

# USER MANUAL

# *ProLite*

## LCD Monitor

ENGLISH

### *ProLite LH9852UHS*

Thank you for choosing to purchase an iiyama LCD display for Signage.

We recommend that you take a few minutes to read this comprehensive manual carefully before installing and switching on the monitor. Please keep this manual in a safe place for your future reference.



**Dear user, we congratulate you  
on the purchase of your iiyama LCD.**

For details on warranty and locally used pixel policies that apply directly after installation of your product please check the iiyama website.

**To report a fault, please contact  
your local support centre found at [www.iiyama.com/service](http://www.iiyama.com/service)**

## Things to check before you call the iiyama information line

- | if the power cable is connected securely and turned on?
- | if the display has been turned on?
- | if the signal cable is connected securely and the correct input selected?
- | if the computer has been restarted with the display connected?
- | if the graphics card is correctly installed with the latest drivers possible?
- | if the correct native resolution has been selected via 'Display Properties'?
- | If the R/G/B signal configuration is correct?
- | if the displays On Screen Menu is shown?
- | if the correct brightness and contrast settings have been set?
- | if given display tolerances and compatibility have been considered?
- | if via the On Screen Menu you have performed a Factory Reset/Recall?

## Before reporting the screen defect, please prepare the following information/evidence:

- | model number \*
- | purchase receipt and serial number \*
- | name and address for collection
- | telephone/fax number, for availability during the day
- | convenient collection date (date, time)
- | short description of the defect

## Important Note:

If there is no fault found in the collected equipment after inspection, the transferring party shall incur charges for transport and administration.

If you have checked all of the above and there is still no picture, call our information line for assistance in your country.

\* see the identification plate on the back of the case.

## CE MARKING DECLARATION OF CONFORMITY

This LCD monitor complies with the requirements of the EC/EU Directive 2014/30/EU "EMC Directive", 2014/35/EU "Low Voltage Directive" and 2011/65/EU "RoHS Directive".

### Warning

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

IYAMA CORPORATION: Wijkmeerstraat 8, 2131 HA Hoofddorp, The Netherlands

Model No. : PL9852UH



We recommend recycling of used product. Please contact your dealer or iiyama service center. Recycle information is obtained via the Internet, using the address: <http://www.iiyama.com>

You can access the Web page of different countries from there.

- We reserve the right to change specifications without notice.
- All trademarks used in this user manual are the property of their respective owners.

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# FOR YOUR SAFETY

## SAFETY PRECAUTIONS

### WARNING

#### STOP OPERATING THE MONITOR WHEN YOU SENSE TROUBLE

If you notice any abnormal phenomena such as smoke, strange sounds or fumes, unplug the monitor and contact your dealer or iiyama service center immediately. Further use may be dangerous and can cause fire or electric shock.

#### NEVER REMOVE THE CABINET

High voltage circuits are inside the monitor. Removing the cabinet may expose you to the danger of fire or electric shock.

#### DO NOT PUT ANY OBJECT INTO THE MONITOR

Do not put any solid objects or liquids such as water into the monitor. In case of an accident, unplug your monitor immediately and contact your dealer or iiyama service center. Using the monitor with any object inside may cause fire, electric shock or damage.

#### INSTALL THE MONITOR ON A FLAT, STABLE SURFACE

The monitor may cause an injury if it falls or is dropped.

#### DO NOT USE THE MONITOR NEAR WATER

Do not use where water may be splashed or spilt onto the monitor as it may cause fire or electric shock.

#### OPERATE UNDER THE SPECIFIED POWER SUPPLY

Be sure to operate the monitor only with the specified power supply. Use of an incorrect voltage will cause malfunction and may cause fire or electric shock.

#### PROTECT THE CABLES

Do not pull or bend the power cable and signal cable. Do not place the monitor or any other heavy objects on the cables. If damaged, the cables may cause fire or electric shock.

#### ADVERSE WEATHER CONDITIONS

It is advisable not to operate the monitor during a heavy thunder storm as the continual breaks in power may cause malfunction. It is also advised not to touch the plug in these circumstances as it may cause electric shock.

## CAUTION

### INSTALLATION LOCATION

Do not install the monitor where sudden temperature changes may occur, or in humid, dusty or smoky areas as it may cause fire, electric shock or damage. You should also avoid areas where the sun shines directly on the monitor.

### DO NOT PLACE THE MONITOR IN A HAZARDOUS POSITION

The monitor may topple and cause injury if not suitably located. Please also ensure that you do not place any heavy objects on the monitor, and that all cables are routed such that children may not pull the cables and possibly cause injury.

### MAINTAIN GOOD VENTILATION

Ventilation slots are provided to keep the monitor from overheating. Covering the slots may cause fire. To allow adequate air circulation, place the monitor at least 10 cm (or 4 inches) from any walls. Do not remove the tilt stand when operating the monitor. Ventilation slots on the back of the cabinet will be blocked and the monitor may overheat if the stand is removed. This may cause fire or damage. Operating the monitor on its back, side, upside down or on a carpet or any other soft material may also cause damage.

### DISCONNECT THE CABLES WHEN YOU MOVE THE MONITOR

When you move the monitor, turn off the power switch, unplug the monitor and be sure the signal cable is disconnected. If you do not disconnect them, it may cause fire or electric shock.

### UNPLUG THE MONITOR

If the monitor is not in use for a long period of time it is recommended that it is left unplugged to avoid accidents.

### HOLD THE PLUG WHEN DISCONNECTING

To disconnect the power cable or signal cable, always pull it by the plug. Never pull on the cable itself as this may cause fire or electric shock.

### DO NOT TOUCH THE PLUG WITH WET HANDS

Pulling or inserting the plug with wet hands may cause electric shock.

### WHEN YOU INSTALL THE MONITOR ON YOUR COMPUTER

Be sure the computer is strong enough to hold the weight of the monitor, otherwise, you may damage your computer.

## OTHERS

### ERGONOMIC RECOMMENDATIONS

To eliminate eye fatigue, do not operate the monitor against a bright background or in a dark room. For optimal viewing comfort, the monitor should be just below eye level and 40-60 cm (16-24 inches) away from your eyes. When using the monitor over a prolonged time, a ten minute break every hour is recommended as looking at the screen continuously can cause eye strain.

## SPECIAL NOTES ON LCD MONITORS

- The following symptoms are normal with LCD monitors and do not indicate a problem.

### NOTE

- When you first turn on the LCD monitor, the picture may not fit in the display area because of the type of computer that is used. In this case, adjust the picture position to the correct position.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- Due to the nature of the LCD screen, an afterimage of the previous screen may remain after switching the image, when the same image is displayed for hours. In this case, the screen is recovered slowly by changing the image or turning off the Power Switch for hours.

- This LCD cannot be used outdoors.
- This LCD cannot be used with the screen facing upwards.
- If you use a cable longer than the supplied one, the picture quality is not guaranteed.

## USAGE CONFIRMATION

This product is designed for optimum usage at 24hours per day. (by moving picture condition)

When using a still image, use it no more than 18 hours per day.

The display is compatible for usage in Landscape/Portrait applications.

## IMAGE PERSISTENCE / IMAGE STICKING

Please be aware that all LCD screens can experience Image Persistence or Image Sticking. This occurs when a residual image remains visible on a screen when static images are displayed for long periods of time. LCD Image Persistence is not permanent but constant images being displayed for a long period of time should be avoided.

To counteract Image Persistence, turn off the monitor for as long as the previous image was displayed, so if an image was on the monitor for 1 hour and there is evidence of a residual or “ghost” image, you should turn off the monitor for 1 hour in order to clear the residual image.

For all LFD products, iiyama recommends displaying moving images and utilising a moving screen saver at regular intervals whenever the screen is idle. You could also turn off the monitor when not in use to assist the prevention.

Other ways to reduce the risk of Image Persistence will be to utilise the FAN-on function (if available), Low Backlight and Low Brightness settings.

## FOR EXTENDED USE AS A PUBLIC DISPLAY

### ■ Image Sticking on LCD Panel

When a static image is displayed for hours, an electric charge trace remains near the electrode inside the LCD producing a “ghost” image. (Image Persistence).

Image Persistence is not a permanent feature.

### ■ Recommendations

To prevent Image Sticking and promote longer life expectancy of display, we recommend the following:

1. Avoid static images displayed for long periods – change static images on continuous loop.
2. Turn off monitor when not in use, either by remote control or use Power Management or Schedule functions.
3. When monitor is installed in high ambient temperature environment(s) or in an enclosed position, utilise the Cooling Fan, Screen Saver and Low Brightness functions.
4. Suitable ventilation for any monitor is an expectation of any installation – climate control systems may need to be employed.
5. We strongly recommend utilisation of active cooling with fans for long operation times or high ambient temperature environments.



## CUSTOMER SERVICE

### NOTE

- If you have to return your unit for service and the original packaging has been discarded, please contact your dealer or iiyama service center for advice or replacement packaging.

## CLEANING

### WARNING

- If you drop any materials or liquids such as water into the monitor when cleaning, unplug the power cable immediately and contact your dealer or iiyama service center.

### CAUTION

- For safety reasons, turn off the power switch and unplug the monitor before you clean it.

### NOTE

- To protect the LCD panel, do not scratch or rub the screen with a hard object.
- Never use any of the following strong solvents. These will damage the cabinet and the LCD screen.

Thinner	Benzine	Abrasive cleaner
Spray-type cleaner	Wax	Acid or Alkaline solvent

- Touching the cabinet with any product made from rubber or plastic for a long time may cause degeneration or loss of paint on the cabinet.

### CABINET

Stains can be removed with a cloth lightly moistened with a mild detergent solvent. Then wipe the cabinet with a soft dry cloth.

### LCD

Periodic cleaning with a soft dry cloth is recommended.

### SCREEN

Don't use tissue paper etc. because these will damage the LCD screen.

# BEFORE YOU OPERATE THE MONITOR

## FEATURES

- ◆ Supports Resolutions up to 3840 × 2160
- ◆ High Contrast 1300:1 (Typical) / Brightness 500cd/m<sup>2</sup> (Typical)
- ◆ Digital Character Smoothing
- ◆ Automatic Set-up
- ◆ Stereo Speakers  
2 × 10W Stereo Speakers
- ◆ Plug & Play VESA DDC2B Compliant  
Windows® XP/Vista/7/8/8.1/10 Compliant
- ◆ Power Management (VESA DPMS Compliant)
- ◆ VESA Mounting Standard (800mm×500mm) Compliant
- ◆ Support 24hrs/day usage (by moving picture condition)

## CHECKING THE CONTENTS OF THE PACKAGE

The following accessories are included in your package. Check to see if they are enclosed with the monitor. If anything is missing or damaged, please contact your local iiyama dealer or regional iiyama office.

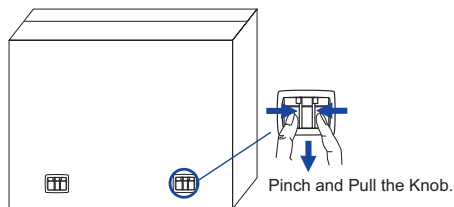
- |                   |                     |                     |
|-------------------|---------------------|---------------------|
| ■ Power Cable*    | ■ DVI-D Cable       | ■ HDMI Cable        |
| ■ mDP-DP Cable    | ■ DisplayPort Cable | ■ RS-232C Cable     |
| ■ Remote Control  | ■ Battery (2pcs)    | ■ POP Label         |
| ■ EU Energy Label | ■ Safety Guide      | ■ Quick Start Guide |

### CAUTION

- \* The rating of the Power Cable enclosed in 120V area is 10A/125V. If you are using a power supply higher than this rating, then a power cable with a rating of 10A/250V must be used. However, all guarantees and warranties are void for any problems or damage caused by a power cable not supplied by iiyama.  
An approved power cord greater or equal to H05VVF, 3G, 0.75mm<sup>2</sup> must be used.

## UNPACKING

- ① Before unpacking your monitor, prepare a stable, level, and clean surface near a wall outlet. Set the LCD monitor box in an upright position and open from the top of the box before removing the top cushions.
- ② Remove the carton holders.
- ③ Remove the top cushion and take the accessories box and the monitor out.

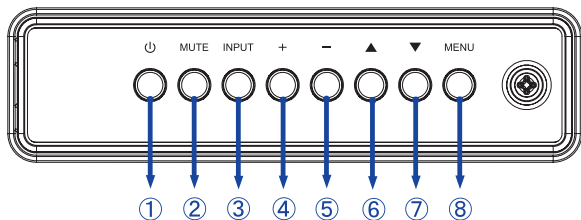


### CAUTION

Moving the monitor requires at least two people. If not, it may drop and could result in a serious injury.

# CONTROLS AND CONNECTORS : DISPLAY

<Back Controller>



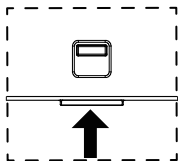
①		Power Button
②	MUTE	Mute Button
③	INPUT	Enter / Input Select Button
④	+	+ Button
⑤	-	- Button
⑥	▲	Up Button
⑦	▼	Down Button
⑧	MENU	Menu Button

<Front>

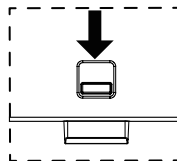


## <Remote sensor and power indicator - location>

1. Pull down the lens to improve remote control performance and ensure good visibility of the power status diode.
2. Push up the lens before mounting the display for video wall application.
3. Pull/Push the lens until hearing the click sound.



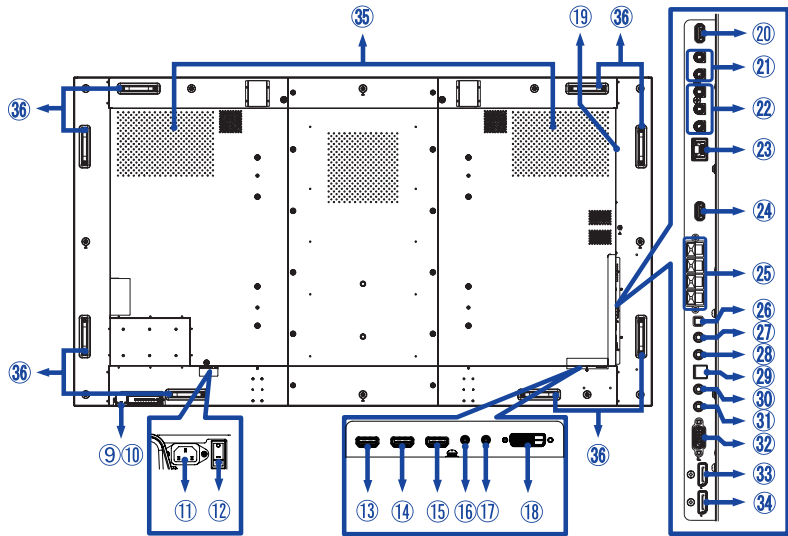
Push up to hide the lens



Push down to extend the lens

⑨	Power Indicator	Green	Lighting : Normal Operation
		Red	If turn off the Power Button on the Remote Control and the Back Controller. Power Management
		Green & Red	Flash : When SCHEDULE is enabled.
		Off	Power Off
⑩	Remote Sensor		Remote Sensor

<Back>



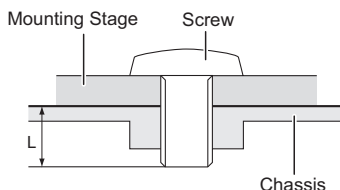
⑪	AC IN	AC-INLET	AC Connector( ~ : Alternating current) (AC-IN)
⑫	AC SWITCH I (ON) / O (OFF)	MAIN POWER	Main Power Switch
⑬	HDMI1 IN	HDMI	HDMI Connector
⑭	HDMI2 IN	HDMI	HDMI Connector
⑮	HDMI3 IN	HDMI	HDMI Connector
⑯	RS232C IN	Mini Jack	RS232C Connector
⑰	RS232C OUT	Mini Jack	RS232C Connector
⑱	DVI IN	DVI-D	DVI-D Connector
⑲	Option Slot (Card OPS)		Option Slot
⑳	USB	USB2.0	USB Connector
㉑	AUDIO IN	RCA L/R	Audio Connector
㉒	COMPONENT VIDEO (VIDEO IN)	RCA R/B/G	Component Video Connector
㉓	LAN	RJ45	RJ45 Connector
㉔	USB (SERVICE PORT)	USB2.0	USB Connector
㉕	SPEAKERS OUT	Jack	External Speakers Connector
㉖	SPEAKER SWITCH		Internal speaker On/Off switch
㉗	AUDIO OUT	Mini Jack	Audio output Connector
㉘	AUDIO IN	Mini Jack	Audio Connector
㉙	SPDIF OUTPUT	SPDIF	SPDIF Connector
㉚	IR OUT	IR	IR Connector
㉛	IR IN	IR	IR Connector
㉜	VGA IN	VGA	VGA Connector
㉝	DisplayPort OUT	DisplayPort	DisplayPort Connector
㉞	DisplayPort IN	DisplayPort	DisplayPort Connector
㉟	Speakers		Speakers
㊱	Handles		Handles

## INSTALLATION

### CAUTION

- Follow the manual instructions for the type of mount you have selected. Refer all servicing to qualified service personnel.
- Moving the monitor requires at least two people.
- Before installing, please make sure the wall is strong enough to hold the necessary weight of the monitor and the mount.

### [WALL MOUNTING]

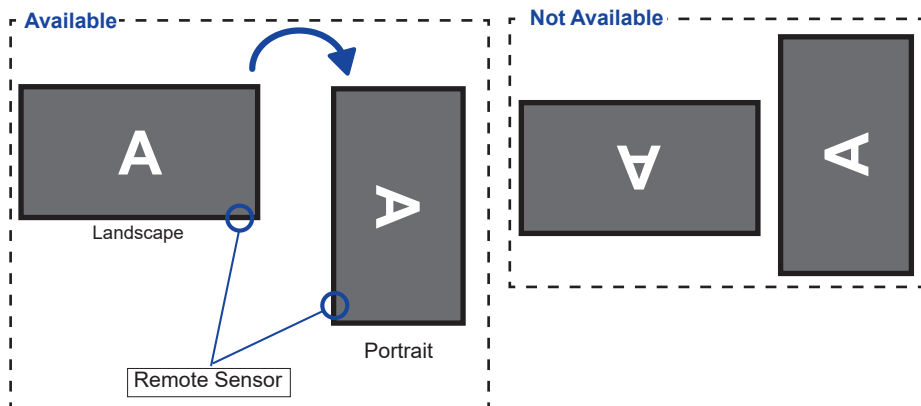


### CAUTION

When using the wall mounting, consideration of thickness of the mounting stage needs to be taken. Tighten the M6 Screw with washer which "L" length is 10mm to fasten the monitor. Using a screw longer than this may cause electric shock or damage because it may contact with the electrical parts inside the monitor.

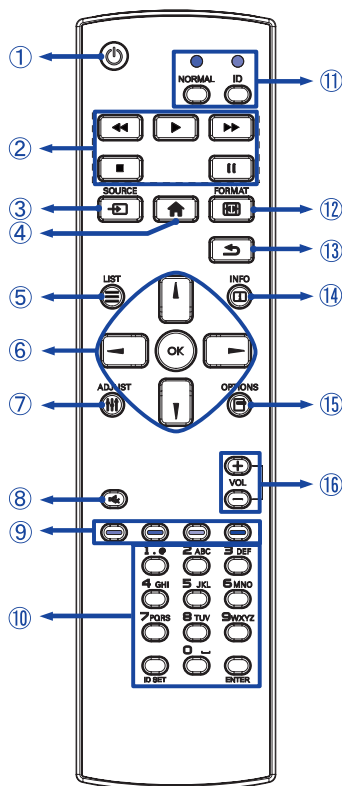
### [ROTATING THE MONITOR]

It is designed to be compatible in both landscape and portrait modes.



## CONTROLS AND CONNECTORS : REMOTE CONTROL

ENGLISH



①		Turns the monitor ON and OFF.
②	[PLAY]	Control playback of media files. ▶ : Play   ■ : Stop      : Pause ◀◀ : Quick-Return   ▶▶ : Fast-Forward
③	SOURCE	Selects the source. Press ▲ or ▼ button to select from DisplayPort, DVI-D, VGA, HDMI1, HDMI2, HDMI3, Component, Video, USB or Card OPS. Press [OK] button to confirm and exit.
④	HOME	Opens the monitor's on-screen menu systems.
⑤	LIST	Not available on this model.
⑥		Navigates through submenus and settings. ▲ : Up Button ▼ : Down Button ◀ : Left Button ▶ : Right Button
	OK	Confirms your selection or save changes.
⑦	ADJUST	Selects the direct menu. PC mode : Sound Mode, Audio out, Picture format, Picture shift Video mode : Picture Mode, Sound Mode, Audio out, Picture format, Picture shift
⑧	MUTE	Turns on or off the mute function when the Menu is not displayed.
⑨	COLOR	Select tasks or options.
⑩	NUMBER/ ID SET/ENTER	Enter text for network setting.
⑪	ID Mode	ID: To enter ID Mode NORMAL: To leave ID Mode
⑫	FORMAT	Change picture format.
⑬	BACK	Returns to a previous menu or closes the OSD Menu.
⑭	INFO	Provides source and resolution information.
⑮	OPTIONS	Access currently available options, picture and sound menus.
⑯	VOLUME - / +	VOLUME-: Decreases the sound volume. VOLUME+: Increases the sound volume.



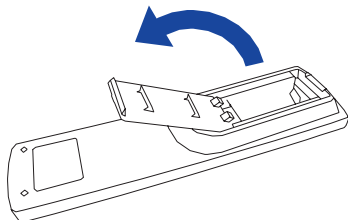
## PREPARING THE REMOTE CONTROL

To use the remote control, insert the two dry batteries.

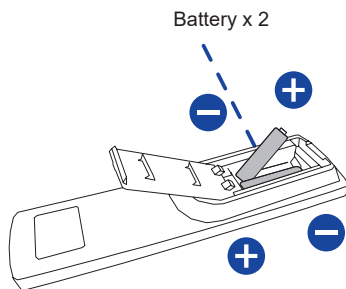
### CAUTION

Do not use any other batteries other than those specified in this manual for the Remote Control. Do not insert old and new batteries together in the Remote Control. Make sure that the terminals match the "+" and "-" indications in the battery compartment. Burst batteries or the electrolyte from these batteries may cause stains, fire or injury.

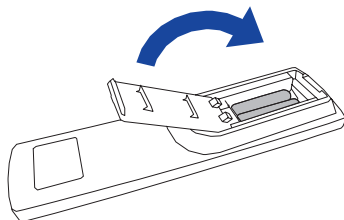
- ① Press and then slide the battery cover to open it.



- ② Align and insert two AAA batteries according to their plus and minus ports (as indicated in the remote control).



- ③ Replace the battery cover.



### NOTE

- Replace with new batteries when the Remote Control does not work close to the monitor. Use AAA dry batteries.
- Operate the Remote Control by pointing it toward the Remote Sensor on the monitor.
- Other manufacturers remote control will not work with this monitor. Use the provided Remote Control ONLY.
- Used batteries needed to follow the local rules to be discarded. (Suggestion: to dispose of used batteries please follow correct policy as per your local regulations.)

## ID REMOTE CONTROL

You can set the remote control ID when you want to use the remote control on specific monitors.

ID Mode (To enter ID Mode) : Press and hold the ID button until the red LED blinks twice.

Normal Mode (To leave ID Mode) : Press and hold the Normal button until the green LED blinks twice.

### ■ Programming ID Mode

To assign an ID to a remote control.

1. Enter ID Mode.
2. Press and hold the ID SET button until the red LED turned on.
3. Using the number button, input the desired ID. (01 - 255)
4. Press the ENTER button to confirm ID.
5. The red LED will blink twice when ID has been confirmed.
6. Press the ID SET button will exit the ID Mode. The green LED turned on.

### NOTE

- Not pressing any button within 10 seconds will exit the ID Mode.
- If an error pressing of buttons other than the digits occurred, wait 1 second after the red LED lights off and then lights up again, then press the correct digits again.
- To cancel or stop programming an ID, press the ID SET button.
- It is necessary to set up the ID number for each monitor before selecting its ID number.

### ■ Use ID Mode

1. Enter ID Mode.
2. Input the ID of the monitor which would like to control by number button.
3. Press the ENTER button.

## BASIC OPERATION

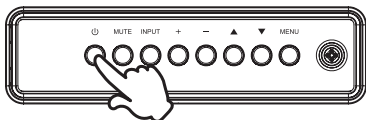
### ■ Turning the display ON

The display is turned On and the Power Indicator turns to Green when you press the POWER button on the display or the Remote Control. The display is turned Off and the Power Indicator turns to Red when you press the POWER button on the display or the Remote Control. Press again to turn On the display.

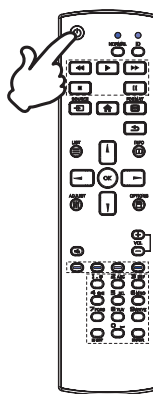
#### NOTE

Even when using the power management mode or turning OFF the Power Switch, the display will consume a small amount of electricity. Disconnect the Power Cable from the power supply whenever the display is not in use or during the night, to avoid unnecessary power consumption.


[Display]




[Remote Control]

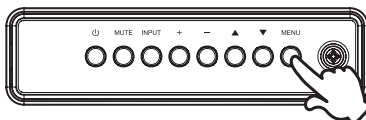


### ■ Display the adjustment menu page

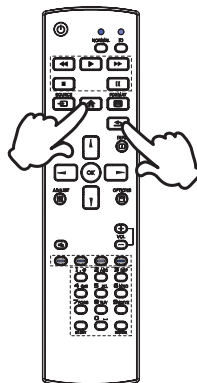
The menu page appears on the screen when you press the MENU button on the display or the  HOME button on the Remote Control.

The menu page disappears when you press the  BACK button on the Remote Control again.

[Display]



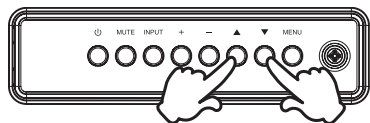
[Remote Control]



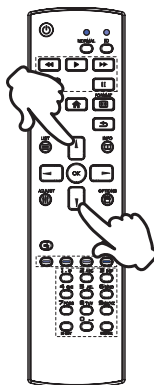
## ■ Move the cursor vertically

Select adjustment by pressing the ▲ / ▼ button on the display or the ▲ / ▼ button on the remote control while the menu page is displayed on the screen.

[Display]



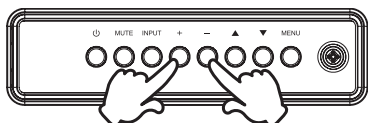
[Remote Control]



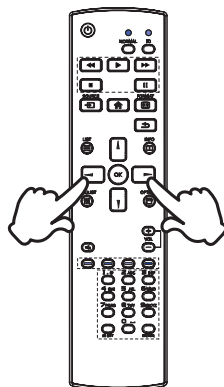
## ■ Move the cursor horizontally

Select menu or setting, or perform the adjustment by pressing the + / - button on the display or the ◀ / ▶ button on the remote control while the menu page is displayed on the screen.

[Display]



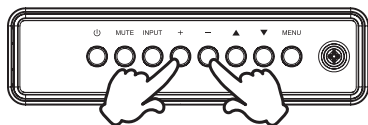
[Remote Control]



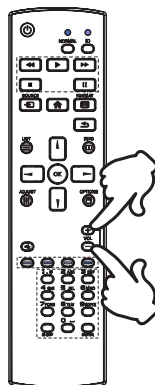
## ■ Adjust the volume of sound

Press the + / - button on the display or the remote control to adjust the volume of sound when the menu page is not displayed on the screen.

[Display]



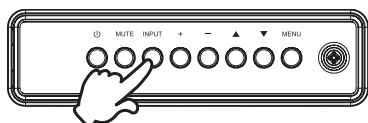
[Remote Control]



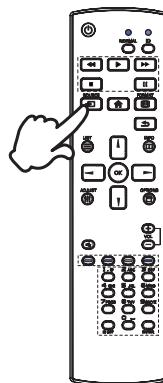
## ■ Switch the input signal

This is activated when you successively press the INPUT button on the display or the SOURCE button on the remote control.

[Display]



[Remote Control]



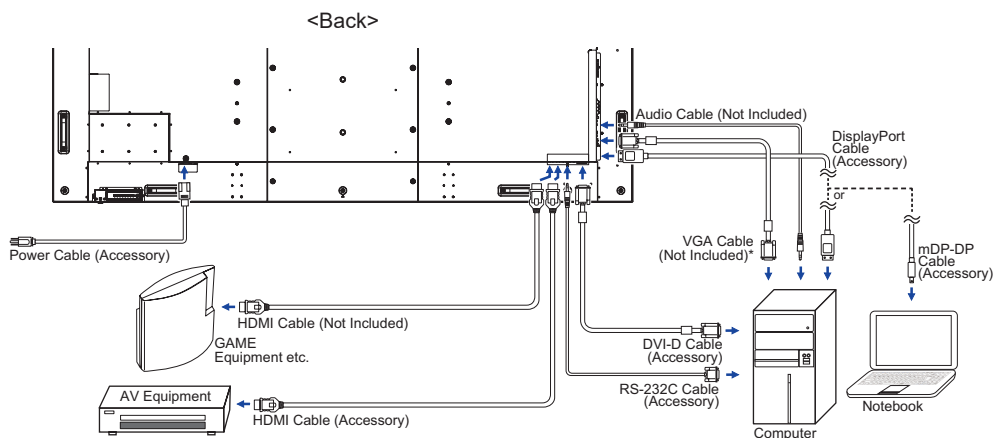
## CONNECTING YOUR THE MONITOR

- ① Ensure that both the computer and the monitor are switched off.
- ② Connect the computer to the monitor with the signal cable.
- ③ Connect the computer to the monitor with the RS-232C Cable.
- ④ Connect the Power Cable to the monitor first and then to the power supply.
- ⑤ Turn on your monitor (Main Power Switch and Power Switch) and computer.

### NOTE

- The signal cables used for connecting the computer and monitor may vary with the type of computer used. An incorrect connection may cause serious damage to both the monitor and the computer. The cable supplied with the monitor is for a standard connector. If a special cable is required please contact your local iiyama dealer or regional iiyama office.
- For connection to Macintosh computers, contact your local iiyama dealer or regional iiyama office for a suitable adaptor.
- Make sure you tighten the finger screws at each end of the Signal Cable.
- The Class I pluggable equipment Type A must be connected to protective earth.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.

[Example of Connection]



\* VGA cable is not supplied with the monitor. If you use low quality VGA cable, it may cause a result of electro-magnetic interference. Please contact the iiyama Support Centre in your country if you wish to connect the monitor via the VGA input.

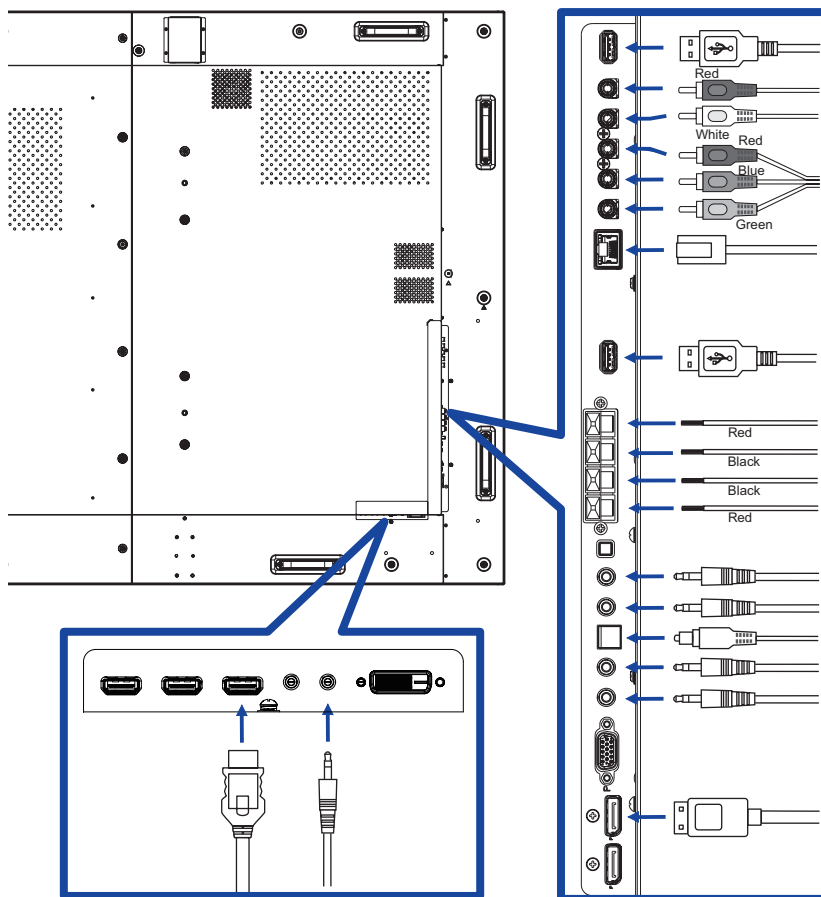
## [ Connection example with the peripheral device ]

### CAUTION

Turn off the power switch and unplug the monitor and peripherals before connection to avoid electric shock or damage.

### NOTE

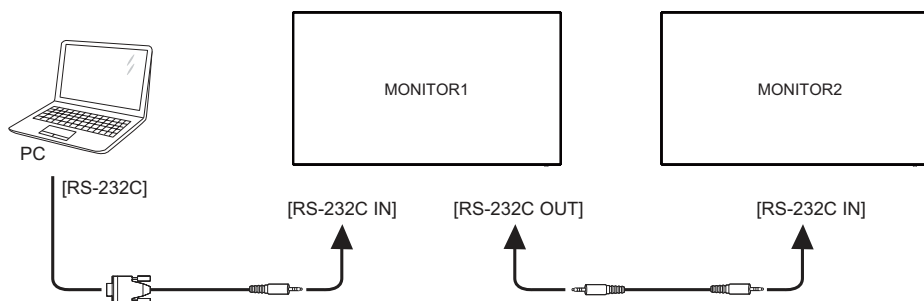
- Refer to the user manual of peripherals at the same time.
- Ensure you have the necessary cables as required.



## [ About the daisy chain ]

### ■ Monitor control connection

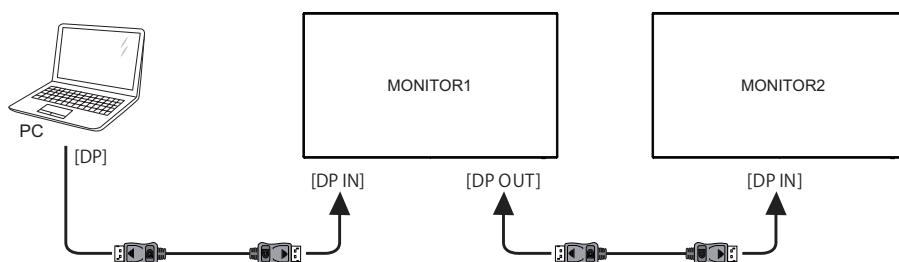
#### RS-232C



### ■ Digital video connection


#### DisplayPort

DisplayPort v1.2 multiple stream support allows daisy-chain up to 4 monitors showing different content on each screen.



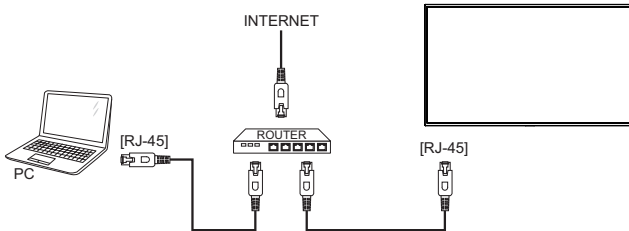


## [ To setup the network ]

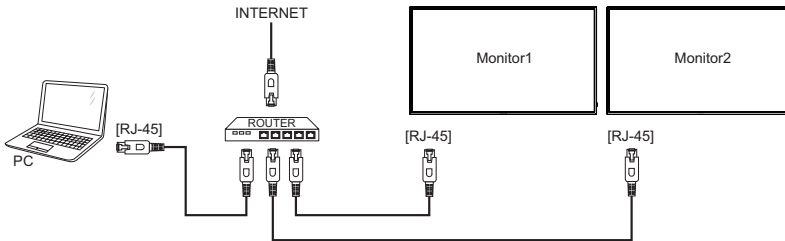
1. Switch on the router and switch on its DHCP setting.
2. Connect the router to this monitor and your computer with an Ethernet cable.
3. Press  HOME button on the remote control, then select Setup.
4. Select "Connect to network", then press OK button.
5. Follow the on-screen instructions to install the network.
6. Wait for this monitor to find the network connection.
7. If you are prompted, agree to the "End User Licence Agreement".

**NOTE** Connecting with a shielded CAT-5 Ethernet cable to comply with the EMC directive.

### ■ Single monitor setup



### ■ Multiple monitor setup



## COMPUTER SETTING

### ■ Signal Timing

Change to the desired signal timing listed on page 50: COMPLIANT TIMING.

### ■ Windows XP/Vista/7/8/8.1/10 Plug & Play

The iiyama LCD monitor complies with DDC2B of VESA standard. The Plug & Play function runs on Windows XP/Vista/7/8/8.1/10 by connecting the monitor to DDC2B compliant computer with the Signal Cable supplied.

For installation on Windows XP: The monitor Information File for iiyama monitors may be necessary for your computer and obtained via the Internet, using the address:

<http://www.iiyama.com>

### NOTE

- Monitor Drivers are not required in most cases for Macintosh or Unix operating systems. For further information, please contact your computer dealer first for advice.

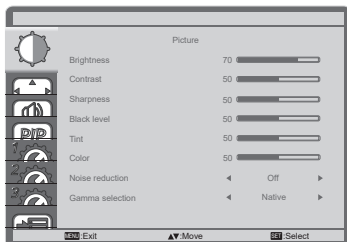
### ■ Procedure for turning ON the Power Switch

Turn ON the monitor first, and then the computer.

# OPERATING THE MONITOR

To create the best picture, your iiyama LCD monitor has been preset at the factory with the COMPLIANT TIMING shown on page 50. You are also able to adjust the picture by following the button operation shown below.

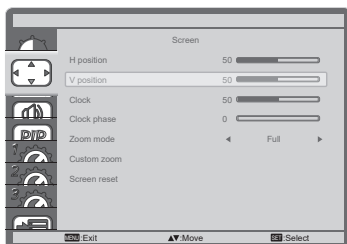
- ① Press the **HOME** button on the remote control or the **MENU** button on the Monitor to start the On Screen Monitor feature. There are additional Menu items which can be switched by using the **▲ / ▼** buttons on the remote control or the **▲ / ▼** buttons on the monitor.



- ② Select the Menu item of the adjustment you want to make. Press the **OK** button on the remote control or the **INPUT** button on the monitor and enter the menu page. Then, use the **▲ / ▼** buttons on the remote control or the **▲ / ▼** buttons on the monitor to highlight the desired adjustment item.
- ③ Press the **OK** button on the remote control or the **INPUT** button on the monitor again. Use the **▲ / ▼** buttons on the remote control or the **+ / -** buttons on the monitor to make the appropriate adjustment or setting.
- ④ Press the **BACK** button on the remote control or the **MENU** button on the monitor to leave the menu, and the settings you just made would be automatically saved.


For example, to correct for vertical position, select Menu item of "Screen". Press the **OK** button on the remote control or the **+** button on the display. Then, select "V. Position" by using the **▲ / ▼** buttons on the remote control or the **▲ / ▼** buttons on the display.

Use the **◀ / ▶** buttons on the remote control or the **+ / -** buttons on the display to change the vertical position settings. The vertical position of the overall display should be changing accordingly while you are doing this.



Press the **BACK** button on the remote control or the **MENU** button on the display lastly, it ends, all changes are saved in the memory.

**NOTE**

- The  BACK button on the remote control or the + button on the display can be used to return previous menu item.
- Any changes are automatically saved in the memory when the On Screen Display disappears. Turning off the power should be avoided while using the Menu.
- Adjustments for H./V. Position, Clock and Phase are saved for each signal timing. Except for these adjustments, all other adjustments have only one setting which applies to all signal timings.

**Direct**

\* Available for Remote Control only.

You can skip the Menu items and display an adjustment scale directly by using the following button operations.

- **Auto Adjust:**

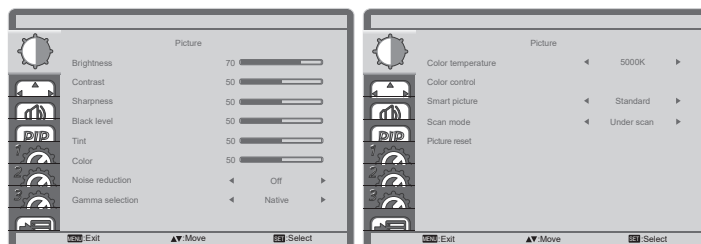
Press the ADJUST Button when the Menu is not displayed.

- **Zoom mode:**

Press the FORMAT Button when the Menu is not displayed.

## ADJUSTMENT MENU CONTENTS

### Picture

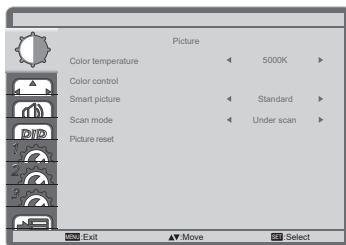


Adjustment Item	Problem / Option		Button to Press
Brightness* <sup>1</sup>	Too dark Too bright		← ↑ → ↓
Contrast	Too dull Too intense		← ↑ → ↓
Sharpness* <sup>2</sup>	Too soft Too sharp		← ↑ → ↓
Black level	Black is too dark Black is too bright		← ↑ → ↓
Tint	Purplish Greenish		← ↑ → ↓
Color	Too weak Too strong		← ↑ → ↓
Noise reduction* <sup>2</sup>	Off	Noise Reduction is turned off.	
	Low	Electronic image noise caused by different media players is reduced.	
	Medium	Electronic image noise caused by different media players is reduced more than Low.	
	High	Electronic image noise caused by different media players is reduced more than Medium.	
Gamma selection	You can set the Gamma. Native / 2.2 / 2.4 / s gamma / D-image		
Color temperature	3000K	Reddish white	
	4000K	Orangish white	
	5000K	Yellowish white	
	6500K	Natural white	
	7500K	Greenish white	
	9300K	Bluish white	
	10000K	More bluish white	
	Native	Original color temperature	
	User	User preset	

\*<sup>1</sup> Adjust the Brightness when you are using the display in a dark room and feel the screen is too bright.  
Brightness adjustment is disabled when Brightness of Panel saving is on.

\*<sup>2</sup> Only HDMI(Video) input.

# Picture

















Adjustment Item	Problem / Option		Button to Press
Color control	Set user color.		
	User-R	Too weak	
	User-G	Too strong	
	User-B		
Smart picture	Standard	Standard	
	Highbright	High-brightness	
	sRGB <sup>*3</sup>	sRGB	
	Cinema <sup>*4</sup>	For movie and video environment.	
Scan mode	Over scan	Display area about 95%.	
	Under scan	Original size	
Picture reset	Cancel	Return to Menu.	
	Reset	Picture setting will be restored to factory-preset data.	

<sup>\*3</sup> Only VGA, DVI, DisplayPort and Card OPS inputs.

<sup>\*4</sup> Only Component, Video, USB and Card OPS inputs.

Check and verify the OPS card and its interconnectors are compliant with the OPS standard.

Adjustment Item	Problem / Option		Button to Press
H Position* <sup>1,3</sup>		Too left	 
		Too right	
V Position* <sup>1,3</sup>		Too low	 
		Too high	
Clock* <sup>1,2</sup>		Too narrow	 
		Too wide	
Clock Phase* <sup>1,2</sup>	To correct flickering text or lines		 
Zoom mode* <sup>3,4</sup>	Full	This mode restores the correct proportions of pictures transmitted in 16:9 using the full screen display.	
	Normal	Display all pictures in 4:3 aspect ratio.	
	Real	Display the picture dot by dot.	
	21:9	Display all pictures in 21:9 aspect ratio.	
	Custom	Customize Zoom mode.	
Custom zoom	Zoom	Zoom the horizontal and vertical size of the image simultaneously.	
	H zoom	Zoom the horizontal size of the image.	
	V zoom	Zoom the vertical size of the image.	
Screen reset	Cancel	Return to Menu.	
	Reset	Screen setting will be restored to factory-preset data.	

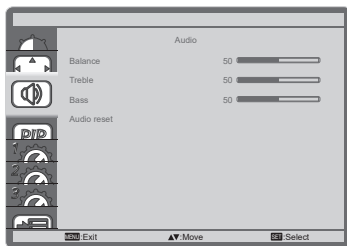
<sup>\*1</sup> Only VGA input.

<sup>\*2</sup> See page 42 for SCREEN ADJUSTMENTS.

<sup>\*3</sup> Zoom mode is disabled when Pixel shift is enabled.

<sup>\*4</sup> Zoom mode is disabled when Tiling is enabled.

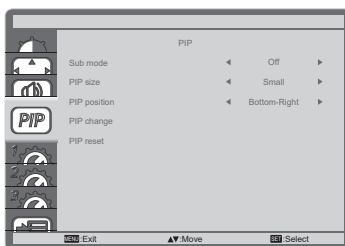
# Audio



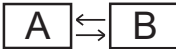
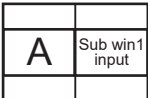
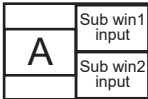
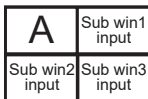


Adjustment Item	Problem / Option		Button to Press
Balance	Left side speaker is louder.		←
	Right side speaker is louder.		→
Treble	Too weak		←
	Too strong		→
Bass	Too weak		←
	Too strong		→
Audio reset	Cancel	Return to Menu.	
	Reset	Audio setting will be restored to factory-preset data.	



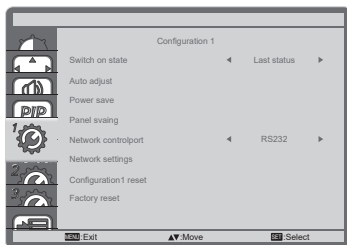
# PIP\*



Adjustment Item	Problem / Option		Button to Press	
Sub Mode	Off	Sub Mode is turned off.		
	PIP		POP	
	Quick swap	 Swaps the Main/ Sub screens.	PBP 2win	
	PBP 3win		PBP 4win	
PIP Size	Small	Reduce the size of the Sub screen.		
	Medium	Normal size		
	Large	Increase the size of the Sub screen.		
PIP Position	Top-Right	Move the sub screen to the top right corner.		
	Top-Left	Move the sub screen to the top left corner.		
	Bottom-Right	Move the sub screen to the bottom right corner.		
	Bottom-Left	Move the sub screen to the bottom left corner.		
PIP change	Exchange input signal of Main and Sub for PIP, POP, Quick swap and PBP2win mode.			
PIP reset	Cancel	Return to Menu.		
	Reset	PIP setting will be restored to factory-preset data.		

\* PIP is disabled when Tiling is enabled.

# Configuration1



Adjustment Item	Problem / Option		Button to Press
Switch on state	Power off	The display will remain off when the power cord is connected to a wall outlet.	
	Forced on	The display will turn on when the power cord is connected to a wall outlet.	
	Last status	The display will return to the previous power status (on/off/standby) when removing and replacing the power cord.	
Auto adjust* <sup>1</sup>	Adjust Position, Clock and Clock Phase automatically.		
Power save	Off	Power save is turned off.	
	On	The monitor will turn to power save mode automatically after 10 seconds when no key is touched.	
Panel saving	Cooling Fan* <sup>2</sup>	Off	Cooling Fan is turned off.
		Auto	The fan turns on automatically when the monitor's internal temperature reaches 45°C or higher. It turns off automatically when the monitor's internal temperature reaches 45°C or less.
		Low	Fan speed 3500RPM
		Medium	Fan speed 3800RPM
		High	Fan speed 4000RPM
	Brightness	Off	Brightness is turned off.
		On	The image brightness will be reduced to an appropriate level.
	Pixel shift	For the display to slightly expand the image size and shift the position of pixels in four directions (up, down, left or right).	
		Off	Pixel shift is turned off.
		Auto	Move the position of the image automatically.
		0-80	Move the position of the image at set intervals.

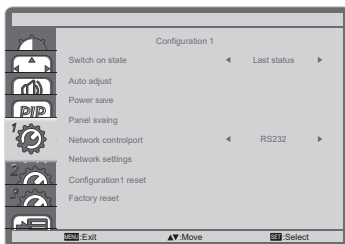
\*<sup>1</sup> Only VGA input.

For best results, use the Auto Adjust in conjunction with the adjustment pattern.

See page 42 for SCREEN ADJUSTMENTS.

\*<sup>2</sup> A temperature warning message will be shown on the screen if the internal temperature reaches 58°C. All key functions except power key will then be disabled. And once the temperature reaches 60°C, the monitor power will shut down automatically.

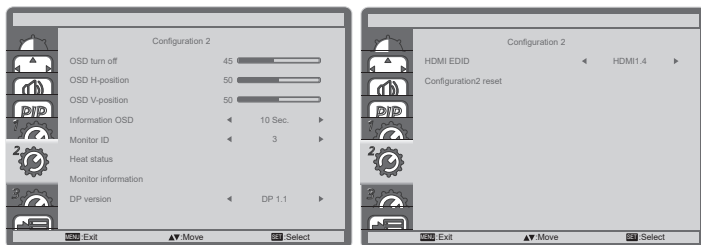
## Configuration1











Adjustment Item	Problem / Option		Button to Press
Network control port	Select the network control port. RS232 / LAN → RS232 / Card OPS RS232* <sup>3</sup>		
Network settings	DHCP	Enable	Assign IP Address, Subnet mask and Default gateway automatically.
		Disable	Enter IP Address, Subnet mask, Default gateway and MAC address manually.
Configuration1 reset	Cancel	Return to Menu.	
	Reset	Configuration1 setting will be restored to factory-preset data.	
Factory reset	Cancel	Return to Menu.	
	Reset	Factory-preset data is restored.	

\*<sup>3</sup> It can be used only when OPS is installed.

## Configuration2

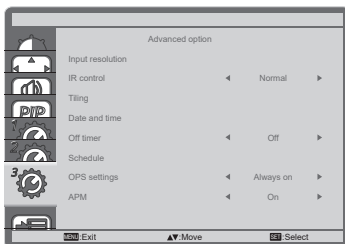


Adjustment Item	Problem / Option		Button to Press
OSD turn off	You can set the OSD display duration time between 5 and 120 seconds. Off / 5 - 120 seconds		 
OSD H-Position	OSD is too left OSD is too right		 
OSD V-Position	OSD is too low OSD is too high		 
Information OSD	Set the period of time the information OSD is displayed on the upper right corner of the screen. Off / 1 - 60 seconds		 
Monitor ID	Set ID to the display. 1 - 255		
Heat status	Display the thermal status.		
Monitor information	Shows information about your monitor, including Model name, Serial No..		
DP Version* <sup>1</sup>	Set the version of the DisplayPort. DP1.1 / DP1.2		
HDMI EDID* <sup>2</sup>	Set the version of the HDMI. HDMI1.4 / HDMI2.0		
Configuration2 reset	Cancel	Return to Menu.	
	Reset	Configuration2 setting will be restored to factory-preset data.	

\*<sup>1</sup> Suitable for DisplayPort input only.

\*<sup>2</sup> Suitable for HDMI input only.

## Advanced option



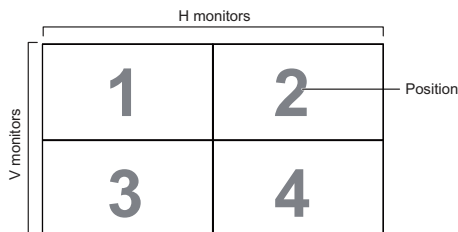
Adjustment Item	Problem / Option		Button to Press
Input resolution* <sup>1</sup>	Set the VGA input resolution only when the monitor can not detect the VGA input resolution correctly. Auto / 1024 x 768 / 1280 x 768 / 1360 x 768 / 1366 x 768 / 1400 x 1050 / 1680 x 1050 / 1600 x 1200 / 1920 x 1200		
IR control	Select the operation mode of the remote control when multiple displays are connected via an RS232C connection.		
	Normal* <sup>2</sup>	Unlock the remote control.	
	Lock All	Lock all of the remote control.	
Tiling* <sup>3</sup>	H monitors	Sets the number of monitors used in the horizontal position.	
	V monitors	Sets the number of monitors used in the vertical position.	
	Position	Sets the position of the screen matrix. * <sup>4</sup>	
	Frame comp.	No	Frame comp. is turned off.
		Yes	The monitor will adjust the image to compensate for the width of the monitor bezels in order to accurately display the image.
	Enable	Off	Enable is turned off.
		On	The monitor will apply the settings in "H monitors", "V monitors", "Position" and "Frame comp.".
	Switch on delay	Off	Switch on delay is turned off.
		Auto	Automatically allows a sequential powering-on for each monitor by their ID number.
		2-255	Set the power-on delaying time (in seconds)
Date and time	Adjust the current date and time for the internal clock. Auto sync(automatically) / Set Date / Set Time <b>NOTE</b> You must set this item when using "Schedule".		
Off Timer	Set when turn off the display. Off / 1 - 24 hours		

- \*<sup>1</sup> Only VGA input.
- \*<sup>2</sup> To unlock, press and hold the INFO button on the remote control for 5 seconds.
- \*<sup>3</sup> With this function you can create a single large-screen matrix (video wall) that consists of up to 150 sets of this monitor (up to 10-sets on the vertical and 15-sets on the horizontal sides).
- \*<sup>4</sup> Screen Matrix

Example: 2 x 2 screen matrix (4 monitors)

H monitors = 2 monitors

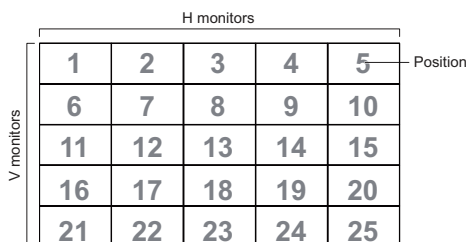
V monitors = 2 monitors



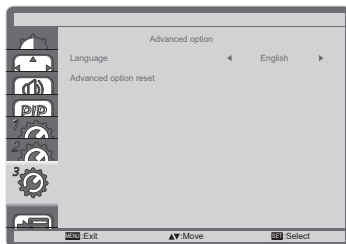
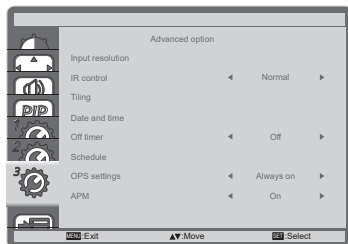
Example: 5 x 5 screen matrix (25 monitors)

H monitors = 5 monitors

V monitors = 5 monitors



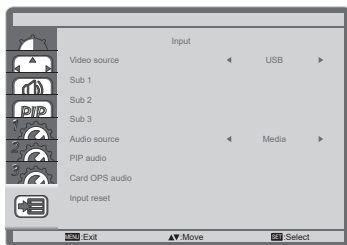
## Advanced option



Adjustment Item	Problem / Option		Button to Press	
Schedule	Schedule list		Up to 7 schedules can be set.	
	Schedule 1/2/3/4/ 5/6/7	Enable	Enable / disable schedule. <div>NOTE</div> If set with other schedule list conflict, you can not enable schedule.	
		Start time	Set start time.	
		End time	Set end time.	
		Input	Select default input source to use when the display is automatically turned on next time. DisplayPort / DVI-D / VGA / HDMI1 / HDMI2 / HDMI3 / Component / Video / USB / Card OPS* <sup>5</sup>	
		Days of the week	Set the day of the week. Mon / Tue / Wed / Thu / Fri / Sat / Sun / Everyweek	
		Playlist	Save the playlist from the selected input source.	
OPS settings* <sup>5</sup>	Auto	When turning on the display power and switching input source to OPS, OPS power is automatically turned on.		
	Always off	OPS is always turned Off.		
	Always on	OPS is always turned On.		
APM	Off	No signal, direct shutdown. (Default)		
	On	No signal, enter into Power save mode.		
Language	English	English	Italiano	Italian
	Deutsch	German	Español	Spanish
	简体中文	Simplified Chinese	繁體中文	Traditional Chinese
	Français	French	日本語	Japanese
Advanced option reset	Cancel	Return to Menu.		
	Reset	Advanced option setting will be restored except "Date and Time" in the Advanced option menu to factory-preset data.		

\*<sup>5</sup> It can be used only when OPS is installed.

# Input



Adjustment Item	Problem / Option		Button to Press
Video source	Set the input main source. DisplayPort / DVI-D / VGA / HDMI1 / HDMI2 / HDMI3 / Component / Video / USB / Card OPS*		
Sub1	Select the input Win1 source.		
Sub2	Select the input Win2 source.		
Sub3	Select the input Win3 source.		
Audio source	Select the audio input source. Analog / DisplayPort / Audio1 / Audio2 / Media		
PIP audio	Main	Select the audio from Main picture. Analog / DisplayPort / Audio1 / Audio2 / Media	
	Sub1	Select the audio from Sub1 picture. Analog / DisplayPort / Audio1 / Audio2 / Media	
	Sub2	Select the audio from Sub2 picture. Analog / DisplayPort / Audio1 / Audio2 / Media	
	Sub3	Select the audio from Sub3 picture. Analog / DisplayPort / Audio1 / Audio2 / Media	
Card OPS audio*	Select the analog or digital audio mode for Card OPS.		
Input reset	Cancel	Return to Menu.	
	Reset	Input setting will be restored to factory-preset data.	

\* It can be used only when OPS is installed.



## [Play Multimedia Files]

You can play videos, photos, and music on your monitor from:

- Your computer connected through your network.
- A USB device connected to this monitor.

### ● Play files from computer via local Area Network

To play files from computer via local Area Network, you will need:

- A wired network, connected with a Universal Plug and Play (uPnP) router.
- Optional: A LAN cable that connects your monitor to your network.
- A media server running on your computer.
- Appropriate settings on your computer firewall to allow you to run the media server.




#### ■ Set up media sharing

1. Install a media server on your computer to share media files. These are some media servers:
  - For PC: Windows Media Player 11 (or higher) or TVersity
  - For Mac: Twonky
2. Switch on media sharing on your computer using the media server. For more information on how to set up the media server, refer to the website of the media server.

#### ■ How to use DNLA-DMP



1. Connect monitor and your computer to the same router via RJ45.
2. Run windows media player. Set stream handling as public sharing.

#### ■ Play files from monitor



1. Press  SOURCE button, select [Network] and press OK button.
2. Now, you can see all the computer's connected to the same router on the screen. Select the right one.
3. Press  and  to select the directory and files to play.

**NOTE** We suggest to use DLNA-DMP function via wired network for the sake of higher security and sufficient network bandwidth.

#### ■ How to use DNLA-DMR from computer














1. Press  HOME button, select [Network settings] and press OK button.
2. Set DMR as [On].
3. Set the name of your monitor.
4. Press  SOURCE button, select [Network] and press OK button.
5. On your computer, go to [Network and Sharing Center], and click [Choose homegroup and sharing options].
6. Check the media formats. Then, click [Choose media streaming options...].
7. Go to [Advanced sharing settings], and check [Turn on network discovery].
8. Now, go to the directory of your media files. Select the media file by right click. On the submenu from Play To, you can find all monitors connected to your network, select the monitor, and click the media file to play.

### ■ Play files

1. Press  SOURCE button.
  2. Select [Network], then press OK button.
  3. Select a file from the content browser, then press OK button to start playing.
  4. Press the Play buttons on the remote control to control playing.
- \* Select the top bar to filter our files by type.
  - Select [Sort] to arrange the files by album name, artist, or other fields.
  - To clear the list of offline media servers, press  OPTIONS button. Then, select [Clear offline servers] and press OK button.

### ● Play multimedia files from USB device

This monitor can play music, movie, or photo files from your USB device.

1. Connect your USB device to the USB port on this monitor.
2. Press  SOURCE button, select USB, then press OK button.
3. The connected USB device is detected automatically for all its playable files which will be automatically sorted into 3 types:  Music,  Movie and  Photo.
4. Press the  BACK button to go up to the top layer in the screen. Press  or  button to select the file type. Press OK button to enter its play list.
5. Select the file you want. Press OK button to start playing.
6. Follow the on-screen instruction to control the play option.
7. Press the PLAY buttons (, , , , , ) to control playing.

### ■ USB Standard:

USB2.0

**NOTE** The USB 2.0 compatibility is always granted. The USB 3.0 high speed support cannot be guaranteed with all devices.

### ■ Supported file system:

FAT32

### ■ Supported file format:

- Music: MP3, WMA, WMA pro, M4A, AAC, LPCM
- Video: AVI, MP4, 3GPP, MKV, ASF, VRO VOB, PS, TS
- Photo: JPEG, BMP, PNG, GIF

### CAUTION


- The manufacturer is not responsible if the USB device is not supported, nor is it responsible for damage to or loss of data in the device.
- Do not overload the USB port. If you connect a USB storage device that consumes more than 500mA power, make sure that it is connected to its own external power supply.

### NOTE









When you are playing multimedia files from USB device and turn the monitor off. It will set input source to the last real input source, such as DisplayPort, DVI-D, VGA, HDMI1, HDMI2, HDMI3, Component and Video when you turn the monitor on next time.

## [Play options]

### ● Playing music files

1. Select  Music in the top bar.
2. Select one music track, then press OK button.



3. Press the  BACK button to display the play menu.
  - Play All : To play all the tracks in a folder.
  - Sort : It classifies the track.
  - USB device : Music list of the USB device will be displayed.
  -  /  : To skip to the next or previous track.
  - OK : To pause the track or resume.
  -  /  : To skip backward or forward 10 seconds.
  -  /  : To search backward or forward. Press repeatedly to toggle between different speeds.
  -  : To stop the music.

### ■ Music options

While playing music, press  OPTIONS button.




#### <Option>



- Repeat : To play a track or an album repeatedly.
- Play once : To play a track once.
- Shuffle On / Shuffle Off : Enable or disable random play of tracks.

#### <Eco>


Turn off the screen to save power consumption. To display again, press any button on the remote control.

### NOTE


To view information about a song (for example, title, artist or duration), select the song, press the  BACK button to display the play menu and then press the  INFO button. To hide the information, press the  INFO button again.

After pressing the OK button to select a song, the menu screen disappears when the  INFO button is selected again. When press the  BACK button to display the menu screen.

### ■ Play photo files from music file menu

While playing a music file, press the  BACK button, go to the top of the screen, select a picture and then select slide show.

## ●Playing movie files

1. Select  Movie in the top bar.
2. Select a video, then press OK button.



- Play All : To play all the videos in a folder.
- Sort : It classifies the movie.
- USB device : Movie list of the USB device will be displayed.
- OK : To pause the video or resume.
- ◀ / ▶ : To skip backward or forward 10 seconds.
- ◀◀ / ▶▶ : To search backward or forward. Press repeatedly to toggle between different speeds.
- ■ : To stop the video.

## ■ Movie options

While playing video, press  OPTIONS button.

### <Option>

- Subtitles : Select the available subtitle settings.
- Subtitles On / Off : Subtitle display on / off.
- On During Mute : Enable the subtitle display.  
Subtitle can be switched on/off by pressing the Mute button.
- Subtitle Language : Select the language for subtitles if available.
- Shuffle On / Shuffle Off : Enable or disable random play of video files.
- Repeat : To play the video file repeatedly.
- Play once : To play the video file once.
- Status : Displays video information.

### <Picture and Sound>

- Picture Mode / Sound Mode / Audio out / Picture Format


### <Eco>

Turn off the screen to save power consumption. To display again, press any button on the remote control.

### <Clock>

- Sleep timer

## ● Playing photo files


1. Select  Photo in the top bar.
2. Select a photo thumbnail, then press OK button.



### ■ Start a slideshow

- Play All : To play all the photo in a folder. (multiple photo)
- Sort : It classifies the photo.
- USB device : Photo list of the USB device will be displayed.
- ◀ / ▶ : To skip to the previous or next photo, then press OK button at the end.
- ■ : To stop the slideshow.

### ■ Slideshow options

While you play a slideshow, press  OPTIONS button.

#### <Option>

- Shuffle On / Shuffle Off : Enable or disable random picture in the slideshow.
- Repeat : To watch a slideshow.
- Play once : To watch once.
- Slideshow Time : Select the displaying time for each photo in the slideshow.
- Slideshow Transitions : Select the transition from one photo to the next.

#### <Picture and Sound>

- Picture Mode / Sound Mode / Audio out / Picture Format

#### <Eco>

Turn off the screen to save power consumption. To display again, press any button on the remote control.

## ● Folder

It lists the files in the USB device. It is possible to play directly from the USB.

## SCREEN ADJUSTMENTS

Adjust the image by following the procedure below to get the desired picture when selecting Analog input.

- The screen adjustments described in this manual are designed to set image position and minimize flicker or blur for the particular computer in use.
- The monitor is designed to provide the best performance at resolution of 3840 × 2160, but can not provide the best at resolutions of less than 3840 × 2160 because the picture is automatically stretched to fit the full screen. It is recommended to operate at resolution of 3840 × 2160 in normal use.
- Displayed text or lines will be blurred or irregular in thickness when the picture is stretched due to the screen enlargement process.
- It is preferable to adjust the image position and frequency with the monitor controls, rather than the computer software or utilities.
- Perform adjustments after a warm-up period of at least thirty minutes.
- Additional adjustments may be required after the Auto Adjust depending on the resolution or signal timing.
- The Auto Adjust may not work correctly when displaying the picture other than the screen adjustment pattern. In this case, manual adjustments are required.

There are two ways to adjust the screen. One way is automatic adjustment for Position, Clock and Phase. The other way is performing each adjustment manually.

Perform the Auto Adjust first when the monitor is connected to a new computer, or resolution is changed. If the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto Adjust, manual adjustments are required. Both adjustments should be made by using the screen adjustment pattern (Test.bmp) obtained via the Iiyama web site (<http://www.iiyama.com>).

Adjust the image by following the procedure below to get the desired picture.

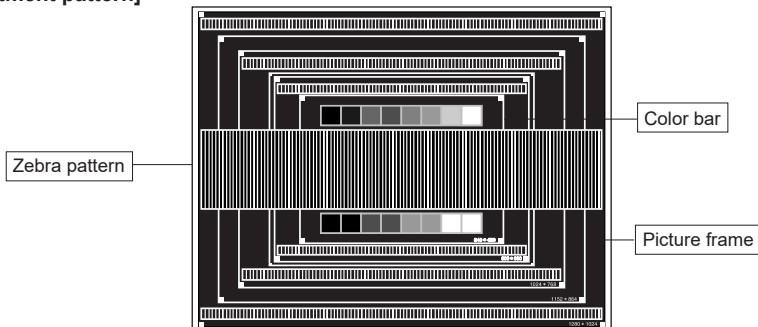
This manual explains adjustment under Windows® OS.

- ① **Display the picture at the optimum resolution.**
- ② **Enter the Test.bmp (screen adjustment pattern) to wallpaper.**

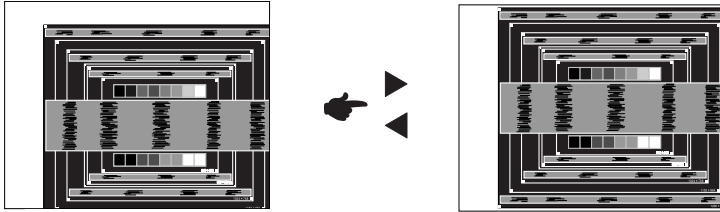
### NOTE

- Consult the appropriate documentation for doing this.
- Test.bmp is made at resolution of 1280 × 1024. Set the display position to center in the wallpaper setting dialogue box.

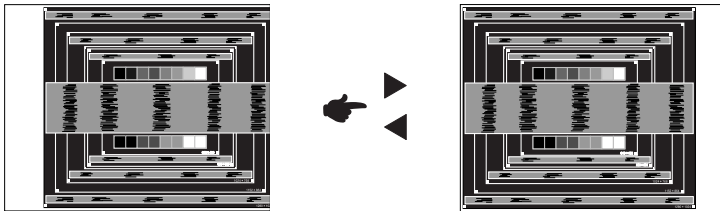
### [Adjustment pattern]



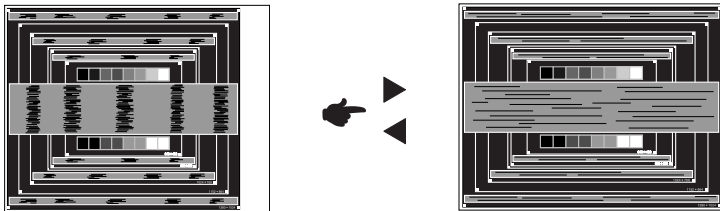
- ③ Adjust the Auto Adjustment. (Auto Adjust)
- ④ Adjust the image manually by following procedure below when the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto Adjust.
- ⑤ Adjust the V.Position so that the top and bottom of the picture frame will fit to the display area.



- ⑥ 1) Adjust the H.Position so that the left side of the picture frame will move to the left edge of the display area.



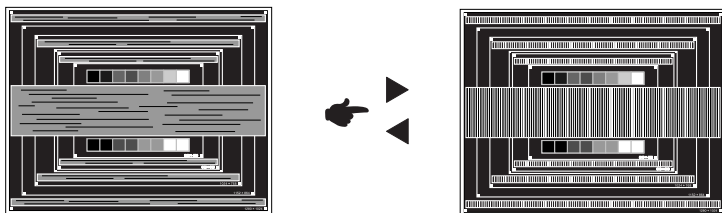
- 2) Stretch the right side of the picture frame to the right edge of the display area by adjusting the Clock.



**NOTE**

- When the left side of the picture frame moves apart from the left edge of the display area during the Clock adjustment, adjust steps 1) and 2).
- Another way to make the Clock adjustment is to correct the vertical wavy lines in the zebra pattern.
- The picture may flicker during the Clock, H.Position and V.Position adjustment.
- In case the picture frame is bigger or smaller than the data display area after the Pixel Clock adjustment, repeat steps from ③.

- ⑦ **Adjust the Phase to correct horizontal wavy noise, flicker or blur in the zebra pattern.**

**NOTE**

- In case the strong flicker or blurs remain on a part of the screen, repeat steps ⑥ and ⑦ because the Clock may not be adjusted correctly.
- Adjust the H.Position after the Phase adjustment if the horizontal position moves during the adjustment.

- ⑧ **Adjust the Brightness and Color to get the desired picture after you complete the Clock and Phase adjustments.**

**Put back your favorite wallpaper.**



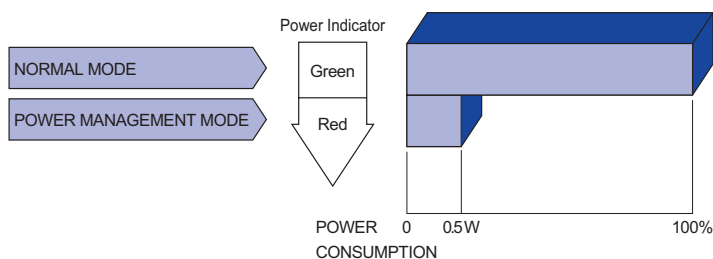
## POWER MANAGEMENT FEATURE

The power management feature of this product complies with power saving requirement of VESA DPMS. When activated, it automatically reduces unnecessary power consumption of the monitor when your computer is not in use.

To use the feature, the monitor needs to be connected to a VESA DPMS compliant computer. There is a power management step the monitor takes as described below. The power management function, including any timer settings is configured by the operating system. Check your operating system manual for information on how this can be configured.

### ■ Power Management Mode

When the H-sync signal / V-sync signal / H and V sync signals from the computer are off, the monitor enters into Power Management Mode which reduces the power consumption to less than 0.5W. The screen becomes dark. From Power Management Mode, the image reappears in several seconds when either the keyboard or the mouse are touched again.



### NOTE

- Even when using the power management mode, the monitor consumes electricity. Turn off the Power Switch whenever the monitor is not in use, during the night and weekends, to avoid unnecessary power consumption.
- It is possible that the video signal from the computer may be on while the H or V sync signal is missing. In this instance, the POWER MANAGEMENT feature may not work properly.

# TROUBLE SHOOTING

If the monitor fails to operate correctly, please follow the steps below for a possible solution.

1. Perform the adjustments described in OPERATING THE MONITOR, depending on the problem you have. If the monitor does not get a picture, skip to 2.
2. Consult the following items if you cannot find an appropriate adjustment item in OPERATING THE MONITOR or if the problem persists.
3. If you are experiencing a problem which is not described below or you cannot correct the problem, discontinue using the monitor and contact your dealer or iiyama service center for further assistance.

## Problem

## Check

- |   |  |
|---|--|
| ① The picture does not appear.              | <input type="checkbox"/> The Power Cable is firmly seated in the socket.<br><input type="checkbox"/> The Power Switch is turned ON.<br><input type="checkbox"/> The AC socket is live. Please check with another piece of equipment.<br><input type="checkbox"/> If the blank screen saver is in active mode, touch the keyboard or the mouse.<br><input type="checkbox"/> Increase the Contrast and/or Brightness.<br><input type="checkbox"/> The computer is ON.<br><input type="checkbox"/> The Signal Cable is properly connected.<br><input type="checkbox"/> The signal timing of the computer is within the specification of the monitor.<br><input type="checkbox"/> If the monitor is in power management mode, touch the keyboard or the mouse. |
| ② The screen is not synchronized.           | <input type="checkbox"/> The Signal Cable is properly connected.<br><input type="checkbox"/> The signal timing of the computer is within the specification of the monitor.<br><input type="checkbox"/> The video output level of the computer is within the specification of the monitor.  |
| ③ The screen position is not in the center. | <input type="checkbox"/> The signal timing of the computer is within the specification of the monitor.   |
| ④ The screen is too bright or too dark.     | <input type="checkbox"/> The video output level of the computer is within the specification of the monitor.  |
| ⑤ The screen is shaking.                    | <input type="checkbox"/> The power voltage is within the specification of the monitor.<br><input type="checkbox"/> The signal timing of the computer is within the specification of the monitor.   |
| ⑥ No sound.                                 | <input type="checkbox"/> The audio equipment (computer etc.) is ON.<br><input type="checkbox"/> The Audio Cable is properly connected.<br><input type="checkbox"/> The Volume is turned up.<br><input type="checkbox"/> The Mute is OFF.<br><input type="checkbox"/> The audio output level of the audio equipment is within the specification of the monitor.   |
| ⑦ The sound is too loud or too quiet.       | <input type="checkbox"/> The audio output level of the audio equipment is within the specification of the monitor.   |
| ⑧ A strange noise is heard.                 | <input type="checkbox"/> The Audio Cable is properly connected.  |

## RECYCLING INFORMATION

For better environment protection please don't dispose your monitor.

Please visit our web site: [www.iiyama.com/recycle](http://www.iiyama.com/recycle) for monitor recycling.

# APPENDIX

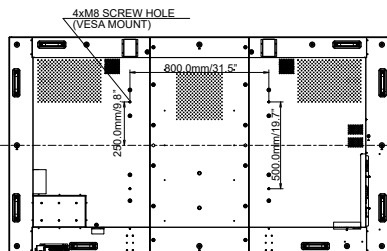
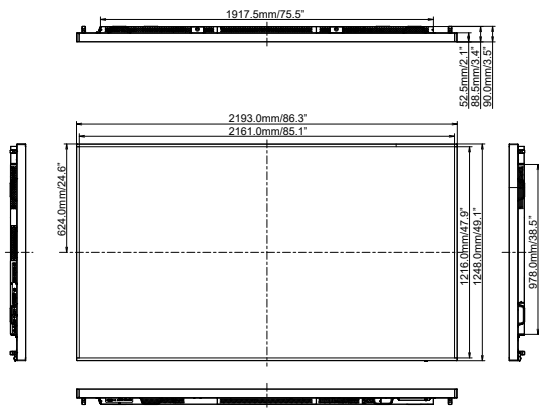
Design and specifications are subject to change without prior notice.

## SPECIFICATIONS : ProLite LH9852UHS

Size Category		98"
LCD Panel	Panel technology	IPS
	Size	Diagonal: 97.52" (247.7cm)
	Pixel pitch	0.5622mm H × 0.5622mm V
	Brightness	500cd/m <sup>2</sup> (Typical)
	Contrast ratio	1300 : 1 (Typical)
	Viewable angle	Horizontal : 178 degrees, Vertical: 178 degrees (Typical)
	Response time	8ms (Typical, Gray to Gray)
Display Colors		Approx.1.07B
Sync Frequency		Analog: Horizontal: 30.0-83.0kHz, Vertical: 50-76Hz Digital: Horizontal: 30.0-83.0kHz, Vertical: 50-76Hz
Native Resolution		3840 × 2160, 8.3 MegaPixels
Support Max. Resolution		VGA: 1920 × 1080 60Hz DVI: 1920 × 1080 60Hz HDMI: 3840 × 2160 60Hz DisplayPort: 3840 × 2160 30Hz
Input Connector		VGA, DVI-D, HDMIx3, DisplayPort
Input Audio Connector		mini jack, RCA (L/R)
Input Component Connector		RCA (Video/L/R)
LAN		RJ45
Serial Port		RS-232C In/Out mini jack
Plug & Play		VESA DDC2B™
Input Sync Signal		Separate sync: TTL, Positive or Negative
Input Video Signal		Analog: 0.7Vp-p (Standard), 75Ω, Positive Digital: DVI (Digital Visual Interface Standard Rev.1.0) compliance Digital: HDMI, DisplayPort
Input Audio Signal		0.5Vrms maximum
IR Extender Connector		IR In/Out
USB Connector		USB2.0 (USB Media Player)
Output Connector		DisplayPort
Output audio Connector		RCA(L/R)
Speakers		Internal: 10W×2 (Stereo speakers)
Maximum Screen Size		2158.85mm W × 1214.35mm H / 85.0" W × 47.8" H
Power Source		100-240VAC, 50/60Hz, 10A
Power Consumption*		500W typical, Power management mode: 0.5W maximum Energy Efficiency Class: A
Dimensions / Net Weight		2193.0 × 1248.0 × 88.5mm / 86.3× 49.1 × 3.5" (W×H×D) 91.4kg / 201.5lbs
Environmental Considerations		Operating: Temperature 0 to 40°C / 32 to 104°F Humidity 20 - 80% (No condensation) Storage: Temperature -20 to 60°C / 4 to 140°F Humidity 5 - 95% (No condensation)
Approvals		CB, CE, CU, TÜV-Bauart

**NOTE** \* Audio equipment are not connected.

**DIMENSIONS : ProLite LH9852UHS**



ENGLISH

# COMPLIANT TIMING

ENGLISH

Timing		f <sub>H</sub> (kHz)	f <sub>V</sub> (Hz)	Dot clock (MHz)	VGA	DVI	HDMI1	HDMI2	HDMI3	DisplayPort	Component	AV
VESA	VGA 640x480	31.5	60.0	25.175	○	○	○	○	○	○		
	SVGA 800x600	37.9	60.0	40.000	○	○	○	○	○	○		
	XGA 1024x768	48.4	60.0	65.000	○	○	○	○	○	○		
	WXGA 1280x768	47.8	60.0	79.500	○	○	○	○	○	○		
	QVGA 1280x960	60.0	60.0	108.000	○	○	○	○	○	○		
	SXGA 1280x1024	64.0	60.0	108.000	○	○	○	○	○	○		
	HD FWXGA 1366x768	47.7	60.0	85.500	○	○	○	○	○	○		
	CVT 1400x900	55.9	60.0	106.500	○	○	○	○	○	○		
	WSXGA 1680x1050	65.3	60.0	146.250	○	○	○	○	○	○		
	FHD 1920x1080	67.5	60.0	148.500	○	○	○	○	○	○		
IBM	4K 3840x2160	67.5	30.0	297.000			○			○		
		135.0	60.0	594.000			○					
SD	720x400	31.5	70.0	28.320	○	○	○	○	○	○		
	NTSC-M	15.7	60.0	13.500								○
	NTSC-J	15.7	60.0	13.500								○
	PAL-BDGH1	15.7	60.0	13.500								○
	480i 60Hz	15.7	60.0	13.500		○	○	○	○	○	○	
	576i 50Hz	15.6	50.0	13.500		○	○	○	○	○	○	
	480p 60Hz	31.5	60.0	27.000		○	○	○	○	○	○	
HD	720p	50Hz	31.3	50.0	27.000		○	○	○	○	○	
		60Hz	37.5	50.0	74.250		○	○	○	○	○	
	1080i	60Hz	45.0	60.0	74.250		○	○	○	○	○	
		50Hz	28.1	50.0	74.250		○	○	○	○	○	
	1080p	60Hz	33.8	60.0	74.250		○	○	○	○	○	
		50Hz	56.3	50.0	148.500		○	○	○	○	○	
		60Hz	67.5	60.0	148.500		○	○	○	○	○	

\* ○ means supported the timing.