displayed in the following resolutions. • 1920 × 1200 • Select [Enlarged] during <Screen Size> in the resolution of 1600 × 1200 • Select [Normal] during <Screen Size>.
15. **The Main menu of Adjustment menu does not start.**	• Check for Adjustment Lock function. (see page 18)
16. **The FineContrast menu is not displayed.**	• Check whether the Main menu of Adjustment menu is displayed. (Refer to "Advanced Adjustments [Adjustment menu]" on page 12.) • Check for Adjustment Lock function. (see page 18)
17. **The auto-adjustment function does not work correctly.**	• This function does not work when digital signal is input. • Check for Adjustment Lock function. (see page 18) • This function does not work correctly with some graphics boards.
18. **The monitor connected with the USB cable is not detected. / USB devices connected to the monitor does not work.**	• Check whether the USB cable is connected correctly. • Change the USB port to another one. If the PC or peripheral devices works correctly by changing the USB port, contact your local dealer. (Refer to the manual of the PC for details.) • Please perform the followings to check the status. • Reboot the PC. • Connect the PC and peripheral devices directly. • If the PC or peripheral devices works correctly without connecting each other via the monitor (working as a USB hub), please contact your local dealer. • Check whether the PC and OS are USB compliant. (For USB compliance of the respective devices, consult their manufacturers.) • Check the PC's BIOS setting for USB when using Windows. (Refer to the manual of the PC for details.)

Chapter 5 Reference

5-1　Attaching an Arm

The stand can be removed and replaced with an arm (or another stand) to be attached to the monitor. Use an arm or stand of EIZO option.

[Attaching]

1 **Lay the LCD monitor on a soft cloth spread over on a stable surface with the panel surface facing down.**

2 **Remove the stand. (Prepare a screwdriver.)**
Unscrew the four screws securing the unit and the stand with the screwdriver.

3 **Attach the monitor to the arm or stand.**
Secure the monitor to the arm or stand using the screws specified in the user's manual of the arm or stand.
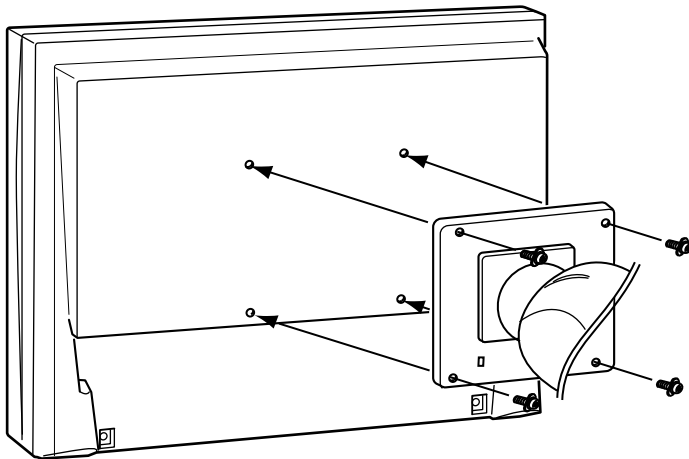
Attention
- When attaching an arm or stand, follow the instructions of their user's manual.
- When using another manufacturer's arm or stand, confirm the following in advance and select one conforming to the VESA standard. Use the M4 × 12 mm screws supplied with this monitor.
  – Clearance between the screw holes: 100 mm × 100 mm
  – Thickness of plate: 2.6 mm
  – Strong enough to support weight of the monitor unit (except the stand) and attachments such as cables.
- When using an arm or stand, attach it to meet the following tilt angles of the monitor.
  – Up 45 degrees, down 45 degrees (horizontal display, and vertical display rotated 90 degrees clockwise)
- Connect the cables after attaching an arm.

5-2 Cleaning

Clean the monitor periodically to keep the monitor clean and extend its life.

Cabinet

Clean the cabinet with a soft cloth dampened with little mild detergent.

LCD Panel

- Clean the LCD panel with a soft cloth such as cotton cloth or lens cleaning paper.
- Remove persistent stains gently with a cloth dampened with little water, and then clean the LCD panel again with a dry cloth for better finishing.

Attention

- Never use any solvents or chemicals, such as thinner, benzene, wax, alcohol, and abrasive cleaner, which may damage the cabinet or LCD panel.

NOTE

- Optional ScreenCleaner is recommended for cleaning the LCD panel surface.

5-3   Specifications

SX2461W

LCD Panel		24.1-inch (610 mm) TFT color LCD with anti-glare hard coating Viewing angle: Horizontal 178°, Vertical 178° (CR:10 or more)
Dot Pitch		0.270mm
Horizontal Scan Frequency		Analog: 24-94kHz Digital: 31-76kHz
Vertical Scan Frequency		Analog: 49-86Hz (Non-interlace) (1600 × 1200: 49-76Hz) (1920 × 1200: 49-61Hz) Digital: 59-61Hz (Non-interlace) (VGA TEXT: 69-71Hz)
Resolution		1920 dots × 1200 lines
Max. Dot Clock		Analog: 202.5MHz Digital: 162MHz
Max. Display Color		Approx. 16.77 million colors
Display Area (H × V)		518.4mm × 324.0mm
Power Supply		100-120 VAC ±10%, 50/60Hz 1.1A 200-240 VAC ±10%, 50/60Hz 0.55A
Power Consumption	Screen Display On	110W or less (with USB load) 100W or less (without USB load)
	Power saving mode	2W or less (for single signal input, without USB load)
	Power button Off	1W or less (without USB load)
Input Signal Connector		DVI-I connector (Applicable to HDCP) × 2
Analog Input Signal (Sync)		Separate, TTL, positive/ negative
		Composite, TTL, positive/ negative
Analog Input Signal (Video)		Analog, Positive (0.7Vp-p/75Ω)
Digital Signal Transmission System		TMDS (Single Link)
Video Signal Memory		Analog signal: 45 (preset: 30)
		Digital signal: 10 (preset: 0)
Plug & Play		VESA DDC 2B / EDID structure 1.3
Dimensions (Width) × (Height) × (Depth) mm (inch)	Main unit (including Height adjustable stand)	566mm(22.3) × 456 - 538mm(18.0 - 21.2) × 230mm(9.1)
	Main unit (without stand)	566mm(22.3) × 367mm(14.4) × 85mm(3.3)
Mass	Main unit (including Height adjustable stand)	11.0 kg (24.3 lbs.)
	Main unit (without stand)	7.4 kg (16.3 lbs.)
Movable range	Tilt	40° Up, 0° Down
	Swivel	35° Right, 35° Left
	Adjustable height	82 mm (3.2 inch)
	Rotation	90°
Environmental Conditions	Temperature	Operating temperature: 0 °C - 35 °C (32 °F - 95 °F) Storage temperature: -20 °C - 60 °C (-4 °F - 140 °F)
	Humidity	Relative humidity: 30% - 80% (no condensation)

USB	Standard	USB Specification Revision 2.0
	Port	Upstream port × 1, Downstream port × 2
	Supply current	Downstream: Max. 500mA/1 port

SX2761W

LCD Panel		27.0-inch (690 mm) TFT color LCD with anti-glare hard coating Viewing angle: Horizontal 178°, Vertical 178° (CR:10 or more)
Dot Pitch		0.303mm
Horizontal Scan Frequency		Analog: 24-94kHz Digital: 31-76kHz
Vertical Scan Frequency		Analog: 49-86Hz (Non-interlace) (1600 × 1200: 49-76Hz) (1920 × 1200: 49-61Hz) Digital: 59-61Hz (Non-interlace) (VGA TEXT: 69-71Hz)
Resolution		1920 dots × 1200 lines
Max. Dot Clock		Analog: 202.5MHz Digital: 162MHz
Max. Display Color		Approx. 16.77 million colors
Display Area (H × V)		581.76mm × 363.6mm
Power Supply		100-120 VAC ±10%, 50/60Hz 1.1A 200-240 VAC ±10%, 50/60Hz 0.6A
Power Consumption	Screen Display On	115W or less (with USB load) 110W or less (without USB load)
	Power saving mode	1.7W or less (for single signal input, without USB load)
	Power button Off	0.9W or less (without USB load)
Input Signal Connector		DVI-I connector (Applicable to HDCP) × 2
Analog Input Signal (Sync)		Separate, TTL, positive/ negative
		Composite, TTL, positive/ negative
Analog Input Signal (Video)		Analog, Positive (0.7Vp-p/75Ω)
Digital Signal Transmission System		TMDS (Single Link)
Video Signal Memory		Analog signal: 45 (preset: 30)
		Digital signal: 10 (preset: 0)
Plug & Play		VESA DDC 2B / EDID structure 1.3
Dimensions (Width) × (Height) × (Depth) mm (inch)	Main unit (including Height adjustable stand)	630mm(24.8) × 492.5 - 610.5mm(19.4 - 24.0) × 254.7mm(10.0)
	Main unit (without stand)	630mm(24.8) × 412mm(16.2) × 86mm(3.4)
Mass	Main unit (including Height adjustable stand)	13.2 kg (29.1 lbs.)
	Main unit (without stand)	8.7 kg (19.2 lbs.)
Movable range	Tilt	40° Up, 0° Down
	Swivel	35° Right, 35° Left
	Adjustable height	118 mm (4.6 inch)
	Rotation	90°

Environmental Conditions	Temperature	Operating temperature: 0 °C - 35 °C (32 °F - 95 °F) Storage temperature: -20 °C - 60 °C (-4 °F - 140 °F)
	Humidity	Relative humidity: 30% - 80% (no condensation)
USB	Standard	USB Specification Revision 2.0
	Port	Upstream port × 1, Downstream port × 2
	Supply current	Downstream: Max. 500mA/1 port

Main default settings (factory settings)

BrightRegulator		Disable
Smoothing		3
FineContrast Mode		Custom
PowerManager		VESA DPMS (Analog Input)
		DVI DMPM (Digital Input)
Screen Size		Full Screen
Beep		On
Off Timer		Disable
Menu Settings	Menu Size	Normal
	Menu Off Timer	45 sec
Input Priority		1
Language		English

Outside Dimensions
SX2461W

unit : mm (inch)

190(7.5)

35° 35°
SWIVEL

566(22.3)
520.4(20.5)

TILT
40°
85(3.35)
56.3
(2.22)

162.5(6.4)

69.8
(2.75)

301.5~383.5(11.9~15.1)

33(1.3)
230(9.1)

456~538(18.0~21.2)
326(12.8)
367(14.4)
272.5~354.5(10.7~14.0)
89~171(3.5~6.7)
398.5(15.7)
12~71.5
(0.47~2.81)

532(20.9)
233(9.2) 100(3.9) 233(9.2)

133.5(5.3)
100(3.9)
133.5(5.3)
222.5(8.8)

Outside Dimensions
SX2761W

unit : mm (inch)

240(9.4)

35° 35°
SWIVEL

630(24.8)
587.2(23.1)

TILT
40°
86(3.39)
51(2.0)

185(7.3)

69.7
(2.74)

315.5~433.5(12.4~17.1)

52(2.05)
254.7(10.0)

492.5~610.5(19.4~24.0)
369.2(14.5)
412(16.2)
286.5~404.5(11.3~15.9)
80.5(3.17)
405.6(16.0)
13.6(0.54)

596(23.5)
265(10.4) 100(3.9) 265(10.4)

156(6.1)
100(3.9)
156(6.1)
236.5(9.3)

Connector Pin Assignment

• DVI-I connector
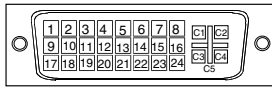
Pin No.	Signal	Pin No.	Signal	Pin No.	Signal
1	T.M.D.S. Data 2-	11	T.M.D.S. Data1/3 Shield	21	NC*
2	T.M.D.S. Data 2+	12	NC*	22	T.M.D.S. Clock shield
3	T.M.D.S. Data2/4 Shield	13	NC*	23	T.M.D.S. Clock+
4	NC*	14	+5V Power	24	T.M.D.S. Clock-
5	NC*	15	Ground (return for +5V, Hsync and Vsync)	C1	Analog Red
6	DDC Clock (SCL)	16	Hot Plug Detect	C2	Analog Green
7	DDC Data (SDA)	17	T.M.D.S. Data0-	C3	Analog Blue
8	Analog Vertical Sync	18	T.M.D.S. Data0+	C4	Analog Horizontal Sync
9	T.M.D.S. Data1-	19	T.M.D.S. Data0/5 Shield	C5	Analog Ground (analog R,G,&B return)
10	T.M.D.S. Data1+	20	NC*		

(NC*: No Connection)

• USB port
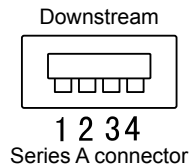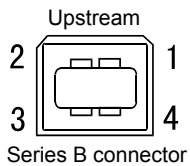
Contact No.	Signal	Remarks
1	VCC	Cable power
2	– Data	Serial data
3	+ Data	Serial data
4	Ground	Cable ground

Option List

Cleaning Kit	EIZO ScreenCleaner
Signal Cable	FD-C16 FD-C39
Speaker Unit	i•Sound L3

5-4 Glossary

Clock

The analog input monitor needs to reproduce a clock of the same frequency as the dot clock of the graphics system in use, when the analog input signal is converted to a digital signal for image display.
This is called clock adjustment. If the clock pulse is not set correctly, some vertical bars appear on the screen.

DVI (Digital Visual Interface)

DVI is a digital interface standard. DVI allows direct transmission of the PC's digital data without loss.
This adopts the TMDS transmission system and DVI connectors. There are two types of DVI connectors. One is a DVI-D connector for digital signal input only. The other is a DVI-I connector for both digital and analog signal inputs.

DVI DMPM (DVI Digital Monitor Power Management)

DVI DMPM is a digital interface power-saving function. The "Monitor ON (operating mode)" and "Active Off (power-saving mode)" are indispensable for DVI DMPM as the monitor's power mode.

Gain

This is used to adjust each color parameter for red, green and blue. An LCD monitor displays the color by the light passing through the panel color filter. Red, green and blue are the three primary colors. All the colors on the screen are displayed by combining these three colors. The color tone can be changed by adjusting the light intensity (volume) passing through each color's filter.

Gamma

Generally, the monitor brightness varies nonlinearly with the input signal level, which is called "Gamma Characteristic". A small gamma value produces a low-contrast image, while a large gamma value produces a high-contrast image.

HDCP (High-bandwidth Digital Contents Protection)

Digital signal coding system developed to copy-protect the digital contents, such as video, music, etc. This helps to transmit the digital contents safely by coding the digital contents sent via DVI terminal on the output side and decoding them on the input side.
Any digital contents cannot be reproduced if both of the equipments on the output and input sides are not applicable to HDCP system.

Phase

Phase means the sampling timing to convert the analog input signal to a digital signal. Phase adjustment is made to adjust the timing. It is recommended that phase adjustment be made after the clock is adjusted correctly.

Range Adjustment

Range adjustment controls the signal output levels to display every color gradation. It is recommended that range adjustment be made before color adjustment.

Resolution

The LCD panel consists of numerous pixels of specified size, which are illuminated to form images. This monitor consists of 1920 horizontal pixels and 1200 vertical pixels. At a resolution of 1920 × 1200, all pixels are illuminated as a full screen (1:1).

sRGB (Standard RGB)

International standard for "color reproduction and color space" among peripheral devices (such as monitors, printers, digital cameras, scanners). sRGB allows Internet users to closely match colors as a simple color matching means for the Internet use.

Temperature

Color temperature is a method to measure the white color tone, generally indicated in degrees Kelvin. The screen becomes reddish at a low temperature, and bluish at a high temperature, like the flame temperature.

5000K: Slightly reddish white

6500K: Warm white like paper white

9300K: Slightly bluish white

TMDS (Transition Minimized Differential Signaling)

A signal transmission system for digital interface.

VESA DPMS (Video Electronics Standards Association - Display Power Management Signaling)

VESA provides the standardization of signals from PC (graphics board) for power saving of PC monitors. DPMS defines the signal status between PC and monitor.

5-5 Preset Timing

The following table shows factory preset video timing (for analog signal only).

Mode	Dot clock		Frequency Horizontal: kHz Vertical: Hz	Polarity
VGA 640×480@60Hz	25.2 MHz	Horizontal	31.47	Negative
		Vertical	59.94	Negative
VGA 720×400@70Hz	28.3 MHz	Horizontal	31.47	Negative
		Vertical	70.09	Positive
Macintosh 640×480@67Hz	30.2 MHz	Horizontal	35.00	Negative
		Vertical	66.67	Negative
Macintosh 832×624@75Hz	57.3 MHz	Horizontal	49.72	Negative
		Vertical	74.55	Negative
Macintosh 1152×870@75Hz	100.0 MHz	Horizontal	68.68	Negative
		Vertical	75.06	Negative
Macintosh 1280×960@75Hz	126.2 MHz	Horizontal	74.76	Positive
		Vertical	74.76	Positive
VESA 640×480@72Hz	31.5 MHz	Horizontal	37.86	Negative
		Vertical	72.81	Negative
VESA 640×480@75Hz	31.5 MHz	Horizontal	37.50	Negative
		Vertical	75.00	Negative
VESA 640×480@85Hz	36.0 MHz	Horizontal	43.27	Negative
		Vertical	85.01	Negative
VESA 800×600@56Hz	36.0 MHz	Horizontal	35.16	Positive
		Vertical	56.25	Positive
VESA 800×600@60Hz	40.0 MHz	Horizontal	37.88	Positive
		Vertical	60.32	Positive
VESA 800×600@72Hz	50.0 MHz	Horizontal	48.08	Positive
		Vertical	72.19	Positive
VESA 800×600@75Hz	49.5 MHz	Horizontal	46.88	Positive
		Vertical	75.00	Positive
VESA 800×600@85Hz	56.3 MHz	Horizontal	53.67	Positive
		Vertical	85.06	Positive
VESA 1024×768@60Hz	65.0 MHz	Horizontal	48.36	Negative
		Vertical	60.00	Negative
VESA 1024×768@70Hz	75.0 MHz	Horizontal	56.48	Negative
		Vertical	70.07	Negative
VESA 1024×768@75Hz	78.8 MHz	Horizontal	60.02	Positive
		Vertical	75.03	Positive
VESA 1024×768@85Hz	94.5 MHz	Horizontal	68.68	Positive
		Vertical	85.00	Positive
VESA 1152×864@75Hz	108.0 MHz	Horizontal	67.50	Positive
		Vertical	75.00	Positive
VESA 1280×960@60Hz	108.0 MHz	Horizontal	60.00	Positive
		Vertical	60.00	Positive
VESA 1280×1024@60Hz	108.0 MHz	Horizontal	63.98	Positive
		Vertical	60.02	Positive
VESA 1280×1024@75Hz	135.0 MHz	Horizontal	79.98	Positive
		Vertical	75.03	Positive
VESA 1280×1024@85Hz	157.5 MHz	Horizontal	91.15	Positive
		Vertical	85.03	Positive
VESA 1600×1200@60Hz	162.0 MHz	Horizontal	75.00	Positive
		Vertical	60.00	Positive
VESA 1600×1200@65Hz	175.0 MHz	Horizontal	81.30	Positive
		Vertical	65.00	Positive

Attention

- Display position may be deviated depending on the PC connected, which may require screen adjustment using Adjustment menu.
- If a signal other than those listed in the table is input, adjust the screen using the Adjustment menu. However, screen display may still be incorrect even after the adjustment.
- When interlace signals are used, the screen cannot be displayed correctly even after screen adjustment using the Adjustment menu.

Mode	Dot clock		Frequency Horizontal: kHz Vertical: Hz	Polarity
VESA 1600×1200@70Hz	189.0 MHz	Horizontal	87.50	Positive
		Vertical	70.00	Positive
VESA 1600×1200@75Hz	202.5 MHz	Horizontal	93.80	Positive
		Vertical	75.00	Positive
VESA CVT 1680×1050@60Hz	146.3 MHz	Horizontal	65.29	Negative
		Vertical	59.95	Positive
VESA CVT 1920×1200	193.3 MHz	Horizontal	74.56	Negative
		Vertical	59.89	Positive
VESA CVT RB 1920×1200	154.0 MHz	Horizontal	74.04	Positive
		Vertical	59.95	Negative

For U.S.A. , Canada, etc. (rated 100-120 Vac) Only

FCC Declaration of Conformity

We, the Responsible Party	EIZO NANAO TECHNOLOGIES INC.
	5710 Warland Drive, Cypress, CA 90630
	Phone: (562) 431-5011
declare that the product	Trade name: EIZO
	Model: FlexScan SX2461W/SX2761W

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

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note

Use the attached specified cable below or EIZO signal cable with this monitor so as to keep interference within the limits of a Class B digital device.

- AC Cord
- Shielded Signal Cable (enclosed)

Canadian Notice

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de le classe B est comforme à la norme NMB-003 du Canada.

Chapter 5 Reference **37**

Hinweise zur Auswahl des richtigen Schwenkarms für Ihren Monitor

Dieser Monitor ist für Bildschirmarbeitsplätze vorgesehen. Wenn nicht der zum Standardzubehör gehörige Schwenkarm verwendet wird, muss statt dessen ein geeigneter anderer Schwenkarm installiert werden. Bei der Auswahl des Schwenkarms sind die nachstehenden Hinweise zu berücksichtigen:

Der Standfuß muß den nachfolgenden Anforderungen entsprechen:

a) Der Standfuß muß eine ausreichende mechanische Stabilität zur Aufnahme des Gewichtes vom Bildschirmgerät und des spezifizierten Zubehörs besitzen. Das Gewicht des Bildschirmgerätes und des Zubehörs sind in der zugehörenden Bedienungsanleitung angegeben.

b) Die Befestigung des Standfusses muß derart erfolgen, daß die oberste Zeile der Bildschirmanzeige nicht höher als die Augenhöhe eines Benutzers in sitzender Position ist.

c) Im Fall eines stehenden Benutzers muß die Befestigung des Bildschirmgerätes derart erfolgen, daß die Höhe der Bildschirmmitte über dem Boden zwischen 135 – 150 cm beträgt.

d) Der Standfuß muß die Möglichkeit zur Neigung des Bildschirmgerätes besitzen (max. vorwärts: 5°, min. nach hinten ≥ 5°).

e) Der Standfuß muß die Möglichkeit zur Drehung des Bildschirmgerätes besitzen (max. ±180°). Der maximale Kraftaufwand dafür muß weniger als 100 N betragen.

f) Der Standfuß muß in der Stellung verharren, in die er manuell bewegt wurde.

g) Der Glanzgrad des Standfusses muß weniger als 20 Glanzeinheiten betragen (seidenmatt).

h) Der Standfuß mit Bildschirmgerät muß bei einer Neigung von bis zu 10° aus der normalen aufrechten Position kippsicher sein.

Hinweis zur Ergonomie :

Dieser Monitor erfüllt die Anforderungen an die Ergonomie nach EK1-ITB2000 mit dem Videosignal, 1920 × 1200, Digital Eingang und mindestens 60,0 Hz Bildwiederholfrequenz, non interlaced. Weiterhin wird aus ergonomischen Gründen empfohlen, die Grundfarbe Blau nicht auf dunklem Untergrund zu verwenden (schlechte Erkennbarkeit, Augenbelastung bei zu geringem Zeichenkontrast.)

„Maschinenlärminformations-Verordnung 3. GPSGV:
Der höchste Schalldruckpegel beträgt 70 dB(A) oder weniger gemäss EN ISO 7779"