Installation Manual

PX3150

Color LCD Monitor

Important

To ensure that the product is used correctly, carefully read through this Installation Manual and the Instructions for Use before use.

- See the Instructions for Use for monitor installation and connection.
- You can check the latest product information, including the Installation Manual, from our web site.
  www.eizoglobal.com

This product has been adjusted specifically for use in the region to which it was originally shipped.
If operated outside this region, the product may not perform as stated in the specifications.

CONTENTS

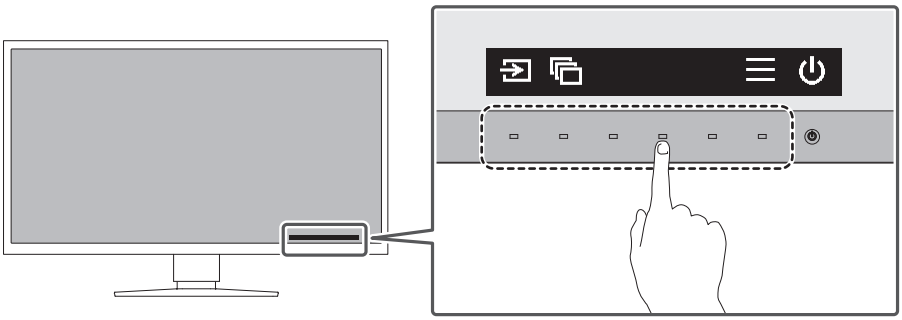
1 Basic Adjustment / Settings

This chapter describes the basic functions that can be adjusted and set using the switches on the front of the monitor.

For advanced adjustment and setting procedures using the Setting menu, see 2 Advanced Adjustments/Settings [▶ 7].

1.1 Switch Operation Method

1. Touch any switch (except ⏻).
   The operation guide appears on the screen.

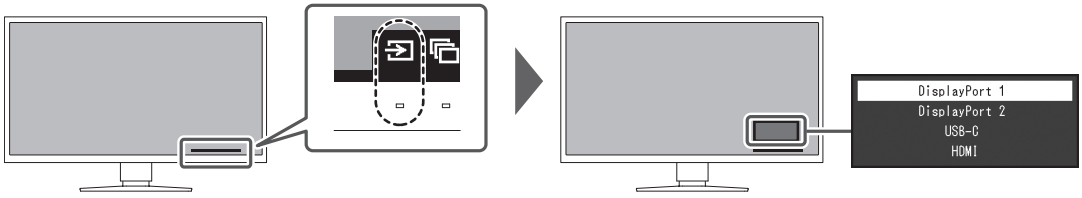


Note
• Do not directly touch the operation guide that appears on the screen. There are switches below the operation guide that can be touched to perform adjustment/setting.

2. Touch a switch for adjustment/setting.
   The Adjustment / Setting menu appears.
   (A sub menu may also be displayed. In this case, select the item for adjustment/setting using ∧ ∨ and select ✓.)
3. Perform adjustment/setting with the switches and select ✓ to accept the changes.
4. Select ✕ to exit the menu.

1.2 Switching Input Signals

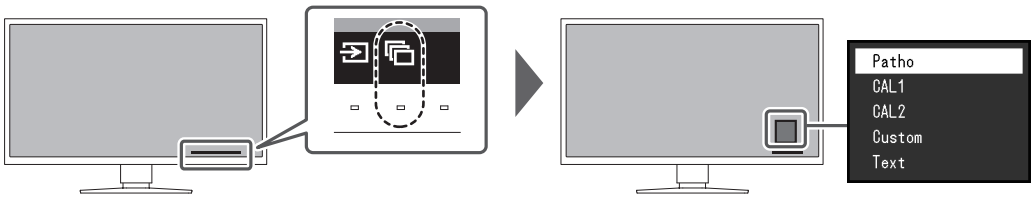
When a monitor has multiple signal inputs, the signal to display on-screen can be changed.



Attention
• If you turn the main power off and on again, the input signal is automatically detected regardless of the setting.

1.3 Switching Display Mode (CAL Switch Mode)

The display mode can be selected according to the usage of the monitor.



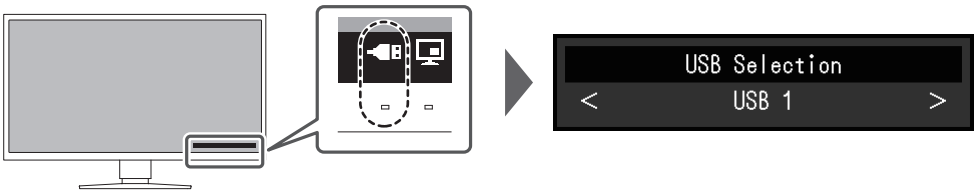
1.3.1 CAL switch modes

✓: Can be calibrated

Mode	Purpose	
Patho	Displays the calibration status using calibration software. This mode is for intended digital pathology use mode. Do not use other mode for digital pathology.	✓
CAL1	Displays the calibration status using calibration software.	✓
CAL2		✓
Custom	Select this mode to configure settings according to your preference.	-
Text	Suitable to display documents, spreadsheets, or other text.	-

1.4 Switching PCs Used to Operate USB Devices

Select the PC that will operate USB peripherals such as a mouse and keyboard connected to the USB downstream port of the monitor.



Attention

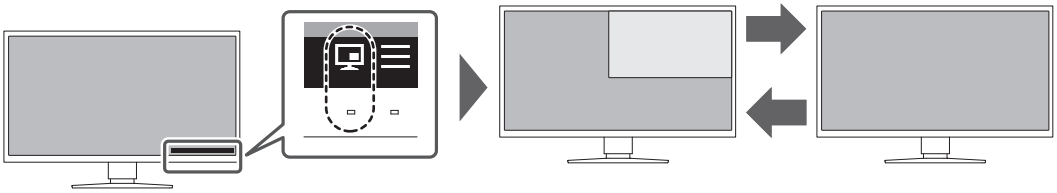
- does not display by default. To display it, you need to change the settings. For details, see USB Selection [▶ 17].

Note

- The PCs that use USB devices can be switched in connection with the switching of input signals or the mouse position by using RadiCS / RadiCS LE (Switch-and-Go). For details, see the Instructions for Use for RadiCS / RadiCS LE.

1.5 Displaying or Hiding the PinP sub Window

Each time you touch , you can show or hide the PinP sub window.



Attention

- does not display by default. To display it, you need to change the settings. For details, see PinP Settings - PinP Display [▶ 15].

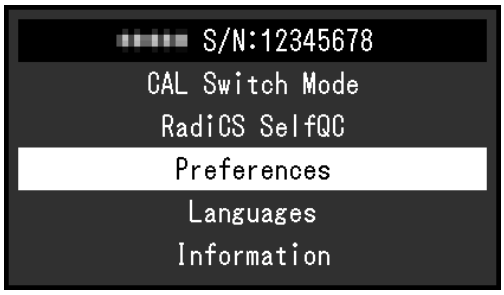
2 Advanced Adjustments/Settings

This chapter describes the advanced monitor adjustment and setting procedures using the Setting menu.

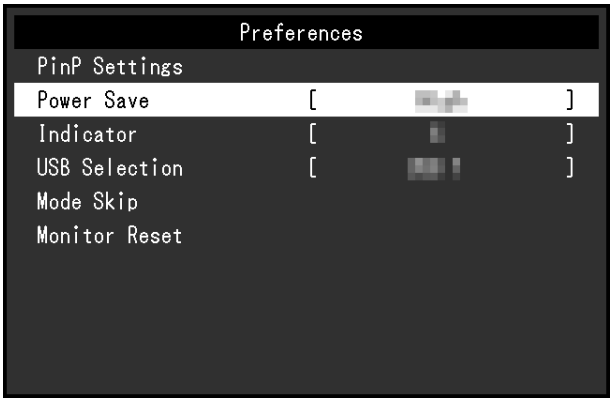
For basic functions, see 1 Basic Adjustment / Settings [▶ 4].

2.1 Basic Operation of the Setting Menu

1. Touch any switch (except ⏻).
   The operation guide appears.
2. Select ☰.
   The Setting menu appears.
3. Select a menu to adjust / set using ∧ ∨, then select ✓.



   The sub menu appears.
4. Select an item to adjust / set using ∧ ∨, then select ✓.



   The Adjustment / Setting menu appears.
5. Adjust / set the selected item using ∧ ∨ or < >, and then select ✓.
   Selecting ✕ during adjustment / setting will cancel the adjustment / setting and restore the state prior to making changes.

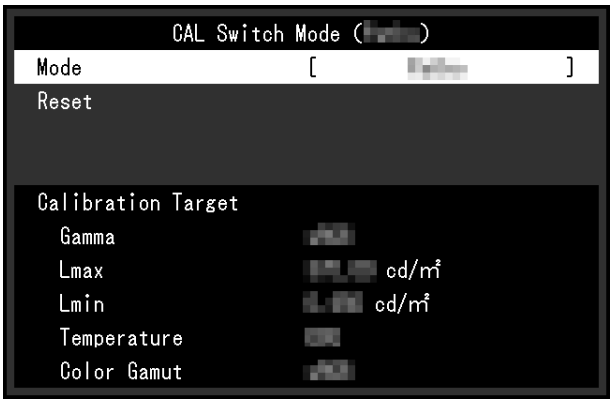
6. Selecting ✕ several times will close the Setting menu.

2.2 Setting Menu Functions

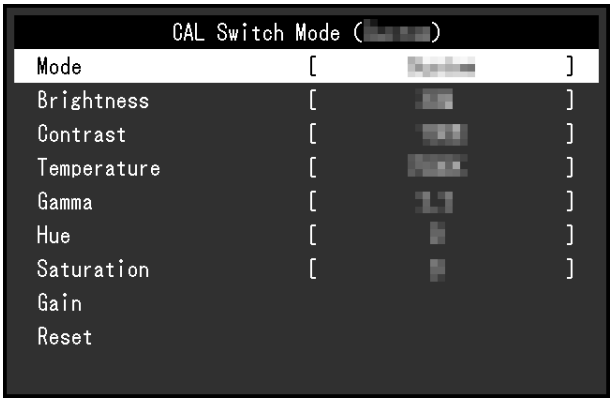
2.2.1 CAL Switch Mode

The mode settings can be adjusted according to personal preference. The adjusted settings are saved for each mode.

- Patho / CAL1 / CAL2



- Custom / Text



Functions that can be adjusted differ depending on the mode.

✓: Adjustable -: Not adjustable

	Patho	CAL1	CAL2	Custom	Text
Brightness	-	-	-	✓	✓
Contrast	-	-	-	✓	✓
Temperature	-	-	-	✓	✓
Gamma	-	-	-	✓	✓
Hue	-	-	-	✓	✓
Saturation	-	-	-	✓	✓
Gain	-	-	-	✓	✓
Reset	✓	✓	✓	✓	✓

Attention

- Please wait 15 minutes or more after the monitor power has been turned on or the monitor has recovered from the power saving mode before performing various tests for quality control, calibration, or screen adjustment of the monitor.
- The same image may be seen in different colors on multiple monitors due to differences between individual monitors. Make fine color adjustments visually when matching colors across multiple monitors. Follow the procedure below to adjust and match colors across multiple monitors.

1. Display a white screen on each monitor.
2. Use one of the monitors as a visual reference point to make adjustments to "Brightness", "Temperature", and "Gain" on the other monitors.

Note

- Use the values shown in "Brightness" and "Temperature" as reference only.

Mode

Settings: "Patho" / "CAL1" / "CAL2" / "Custom" / "Text"

You can switch to the mode that suits the usage of the monitor.

The mode settings can also be adjusted according to personal preference. Select the mode to be adjusted, and configure it using the relevant functions.

Brightness

Settings: "0%" – "100%"

You can adjust the screen brightness by changing the brightness of the backlight (light source from the LCD back panel).

Note

- If the image is too bright even when the brightness is set to 0 %, adjust the contrast.

Contrast

Settings: "0%" – "100%"

You can adjust the brightness of the screen by varying the video signal level.

Note

- When the contrast is set to 100%, all the color gradations are shown.
- When adjusting the monitor, it is recommended to perform brightness adjustment, which does not lose gradation characteristics, prior to contrast adjustment.
- Perform contrast adjustment in the following cases:
  - If the screen is too bright even when the brightness is set to 0%.

Temperature

Settings: "Native" / "6000K" – "15000K" (in increments of 100K) / "D65"

You can adjust the color temperature.

The color temperature is normally used to express the hue of "White" and/or "Black" with a numerical value. The value is expressed in degrees "K" (Kelvin).

The screen becomes reddish at low color temperatures and bluish at high color temperatures, similar to the temperatures of a flame. A gain preset value is set for each color temperature setting value.

Note

- Use the value shown in "K" as reference.
- "Gain" allows you to perform more detailed adjustments (see Gain [▶ 10]).
- If set to "Native," the image is displayed in the preset color of the LCD panel (Gain: 100% for each RGB channel).
- When the gain is changed, the color temperature setting changes to "User."

Gamma

Settings: "1.6" – "2.7" / "sRGB"

This function allows you to adjust the gamma. While the brightness of the monitor varies depending on the video level of the input signal, the variation rate is not directly proportional to the input signal. Maintaining the balance between the input signal and brightness of the monitor is referred to as "Gamma correction".

Hue

Settings: "-100" – "100"

This function allows you to adjust hue.

Attention

- Using this function may prevent some color gradations from being able to be displayed.

Saturation

Settings: "-100" – "100"

This function allows you to adjust color saturation.

Attention

- Using this function may prevent some color gradations from being able to be displayed.

Note

- The minimum value (-100) changes the screen to monochrome.

Gain

Settings: "0%" – "100%"

The brightness of each color component (red, green, and blue) is called "gain". The hue of "white" can be changed by adjusting the gain.

Attention

- Using this function may prevent some color gradations from being able to be displayed.

Note

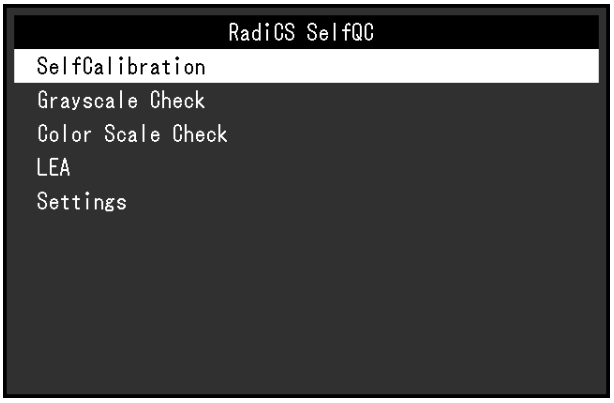
- The gain value changes according to the color temperature.
- When the gain is changed, the color temperature setting changes to "User".

Reset

Resets adjustments made only for the currently selected mode back to the default settings.

2.2.2 RadiCS SelfQC

This product is equipped with an integrated Integrated Front Sensor (calibration sensor). With the Integrated Front Sensor, the monitor can independently perform quality control tasks (calibration, grayscale check and color scale check).



Note

- Calibration can be performed periodically by using the schedule function of RadiCS LE. For more information about the setup procedure, refer to the RadiCS LE Instructions for Use.
- Using RadiCS, you can schedule not only calibrations but also grayscale and color scale checks. For more information about the setup procedure, refer to the RadiCS Instructions for Use.
- If you want to perform high-level quality control in compliance with medical standards and guidelines, use the optional monitor quality control software kit "RadiCS UX2."
- To match the measurement results of the integrated calibration sensor (Integrated Front Sensor) and the optional external sensor, perform correlation between the Integrated Front Sensor and the external sensor using RadiCS / RadiCS LE. Periodical correlation allows you to maintain the measurement result of the Integrated Front Sensor at a level equivalent to that of the external sensor. For details on correlation, refer to the RadiCS / RadiCS LE Instructions for Use.
- To ensure that the measurements from the built-in illuminance sensor are equivalent to those from an illuminance meter, use RadiCS / RadiCS LE to perform correlation of the illuminance sensor. For details on correlation of the illuminance sensor, refer to the RadiCS / RadiCS LE Instructions for Use.

SelfCalibration

Execute SelfCalibration and view the latest results.

SelfCalibration - Execute

Executes SelfCalibration.

Attention

- If the power to the PC is turned off or the input signal switches while SelfCalibration is running, the execution will be canceled.
- After SelfCalibration is complete, perform Grayscale Check at the same room temperature and illuminance as those in the actual working environment.

Note

- The following items can be set by using RadiCS / RadiCS LE. For more information about the setup procedure, refer to RadiCS / RadiCS LE Instructions for Use.
  - Calibration target
  - SelfCalibration schedule
  - If you have configured the schedule using RadiCS / RadiCS LE, the next execution schedule is displayed.
- The calibration target value can be confirmed by selecting the target mode in "CAL Switch Mode" of the Setting menu.

SelfCalibration - Result

Settings: "Patho" / "CAL1" / "CAL2"

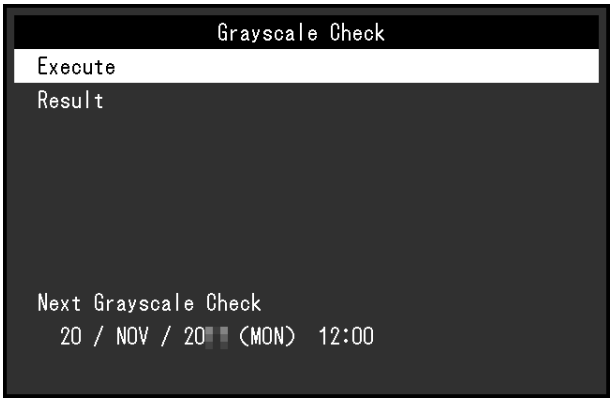
The SelfCalibration results (such as Max. Error Rate, Last Time, and Error Code) for the selected mode are displayed.

Attention

- The results can be checked when "QC History" is set to "On" (see Settings - Warning [▶ 14], Settings - QC History [▶ 15]).

Grayscale Check

Perform Grayscale Check and view the latest results. Furthermore, if you have configured the schedule using RadiCS, the next execution schedule is displayed.



Grayscale Check - Execute

Executes Grayscale Check.

Attention

- Perform Grayscale Check based on the actual color temperature and brightness of the working environment.

Note

- The determination value for Grayscale Check can be specified from RadiCS. Refer to the RadiCS Instructions for Use for details.
- The Grayscale Check schedule can be configured using RadiCS. For more information about the setup procedure, refer to the RadiCS Instructions for Use. If you have configured the schedule using RadiCS, the next execution schedule is displayed.

Grayscale Check - Result

Settings: "Patho" / "CAL1" / "CAL2"

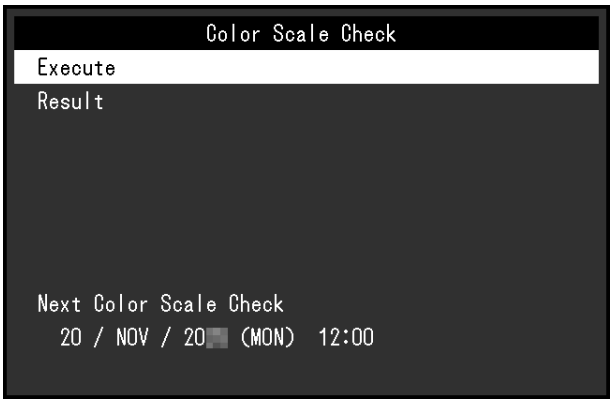
Up to five past results (Passed, Failed, Canceled, or Error) for the selected mode are displayed.

Attention

- The results can be checked when "QC History" is set to "On."

Color Scale Check

Perform Color Scale Check and view the latest results. Furthermore, if you have configured the schedule using RadiCS, the next execution schedule is displayed.



Color Scale Check - Execute

Executes Color Scale Check.

Attention

- Perform Color Scale Check based on the actual color temperature and brightness of the working environment.

Note

- The determination value for Color Scale Check can be specified from RadiCS. Refer to the RadiCS Instructions for Use for details.
- The Color Scale Check schedule can be configured using RadiCS. For more information about the setup procedure, refer to the RadiCS Instructions for Use. If you have configured the schedule using RadiCS, the next execution schedule is displayed.

Color Scale Check - Result

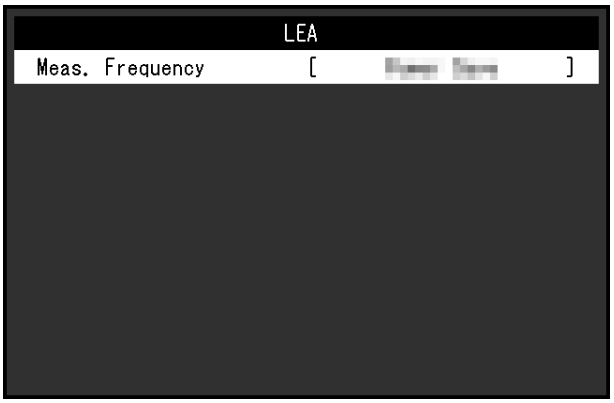
Settings: "Patho" / "CAL1" / "CAL2"

Up to five past results (Passed, Failed, Canceled, or Error) for the selected mode are displayed.

Attention

- The results can be checked when "QC History" is set to "On."

LEA



LEA - Meas. Frequency

Settings: "Power Save" / "Routine" / "Off"

You can acquire data required to estimate the monitor's lifespan. The life estimation result based on the acquired data can be confirmed using RadiCS / RadiCS LE.

Note

- Data is collected every 100 hours.
- If you selected "Power Save" and 100 hours have elapsed, the data collection process runs when the monitor enters the power saving mode or the power is turned off.
- If "Routine" or "Power Save" is selected, the Integrated Front Sensor starts measurement at the time of data collection. If "Off" is selected, measurement using the Integrated Front Sensor is not performed at the time of data collection.
- The collected data is saved at the following timings:
  - 500, 1000, 2000, 4000, 7000, 10000, 15000, 20000, 25000, and 30000 hours.

Settings

Settings - Warning

Settings: "On" / "Off"

If this function is set to "On," a warning is displayed if either or both of the Grayscale Check and Color Scale Check results are "Failed."

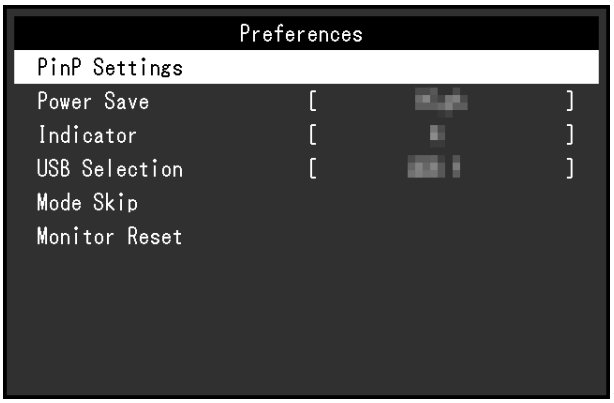
Settings - QC History

Settings: "On" / "Off"

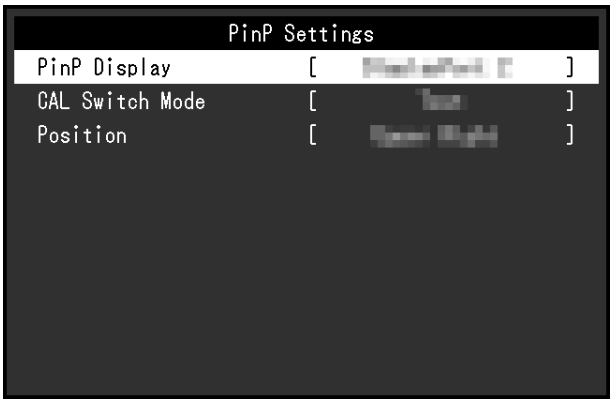
If this function is set to "On," the execution results (QC history) of SelfCalibration and Grayscale Check are displayed.

2.2.3 Preferences

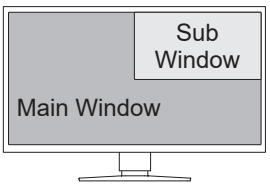
The monitor settings can be configured to suit your usage environment or preferences.



PinP Settings



Display image



PinP Settings - PinP Display

Settings: "Off" / "DisplayPort 2" / "USB-C" / "HDMI"

Select the input signal for the PinP sub window to be displayed on the screen. If this function is set to "Off," the PinP sub window is not displayed.

Note

- This function is not available when the HDMI signal is displayed on a single screen (displayed in gray text).
- The signal input to the PinP sub windows is displayed in an enlarged view. For the reason, the PinP sub window is not suitable for displaying medical images.
- If this function is set to a setting other than "Off," is displayed in the operation guide. When you touch the operation switch ( ), the display of the PinP sub window will toggle between on and off.
- By using RadiCS / RadiCS LE, you can display or hide the PinP sub window more easily using a mouse or keyboard (Hide-and-Seek). Refer to RadiCS / RadiCS LE Instructions for Use for details.

PinP Settings - CAL Switch Mode

Settings: "Patho" / "CAL1" / "CAL2" / "Custom" / "Text"

Select the display mode of the PinP sub window.

PinP Settings - Position

Settings: "Upper Right" / "Lower Right" / "Lower Left" / "Upper Left"

You can select the display position of the PinP sub window.

Power Save

Settings: "High" / "Low" / "Off"

You can specify whether the monitor enters the power saving mode according to the PC status.

- "High"
  Turns the backlight off. This provides the highest power saving effect.
- "Low"
  Sets the backlight to the lowest lighting level. The time until operations stabilize after restoring from power saving mode can be reduced.
- "Off"
  Does not enable the power saving mode. The backlight lights up irrespective of the PC status. This setting may shorten the backlight life.

Note

- When not using the monitor, you can turn off the main power supply or disconnect the power plug so that the power is cut completely.
- Devices connected to the USB upstream port and downstream port still work when the monitor is in the power saving mode or when the power is switched off using the power button ( ) of the monitor. For this reason, power consumption of the monitor varies with connected devices even in the power saving mode.
- When the signal input from the PC is no longer detected, a message appears notifying the user of the transition to power saving mode. The monitor enters power saving mode 5 seconds after the message appears.
- When power save is set to "High" or "Low," the status of the monitor can be confirmed by checking the color of the indicator on the power switch.
  – Power indicator is green: Monitor is in normal operating mode
  – Power indicator is orange: Monitor is in power saving mode

Indicator

Settings: "1" – "7" / "Off"

The brightness of the power switch indicator (green) while the screen is displayed can be adjusted. The larger the set value, the brighter the power indicator lights up. On the other hand, the smaller the value, the darker it becomes. The "Off" setting turns off the power switch indicator.

USB Selection

Settings: "USB 1" / "USB-C" / "USB 1 - USB 2" / "USB 1 - USB-C"

Select the PC that will operate USB peripherals such as a mouse and keyboard connected to the USB downstream port of the monitor.

- "USB 1"
  The PC connected to USB-B 1 ( ) is selected.
- "USB-C"
  The PC connected to USB Type-C® (USB-C®) (Upstream:) is selected.
- "USB 1 - USB 2"
  Set this when manually switching the USB peripheral device connection between the PC connected to USB-B 1 ( ) and the PC connected to USB-B 2 ( ). When this is set, is displayed in the operation guide. Touch the displayed operation switch ( ) and select "USB 1" or "USB 2."
- "USB 1 - USB-C"
  Set this when manually switching the USB peripheral device connection between the PC connected to USB-B 1 ( ) and the PC connected to USB-C (Upstream:). When this is set, is displayed in the operation guide. Touch the displayed operation switch ( ) and select "USB 1" or "USB-C."

Note

- Switching the USB upstream port will temporarily disconnect the USB signal. If a storage device such as a USB memory stick is connected to the monitor, switch the port only after you have removed the storage device.
- When Ethernet [▶ 21] is set to "On," "USB 1 - USB 2" cannot be selected.
- Connect a PC to USB-B 1 ( ) or USB-C (Upstream:) to perform monitor quality control.
- USB-C (Downstream:) operates as follows regardless of the "USB Selection" setting.
  - When Daisy Chain - Output [▶ 21] is set to "On" and Daisy Chain - Source [▶ 21] is set to "DisplayPort 1," it links with the PC connected to USB-B 1 ( )
  - When Daisy Chain - Output [▶ 21] is set to "On" and Daisy Chain - Source [▶ 21] is set to "USB-C," it links with the PC connected to USB-C (Upstream:)

Mode Skip

This function allows you to skip certain display modes when selecting a mode.

Please use this function if you want to limit the modes to be displayed, or avoid changing the display status randomly.

Attention

- Not all modes can be disabled (skipped). Set at least one mode to "-".

Monitor Reset

Restores all settings to their default settings except for the following settings:

- "PinP Settings" settings
- Settings on the "Administrator Settings" menu

Attention
• The previous settings cannot be recovered after they are reset to the default settings.

Note
• For details on default settings, see 5.3 Main Default Settings [▶ 31].

2.2.4 Languages

Settings: "English" / "German" / "French" / "Spanish" / "Italian" / "Swedish" / "Japanese" / "Simplified Chinese" / "Traditional Chinese"

The display language for menus and messages can be selected.

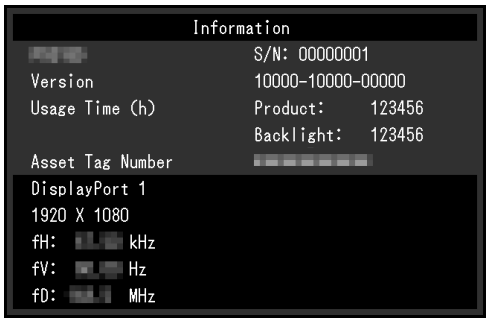
2.2.5 Information

You can check the monitor information (model name, serial number (S/N), firmware version, usage time) and the input signal information.

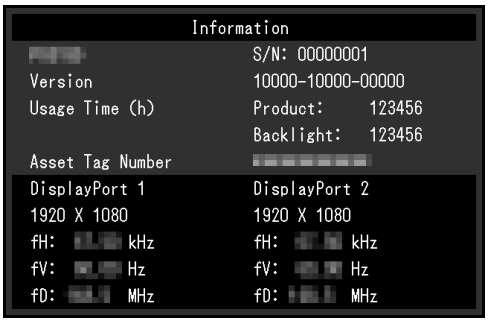
The asset tag number is only displayed when it has been set using RadiCS / RadiCS LE.

Example:

・Single window display



・PinP display



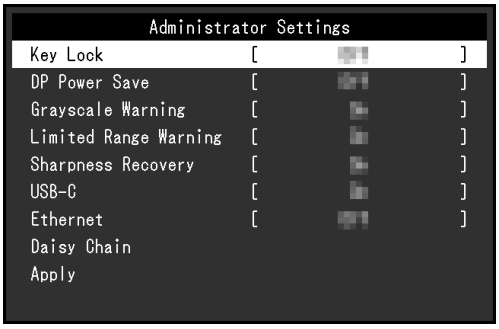
Attention
• The usage time may not be "0" at the time of your purchase because inspections and other processes had been carried out on the monitor before it was shipped from the factory.

3 Administrator Settings

This chapter describes how to configure monitor operation using the "Administrator Settings" menu.

3.1 Basic Operations of the "Administrator Settings" Menu

1. Touch ⏻ to turn off the monitor.
2. While touching the leftmost switch (⏎), touch ⏻ for more than 2 seconds to turn on the monitor.
   The "Administrator Settings" menu appears.
3. Select an item to set with ∧ ∨ and select ✓.



   The Adjustment / Setting menu appears.
4. Perform adjustment / setting with ∧ ∨ or < > and select ✓.

5. In the "Administrator Settings" menu, select "Apply," and then select ✓.
   The settings are applied and the "Administrator Settings" menu exits.

3.2 Functions of the "Administrator Settings" Menu

Key Lock

Settings: "Off" / "Menu" / "All"

In order to prevent changes to settings, the operation switches on the front of the monitor can be locked.

- "Off"
  Enables all switches.
- "Menu"
  Locks the ☰ switch.
- "All"
  Locks all switches except the power switch.

Note
• After calibration is performed using RadiCS / RadiCS LE, "Key Lock" - "Menu" is selected.

DP Power Save

Settings: "On" / "Off"

Connecting a PC to the DisplayPort connector enables DisplayPort™ communication, and thus consumes high power even in the power saving mode. The communication can be disabled by setting "DP Power Save" to "On". This reduces power consumption in the power saving mode.

Attention
• If "On" is selected, window and icon positions may shift when the monitor is powered on/off or returned from the power saving mode. In such cases, set this function to "Off".

Grayscale Warning

Settings: "On" / "Off"

You can specify whether to display the Grayscale Display Error message to indicate that a 6-bit (64-grayscale) signal has been detected when the DisplayPort signal or USB-C signal is input at the recommended resolution. If the error message appears, please turn off the main power, and then turn it on again.

Attention
• Always use with this set to "On" (the default setting is "On"). • Set this to "Off" only when using 6-bit (64 grayscale) display.

Limited Range Warning

Settings: "On" / "Off"

Set whether or not to display a warning message when a limited-range HDMI® input signal is detected. If a warning message is displayed, change the input signal to full range.

Sharpness Recovery

Settings: "On" / "Off"

EIZO's unique technology called "Sharpness Recovery" improves picture clarity and displays images that are true to the original source data.

Attention
• After changing the setting, perform a visual check according to the medical standards / guidelines.

USB-C

Settings: "On" / "Off"

Sets whether or not to display the USB-C input signal as a switchable signal when switching the input signal with  in the operation guide.

Ethernet

Settings: "On" / "Off"

You can switch between enabling and disabling of the LAN port of the monitor.

- "On"
  Enables the LAN port and allows network connections from PCs connected with USB-C.
- "Off"
  Disables the LAN port.

Note
• When this is set to "On," USB Selection [▶ 17] will automatically change to "USB 1" if it is currently set to "USB 1 - USB 2."

Daisy Chain

Daisy Chain - Output

Settings: "On" / "Off"

If this function is set to "On", it will enable a daisy-chain connection from the USB-C connector (downstream:) of this product to another monitor.

Note
• Even if this setting is set to "Off", power can still be supplied to devices connected to the USB-C connector (downstream:).

Daisy Chain - Source

Settings: "DisplayPort 1" / "USB-C"

Sets the signal output from the USB-C connector (downstream:) when the daisy chain connection is enabled.

- "DisplayPort 1"
  Outputs the signal input to the DisplayPort1 connector ().
- "USB-C"
  Outputs the signal input to the USB-C connector (upstream:).

4 Troubleshooting

4.1 No Picture

Power switch indicator does not light up

- Check whether the power cord is connected properly.
- Turn on the main power switch on the back of the monitor.
- Touch ⏻.
- Turn off the main power switch on the back of the monitor, and then turn it on again a few minutes later.

Power switch indicator lights up: Green

- Increase the adjustment values for "Brightness," "Contrast" and "Gain" in the Setting menu (see CAL Switch Mode [▶ 8]).
- Turn off the main power switch on the back of the monitor, and then turn it on again a few minutes later.

Power switch indicator lights up: Orange

- Try switching the input signal (see 1.2 Switching Input Signals [▶ 4]).
- Move the mouse or press any key on the keyboard.
- Check whether the PC is turned on.
- Check whether the signal cable is connected properly. Connect the signal cables to the connectors of the corresponding input signal.
- Turn off the main power switch on the back of the monitor, and then turn it on again.

Power switch indicator blinks: Orange, Green

- Connect using a signal cable specified by EIZO. Then turn off the main power switch on the back of the monitor, and then turn it on again a few minutes later.

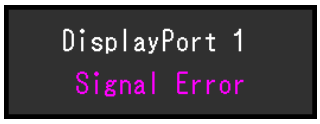
The message "No Signal" appears on the screen

Example:

- The message shown above may appear as some PCs do not output the signal immediately after power-on.
- Check whether the PC is turned on.
- Check whether the signal cable is connected properly. Connect the signal cables to the connectors of the corresponding input signal.
- The USB-C connector (Downstream:) is used for output when a daisy-chain connection is set up. No image is displayed even if it is connected to a computer.
- Try switching the input signal (see 1.2 Switching Input Signals [▶ 4]).
- Turn off the main power switch on the back of the monitor, and then turn it on again.

The message "Signal Error" appears on the screen

Example:



- Check whether the PC is configured to meet the resolution and vertical scan frequency requirements of the monitor (see "Compatible Resolutions" in the Instructions for Use).
- Reboot the PC.
- Select an appropriate setting using the graphics board's utility. Refer to the User's Manual of the graphics board for details.

The message "DP Unsupported" appears on the screen

- Check whether the connected cable is a signal cable recommended by EIZO.
- Check whether the USB-C of the connected device supports video signal output (DisplayPort Alt Mode). For details, contact the manufacturer of the device.
- Connect a DisplayPort cable or an HDMI cable.

4.2 Imaging Problems

The screen is too bright or too dark

- Adjust "Brightness" or "Contrast" in the Setting menu (see CAL Switch Mode [▶ 8]). The LCD monitor backlight has a limited life span. When the screen becomes dark or begins to flicker, contact your local EIZO representative.

Text is blurred

- Check whether the PC is configured to meet the resolution and vertical scan frequency requirements of the monitor (see "Compatible Resolutions" in the Instructions for Use).
- Try setting the magnification of display on the OS to "100 %". When using multiple monitors, try setting the magnification of display to "100 %" on all monitors.

An afterimage can be seen

- Afterimages are particular to LCD monitors. Avoid displaying the same image for a long time.
- Use the screensaver or sleep function to avoid displaying the same image for an extended period of time.
- An afterimage may appear even after a short time period has elapsed depending on the displayed image. In such cases, change the image or keep the power turned off for several hours.

Green, red, blue, or white dots remain on the screen / Some dots do not light up

- This is common with LCD panels, and is not a malfunction.

Interference patterns or pressure marks remain on the LCD panel

- Leave the monitor with a white or black screen. The symptom may disappear.

4.3 Other Problems

The Setting menu does not appear

- Check whether the operation switch lock function is active (see Key Lock [▶ 19]).

The Mode menu does not appear

- Check whether the operation switch lock function is active (see Key Lock [▶ 19]).

The operation switches do not work

- Check whether the operation switch lock function is active (see Key Lock [▶ 19]).
- Check whether there are any water droplets or foreign objects on the switch surface. Gently wipe the switch surface and try operating the switches again with dry hands.
- Are you wearing gloves? If so, remove the gloves and try operating the switches again with dry hands.

The screen is not displayed even when daisy chain is connected

- Check whether the signal cable is connected properly. To set up a daisy-chain connection, connect the signal cable to the DisplayPort 1 connector or the USB-C connector (Upstream:). Connect the second monitor to the USB-C connector (Downstream:).
- To set up a daisy-chain connection, set "Daisy Chain" in the Administrator Settings menu as follows (see Daisy Chain - Output [▶ 21], Daisy Chain - Source [▶ 21]).
  - "Daisy Chain" - "Output" : "On"
  - "Daisy Chain" - "Source": Select "DisplayPort 1" when the first computer is connected to the DisplayPort 1 connector, or select "USB-C" when it is connected to the USB-C connector (Upstream:).

USB peripheral devices connected to the monitor do not work / Cannot use the Docking Station Function

- Check whether the USB cable is correctly connected between the PC and the USB upstream port on the monitor.
- When two or more PCs are connected to one monitor, check whether the correct USB upstream port is enabled (see USB Selection [▶ 17]).
- Check whether the peripheral device is correctly connected to the USB downstream port on the monitor.
- Try using a different USB downstream port on the monitor.
- Try using a different USB port on the PC.
- Check whether the device drivers of the peripheral devices are up-to-date.
- Reboot the PC.
- Set "USB-C" to "On" (see USB-C [▶ 20]).
- In the following cases, the LAN port cannot be used.
  - When "Ethernet" is set to "Off" in the "Administrator Settings" menu.
    Set "Ethernet" to "On" (see Ethernet [▶ 21]).

  - When a USB-C connection is not used.
  - When the operating system of the PC is not supported (see "Network" in the Instructions for Use).
- If the peripheral devices work correctly when they are directly connected to the PC, contact your local EIZO representative.
- Check the PC's BIOS (UEFI) setting for USB when using Windows. (See the manual of the PC for details.)
- Check if the operating system of the PC is up-to-date.
- If you are using macOS Ventura (13) or later, select "Allow" in the "Allow accessory to connect?" message window that appears when connecting via USB.

The monitor does not supply power (USB Power Delivery) to the PC.

- Check whether the PC has the specifications to operate with a 94 W power supply.
- For a 94 W power supply, use the following USB cables:
  - CC150SS81G-5A (Included)

The Integrated Front Sensor stays out

- Turn off the main power switch on the back of the monitor, and then turn it on again.

RadiCS fails to connect to the monitor

- Check that the USB cable is not disconnected.
- Check the setting for USB Selection [▸ 17]. The USB connector connected to the PC with RadiCS installed must be enabled.

SelfCalibration / Grayscale Check / Color Scale Check fails

- See 4.4 Error Code Table [▸ 26].
- If an error code that does not appear in the error code table is displayed, contact your local dealer or EIZO representative.

Attention
• Do not touch the Integrated Front Sensor.

The SelfCalibration / Grayscale Check / Color Scale Check history does not display the clock time correctly

- Perform monitor detection using RadiCS / RadiCS LE. For details, refer to the RadiCS / RadiCS LE Instructions for Use.

4.4 Error Code Table

Error Code	Description
****50	• The maximum brightness of the monitor may be lower than the target brightness. • Try reducing the target brightness.
****52	• The minimum brightness of the monitor may be higher than the target minimum brightness. • Try increasing the target minimum brightness.
****05	• The sensor may not have worked correctly. • Turn off the main power, wait for a few minutes, turn the power back on, and then run SelfCalibration / Grayscale Check / Color Scale Check again.
****20 ****21	• The sensor may not have worked correctly. • Check whether there is any foreign object near the sensor. • Run SelfCalibration / Grayscale Check / Color Scale Check again.

5 Reference

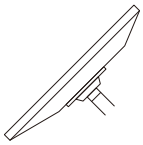
5.1 Arm Installation Procedure

A monitor arm (or a stand) by another manufacturer can be attached by removing the stand section.

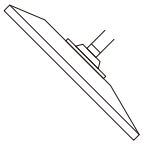
When attaching a monitor arm or stand, the installable orientations and movement range (tilt angle) are as follows:

- Orientation

- Movement range (tilt angle)



Up: 45˚



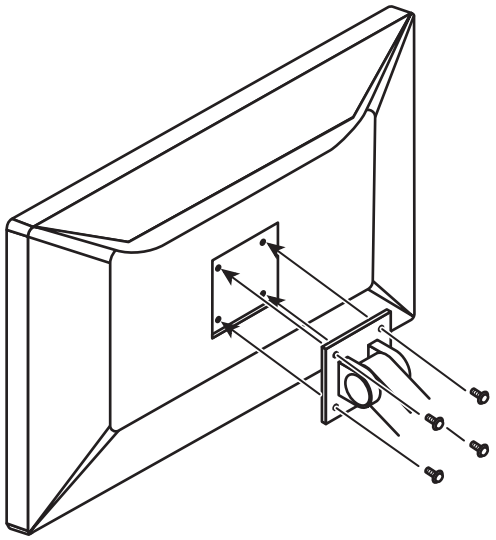
Down: 45˚

Attention

- When attaching a monitor arm or stand, follow the instructions of the respective User's Manual.
- When using a monitor arm or stand of another manufacturer, confirm the following in advance and select one conforming to the VESA standard:
  - Clearance between the screw holes: 100 mm x 100 mm
  - Arm or stand VESA mount dimensions: 122.6 mm x 122.6 mm or less
  - Strong enough to support weight of the monitor unit (excluding the stand) and attachments such as cables
- When using another manufacturer's arm or stand, use the following screws to secure it.
  - Screws fixing the stand to the monitor
- Connect the cables after attaching an arm or stand.
- Do not move the removed stand up and down. Doing so may result in injury or device damage.
- The monitor, arm, and stand are heavy. Dropping them may result in injury or equipment damage.
- Check periodically that the screws are tight enough. If not sufficiently tight, the monitor may detach from the arm, which may result in injury or equipment damage.

1. In order to prevent the LCD panel surface from being scratched, lay the monitor on a soft cloth spread on a stable surface with the LCD panel surface facing down.
2. Prepare a screwdriver. Using a screwdriver, remove the screws (four) securing the unit and the stand.

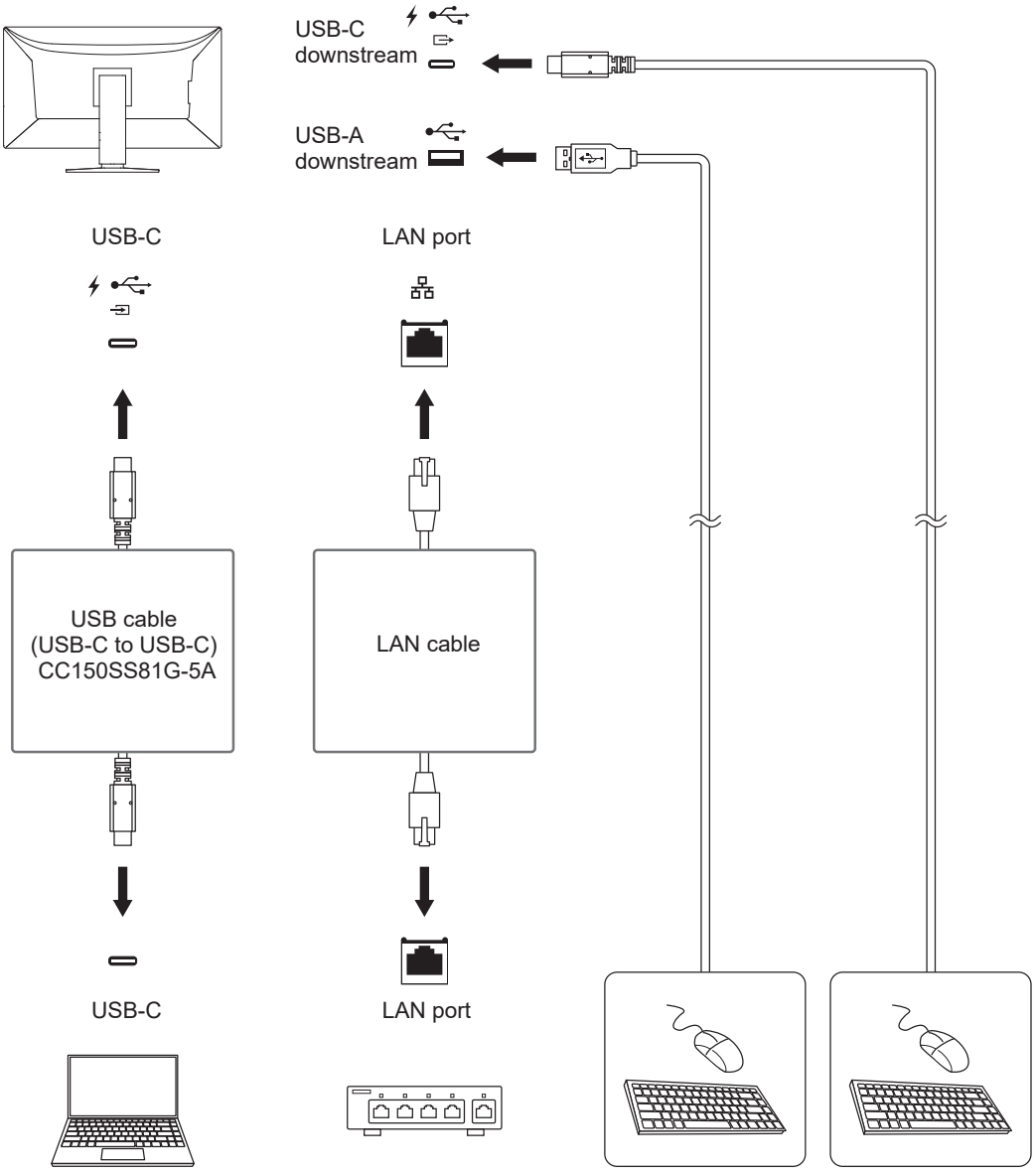
3. Use the screws that you removed in step 2 to attach the arm (or stand) to the monitor.



5.2 Using the Docking Station Function

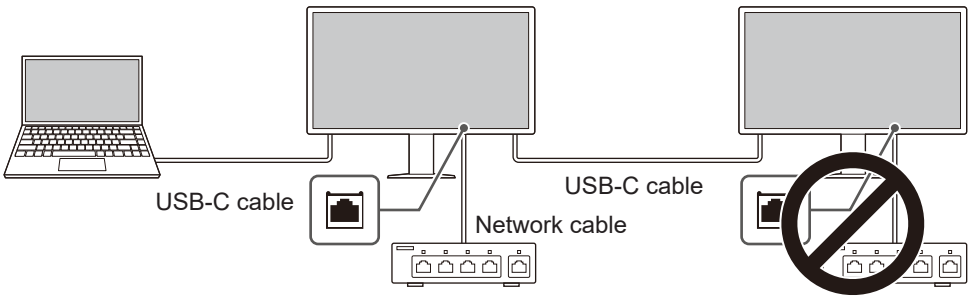
This product is equipped with a LAN port and USB hub so that it can be used as a docking station. By connecting a USB-C cable, you can create a stable network environment even on notebook PCs or tablet devices that are not equipped with LAN ports. In addition, peripheral devices that support USB can be used, and smartphones can be charged.

1. Connect a USB-C cable (CC150SS81G-5A).
2. Set Ethernet [▶ 21] to "On" and USB Selection [▶ 17] to "USB-C" or "USB 1 - USB-C".
3. Connect the LAN cable to the LAN port of the monitor.
4. If necessary, connect a mouse, keyboard, or other device to the USB downstream port.



Attention

- In a multi-monitor environment connected via a USB Type-C (USB-C) daisy chain, please use the LAN port of the monitor directly connected to the PC to establish a wired network connection. Do not use the LAN port of monitors that are not directly connected to the PC, as it may potentially affect network communication.



- This function may not work depending on the PC you are using, your OS, and your peripheral devices. Contact the manufacturer of each device for information about USB compatibility.
- Even when the monitor is in power saving mode, devices connected to the USB downstream port are operational. Due to this, the power consumption of the monitor varies depending on the connected devices, even in power saving mode.
- When the main power switch of the monitor is off, a device connected to the USB downstream port will not operate.

Note

- A cap is attached to the LAN port by default. Remove the cap when using.
- The transfer speed of the LAN port depends on the USB transfer speed. The USB transfer speed for this product is a maximum of 480 Mbps.
- The MAC address can be found on the back of the monitor. MAC address pass-through is not supported.
- By using RadiCS / RadiCS LE, you can replace the MAC address of the monitor with a different MAC address that has permission to access the network. For details, refer to the User's Manual for RadiCS / RadiCS LE.
- The LAN port cannot be used with a USB-B connection, but the USB hub function will operate. Peripheral devices that support USB can be used, and smartphones can be charged.

5.3 Main Default Settings

5.3.1 CAL Switch Mode

Factory default display setting is "Patho."

Mode	Brightness	Temperature	Gamma
Patho	370 cd/m^2	D65	sRGB
CAL1	270 cd/m^2	D65	sRGB
CAL2	270 cd/m^2	7500K	DICOM GSDF
Custom	Approx. 180 cd/m^2	7500K	2.2
Text	Approx. 100 cd/m^2	6500K	2.2

5.3.2 Others

LEA - Meas. Frequency	Power Save
Settings - Warning	Off
Settings - QC History	On
PinP Settings - PinP Display	Off*1
PinP Settings - CAL Switch Mode	Patho
PinP Settings - Position	Upper Right
Power Save	High
Indicator	4
USB Selection	USB 1
Mode Skip	- (Display all)
Languages	English
Key Lock	Off*1
DP Power Save	Off*1
Grayscale Warning	On*1
Limited Range Warning	On*1
Sharpness Recovery	On*1
USB-C	On*1
Ethernet	Off*1
Daisy Chain - Output	Off*1
Daisy Chain - Input	DisplayPort 1*1

*1 These settings cannot be reset to their default values by executing "Monitor Reset" (see Monitor Reset [▶ 18]).

5.4 Acceptance Test / Consistency Test

This monitor is shipped with CAL Switch Mode: Patho in compliance with our QC guideline "Pathology350."

Therefore, when using RadiCS to perform acceptance tests or consistency tests with CAL Switch Mode: Patho, we recommend that you select and run the QC guideline "Pathology350."

For information on how to change the QC guideline, refer to "4.2 Changing QC Guidelines" in the RadiCS / RadiCS LE Instructions for Use.

Appendix

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The period of this Warranty is five (5) years from the date of purchase of the Product (hereinafter referred to as the “Warranty Period”).

However, the brightness of the Product shall be warranted only if the Product has been used within the recommended brightness described in the User’s Manual.

The Warranty Period for the brightness is also limited to five (5) years from the date of purchase of the Product subject to the usage time being less than or equal to 10,000 hours (the brightness is 370 cd/m^2 and color temperature is D65).

EIZO and Distributors shall bear no liability or obligation with regard to the Product in relation to the Original Purchaser or any third parties other than as provided under this Warranty.

EIZO and Distributors will cease to hold or store any parts (excluding design parts) of the Product upon expiration of seven (7) years after the production of the Product is discontinued.

In repairing the Product, EIZO and Distributors will use renewal parts which comply with our QC standards. If the unit cannot be repaired due to its condition or the stockout of a relevant part, EIZO and Distributors may offer the replacement by a product with equivalent performance instead of repairing it.

The Warranty is valid only in the countries or territories where the Distributors are located. The Warranty does not restrict any legal rights of the Original Purchaser.

Notwithstanding any other provision of this Warranty, EIZO and Distributors shall have no obligation under this Warranty whatsoever in any of the cases as set forth below:

1. Any defect of the Product caused by freight damage, modification, alteration, abuse, misuse, accident, incorrect installation, disaster, adherent dust, faulty maintenance and/or improper repair by third party other than EIZO and Distributors;
2. Any incompatibility of the Product due to possible technical innovations and/or regulations;
3. Any deterioration of the sensor, including measurement value of the sensor;
4. Any defect of the Product caused by external equipments;
5. Any defect of the Product caused by the use under environmental conditions not anticipated by EIZO;
6. Any deterioration of the attachments of the Product (e.g. cables, User’s Manual, CD-ROM, etc.);
7. Any deterioration of the consumables, and/or accessories of the Product (e.g. batteries, remote controller, touch pen, etc.);
8. Any exterior deterioration or discoloration of the Product, including that of the surface of the LCD panel, the touch panel and the protect panel;

9. Any defect of the Product caused by placement in a location where it may be affected by strong vibrations or shocks;
10. Any defect of the Product caused by leaking battery liquid;
11. Any deterioration of the Product caused by the use at higher brightness than the recommended brightness described in the User's Manual;
12. Any deterioration of display performance caused by the deterioration of expendable parts such as the LCD panel and/or backlight, etc. (e.g. changes in brightness uniformity, changes in color, changes in color uniformity, defects in pixels including burnt pixels, etc.);
13. Any deterioration or malfunction of the cooling fan caused by adherent dust.

To obtain service under the Warranty, the Original Purchaser must deliver the Product, freight prepaid, in its original package or other adequate package affording an equal degree of protection, assuming the risk of damage and/or loss in transit, to the local Distributor. The Original Purchaser must present proof of purchase of the Product and the date of such purchase when requesting services under the Warranty.

The Warranty Period for any replaced and/or repaired product under this Warranty shall expire at the end of the original Warranty Period.

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