# USER MANUAL

# ProLite

## LCD Monitor

ENGLISH

ProLite X3291HS

Thank you very much for choosing the iiyama LCD monitor.
We recommend that you take a few minutes to read carefully through this brief but comprehensive manual before installing and switching on the monitor. Please keep this manual in a safe place for your future reference.

# iiyama | Servicecard

**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**

## 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”, 2009/125/EC “ErP Directive” and 2011/65/EU “RoHS Directive”.

The electro-magnetic susceptibility has been chosen at a level that gives correct operation in residential areas, business and light industrial premises and small-scale enterprises, inside as well as outside of the buildings. All places of operation are characterised by their connection to the public low voltage power supply system.

IIYAMA CORPORATION: Wijkermeerstraat 8, 2131 HA Hoofddorp, The Netherlands

Model No. : PL3291



An approved power cord greater or equal to H05VVF, 3G, 0.75mm2 must be used.

For displays with glossy bezels the user should consider the placement of the display as the bezel may cause disturbing reflections from surrounding light and bright surfaces.

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.
- Eprel registration number X3291HS-B1 : 392116

ENGLISH

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# FOR YOUR SAFETY

## SAFETY PRECAUTIONS

### WARNING

#### STOP OPERATING THE MONITOR IF YOU ARE AWARE OF ANY PROBLEMS

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 10cm (or 4 inches) from any walls.
When removing the tilt stand, the ventilation slots on the back side of the monitor can be blocked. This may overheat the monitor and may cause fire or damage. Make sure to allow enough ventilation when removing the tilt stand. 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.

### CAREFUL! PROTECT YOUR HANDS AND FINGERS
- Be careful not to hurt your fingers or hands when you change the height or the angle.
- Injury can occur if care is not taken to avoid finger contact with the displays base when adjusting the height. (Just for height adjustable model.)

### REMARK FOR 24/7 USAGE
This product is not specifically designed for 24/7 usage in all environments.

## 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 can be recovered slowly by changing the image or turning off the Power Switch for some hours.



## 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 | Spray-type cleaner |
| Benzine | Wax |
| Abrasive cleaner | 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 SCREEN** Periodic cleaning with a soft dry cloth is recommended.
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 1000:1 (Typical), Adv. Contrast Function Available / Brightness 250cd/m$^2$ (Typical) / Quick Response Time 5ms (Gray to Gray)**
- **Blue Light Reducer**
- **Digital Character Smoothing**
- **Automatic Set-up**
- **Stereo Speakers**
  **2 × 3W Stereo Speakers**
- **Standby Feature (VESA DPMS Compliant)**
- **VESA Mounting Standard (100mm×100mm) Compliant**
- **Keyhole for Security Lock**



## 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 Signal Cable
- Audio Cable
- Stand-Base with a screw
- Cable Holder
- 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$^2$ must be used.

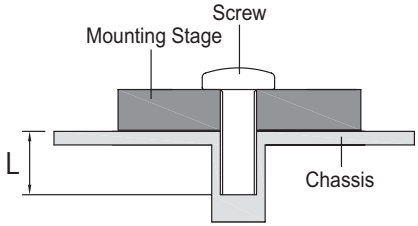
## INSTALLATION

**WARNING** ■ Before installation, make sure the wall, ceiling or desktop arm is strong enough to hold the necessary weight of the monitor and the mount.

### < WALL MOUNTING >

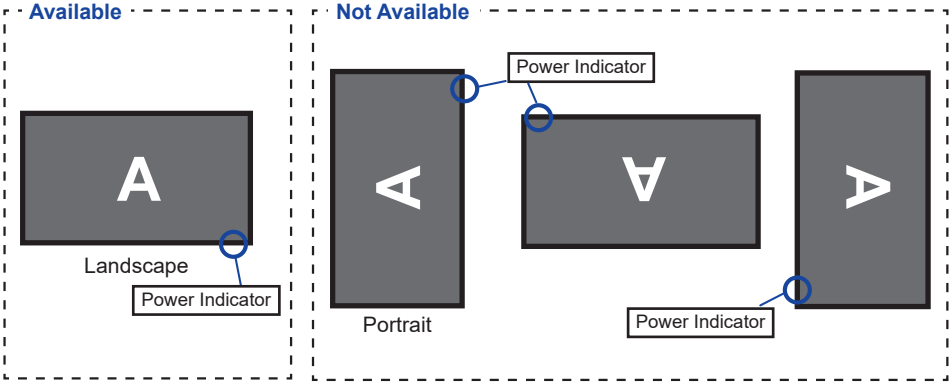
**WARNING** ■ When you use with the wall mounting, in consideration of thickness of the mounting stage, tighten the M4 Screws (4pcs) with washer which “L” length is 7mm to fasten the monitor. Using the screw longer than this may cause electric shock or damage because it may contact with the electrical parts inside the monitor.






### < ROTATING THE DISPLAY >

The monitor is designed to be compatible in landscape mode.



## FITTING AND REMOVAL OF BASE

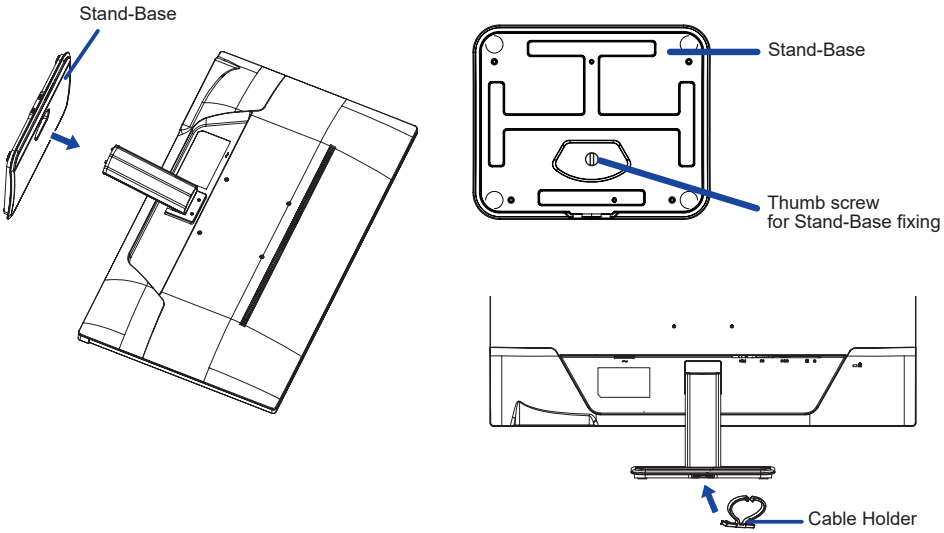
**CAUTION**

- Put the monitor on a stable surface. The monitor may cause injury or damage if it falls or is dropped.
- Do not give a strong impact to the monitor. It may cause damage.
- Unplug the monitor before removal or installation to avoid electric shock or damage.



**<Installation>**

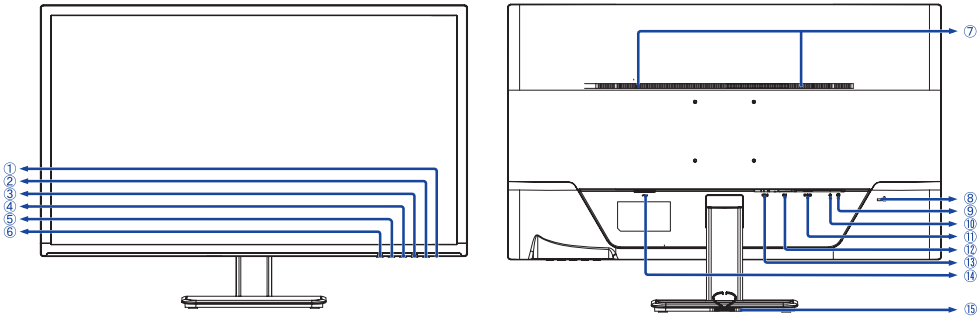
① Put a piece of soft cloth on the table beforehand to prevent the monitor from being scratched. Lay the monitor flat on a table with front face down.
② Install the Stand-Base to the Stand-Neck.
③ Use the 'thumb screw' provided to secure the Stand-Base to the monitor.
④ Place the Cable Holder.




**<Removal>**

① Put a piece of soft cloth on the table beforehand to prevent the monitor from being scratched. Lay the monitor flat on a table with front face down.
② Loosen the 'thumb screw' to remove the Stand-Base from the monitor.

## CONTROLS AND CONNECTORS




<Front> <Back>



① Power Indicator

**NOTE** Blue: Normal operation
Orange: Standby mode

② Power Switch ( ⏻ )

③ Menu Button (MENU)

④ + / Volume / Blue Light Reducer Button ( + )

⑤ - / ECO Button ( - )

⑥ Auto Button (AUTO)

⑦ Speakers

⑧ Keyhole for Security Lock

**NOTE** You can fasten a security lock and cable to prevent the monitor from being removed without your permission.

⑨ Audio Connector ( )

⑩ Headphone connector ( 🎧 )

⑪ VGA Connector (D-SUB)

⑫ DVI-D Connector (DVI)

⑬ HDMI Connector (HDMI)

⑭ AC Connector( ∼ : Alternating current) (∼)

⑮ Installation hole of Cable Holder

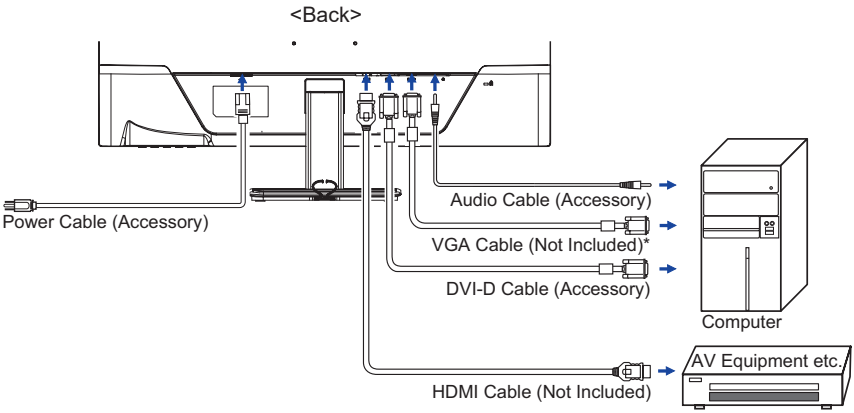
## CONNECTING YOUR MONITOR

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 monitor to the audio equipment with the Audio Cable for computer when using the audio features.
④ Connect the Power Cable to the monitor first and then to the power supply.
⑤ Turn on your monitor and computer.

**NOTE**

- Make sure that the building installation has a circuit breaker of 120/240V, 20A (maximum).
- 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.

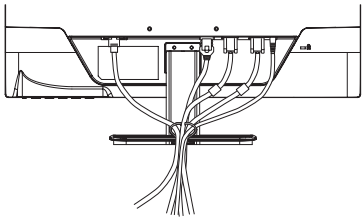
[Example of Connection]




* 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.

### [ Collect Cables ]

Put the cables through the cable holder to bundle them.

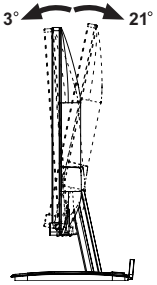


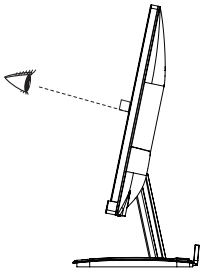
## COMPUTER SETTING

■ Signal Timing
Change to the desired signal timing listed on page 25: COMPLIANT TIMING.

## ADJUSTING THE VIEWING ANGLE

■ For optimal viewing it is recommended to look at the full face of the monitor.
■ Hold the stand so that the monitor does not topple when you change the monitor's angle.
■ You are able to adjust the monitor's angle up to 21° upward, 3° downward.
■ In order to ensure a healthy and relaxed body position when using the monitor at visual display workstations, it is recommended that the adjusted tilt angle should not exceed 10°. Adjust the monitor's angle to your own preference.



**NOTE**
■ Do not touch the LCD screen when you change the angle. It may cause damage or break the LCD screen.
■ Careful attention is required not to pinch your fingers or hands into the moving part of the stand when you change the angle.

# 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 25. You are also able to adjust the picture by following the button operation shown below. For more detailed adjustments, see page 18 for SCREEN ADJUSTMENTS.

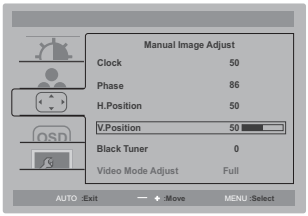
① **Press the MENU Button to start the On Screen Display feature. There are additional Menu items which can be switched by using the + / - Buttons.**

② **Select the Menu item which contains the adjustment icon relating to the adjustment you want to make. Press the MENU Button. Then, use the + / - Buttons to highlight the desired adjustment icon.**

③ **Press the MENU Button again. Use the + / - Buttons to make the appropriate adjustment or setting.**

④ **Press the AUTO Button 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 Manual Image Adjust and then press the MENU Button. Then, select V. Position by using the + / - Buttons.
An adjustment page appears after you press the MENU Button. Then, use the + / - Buttons to change the vertical position settings. The vertical position of the overall display should be changing accordingly while you are doing this.



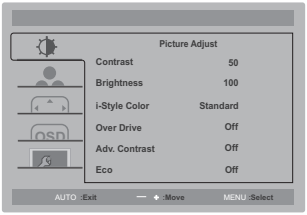

Press the AUTO Button lastly, it ends, all changes are saved in the memory.

**NOTE**

- When button operations are aborted during adjustment, On-Screen Display disappears when the time set for the OSD Timeout has passed. Also, the AUTO button can be used to return previous menu and turn off the On-Screen Display.
- 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.

# ADJUSTMENT MENU CONTENTS

## Picture Adjust




| Adjustment Item | Problem / Option | | Button to Press |
|---|---|---|---|
| Contrast*2 | Too dull<br>Too intense | | + / − |
| Brightness*1,2 | Too dark<br>Too bright | | + / − |
| i-Style Color*2 | Standard | For general windows environment and monitor default setting. | |
| | Text | For text editing and viewing in a word processing environment. | |
| | Internet | For internet environment. | |
| | Game | For PC game environment. | |
| | Movie | For movie and video environment. | |
| | Sports | For sport environment. | |
| Over Drive*3 | Off / -2 / -1 / 0 / +1 / +2<br>It will improve the gray level response time of the LCD panel.<br>A higher level results in a faster response time. | | + / − |
| Adv. Contrast*2 | Off | Typical Contrast Ratio | |
| | On | Increased Contrast Ratio | |
| **NOTE** Adv. Contrast adjusts brightness according to the image, and improve the contrast ratio during movie playing. | | | |
| Eco*2 **Direct** | Off | Normal | |
| | Mode1 | Brightness of back-light is reduced. | |
| | Mode2 | Brightness of back-light is reduced more than Mode1. | |
| | Mode3 | Brightness of back-light is reduced more than Mode2. | |

*1 Adjust the Brightness when you are using the monitor in a dark room and feel the screen is too bright.

*2 Adjustable / settable items depend on which item is activated. See page 17 Function Correlation Matrix for more details.

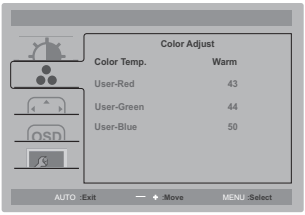
*3 Over Drive is disabled when "Dot by Dot" of Video Mode Adjust is activated.
When Over Drive is activated, some level of image retention will be caused.

## Direct

You can skip the Menu items and directly display an option setting screen by using the following button operations.

- Eco: Press the - Button when the Menu is not displayed.

## Color Adjust*

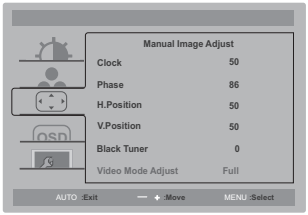



| Adjustment Item | Problem / Option | | Button to Press |
|---|---|---|---|
| Color Temp. | Warm | Warm color | |
| | Normal | Normal color | |
| | Cool | Cool color | |
| | sRGB | sRGB | |
| | User | User-Red | Too weak (+) |
| | | User-Green | Too strong (−) |
| | | User-Blue | |

**NOTE** sRGB is an international standard which defines and unifies the difference of color appearance between equipment.

* Adjustable / settable items depend on which item is activated. See page 17 Function Correlation Matrix for more details.

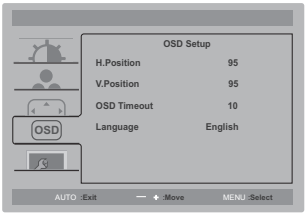
## Manual Image Adjust




| Adjustment Item | Problem / Option | | Button to Press |
|---|---|---|---|
| Clock*[1,2] | Too narrow<br>Too wide | | + / − |
| Phase*[1,2] | To correct flickering text or lines | | + / − |
| H. Position*[2] | Too left<br>Too right | | + / − |
| V. Position*[2] | Too low<br>Too high | | + / − |
| Black Tuner*[3] | From -5 to +5<br>You can adjust Dark shades. | | + / − |
| Video Mode Adjust | Full | Expansion display | |
| | Aspect | Expansion display of Aspect | |
| | Dot by Dot | Display the picture dot by dot | |

*1 See page 18 for SCREEN ADJUSTMENTS.
*2 Only Analog Input.
*3 Adjustable / settable items depend on which item is activated. See page 17 Function Correlation Matrix for more details.

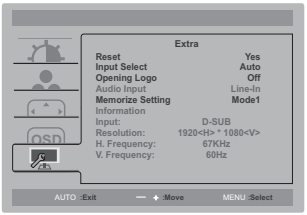
## OSD Setup




| Adjustment Item | Problem / Option | Button to Press |
|---|---|---|
| H.Position | OSD is too left<br>OSD is too right | + / − |
| V.Position | OSD is too low<br>OSD is too high | + / − |
| OSD Timeout | You can set the OSD display duration time between 5 and 100 seconds. | + / − |

| Language | | | | |
|---|---|---|---|---|
| | English | English | 简体中文 | Simplified Chinese |
| | Deutsch | German | Nederlands | Dutch |
| | Français | French | Italiano | Italian |
| | Polski | Polish | 日本語 | Japanese |
| | Русский | Russian | | |

## Extra




| Adjustment Item | Problem / Option | Button to Press |
|---|---|---|
| Reset | Yes | Factory-preset data is restored. |
| | No | Return to Menu. |
| Input Select **Direct** | Auto | Select the signal input automatically. |
| | D-SUB | Select the Analog input. |
| | DVI | Select the Digital (DVI) input. |
| | HDMI | Select the Digital (HDMI) input. |
| **NOTE** At selected the AUTO, it will automatically be selected when just one source is available. If there are more input sources available and you select one of them, the AUTO option is not available. If multiple inputs are connected, the monitor may not recover the last one used after turning it off and on again. It is only possible when you set a specific source. | | |
| Opening Logo | Off | iiyama Logo does not display when the monitor is turned on. |
| | On | iiyama Logo displayed when the monitor is turned on. |
| Audio Input*1 | Line-In | Select the Line-In input. |
| | HDMI | Select the HDMI input. |
| Memorize Setting*2 | Mode1 | Save the settings of the screen adjustment. |
| | Mode2 | Save the settings of the screen adjustment. |
| | Mode3 | Save the settings of the screen adjustment. |
| **NOTE** You can memorize your customized monitor settings. The following settings can be memorized: Contrast, Brightness, Over Drive, Adv. Contrast, Eco, Volume, Mute, Color Temp., Black Tuner and Video Mode Adjust | | |
| Information | Displays information regarding the current input signal coming from the graphic card in your computer. **NOTE** See your graphic card user guide for more information about changing the resolution and refresh. | |

*1 Suitable for HDMI input only.

*2 **Saving and recalling settings**

- Select a Mode in which you want to save the OSD settings. After making the settings, exit the OSD operation. The settings are automatically saved in the selected mode when the OSD menu disappears.
- To recall the saved settings, select your desired Mode. If you change the settings in the selected mode again and exit the OSD operation, they are overwritten and saved automatically.

**Direct** You can skip the Menu items and directly display an option setting screen or an adjustment scale by using the following button operations.

- Input Select: Press the AUTO button when the Menu is not displayed, it shows following Menu.
  You can then select input source press the AUTO button and press the MENU button.

- Volume: Press the + Button when the Menu is not displayed.

| Adjustment Item | Problem / Option | Button to Press |
|---|---|---|
| Volume | Too soft<br>Too loud | +<br>− |

- Mute: Pressing and holding the + Button for 3-4 seconds when the Menu is not displayed.
  Off : Return the sound volume to the previous level.
  On : Turn off the sound temporarily.

- Auto Adjust: Pressing and holding the Auto Button for 3-4 seconds when the Menu is not displayed.

Only Analog Input

| Adjustment Item | Problem / Option |
|---|---|
| Auto Adjust * | Adjust H. / V. Position, Clock and Phase automatically. |

* For best results, use the Auto Adjust in conjunction with the adjustment pattern. See page 18 for SCREEN ADJUSTMENTS.

- Blue Light Reducer * : Pressing and holding the - Button for 3-4 seconds when the Menu is not displayed.
  Off : Normal
  Mode1 : Blue light is reduced.
  Mode2 : Blue light is reduced more than Mode1.
  Mode3 : Blue light is reduced more than Mode2.

* Adjustable / settable items depend on which item is activated. See page 17 Function Correlation Matrix for more details.

● Lock Mode:

**<OSD>**

Hold the MENU button and turn on the monitor when the monitor is power-off, it will lock/unlock the OSD Key Lock function.

**<Power/OSD>**

Pressing and holding the MENU button for 10 seconds when Menu is not displayed, will lock/unlock the Power/OSD Key Lock function.



## ■ Function Correlation M–atrix

| | | Item to be selected | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | i-Style Color | Adv. Contrast | Eco | Color Temp. | Blue Light Reducer | Black Tuner | Brightness | Contrast |
| Item activated | i-Style Color | | – | – | ✓ | – | ✓ | – | – |
| | Adv. Contrast | – | | – | – | – | – | – | – |
| | Eco | ✓ | ✓ | | ✓ | ✓ | ✓ | – | ✓ |
| | Color Temp. (sRGB) | – | – | – | | – | – | – | – |
| | Blue Light Reducer | – | ✓ | ✓ | – | | ✓ | ✓ | ✓ |

✓ : Available

– : Not available

## 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 Image Adjust depending on the resolution or signal timing.
- The Auto Image Adjust may not work correctly when displaying the picture other than the screen adjustment pattern. In this case, manual adjustments are required.

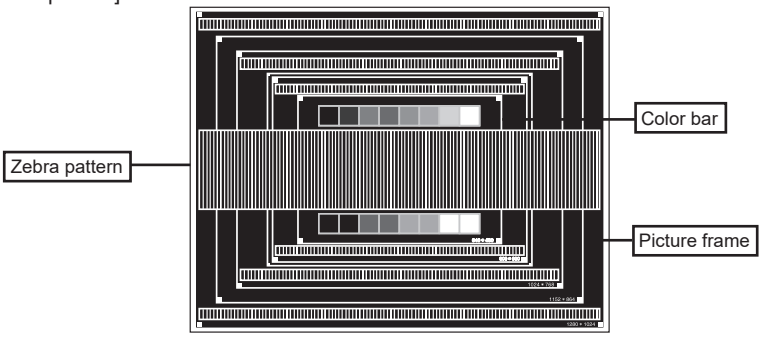
There are two ways to adjust the screen. One way is automatic adjustment for Position, Clock and Phase. The other way is performing each adjustment manually.
Perform the Auto Image Adjust first when the monitor is connected to a new computer, or resolution is changed. If the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto Image 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.
- Set the display position to center in the wallpaper setting dialogue box.

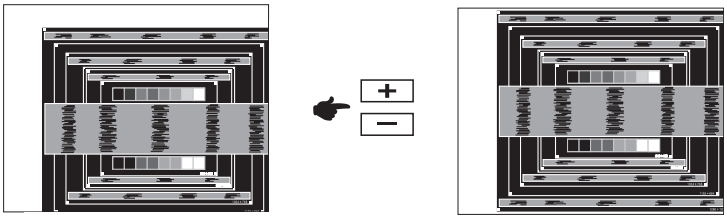
[Adjustment pattern]



③ **Pressing and holding the AUTO Button for about 3-4 seconds. (Auto Adjust)**

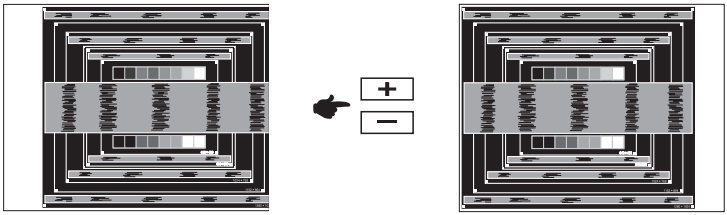
④ **Adjust the image manually by following procedure below when the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto Image Adjust.**

⑤ **Adjust the V.Position so that the top and bottom of the picture frame will fit to the display area.**

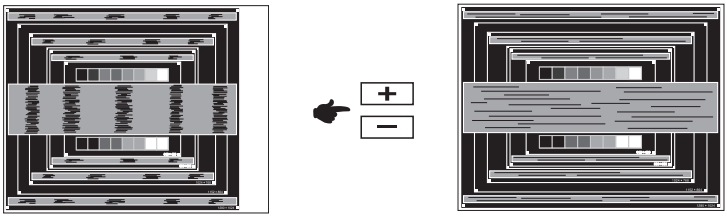




⑥ **1) Adjust the H.Position so that the left side of the picture frame will move to the left edge of the display area.**



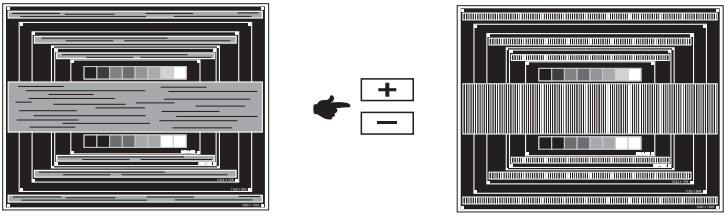
**2) Stretch the right side of the picture frame to the right edge of the display area by adjusting the Clock.**



**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 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.**

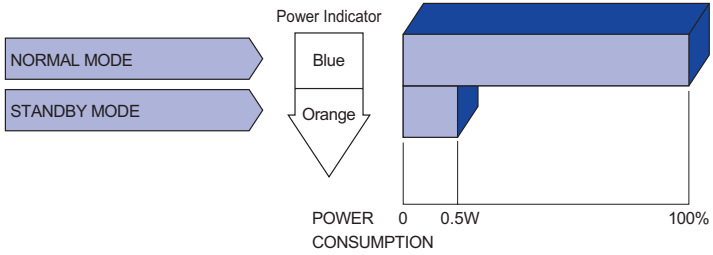
## STANDBY FEATURE

The standby 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 standby step the monitor takes as described below. The standby function, including any timer settings is configured by the operating system. Check your operating system manual for information on how this can be configured.

■ **Standby Mode**

When the video signal from the computer is off, the monitor enters into Standby Mode which reduces the power consumption to less than 0.5W. The screen becomes dark, and the power indicator turns to orange. From Standby Mode, the image reappears in several seconds when either the keyboard or the mouse are touched again.




**NOTE** Even when using the standby 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.

# 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.) | ☐ The Power Cable is firmly seated in the socket.<br>☐ The Power Switch is turned ON.<br>☐ The AC socket is live. Please check with another piece of equipment. |
| (Power indicator is blue.) | ☐ If the blank screen saver is in active mode, touch the keyboard or the mouse.<br>☐ Increase the Contrast and/or Brightness.<br>☐ The computer is ON.<br>☐ The Signal Cable is properly connected.<br>☐ The signal timing of the computer is within the specification of the monitor. |
| (Power indicator is orange.) | ☐ If the monitor is in standby mode, touch the keyboard or the mouse.<br>☐ The computer is ON.<br>☐ The Signal Cable is properly connected.<br>☐ The signal timing of the computer is within the specification of the monitor. |
| ② The screen is not synchronized. | ☐ The Signal Cable is properly connected.<br>☐ The signal timing of the computer is within the specification of the monitor. |
| ③ The screen position is not in the center. | ☐ The signal timing of the computer is within the specification of the monitor. |
| ④ The screen is too bright or too dark. | ☐ The video output level of the computer is within the specification of the monitor. |
| ⑤ The screen is shaking. | ☐ The power voltage is within the specification of the monitor.<br>☐ The signal timing of the computer is within the specification of the monitor. |

| Problem | Check |
|---|---|
| ⑥ No sound. | ☐ The audio equipment (computer etc.) is ON.<br>☐ The Audio Cable is properly connected.<br>☐ The Volume is turned up.<br>☐ The audio output level of the audio equipment is within the specification of the monitor. |
| ⑦ The sound is too loud or too quiet. | ☐ The audio output level of the audio equipment is within the specification of the monitor. |
| ⑧ A strange noise is heard. | ☐ 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 for monitor recycling.

# APPENDIX

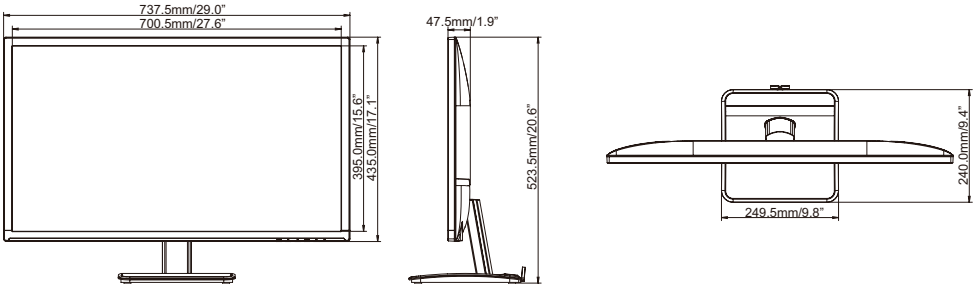
Design and specifications are subject to change without prior notice.

## SPECIFICATIONS

| | | |
|---|---|---|
| Size Category | | 31.5" |
| LCD Panel | Panel technology | IPS |
| | Size | Diagonal: 31.5" (80.1cm) |
| | Pixel pitch | 0.363mm H × 0.363mm V |
| | Brightness | 250cd/m$^2$ (Typical) |
| | Contrast ratio | 1000 : 1 (Typical), Adv. Contrast Function Available |
| | Viewable angle | Right / Left / Up / Down: 89° each (Typical) |
| | Response time | 5ms (Gray to Gray) |
| Display Colors | | Approx.16.7M |
| Sync Frequency | | Analog: Horizontal: 30.0-80.0kHz, Vertical: 56-75Hz<br>Digital: Horizontal: 30.0-80.0kHz, Vertical: 56-75Hz |
| Native Resolution | | 1920 × 1080, 2.1 MegaPixels |
| Supported max. resolution | | VGA : 1920 × 1080 60Hz<br>DVI : 1920 × 1080 60Hz<br>HDMI : 1920 × 1080 60Hz |
| Input Connector | | VGA, DVI-D, HDMI |
| Plug & Play | | VESA DDC2B™ |
| Input Sync Signal | | Separate sync: TTL, Positive or Negative |
| Input Video Signal | | Analog: 0.7Vp-p (Standard), 75Ω, Positive<br>Digital: DVI (Digital Visual Interface Standard Rev.1.0) compliance<br>Digital: HDMI |
| Input Audio Connector | | ø 3.5mm mini jack (Stereo) |
| Input Audio Signal | | 1.0Vrms maximum |
| Speakers | | 3W × 2 (Stereo speakers) |
| Maximum Screen Size | | 698.4mm W × 392.9mm H / 27.5" W × 15.5" H |
| Power Source | | 100-240VAC, 50/60Hz, 1.5A |
| Power Consumption* | | 36W typical, Standby mode: 0.5W maximum |
| Dimensions / Net Weight | | 737.5 × 523.5 × 240.0mm / 29.0 × 20.6 × 9.4" (W×H×D)<br>7.0kg / 15.4lbs |
| Tilt Angle | | Upward: 21°, Downward: 3° |
| Environmental Considerations | | Operating: Temperature 5 to 35°C / 41 to 95°F<br>Humidity 10 to 80% (No condensation)<br>Storage: Temperature -20 to 60°C / -4 to 140°F<br>Humidity 5 to 85% (No condensation) |
| Approvals | | CE, UKCA, TÜV-Bauart, VCCI, PSE |

**NOTE** * Audio equipment is not connected.

## DIMENSIONS






## COMPLIANT TIMING

| Video Mode | Horizontal Frequency | Vertical Frequency | Dot Clock | |
|---|---|---|---|---|
| 640 × 480 | 31.469kHz | 59.940Hz | 25.175MHz | |
| | 37.500kHz | 75.000Hz | 31.500MHz | |
| 800 × 600 | 35.156kHz | 56.250Hz | 36.000MHz | |
| | 37.879kHz | 60.317Hz | 40.000MHz | |
| | 46.875kHz | 75.000Hz | 49.500MHz | |
| 1024 × 768 | 48.363kHz | 60.004Hz | 65.000MHz | |
| | 56.476kHz | 70.069Hz | 75.000MHz | |
| | 60.023kHz | 75.029Hz | 78.750MHz | |
| 1280 × 1024 | 63.981kHz | 60.020Hz | 108.000MHz | |
| | 79.976kHz | 75.025Hz | 135.000MHz | |
| 1440 × 900 | 55.935kHz | 59.887Hz | 106.500MHz | |
| 1680 × 1050 | 65.290kHz | 60.000Hz | 146.250MHz | |
| 1920 × 1080 | 66.590kHz | 59.930Hz | 138.500MHz | |
| 640 × 480 | 35.000kHz | 66.667Hz | 30.240MHz | * |
| 1024 × 768 | 60.150kHz | 74.720Hz | 80.000MHz | * |

**NOTE** * Digital input is not compliant.