

# USER MANUAL

## *ProLite*

### LCD Monitor

ENGLISH

*ProLite LH3246HS*  
*ProLite LH4346HS*  
*ProLite LH4946HS*  
*ProLite LH5546HS*

Thank you very much for choosing the iiyama LCD monitor.

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. : PL3246H/PL4346H/PL4946H/PL5546H

 mark:

Equipment protected throughout by Double insulation or Reinforced insulation.



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. 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.  
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 1920 × 1080
- ◆ High Contrast 1100:1 (Typical) / Brightness 400cd/m<sup>2</sup> (Typical) : ProLite LH3246HS
- ◆ High Contrast 1100:1 (Typical) / Brightness 450cd/m<sup>2</sup> (Typical) : ProLite LH4346HS / ProLite LH4946HS / ProLite LH5546HS
- ◆ 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 (200mm×200mm) Compliant : ProLite LH3246HS
- ◆ VESA Mounting Standard (400mm×400mm) Compliant : ProLite LH4346HS / ProLite LH4946HS / ProLite LH5546HS
- ◆ Support 24hrs/day usage (by moving picture condition)
- ◆ VESA Compatible arm mounting interface
- ◆ Daisy Chain support
- ◆ Slim Design

## 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         |
| ■ Energy Label   | ■ Safety Guide      | ■ Quick Start Guide |

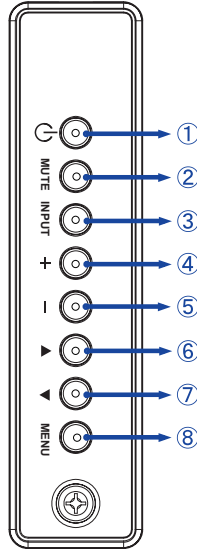
### CAUTION

- \* 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 cable greater or equal to H05VVf, 3G, 0.75mm<sup>2</sup> must be used.

<Front>



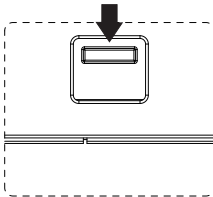
<Back: Back Controller>



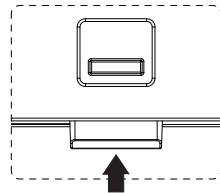
①		Power Button
②	MUTE	Mute Button
③	INPUT	Enter / Input Select Button
④	+	+ Button
⑤	-	- Button
⑥	▲	Up Button
⑦	▼	Down Button
⑧	MENU	Menu Button

## <Back: 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 monitor for video wall application.
3. Pull/Push the lens until hearing the click sound.



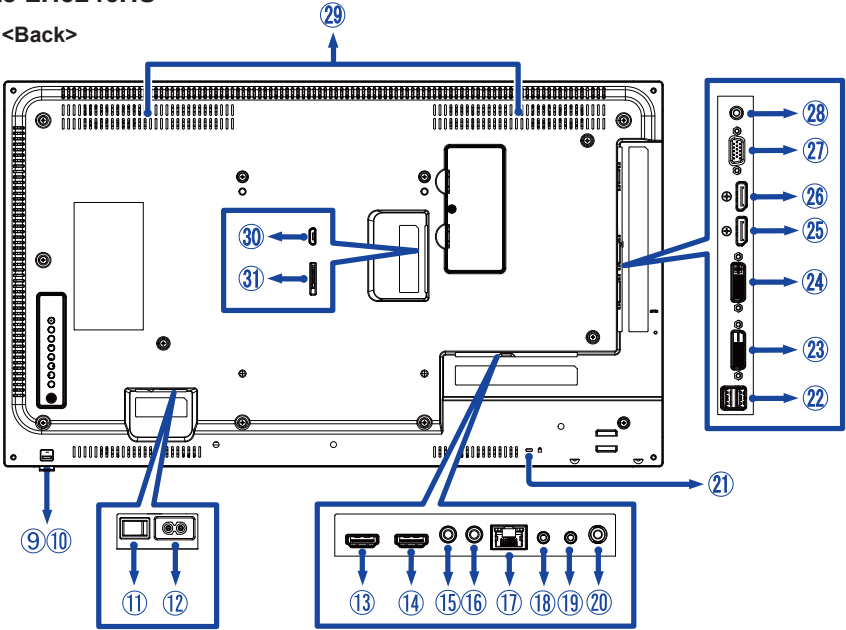
Push down to extend the lens



Push up to hide the lens

● ProLite LH3246HS

<Back>

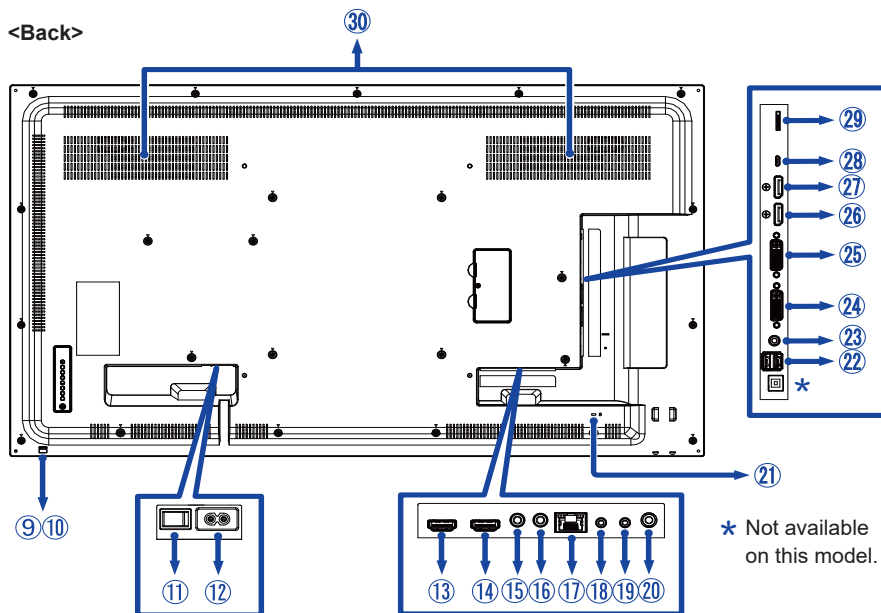


⑨	Power Indicator	Green	Normal Operation
		Red	If turn off the Power Button on the Remote Control and the Back Controller. (Monitor Power Off)
		Orange	If turn off the Power Button on the Remote Control and the Back Controller. Power Management (Monitor Standby)
		Off	Main Power Off
⑩	Remote Sensor		Remote Sensor
⑪	I (ON) / O (OFF) AC SWITCH	MAIN POWER	Main Power Switch
⑫	~ (AC IN)	AC-INLET	AC Connector ( ~ : Alternating current)
⑬	HDMI1 IN	HDMI	HDMI Connector
⑭	HDMI2 IN	HDMI	HDMI Connector
⑮	IR-IN	IR	IR Connector
⑯	IR-OUT	IR	IR Connector
⑰	RJ45	LAN	RJ45 Connector
⑱	RS232C IN	Sub-Mini Jack	RS232C Connector
⑲	RS232C OUT	Sub-Mini Jack	RS232C Connector
⑳	AUDIO OUT	Mini Jack	Headphone connector
㉑	Keyhole for Security Lock		Keyhole for Security Lock

● **ProLite LH3246HS**

②②	USB 5V/2A	USB	USB Connector
②③	DVI IN	DVI-D	DVI-D Connector
②④	DVI OUT	DVI-I	DVI-I Connector
②⑤	DP IN	DisplayPort	DisplayPort Connector
②⑥	DP OUT	DisplayPort	DisplayPort Connector
②⑦	VGA	D-Sub	VGA Connector
②⑧	PC LINE IN	Mini Jack	Audio Connector
②⑨	SPEAKERS		Speakers
③⑩	MICRO USB	MICRO-B	Micro USB Connector
③①	MICRO SD		Micro SD Card Slot

● ProLite LH4346HS / ProLite LH4946HS / ProLite LH5546HS



⑨	Power Indicator	Green	Normal Operation
		Red	If turn off the Power Button on the Remote Control and the Back Controller. Power Management (Monitor Power Off)
		Orange	If turn off the Power Button on the Remote Control and the Back Controller. Power Management (Monitor Standby)
		Off	Main Power Off
⑩	Remote Sensor		Remote Sensor
⑪	I (ON) / O (OFF) AC SWITCH	MAIN POWER	Main Power Switch
⑫	~ (AC IN)	AC-INLET	AC Connector ( ~ : Alternating current)
⑬	HDMI1 IN	HDMI	HDMI Connector
⑭	HDMI2 IN	HDMI	HDMI Connector
⑮	IR-IN	IR	IR Connector
⑯	IR-OUT	IR	IR Connector
⑰	RJ45	LAN	RJ45 Connector
⑱	RS232C IN	Sub-Mini Jack	RS232C Connector
⑲	RS232C OUT	Sub-Mini Jack	RS232C Connector
⑳	AUDIO OUT	Mini Jack	Headphone connector
㉑	Keyhole for Security Lock		Keyhole for Security Lock

● ProLite LH4346HS / ProLite LH4946HS / ProLite LH5546HS

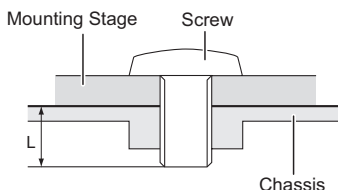
②②	USB 5V/2A	USB	USB Connector
②③	PC LINE IN	Mini Jack	Audio Connector
②④	DVI IN	DVI-I	DVI-I Connector
②⑤	DVI OUT	DVI-I	DVI-I Connector
②⑥	DP IN	DisplayPort	DisplayPort Connector
②⑦	DP OUT	DisplayPort	DisplayPort Connector
②⑧	MICRO USB	MICRO-B	Micro USB Connector
②⑨	MICRO SD		Micro SD Card Slot
③⑩	SPEAKERS		Speakers

## 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

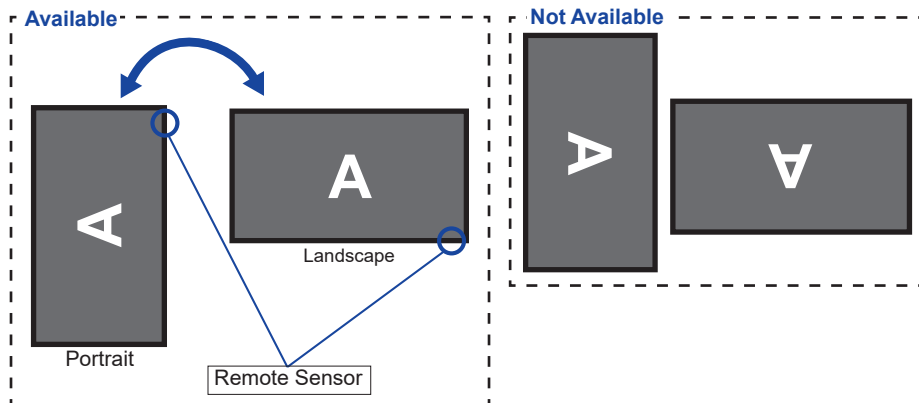
When using the wall mounting, consideration of thickness of the mounting stage needs to be taken. Tighten the M6 Screw with washer which "L" length is 10mm to fasten the monitor. Using a screw longer than this may cause electric shock or damage because it may contact with the electrical parts inside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

### [ROTATING THE MONITOR]

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

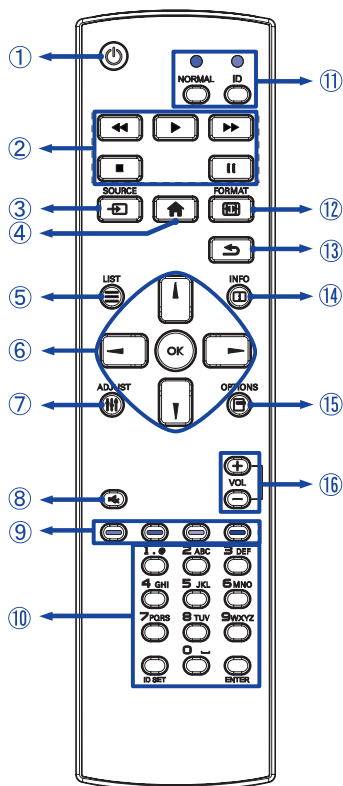
### NOTE

The monitor should be turned counterclockwise based on front view when used in portrait mode.





## CONTROLS : REMOTE CONTROL



①		Turn the monitor ON and OFF.
②	[PLAY]	Control playback of media files. ▶ : Play   ■ : Stop      : Pause ◀◀ : Quick-Return ▶▶ : Fast-Forward
③	SOURCE	Select the source. Press ▲ or ▼ button to select from Displayport, DVI-D, VGA, HDMI1, HDMI2, Media Player, Browser, PDF Player or Custom. Press [OK] button to confirm and exit.
④	HOME	Open the monitor's on-screen menu systems.
⑤	LIST	Not available on this model.
⑥		Navigate through submenus and settings. ▲ : Up Button ▼ : Down Button ◀ : Left Button ▶ : Right Button
	OK	Confirm your selection or save changes.
⑦	ADJUST	Adjust Position, Clock and Clock phase automatically for VGA input.
⑧	MUTE	Turn on or off the mute function when the Menu is not displayed.
⑨	[R] [G] [Y] [B]	Select tasks or options.
⑩	NUMBER/ ID SET/ENTER	Enter text for network setting.
⑪	ID / NORMAL	ID: To enter ID Mode NORMAL: To leave ID Mode
⑫	FORMAT	Change picture format.
⑬	BACK	Return to a previous menu or close the OSD Menu.
⑭	INFO	Provide source and resolution information.
⑮	OPTIONS	Access currently available options, picture and sound menus.
⑯	VOL + / -	VOLUME+: Increase the sound volume. VOLUME-: Decrease the sound volume.

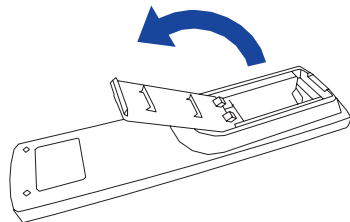
## PREPARING THE REMOTE CONTROL

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

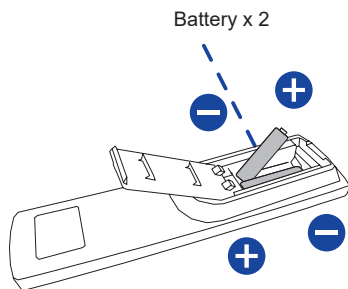
### CAUTION

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.

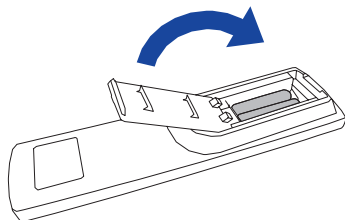
- ① Press and then slide the battery cover to open it.



- 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 lights up.
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 to exit the ID Mode. The green LED lights up.

### 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

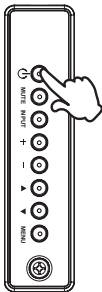
## ■ Turning the monitor ON

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

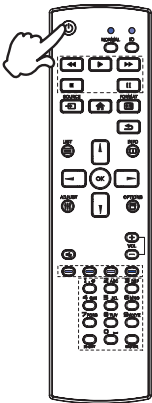
### NOTE

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


[Monitor]




[Remote Control]

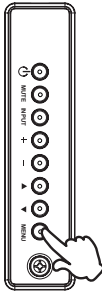


## ■ Display the adjustment menu page

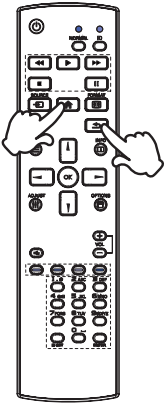
The menu page appears on the screen when you press the MENU button on the monitor or the  HOME button on the Remote Control.

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

[Monitor]



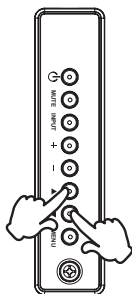
[Remote Control]



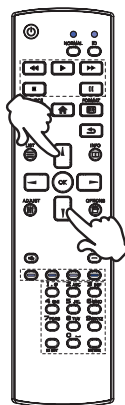
## ■ Move the cursor vertically

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

[Monitor]



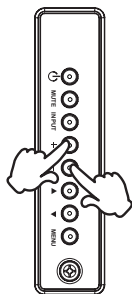
[Remote Control]



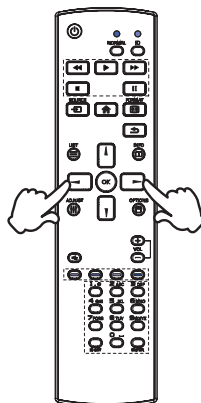
## ■ Move the cursor horizontally

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

[Monitor]



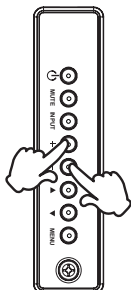
[Remote Control]



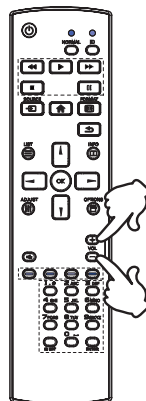
## ■ Adjust the volume of sound

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


[Monitor]



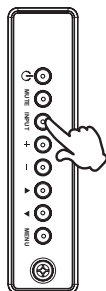
[Remote Control]



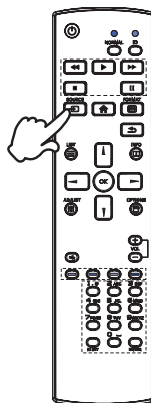
## ■ Switch the input signal

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

[Monitor]



[Remote Control]



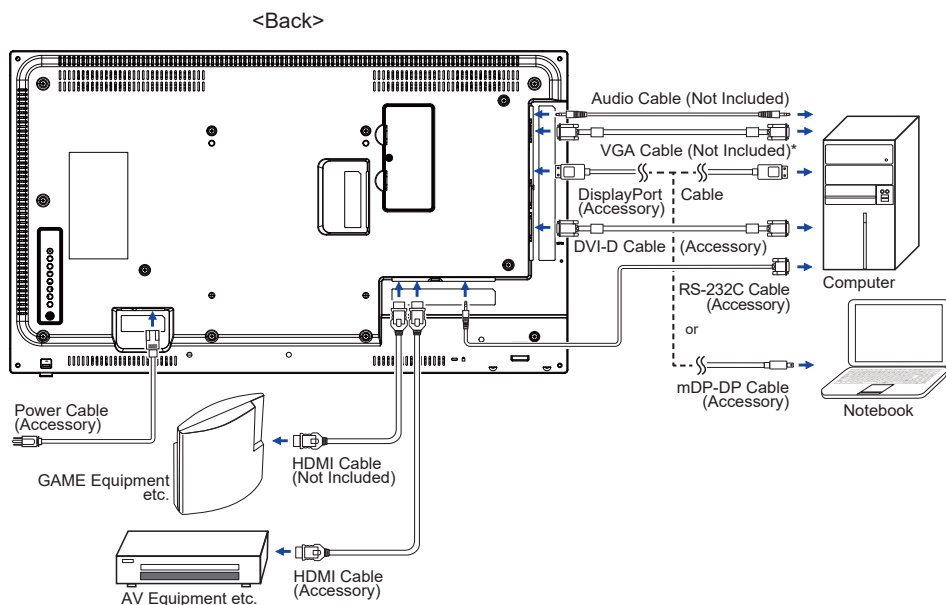
## CONNECTING YOUR MONITOR : ProLite LH3246HS

- 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 source.
- 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.
- 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.
- Excessive sound pressure from ear-/headphones can cause hearing damage/hearing loss.

[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.

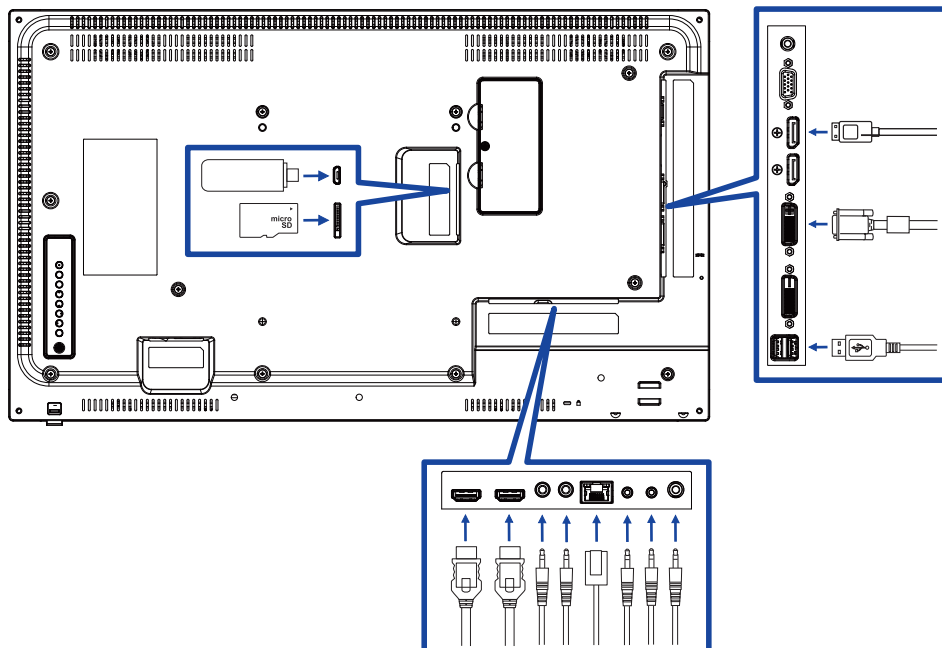
## [ Connection example with the peripheral device ]

### CAUTION

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

### NOTE

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





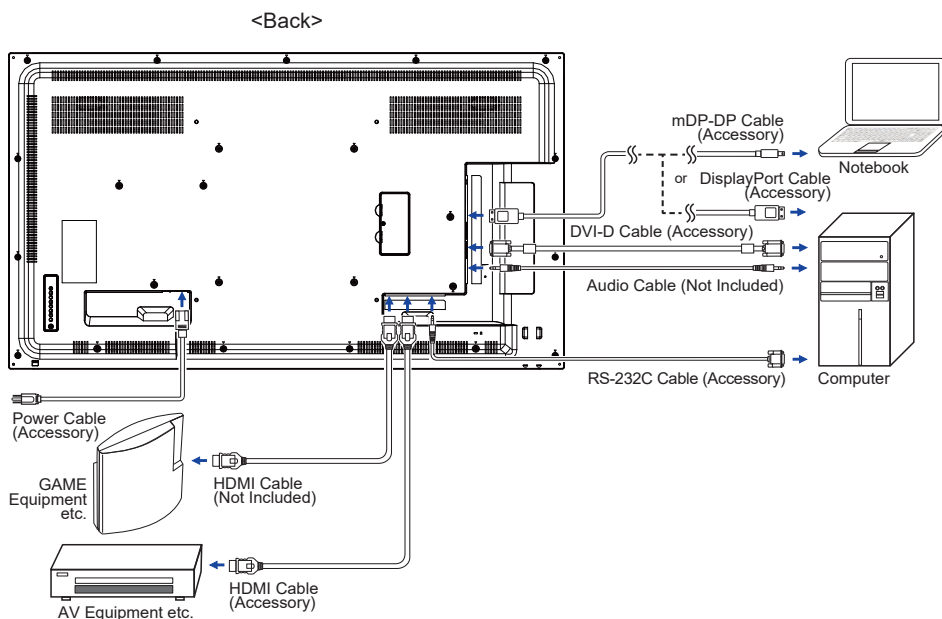
# CONNECTING YOUR MONITOR : ProLite LH4346HS / ProLite LH4946HS ProLite LH5546HS

- 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 source.
- 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.
- 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.
- Excessive sound pressure from ear-/headphones can cause hearing damage/hearing loss.

[Example of Connection]



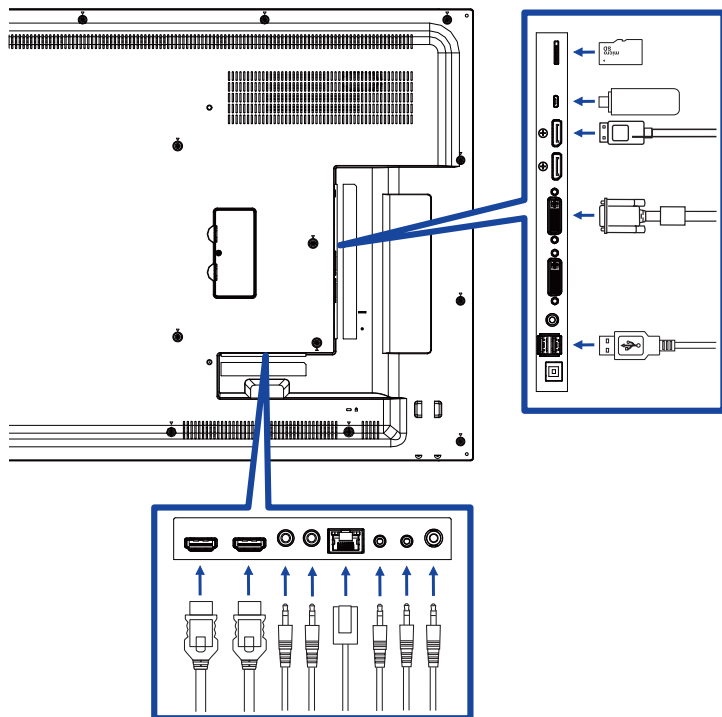
## [ Connection example with the peripheral device ]

### CAUTION

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

### NOTE

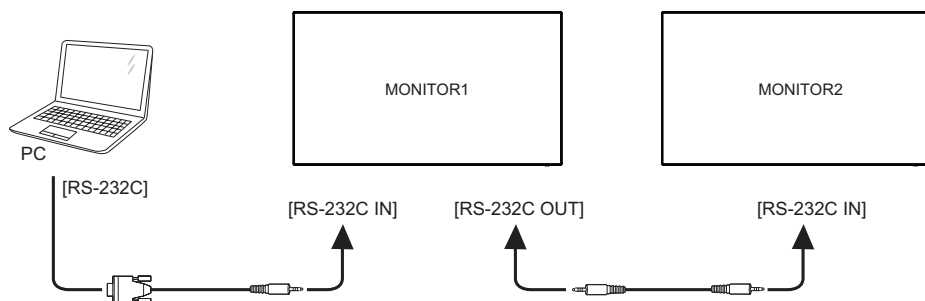
- Refer to the user manual of peripherals at the same time.
- Ensure you have the necessary cables as required.



## [ About the daisy chain ]

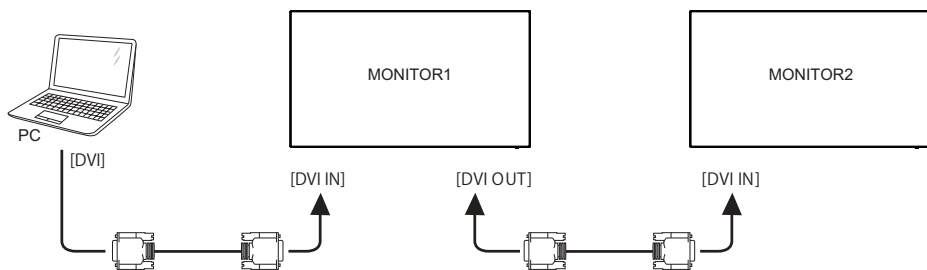
### ■ Monitor control connection

#### RS-232C

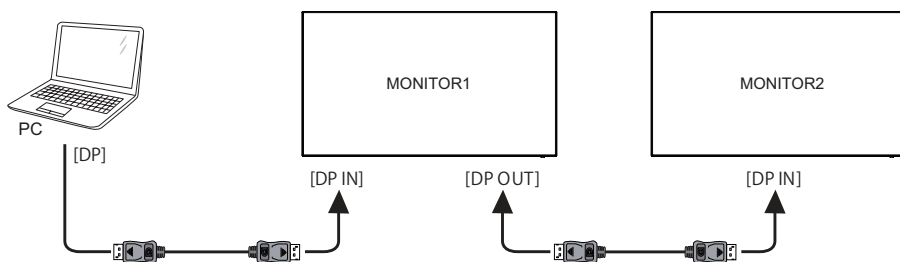


## ■ Digital video connection

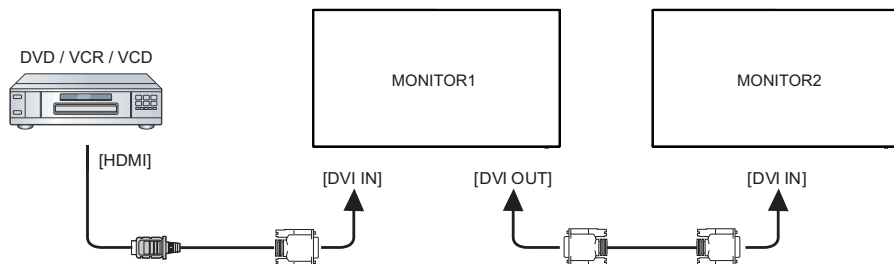
### DVI



### DisplayPort

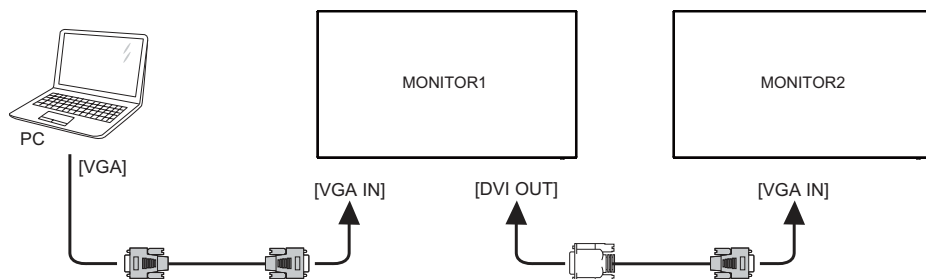


### HDMI



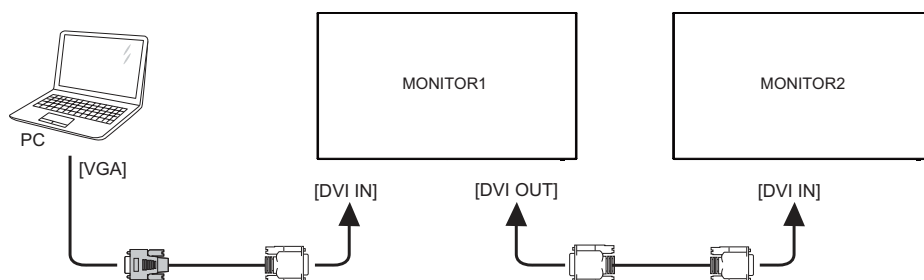
■ Analog video connection : ProLite LH3246HS

VGA




■ Analog video connection : ProLite LH4346HS / ProLite LH4946HS / ProLite LH5546HS

VGA

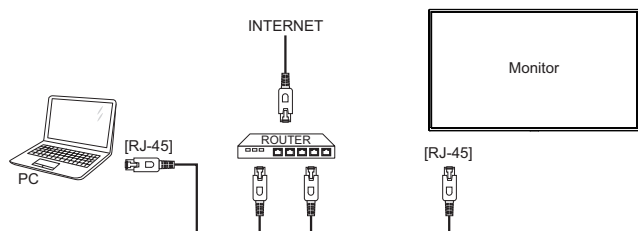


## [ To setup the network ]

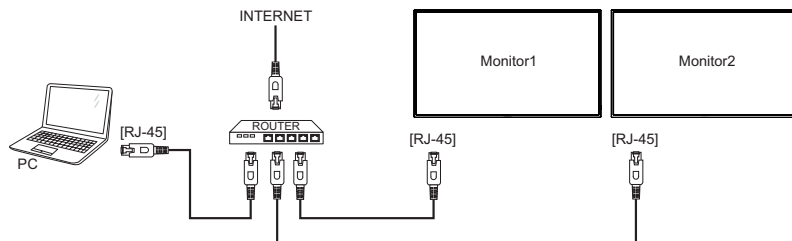
1. Switch on the router and switch on its DHCP setting.
2. Connect the router to this monitor and your computer with an Ethernet cable.
3. Press  HOME button on the remote control, then select Setup.
4. Select "Connect to network", then press OK button.
5. Follow the on-screen instructions to install 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



### ■ Signal Timing

Change to the desired signal timing listed on page 63: 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

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

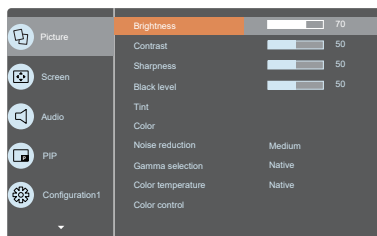
### ■ Procedure for turning ON the Power Switch

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 63. You are also able to adjust the picture by following the button operation shown below. For more detailed adjustments, see page 51 for SCREEN ADJUSTMENTS.

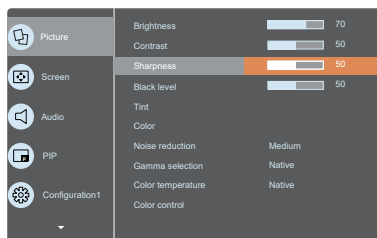
- ① Press the **HOME** button on the remote control or the **MENU** button on the monitor to start the On Screen Display feature. There are additional Menu items which can be switched by using the **▲ / ▼** buttons on the remote control or the **+** / **-** buttons on the monitor.



- ② Select the Menu item of the adjustment you want to make. Press the **OK / ►** button on the remote control or the **+** 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 **+** 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 **HOME** button on the remote control or the **MENU** button on the monitor in several times to leave the menu, and the settings you just made would be automatically saved.

For example, to correct for sharpness, select Menu item of "Picture". Press the **OK / ►** button on the remote control or the **+** button on the monitor. Then, select "Sharpness" by using the **▲ / ▼** buttons on the remote control or the **▲ / ▼** buttons on the monitor.


Use the **◄ / ►** buttons on the remote control or the **+** / **-** buttons on the monitor to change the sharpness settings. The sharpness of the overall display should be changing accordingly while you are doing this.



Press the **HOME** button on the remote control once or press the **MENU** button on the monitor several times to save and close the menu. All changes made will be saved to the memory.



**NOTE**


- The  BACK button on the remote control or the MENU button on the monitor can be used to return to the 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 Clock 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 directly display an option setting screen by using the following button operations.

- **Picture mode:**

Press the  button when the Menu is not displayed.

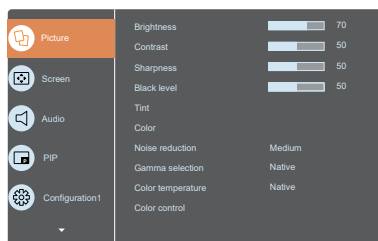
- **Audio source:**

























Press the  button when the Menu is not displayed.

## ADJUSTMENT MENU CONTENTS

The buttons to press that are described in this chapter are located on the remote control, unless specified otherwise.

### Picture



Adjustment Item	Problem / Option		Button to Press	
Brightness* <sup>1</sup>	Too dark Too bright		 	 
Contrast	Too dull Too intense		 	 
Sharpness	Too soft Too sharp		 	 
Black level	Black is too dark Black is too bright		 	 
Tint* <sup>2</sup>	Purplish Greenish		 	 
Color* <sup>2</sup>	Too weak Too strong		 	 
Noise reduction	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			
Color temperature	3000K		9300K	
	4000K		10000K	
	5000K		Native	Original color temperature
	6500K		User 1	User preset 1
	7500K		User 2	User preset 2

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

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

Picture

Picture

Screen

Audio

PIP

Configuration1

Brightness

Contrast

Sharpness

Black level

Tint

Color

Noise reduction

Gamma selection

Color temperature

Color control

70

50

50

50

Medium

Native

Native

Picture

Screen

Audio

PIP

Configuration1

Picture mode

Standard

Overscan

Picture reset

Off

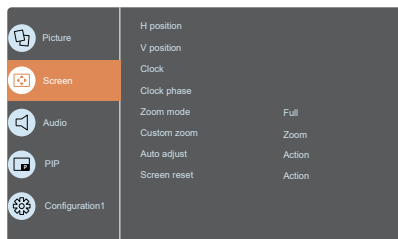
Action

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

\*<sup>3</sup> Only for HDMI (Video), USB and AV inputs.

\*<sup>4</sup> Only for HDMI (PC), DVI, DisplayPort and VGA inputs.

## Screen



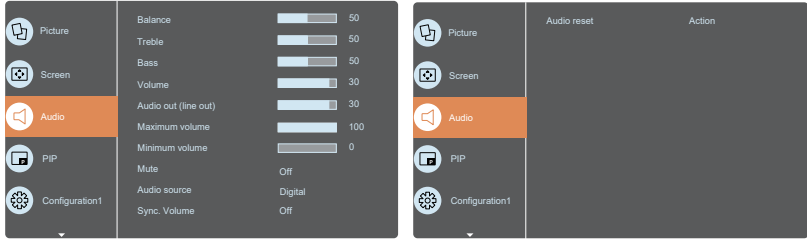
























Adjustment Item	Problem / Option		Button to Press
H position <sup>*1</sup>	Too left Too right		 
V position <sup>*1</sup>	Too low Too high		 
Clock <sup>*1,3</sup>	Too narrow Too wide		 
Clock phase <sup>*1,3</sup>	To correct flickering text or lines		
Zoom mode	Full	Enlarge the picture horizontally to fill the screen if the picture source is 4:3 (standard definition). When the picture source is 16:9 (high definition), it is not scaled.	
	4:3	Display all pictures in 4:3 aspect ratio.	
	1:1	Display the picture dot by dot.	
	16:9	Display all pictures in 16:9 aspect ratio.	
	21:9	Display all pictures in 21:9 aspect ratio.	
	Custom	Customize Zoom mode.	
Custom zoom <sup>*2</sup>	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.	
	H position	Move the image horizontally.	
	V position	Move the image vertically.	
Auto adjust <sup>*1,4</sup>	Adjust Position, Clock and Clock phase automatically.		
Screen reset	Cancel	Return to Menu.	
	Reset	Screen setting will be restored to factory-preset data.	

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

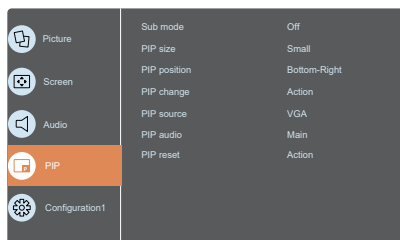
<sup>\*2</sup> Custom zoom is disabled when Pixel shift of Panel saving (Configuration 1) is enabled.



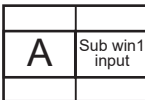
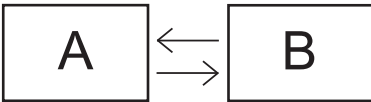
<sup>\*3</sup> See page 51 for SCREEN ADJUSTMENTS.

<sup>\*4</sup> For best results, use the Auto Adjust in conjunction with the adjustment pattern.  
See page 51 for SCREEN ADJUSTMENTS.

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	   
Volume	Too soft Too loud	   
Audio out (line out)	Adjust audio output volume. Too soft Too loud	   
Maximum volume	Set the maximum volume.	 
Minimum volume	Set the minimum volume.	 
Mute	Off	Return the sound volume to the previous level.
	On	Turn off the sound temporarily.
Audio source <b>Direct</b>	Analog	Select the VGA input.
	Displayport	Select the DisplayPort input.
	Digital	Select the HDMI/DVI input.
Sync. Volume	Off	Disable audio out (line out) volume.
	On	Enable audio out (line out) volume.
Audio reset	Cancel	Return to Menu.
	Reset	Audio setting will be restored to factory-preset data.

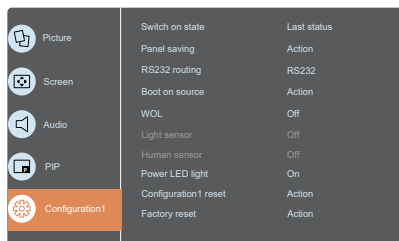
# PIP\*



Adjustment Item	Problem / Option		
Sub mode	Off		Sub mode is turned off.
	PIP		PBP 
	Quick swap	 Swap the Main/Sub screens.	
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	Cancel	Return to Menu.	
	Action	Exchange input signal of Main and Sub for PIP, PBP and Quick swap modes.	
PIP source	Select the input source for the sub screen. Displayport / DVI-D / VGA / HDMI1 / HDMI2 / Mediaplayer / Browser / PDF Player / Custom		
PIP audio	Main	Select the audio source for the main screen.	
	Sub	Select the audio source for the sub screen.	
PIP reset	Cancel	Return to Menu.	
	Reset	PIP setting will be restored to factory-preset data.	

\* PIP is disabled when Tiling is enabled.

## Configuration1



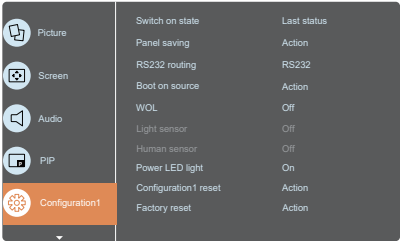
Adjustment Item	Problem / Option		
Switch on state	Power off	The display will remain off when the power cord is connected to a wall outlet.	
	Forced on	The display will turn on when the power cord is connected to a wall outlet.	
	Last status	The display will return to the previous power status (on/off/standby) when removing and replacing the power cord.	
Panel saving	Brightness	Off	Brightness is turned off.
		On	The image brightness will be reduced to an appropriate level.
	Pixel shift*1	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.
		10-900	Move the position of the image at set intervals in seconds.
RS232 routing	Select the network control port. RS232 / LAN->RS232		
Boot on source*2,3	Input	Select input source when boot up. Last input (default) / Displayport / DVI-D / VGA / HDMI1 / HDMI2 / Media Player / Browser / PDF Player / Custom	
	Playlist	Select playlist index for Mediaplayer, Browser and PDF Player.	
WOL	Off	WOL is turned off.	
	On	Turn the display on remotely over LAN network.	
Light sensor	Not available on this model.		
Human sensor	Not available on this model.		
Power LED light	Off	The Power Indicator is turned Off.	
	On	The Power Indicator is turned On.	

\*1 Only for VGA and HDMI input.

\*2 No failover function, system will keep source even the source is no signal input.

\*3 Press the ► button on the monitor to display the options.

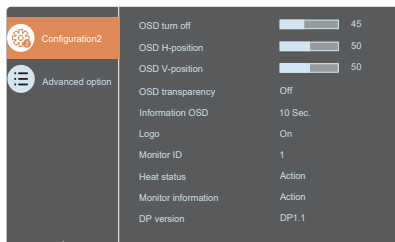
Configuration1



















Adjustment Item	Problem / Option	
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.



## Configuration2

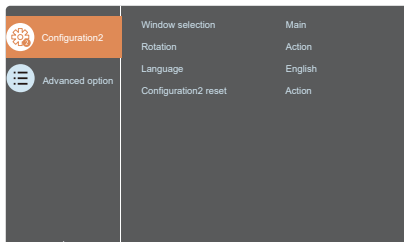


Adjustment Item	Problem / Option		Button to Press
OSD turn off	You can set the OSD display duration time between 5 and 120 seconds. Off / 5 - 120 seconds		 
OSD H-position	OSD is too left OSD is too right		   
OSD V-position	OSD is too low OSD is too high		   
OSD transparency	The background of OSD is made transparent. Off / 5 - 100		 
Information OSD	Set the period of time the information OSD is displayed on the upper right corner of the screen. Off / 1 - 60 seconds		 
Logo	Off	iiyama Logo does not display when the display is turned on.	 
	On	iiyama Logo displayed when the display is turned on.	
	User*1	Custom logo option in android is set, there will be only custom logo when the display is turned on.	
Monitor ID	Set ID to the display. 1 - 255		
Heat status	Display the thermal status.		
Monitor information	Show information about your display, including Model name, Serial No., Operation hours and SW version.		
DP version*2	Set the version of the DisplayPort. DP1.1 / DP1.2SST / DP1.2MST		

\*1 When you would like to use a Custom Boot Logo, go to Settings → Signage Display → General settings and set Boot Logo.

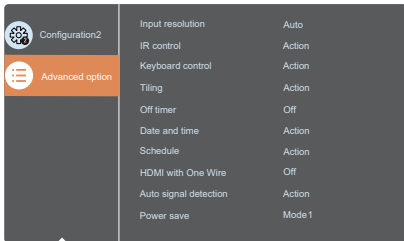
\*2 Only for DisplayPort input.

## Configuration2



Adjustment Item	Problem / Option			
Window selection*3	Select the window you want to adjust or configure. The default is set to Main. Main / Sub 1			
Rotation*3	Auto rotate	Off	Auto rotate is turned off.	
		On	All windows are rotated automatically to match the monitor's rotation.	
	OSD rotation	Landscape	The OSD menu will be shown in landscape.	
		Portrait	The OSD menu will be shown in portrait.	
	Image rotation	Selected screen rotates 90 degrees clockwise. All (all Window screens) / Main / Sub		
Language	English	English	Español	Spanish
	Deutsch	German	Русский	Russian
	简体中文	Simplified Chinese	Polski	Polish
	Français	French	Türkçe	Turkish
	Italiano	Italian	繁體中文	Traditional Chinese
Configuration2 reset	Cancel	Return to Menu.		
	Reset	Configuration2 setting will be restored to factory-preset data.		

<sup>\*3</sup> Available only when the PIP or PBP mode is selected.

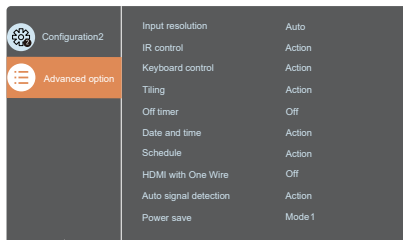
<b>Advanced option</b>		
		
Adjustment Item	Problem / Option	
Input resolution* <sup>1</sup>	Set the VGA input resolution only when the monitor can not detect the VGA input resolution correctly. Auto / 1024 x 768 / 1280 x 768 / 1360 x 768 / 1366 x 768 / 1400 x 1050 / 1680 x 1050 / 1600 x 1200 / 1920 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.
	Primary	Set the display as the primary display for remote control operation.
	Secondary	Set the display as the secondary display. This display can not be operated by the remote control, and will only receive the control signal from the primary display via the RS232C connection.
	Lock All	Lock all of the remote control.
	Lock All but Volume	Lock all except the volume of the remote control.
	Lock All but Power	Lock all except the power of the remote control.
	Lock all except PWR & VOL	Lock all except the volume and power of the remote control.
Keyboard control	Lock the keyboard function. (Control buttons)	
	Unlock* <sup>3</sup>	Unlock the keyboard.
	Lock All	Lock all of the keyboard.
	Lock All but Volume	Lock all except the volume of the keyboard.
	Lock All but Power	Lock all except the power of the keyboard.
	Lock all except PWR & VOL	Lock all except the volume and power of the keyboard.

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

\*<sup>2</sup> Keep pressing the INFO button on the remote control for 6 seconds can also unlock the remote control.

\*<sup>3</sup> Keep pressing the + button and ▲ button on the monitor for more than 3 seconds can also unlock the keyboard. Lock and unlock can be switched alternately by pressing and holding both buttons.

## Advanced option



Adjustment Item	Problem / Option		
Tiling**4	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. *5	
	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	No	Enable is turned off.
		Yes	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.
		Sec.	Set the power-on delaying time. (2-255 seconds)

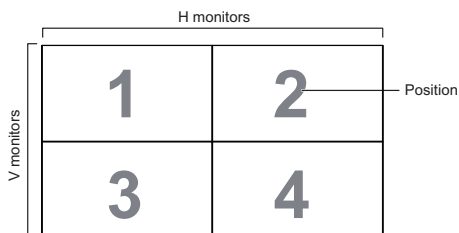
<sup>\*4</sup> With this function you can create a single large-screen matrix (video wall) that consists of up to 225 sets of this monitor (up to 15-sets on the vertical and 15-sets on the horizontal sides).

<sup>\*5</sup> Screen Matrix

Example: 2 x 2 screen matrix (4 monitors)

H monitors = 2 monitors

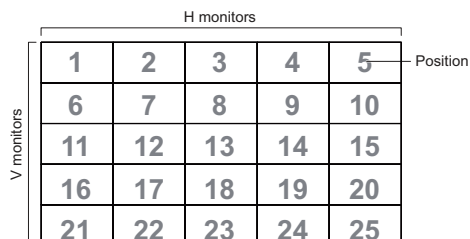
V monitors = 2 monitors



Example: 5 x 5 screen matrix (25 monitors)

H monitors = 5 monitors

V monitors = 5 monitors



Advanced option

Configuration2

Advanced option

Input resolution

IR control

Keyboard control

Tiling

Off timer

Date and time

Schedule

HDMI with One Wire

Auto signal detection

Power save

Auto

Action

Action

Action

Off

Action

Action

Off

Action

Mode 1

Adjustment Item	Problem / Option		
Off timer	Set when turn off the display. Off / 1 - 24 hours		
Date and time* <sup>6</sup>	Adjust the current date and time for the internal clock. Auto sync / Year / Month / Day / Hour / Minute / Daylight saving time <div>NOTE</div> You must set this item before using "Schedule".		
Schedule	Schedule list		Up to 7 schedules can be set.
	Schedule 1/2/3/4/ 5/6/7* <sup>7</sup>	On	Set start time.
		Off	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 / Media Player / Browser / PDF Player / Custom
		Set the day of the week. MON / TUE / WED / THU / FRI / SAT / SUN / Every week	
		Playlist* <sup>8</sup>	Store a file in the Playlist when Input is set to USB. Each Playlist supports up to 30 files.
		Clear all	All settings in Schedule are cleared.
HDMI with One Wire* <sup>9</sup>	Off	HDMI with One Wire is turned Off.	
	On	Enable CEC.* <sup>10</sup>	
Auto signal detection	Off	Auto signal detection is turned off.	
	All	Automatically detects available input sources.	

\*<sup>6</sup> Date and time are not reset when the display is restored to factory settings using the Advanced options reset.

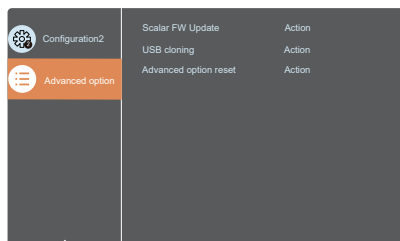
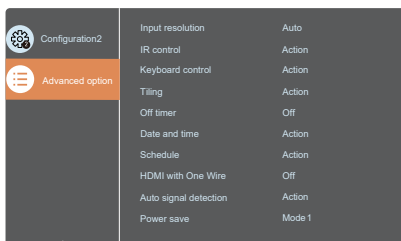
\*<sup>7</sup> To activate the option, check the checkbox in the setup menu. Uncheck the checkbox to deactivate it.

\*<sup>8</sup> Select file and press the OK button on the remote control to store or delete it to/from the Playlist. To save the Playlist, press red button on the remote control and select "Savelist". Files in the Playlist will not be cleared after restoring the factory setting. Delete them manually as required.

\*<sup>9</sup> It can be used only when HDMI is connected with equipment compatible with CEC function.


\*<sup>10</sup> CEC (Consumer Electronics Control) is a link function that operates each other by exchanging control signals between devices such as display and recorder.

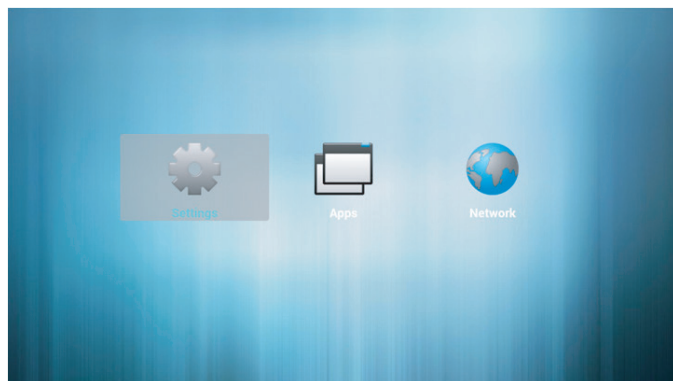
# Advanced option



Adjustment Item	Problem / Option			
Power save		Power Button	Display status	WOL
	Mode1	Off	Off	On
	Mode2	Off	Power management mode Automatically on when signal is back	On
	Mode3	Off	Backlight off Automatically on when signal is back	Off
	Mode4	Off	Backlight on On screen message "No signal !"	Off
Scalar FW Update	Update scalar firmware by USB.			
USB cloning	Import	Update the monitor settings by importing another monitor's settings file.		
	Export	Copy the monitor settings to a file.		
<div>NOTE</div> <p>Cloned data is saved in the Android internal storage. You need to use APK (Android Application Package) to copy the cloned data to an USB for use with another monitor.</p>				
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.		

## APPLICATION

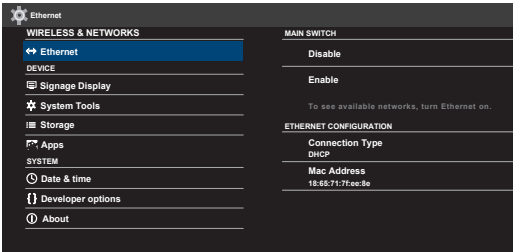
Press the  HOME button and number 1668 on the remote control.



**Settings:** To access the Settings application.

**Apps:** To view all applications installed.

**Network:** To view the network setting status.



Adjustment Item	Option		
Ethernet	Disable	Turn the wired network (Ethernet) off.	
	Enable	Turn the wired network (Ethernet) on. "Connection Type (DHCP / Static IP / IP Address / Netmask / DNS Address / Gateway)" and "Mac Address" are displayed on the screen.	
Signage Display	General Settings	Signage Display Name	Set the display name Ethernet Mac Address.
		Boot Logo <sup>*1,3</sup>	Select Boot Animation. <sup>*2</sup>
		Screenshot	Disable / Enable (Interval, Start time, End time, Repeat, Save to, Purge Screenshots, Send screenshots via email)
	Server Settings	FTP	Disable / Enable (Account, Password, Storage Path, Port)
	Source Settings	Media Player	Edit Media Player playlist and effect settings.
		Browser	Edit Bookmark configuration.
		PDF Player	Edit PDF Player playlist and effect settings.
		Custom app <sup>*3</sup>	Edit the Custom app.

<sup>\*1</sup> The Boot Logo is only available when you select "User" of Logo function in the OSD menu "Configuration2".

<sup>\*2</sup> For details, refer to download the Custom Boot Animation manual on the IIYAMA web site.

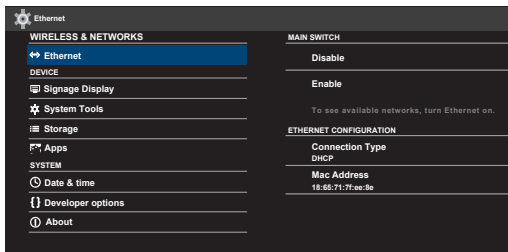
<sup>\*3</sup> There are additional functions for this item. (see below.)

**Cancel:** Close without saving

**Forget:** Delete

**Save:** Save





Adjustment Item	Option	
System Tools	Clear Storage	Clear all data in signage folders. All / Internal storage / USB storage / SD card
	Factory Reset	Cancel Return to Menu.
		OK Factory-preset data is restored.
	Export signage Display setting	Export signage display settings to USB storage / SD card.
	Import signage Display setting	Import signage display settings from USB storage / SD card.
Storage	Display current Android storage information. Internal storage / SD card / USB storage	
Apps	Display applications information.	
Date & time	Display Date & Time information.	
Developer options	Not available on this model. When you change the system settings, a problem like system instability may occur. In that case, contact your dealer or iiyama service center for assistance.	
About	Main information about: System updates / Android version / Kernel version / Build number Automatically search update.zip from USB or SD card. When you select the update.zip file, the display will restart and the update will start.	

<Android> \* Android upgrade is not available on this model.

- Settings : Go to the application of Settings.
- Apps : Show all applications. (Browser / Chromium / File Manager / Media Player / PDF Player / Settings)
- Network : Set Ethernet.

● Preparation for using Media Player and PDF Player

1. Create a root folder on your USB or SD card.
  - videos in /signage/video/
  - photos in /signage/photo/
  - music in /signage/music/
  - pdfs in /signage/pdf/
2. Save the Music/Video/Photo/PDF file in the root folder of your USB or SD card.
3. Insert your USB or SD card into an USB port or SD card slot of the monitor.
4. When using internal storage, save the necessary files of your USB or SD card to an appropriate root folder in the internal storage of the monitor.
  - videos in /root/signage/video/
  - photos in /root/signage/photo/
  - music in /root/signage/music/
  - pdfs in /root/signage/pdf/

**NOTE**

Make sure you select the right folder.

If you save the file in the wrong folder, you may not find it.

■ Slide bar

- **Open:** Open folder (USB/SD card)
- **Delete:** Delete files.
- **Copy:** Copy files.
- **Move:** Move files.
- **Select:** Select files.
- **Select All:** Select all files.

■ 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

## [Media Player]

- Play: Select playlist to play
- Compose: Edit playlist
- Settings: Setting play properties

### ● Play

Select "Play" on the page. First you select one playlist to play between FILE1 and FILE7.

#### ■ Media Hotkey

- ► **Play**: To play the media file.
- || **Pause**: To pause the media file.
- ►► **Fast forward**: To skip forward 20 seconds.
- ◀◀ **Rewind**: To skip backward 20 seconds.
- ■ **Stop**: To stop the media file. If it is a gif file, it will pause.




### ● Compose

1. Select "Compose" on the page. First you select one playlist to play between FILE1 and FILE7.
2. Select the file and select edit or delete.
3. Save the edited file.
  - videos in /root/signage/video/
  - photos in /root/signage/photo/
  - music in /root/signage/music/
4. When you create photo list you will be asked if you want to play back ground music during slideshow playback. Set as required.

#### ■ Slide bar

- **Source**: Select storage (USB/SD card)
- **Playlist**: Show playlist (Internal)
- **Select all**: Select all storage files.
- **Delete all**: Delete playlist files.
- **Add/Remove**: Update playlist from the source.
- **Sort**: Sort playlist.
- **Save/Abort**: Save or abort playlist.
- **Back**: Return.

#### ■ Remote control

-  **Option key**: Display sidebar
- ► **Play key**: Play media file
- || **Pause key**: Pause
-  **Info key**: Show media info
-  **OK key**: Select / deselect file

## ● Settings

Select "Settings" on the page.

### • Repeat mode: Play mode.

Repeat once: All files are repeated once.

Repeat all: All files in the same folder play repeatedly.

### • Slideshow Effect: Photo slideshow effect.

Right to left: Change from right to left sliding.

Fold: Change by rotating horizontally in the center.

Corner: Change by enlarging from the upper left corner to the lower right corner.

None: Normal

### • Effect Duration: Photo effect duration. 5s/10s/15s/20s

## [Browser]

## ● Settings

Select "Settings" on the page.

### • Set frequently used URL.

1. Select 1 - 7.

2. Enter URL and press OK.

3. Press 'Option' to display the slide bar.

**Import:** Import URL list file

**Export:** Export URL list file

**Delete all:** Delete all URL record

**Back:** Slide bar will be closed

## [PDF Player]

### ● Play

Select "Play" on the page. First you select one playlist to play between FILE1 and FILE7.

#### ■ Media Hotkey

- **► Play:** To play the PDF file.
- **⏸ Pause:** To pause the PDF file.
- **►► Fast forward:** Go to the next page, if the page is end of the file, it will go to next file.
- **◀◀ Rewind:** Back to previous page, if the page is first of the file, it will back to previous file.
- **■ Stop:** Return to first page of file.

#### ■ Color Hotkey

- **Blue key:** Zoom in (+10%)
- **Yellow key:** Zoom out (-10%)
- **Ⓞ OK key:** Restore zoom

#### ■ Arrow key

- **▲ / ▼ / ◀ / ▶ :** Adjust page (When the page has zoomed in/out)
- **◀ :** Previous page (When the page has not zoomed in/out)
- **▶ :** Next page (When the page has not zoomed in/out)

### ● Compose

1. Select "Compose" on the page. First you select one playlist to play between FILE1 and FILE7.
2. Select the file and select edit or delete.
3. Save the edited file.  
-pdfs in /root/signage/pdf/

#### ■ Slide bar

- **Source:** Select storage (USB/SD card)
- **Playlist:** Show playlist (Internal)
- **Select all:** Select all storage files.
- **Delete all:** Delete playlist files.
- **Add/Remove:** Update playlist from source.
- **Sort:** Sort playlist.
- **Save/Abort:** Save or abort playlist.
- **Back:** Return.

#### ■ Remote control

- **⏏ Option key:** Display sidebar
- **► Play key:** Play media file
- **ⓘ Info key:** Show media info
- **Ⓞ OK key:** Select / deselect file

### ● Settings

Select "Settings" on the page.

- **Repeat mode:** Play mode.  
Repeat once: The same file plays repeatedly.  
Repeat all: All files in the same folder play repeatedly.
- **Effect Duration:** PDF effect duration. 5s/10s/15s/20s

**[Chromium]**

Connect the network, and browse the web.

**[File Manager]**

Browse the files stored in the internal storage, USB and SD card.

**[Settings]**

See pages 44 and 45 for Settings.

**[Custom]**

Set up the application for Customer Source.

**NOTE**

- Only display user installed application.
- Will not appear in the system pre-install application.

## 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 1920 × 1080, but can not provide the best at resolutions of less than 1920 × 1080 because the picture is automatically stretched to fit the full screen. It is recommended to operate at resolution of 1920 × 1080 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 Clock 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 IİYAMA web site (<http://www.iiyama.com>).

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

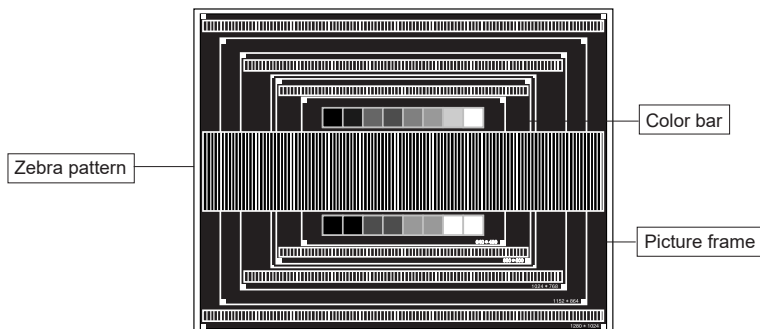
This manual explains adjustment under Windows® OS.

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

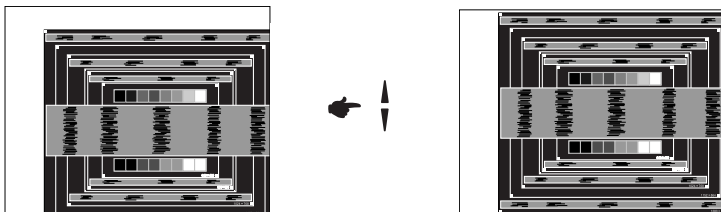
### NOTE

- Consult the appropriate documentation for doing this.
- Set the display position to center in the wallpaper setting dialogue box.

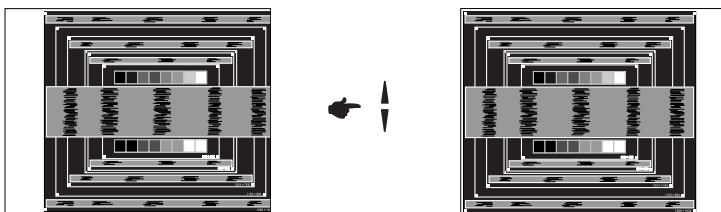
### [Adjustment pattern]



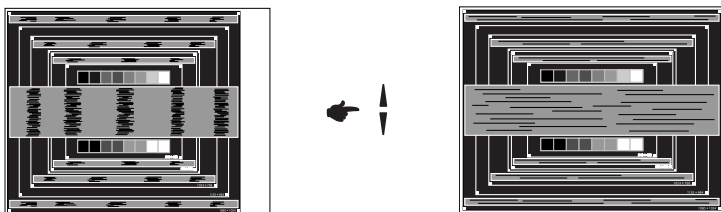
- ③ Adjust the Auto adjustment. (Auto adjust)
- ④ Adjust the image manually by following procedure below when the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto adjust.
- ⑤ Adjust the V position so that the top and bottom of the picture frame will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

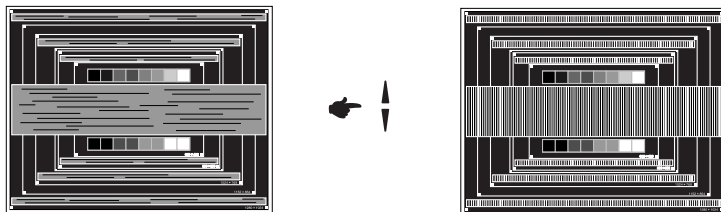


**NOTE**

- 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 Clock adjustment, repeat steps from ③.



- ⑦ Adjust the Clock 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 Clock 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 Clock phase adjustments.

Put back your favorite wallpaper.

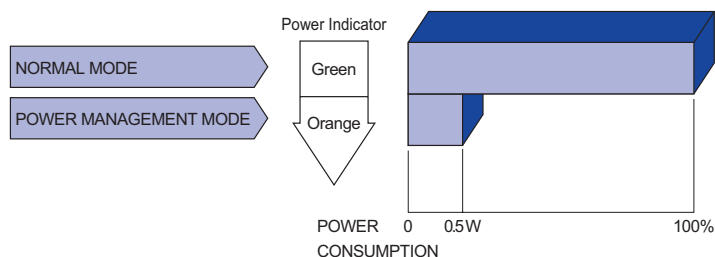
## POWER MANAGEMENT FEATURE

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, and the power indicator turns to orange. 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. (Power indicator does not light up.)  (Power indicator is green.)  (Power indicator is orange.)	<input type="checkbox"/> The Power Cable is firmly seated in the socket. <input type="checkbox"/> The Power Switch is turned ON. <input type="checkbox"/> The AC socket is live. Please check with another piece of equipment. <input type="checkbox"/> If the blank screen saver is in active mode, touch the keyboard or the mouse. <input type="checkbox"/> Increase the Contrast and/or Brightness. <input type="checkbox"/> The computer is ON. <input type="checkbox"/> The Signal Cable is properly connected. <input type="checkbox"/> The signal timing of the computer is within the specification of the monitor. <input type="checkbox"/> If the monitor is in power management mode, touch the keyboard or the mouse. <input type="checkbox"/> The computer is ON. <input type="checkbox"/> The Signal Cable is properly connected. <input type="checkbox"/> The signal timing of the computer is within the specification of the monitor.
② The screen is not synchronized.	<input type="checkbox"/> The Signal Cable is properly connected. <input type="checkbox"/> The signal timing of the computer is within the specification of the monitor. <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. <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. <input type="checkbox"/> The Audio Cable is properly connected. <input type="checkbox"/> The Volume is turned up. <input type="checkbox"/> The Mute is OFF. <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](http://www.iiyama.com) for monitor recycling.

# APPENDIX

Design and specifications are subject to change without prior notice.

## SPECIFICATIONS : ProLite LH3246HS

Size Category		32"
LCD Panel	Panel technology	IPS
	Size	Diagonal: 31.5" (80.1cm)
	Pixel pitch	0.36375mm H × 0.36375mm V
	Brightness	400cd/m <sup>2</sup> (Typical)
	Contrast ratio	1100 : 1 (Typical)
	Viewable angle	Horizontal : 178 degrees, Vertical: 178 degrees (Typical)
	Response time	10ms (Typical, Gray to Gray)
Display Colors		Approx. 16.7M
Sync Frequency		Analog: Horizontal: 30.0-83.0kHz, Vertical: 50-76Hz Digital: Horizontal: 30.0-83.0kHz, Vertical: 50-76Hz
Maximum Resolution		1920 × 1080, 2.1 MegaPixels
Input Connector		VGA, DVI-D, HDMIx2, DisplayPort
Input Audio Connector		ø 3.5mm mini jack (Stereo)
LAN		RJ45
Serial Port		RS-232C In/Out ø 2.5mm sub-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), Micro-B
Micro SD Card Slot		Micro SD
Output Connector		DVI-I, DisplayPort
Headphone Connector		ø 3.5mm mini jack (Stereo)
Speakers		Internal: 10W×2 (Stereo speakers)
Maximum Screen Size		698.4mm W × 392.9mm H / 27.5" W × 15.5" H
Power Source		100-240VAC, 50/60Hz, 2.5A
Power Consumption*		49.1W typical, Power management mode: 0.5W maximum Energy Efficiency Class: B
Dimensions / Net Weight		725.0 × 424.5 × 56.5mm / 28.5× 16.7 × 2.2" (W×H×D) 6.9kg / 15.2lbs
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		CE, EAC, TÜV-Bauart

### NOTE

\* Audio equipment are not connected.

## SPECIFICATIONS : ProLite LH4346HS

ENGLISH

Size Category		43"
LCD Panel	Panel technology	IPS
	Size	Diagonal: 42.5" (108.0cm)
	Pixel pitch	0.4902mm H × 0.4902mm V
	Brightness	450cd/m <sup>2</sup> (Typical)
	Contrast ratio	1100 : 1 (Typical)
	Viewable angle	Horizontal : 178 degrees, Vertical: 178 degrees (Typical)
	Response time	12ms (Typical, Gray to Gray)
Display Colors		Approx. 16.7M
Sync Frequency		Analog: Horizontal: 30.0-83.0kHz, Vertical: 50-76Hz Digital: Horizontal: 30.0-83.0kHz, Vertical: 50-76Hz
Maximum Resolution		1920 × 1080, 2.1 MegaPixels
Input Connector		DVI-I, HDMIx2, DisplayPort
Input Audio Connector		ø 3.5mm mini jack (Stereo)
LAN		RJ45
Serial Port		RS-232C In/Out ø 2.5mm sub-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), Micro-B
Micro SD Card Slot		Micro SD
Output Connector		DVI-I, DisplayPort
Headphone Connector		ø 3.5mm mini jack (Stereo)
Speakers		Internal: 10W×2 (Stereo speakers)
Maximum Screen Size		941.2mm W × 529.4mm H / 37.1" W × 20.8" H
Power Source		100-240VAC, 50/60Hz, 2.5A
Power Consumption*		57.8W typical, Power management mode: 0.5W maximum Energy Efficiency Class: A
Dimensions / Net Weight		965.0 × 559.5 × 45.5mm / 38.0 × 22.0 × 1.8" (W×H×D) 11.6kg / 25.6lbs
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		CE, EAC, TÜV-Bauart

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

## SPECIFICATIONS : ProLite LH4946HS

Size Category		49"
LCD Panel	Panel technology	IPS
	Size	Diagonal: 48.5" (123.2cm)
	Pixel pitch	0.55926mm H × 0.55926mm V
	Brightness	450cd/m <sup>2</sup> (Typical)
	Contrast ratio	1100 : 1 (Typical)
	Viewable angle	Horizontal : 178 degrees, Vertical: 178 degrees (Typical)
	Response time	12ms (Typical, Gray to Gray)
Display Colors		Approx. 16.7M
Sync Frequency		Analog: Horizontal: 30.0-83.0kHz, Vertical: 50-76Hz Digital: Horizontal: 30.0-83.0kHz, Vertical: 50-76Hz
Maximum Resolution		1920 × 1080, 2.1 MegaPixels
Input Connector		DVI-I, HDMIx2, DisplayPort
Input Audio Connector		ø 3.5mm mini jack (Stereo)
LAN		RJ45
Serial Port		RS-232C In/Out ø 2.5mm sub-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), Micro-B
Micro SD Card Slot		Micro SD
Output Connector		DVI-I, DisplayPort
Headphone Connector		ø 3.5mm mini jack (Stereo)
Speakers		Internal: 10W×2 (Stereo speakers)
Maximum Screen Size		1073.8mm W × 604.0mm H / 42.3" W × 23.8" H
Power Source		100-240VAC, 50/60Hz, 2.5A
Power Consumption*		65.7W typical, Power management mode: 0.5W maximum Energy Efficiency Class: A+
Dimensions / Net Weight		1097.5 × 634.0 × 45.5mm / 43.2 × 25.0 × 1.8" (W×H×D) 15.6kg / 34.4lbs
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		CE, EAC, TÜV-Bauart

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

## SPECIFICATIONS : ProLite LH5546HS

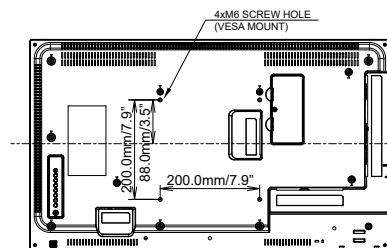
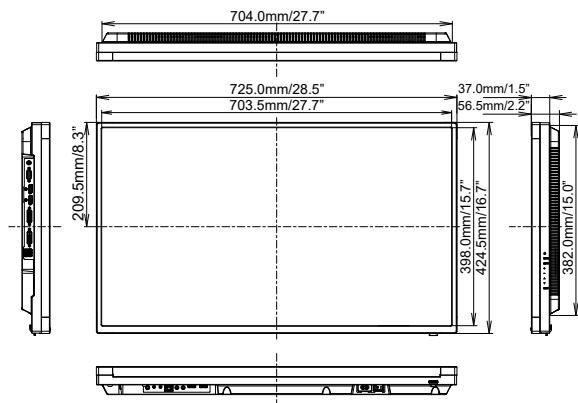
ENGLISH

Size Category		55"
LCD Panel	Panel technology	IPS
	Size	Diagonal: 54.6" (138.8cm)
	Pixel pitch	0.630mm H × 0.630mm V
	Brightness	450cd/m <sup>2</sup> (Typical)
	Contrast ratio	1100 : 1 (Typical)
	Viewable angle	Horizontal : 178 degrees, Vertical: 178 degrees (Typical)
	Response time	12ms (Typical, Gray to Gray)
Display Colors		Approx. 16.7M
Sync Frequency		Analog: Horizontal: 30.0-83.0kHz, Vertical: 50-76Hz Digital: Horizontal: 30.0-83.0kHz, Vertical: 50-76Hz
Maximum Resolution		1920 × 1080, 2.1 MegaPixels
Input Connector		DVI-I, HDMIx2, DisplayPort
Input Audio Connector		ø 3.5mm mini jack (Stereo)
LAN		RJ45
Serial Port		RS-232C In/Out ø 2.5mm sub-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), Micro-B
Micro SD Card Slot		Micro SD
Output Connector		DVI-I, DisplayPort
Headphone Connector		ø 3.5mm mini jack (Stereo)
Speakers		Internal: 10W×2 (Stereo speakers)
Maximum Screen Size		1209.6mm W × 680.4mm H / 47.6" W × 26.8" H
Power Source		100-240VAC, 50/60Hz, 2.5A
Power Consumption*		76.1W typical, Power management mode: 0.5W maximum Energy Efficiency Class: A+
Dimensions / Net Weight		1233.5 × 710.5 × 45.5mm / 48.6 × 28.0 × 1.8" (W×H×D) 18.9kg / 41.7lbs
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		CE, EAC, TÜV-Bauart

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

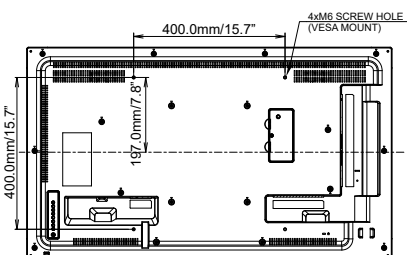
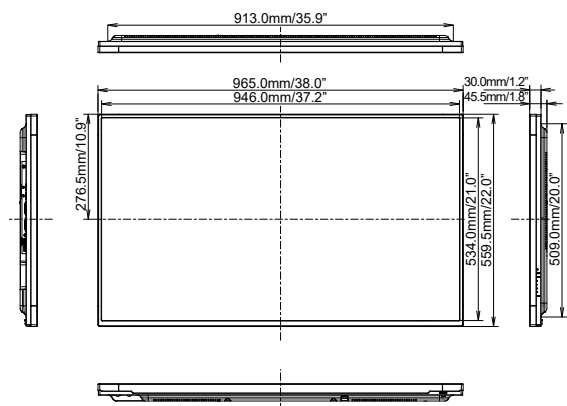


## DIMENSIONS : ProLite LH3246HS



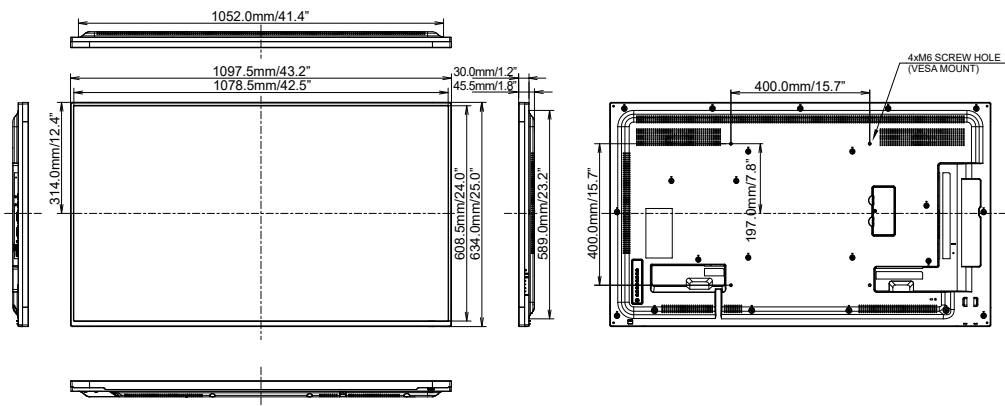
ENGLISH

## DIMENSIONS : ProLite LH4346HS

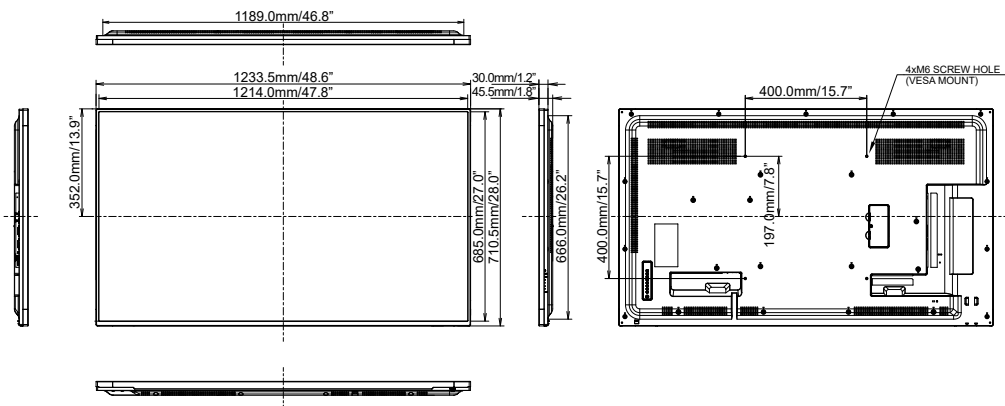


## DIMENSIONS : ProLite LH4946HS

ENGLISH



## DIMENSIONS : ProLite LH5546HS



## COMPLIANT TIMING

Timing		fH(kHz)	fV(Hz)	Dot clock (MHz)	VGA	DVI	HDMI	DisplayPort
VESA	VGA 640x480	31.469	59.940	25.175	○	○	○	○
		37.861	72.809	31.500	○	○	○	○
		37.500	75.000	31.500	○	○	○	○
	WVGA 720x400	31.469	70.087	28.322	○	○	○	○
		37.879	60.317	40.000	○	○	○	○
	SVGA 800x600	46.875	75.000	49.500	○	○	○	○
		48.363	60.004	65.000	○	○	○	○
	XGA 1024x768	60.023	75.029	78.750	○	○	○	○
		47.776	59.870	79.500	○	○	○	○
	WXGA 1280x768	49.702	59.810	83.500	○	○	○	○
	WXGA 1280x800	60.000	60.000	108.000	○	○	○	○
	SXGA 1280x1024	63.981	60.020	108.000	○	○	○	○
	WXGA 1280x800	62.800	74.930	106.500	○	○	○	○
	WXGA1360x768	47.712	60.020	85.500	○	○	○	○
MAC	640x480	47.712	59.700	85.500	○	○	○	○
		UXGA 1600x1200	75.000	60.000	162.000	○	○	○
		FHD 1920x1080	67.500	60.000	148.500	○	○	○
	832x624	49.725	74.500	57.283	○	○	○	○
SD	1152x870	68.681	75.062	100.000	○	○	○	○
	480i	60Hz	15.734	59.940	27.000	○	○	○
	576i	50Hz	15.625	50.000	13.500	○	○	○
	480p	60Hz	31.469	59.940	27.000	○	○	○
	576p	50Hz	31.250	50.000	27.000	○	○	○
HD	720p	50Hz	37.500	50.000	27.000	○	○	○
		60Hz	45.000	60.000	74.250	○	○	○
	1080i	50Hz	28.125	50.000	74.250	○	○	○
		60Hz	33.716	60.000	74.250	○	○	○
	1080p	50Hz	56.250	50.000	148.500	○	○	○
		60Hz	67.500	60.000	148.500	○	○	○

\* ○ means supported timing.