USER MANUAL

ProLite

LCD Monitor

ProLite TF3222MC

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.

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

I if the power cable is connected securely and turned on?

I if the display has been turned on?

I if the signal cable is connected securely and the correct input selected?

I if the computer has been restarted with the display connected?

I if the graphics card is correctly installed with the latest drivers possible?

I if the correct native resolution has been selected via 'Display Properties'?

I if the R/G/B signal configuration is correct?

I if the displays On Screen Menu is shown?

I if the correct brightness and contrast settings have been set?

I if given display tolerances and compatibility have been considered?

I if via the On Screen Menu you have performed a Factory Reset/Recall?

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

I model number *

I purchase receipt and serial number *

I name and address for collection

I telephone/fax number, for availability during the day

I convenient collection date (date, time)

I 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.

VALUE FOR MONEY

Get more for less · Get more for less · Get more for less · Get more for less · Get more for less

AWARD-WINNER

Tested and approved · Tested and approved · Tested and approved · Tested and approved

CE MARKING DECLARATION OF CONFORMITY

This LCD monitor complies with the requirements of the EC/EU Directive 2004/108/EC "EMC Directive", 2006/95/EC "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. : PL3222

ENGLISH

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.

TABLE OF CONTENTS

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.

ENGLISH

ENGLISH

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

DO NOT PLACE THE MONITOR IN A HAZARDOUS POSITION
The monitor may topple and cause injury if not suitably located. Please also ensure that you do not place any heavy objects on the monitor, and that all cables are routed such that children may not pull the cables and possibly cause injury.

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

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

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

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

DO NOT TOUCH THE PLUG WITH WET HANDS
Pulling or inserting the plug with wet hands may cause electric shock.

WHEN YOU INSTALL THE MONITOR ON YOUR COMPUTER
Be sure the computer is strong enough to hold the weight of the monitor, otherwise, you may damage your computer.

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 is recovered slowly by changing the image or turning off the Power Switch for 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.

NOTE ■ To protect the Touch screen surface, 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 Touch screen surface.

Abrasive cleaner   Wax   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.

TOUCH SCREEN Touch screen surface may be cleaned using a soft clean cloth moistened with mild window glass commercial cleaners or 50/50 mixture of water and isopropyl alcohol.

BEFORE YOU OPERATE THE MONITOR

FEATURES

◆ **Supports Resolutions up to 1920 × 1080**

◆ **High Contrast 3000:1 (Typical) / Brightness 500cd/m^2 (Typical : without Touch panel)**

◆ **Digital Character Smoothing**

◆ **Automatic Set-up**

◆ **Plug & Play VESA DDC2B Compliant Windows® Vista/7/8/8.1/10 Compliant**

◆ **Power Management (VESA DPMS Compliant)**

◆ **VESA Mounting Standard (200mm×200mm) Compliant**

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*
- VGA(D-sub) Signal Cable
- USB Cable
- 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.

CONTROLS AND CONNECTORS

Remote Control OSD Key*

<Front>   <Back>
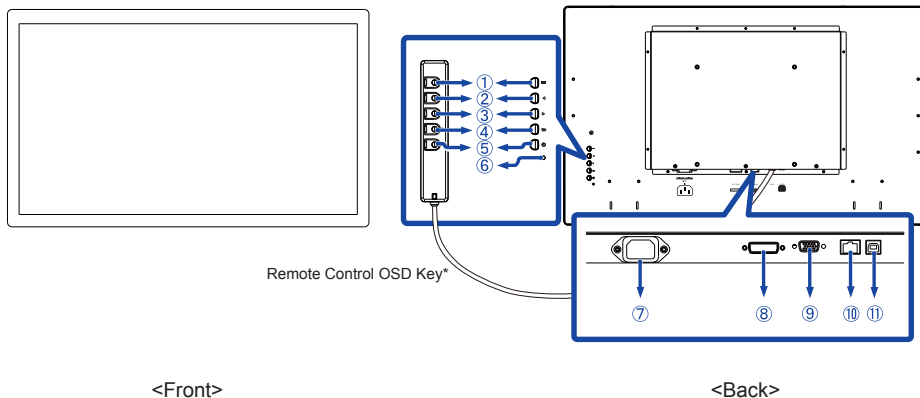
① Menu Button (≡)

② Up / Left (◀)

③ Down / Right Button (▶)

④ Return / Exit / Input Button (⟲)

⑤ Power Switch (⏻)

⑥ Power Indicator

   NOTE   Green light: Normal operation
          Green flashing: Power Management

⑦ AC Connector(～ : Alternating current) (IN)

⑧ DVI-D 24pin Connector (DVI-D IN)

⑨ VGA(D-sub) mini 15pin Connector (VGA IN)

⑩ Remote Control OSD Key Connector (RJ45) *

⑪ USB Connector (USB)

* Remote Control OSD key is optional.

SPECIAL NOTES ON TOUCH PANEL

Permanent damage can occur if Sharp Edged, Pointed or Metal items are used to activate Touch. This could invalidate any remaining warranty.

We recommend to use a plastic stylus (tip R0.8 or over) or finger.

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 display and the mount.

[WALL MOUNTING]

Mounting Stage   Screw

L

Chassis
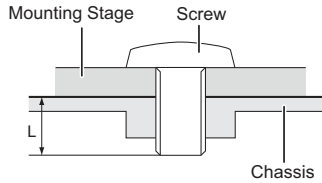
CAUTION

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 8mm 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 DISPLAY]

It is designed to be compatible in both landscape and portrait modes, however, it is optimized for landscape mode.

Available

Landscape

Portrait

Not Available

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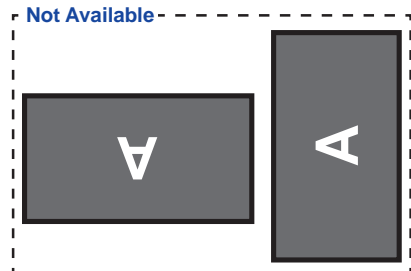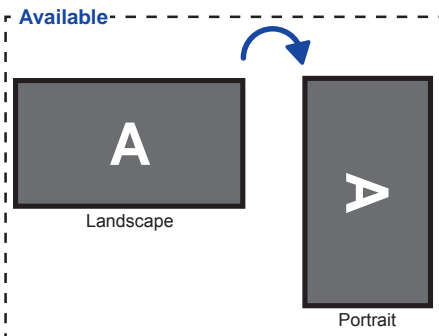
CONNECTING YOUR MONITOR

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 computer to the monitor with the USB Cable.

④ Connect the monitor cable to the Remote Control OSD key (option), if necessary.

⑤ Connect the Power Cable to the monitor first and then to the power supply.

⑥ Turn on your monitor 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.

[Example of Connection]

<Back>

Power Cable (Accessory)

Remote Control OSD Key (option)

USB Cable (Accessory)

VGA(D-sub) Signal Cable (Accessory)

DVI-D Signal Cable* (Not included)
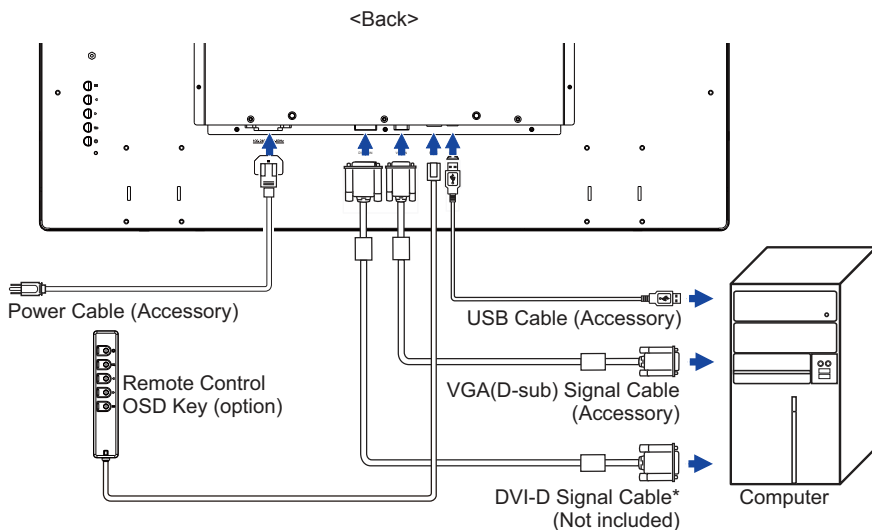
Computer

* DVI cable is not supplied with the monitor; you need to use a special DVI cable dedicated for this model. Please contact the iiyama Support Centre in your country if you wish to connect the monitor via the DVI input.

ENGLISH

COMPUTER SETTING

■ Signal Timing

Change to the desired signal timing listed on page 23: COMPLIANT TIMING.

■ Windows 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 Vista/7/8/8.1/10 by connecting the monitor to DDC2B compliant computer with the Signal Cable supplied.

| NOTE | ■ For additional information on how to download the driver for your touch screen monitor, please access the internet site noted above. |

■ Procedure for turning ON the Power Switch

Turn ON the monitor first, and then the computer.

■ Touch screen driver software

Touch screen driver software and system may not start when you start your computer while touching he screen.

Touch screen driver software may not run due to the power saving function depending on the BIOS of your computer. In this case, set the power saving function to off.

■ TOUCH support operation system

Microsoft Windows 7 (64 bit and 32 bit)

Microsoft Windows 8/8.1/10 (64 bit and 32 bit)

Linux (Kernel3.4 and later version) & above   Not support earlier versions.

	Windows8/8.1/10	Windows7*5	Windows7*4
Default mouse*1	◯	◯	◯
Touch digitizer*2	◯	◯	◯
Windows7 gestures*3	◯	◯	✕

	Linux
Default mouse*1	◯
Touch digitizer*2	✕
Windows7 gestures*3	✕

*1 Default mouse (click, drag, double-click and right-click)

*2 Touch digitizer (click, drag /selection, double-click, right-click, flick and visual feedback)

*3 Digitizer with Windows7 touch gestures

*4 Windows 7 - Starter and Home Basic version

*5 Windows 7 - Home Premium, Professional, Enterprise and Ultimate versions

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 23. You are also able to adjust the picture by following the button operation shown below. For more detailed adjustments, see page 16 for SCREEN ADJUSTMENTS.

① **Press the ☰ 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. Use the ☰ Button to highlight the desired adjustment icon.**

③ **Use the ◀ / ▶ Buttons to make the appropriate adjustment or setting.**

④ **Press the ⇲ 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 [icon] . Then, select V. Position by using the ☰ Button.

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 ☰ Button again.
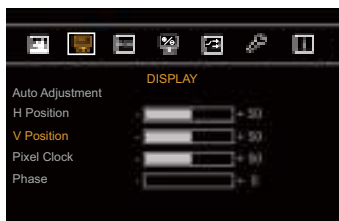
Press the ⇲ Button lastly, it ends, any changes are saved in the memory.

■ When button operations are aborted during adjustment, On-Screen Display disappears when the time set for the OSD Time has passed.
■ ⇲ button can be used to return previous menu item.
■ Any changes are automatically saved in the memory when the On Screen Display disappears. Turning off the power should be avoided while using the Menu.
■ Adjustments for H/V Position, Pixel 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.

ENGLISH

Direct

● LOCK MODE:

Pressing and holding of the ⇆ Button for 3 - 5 seconds when the Menu is not displayed.

* The OSD menu is not displayed when the OSD is locked. Pressing and holding of the ⇆ Button for 3 - 5 seconds again when the Menu is not displayed.

The following OSD menu is displayed.

Adjustment Item	Problem / Option	
POWER-key Lock	LOCK	The POWER SWITCH is Locked.
	UNLOCK	The POWER SWITCH is Unlocked.
OSD-key Lock	LOCK	The OSD menu is Locked.
	UNLOCK	The OSD menu is Unlocked.

ENGLISH

ADJUSTMENT MENU CONTENTS

	PICTURE	

PICTURE

Backlight
Brightness
Contrast
Sharpness

Adjustment Item	Problem / Option	Button to Press
Backlight	Too dark	◄
	Too bright	►
Brightness *	Too dark	◄
	Too bright	►
Contrast	Too dull	◄
	Too intense	►
Sharpness	0 1 2 3 4 You can change the picture quality from 0 to 4 (soft to sharp). Press the ► Button to change the picture quality in numerical order. Press the ◄ Button to change the picture quality in reverse numerical order.	◄ ►

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

DISPLAY

DISPLAY

Auto Adjustment
H Position
V Position
Pixel Clock
Phase

Adjustment Item	Problem / Option	Button to Press
Auto Adjustment *1	Adjust H/V Position, Pixel Clock and Phase automatically.	
H Position	Too left Too right	
V Position	Too low Too high	
Pixel Clock *2	Too narrow Too wide	
Phase *2	To correct flickering text or lines	

*1 For best results, use the Auto Adjust in conjunction with the adjustment pattern. See page 16 for SCREEN ADJUSTMENTS.

*2 See page 16 for SCREEN ADJUSTMENTS.

COLOR

COLOR

Color Temp | User Preset
Picture Mode | Standard
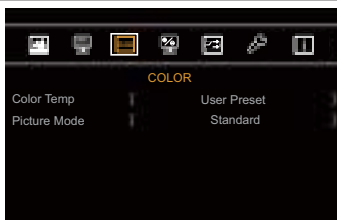
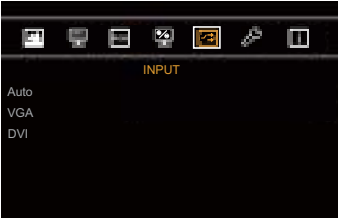| Adjustment Item	Problem / Option		Button to Press
Color Temp	9300	Bluish white	
	7500	Greenish white	
	6500	Yellowish white	
	5500	Reddish white	
	User Preset	Red	Too weak
		Green	
		Blue	Too strong
Picture Mode	Standard	Typical	
	Low Blue Light	Blue light is reduced.	

ADVANCE

ADVANCE

Aspect | Full
Image Retention | Off
OSD Rotation | [Off]
Opening logo | [On]
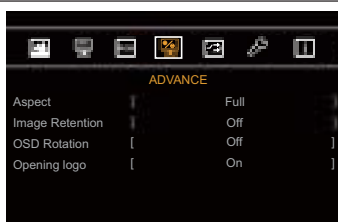
Adjustment Item	Problem / Option		Button to Press
Aspect	Full	Enlarge the picture to fill the screen.	
	Original	Change to the original aspect ratio.	
Image Retention	On	Automatically displays swift moving patterns every 1 second to prevent image retention on the screen.	
	Off	Image Retention is turned off.	
OSD Rotation	On	Rotate OSD counterclockwise 90 degrees.	
	Off	OSD Rotation is turned off.	
Opening logo	On	iiyama Logo displayed when the monitor is turned on.	
	Off	iiyama Logo does not display when the monitor is turned on.	

ENGLISH

INPUT			

INPUT

Auto
VGA
DVI

Adjustment Item		Problem / Option	Button to Press
Input **Direct**	Auto	Select the signal input automatically.	
	VGA	Select the analog input.	
	DVI	Select the digital(DVI) input.	

NOTE When only one of the three signal inputs is connected to the signal source, the one connected is automatically selected. Input Source function is not available if there is no signal input from the selected connector or during the power management mode.

Direct

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

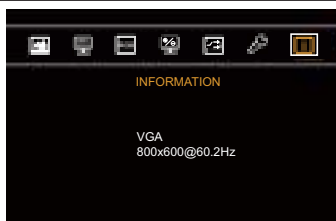● Input: Press the ⇆ Button when the Menu is not displayed.

OTHER

Adjustment Item	Problem / Option			Button to Press
Reset	Factory-preset data is restored.			
OSD Time	You can set the OSD display duration time between 5 and 60 seconds.			◀ ▶
OSD H Position	OSD is too left OSD is too right			◀ ▶
OSD V Position	OSD is too low OSD is too high			◀ ▶
Language	English	English	Español	Spanish
	Français	French	Nederlands	Dutch
	Deutsch	German	Polski	Polish
	Italiano	Italian	Русский	Russian

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.

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 H/V. Position, Pixel Clock and Phase. The other way is performing each adjustment manually.

Perform the Auto Adjust first when the monitor is connected to a new computer, or resolution is changed. If the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto Adjust, manual adjustments are required. Both adjustments should be made by using the screen adjustment pattern (Test.bmp) obtained via the IIYAMA web site (http://www.iiyama. com).
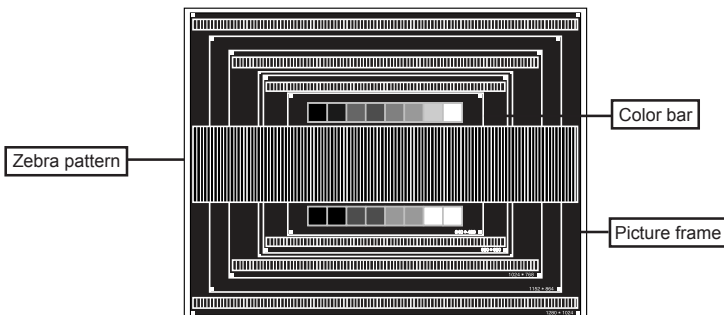
Adjust the image by following the procedure below to get the desired picture.
This manual explains adjustment under Windows OS.

① **Display the picture at the optimum resolution.**

② **Enter the Test.bmp (screen adjustment pattern) to wallpaper.**

> **NOTE**
> - Consult the appropriate documentation for doing this.
> - Test.bmp is made at resolution of 1280 × 1024. Set the display position to center in the wallpaper setting dialogue box. If you use Microsoft® PLUS! 95/98 cancel the setting of "Stretch desktop wallpaper to fit the screen".

[Adjustment pattern]

Color bar

Zebra pattern

Picture frame

③ **Press the ◀ Button. (Auto Adjustmnet)**

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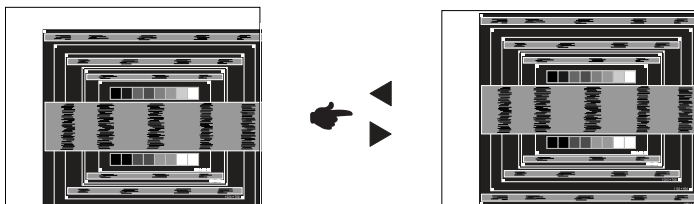
⑥ **1) Adjust the H Position so that the left side of the picture frame will move to the left edge of the display area.**
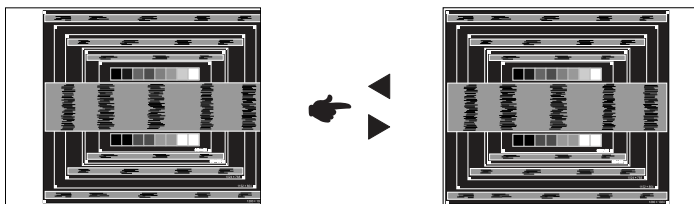

2) Stretch the right side of the picture frame to the right edge of the display area by adjusting the Pixel Clock.
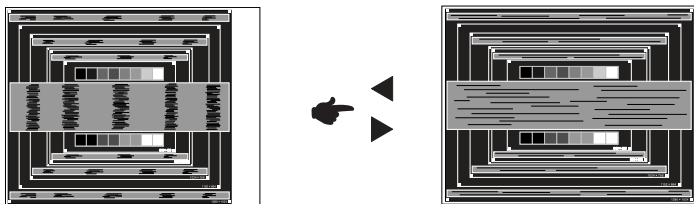
NOTE
- When the left side of the picture frame moves apart from the left edge of the display area during the Pixel Clock adjustment, adjust steps 1) and 2).
- Another way to make the Pixel Clock adjustment is to correct the vertical wavy lines in the zebra pattern.
- The picture may flicker during the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

⑦ **Adjust the Phase to correct horizontal wavy noise, flicker or blur in the zebra pattern.**
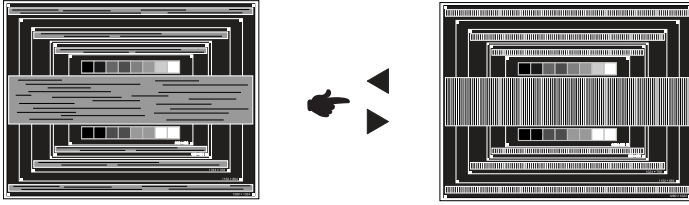
NOTE	■ In case the strong flicker or blurs remain on a part of the screen, repeat steps ⑥ and ⑦ because the Pixel Clock may not be adjusted correctly. If the flicker or blurs still remain, set the refresh rate of computer to low (60Hz) and repeat steps from ③ again.

■ 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 Pixel Clockand 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 1.5W. The screen becomes dark. From Power Management Mode, the image reappears in several seconds when either the keyboard or the mouse are touched again.

NORMAL MODE

POWER MANAGEMENT MODE

POWER CONSUMPTION   0   1.5W   100%
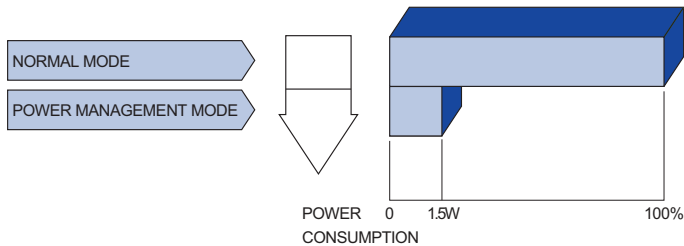
NOTE	■ Even when using the power management mode, the monitor consumes electricity. Turn off the Power Switch whenever the monitor is not in use, during the night and weekends, to avoid unnecessary power consumption.
	■ It is possible that the video signal from the computer may be on while the H or V 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.	☐ The Power Cable is firmly seated in the socket. ☐ The Power Switch is turned ON. ☐ The AC socket is live. Please check with another piece of equipment. ☐ If the blank screen saver is in active mode, touch the keyboard or the mouse. ☐ Increase the Contrast and/or Brightness. ☐ The computer is ON. ☐ The Signal Cable is properly connected. ☐ The signal timing of the computer is within the specification of the monitor. ☐ If the monitor is in power management mode, touch the keyboard or the mouse.
② The screen is not synchronized.	☐ The Signal Cable is properly connected. ☐ The signal timing of the computer is within the specification of the monitor. ☐ The video output level 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. ☐ The signal timing of the computer is within the specification of the monitor.
⑥ The touch screen shows no response.	☐ The USB Cable is firmly seated in the socket. ☐ Touch screen driver software is installed.
⑦ The touch position does not deviate.	☐ The calibration function set up correctly.

RECYCLING INFORMATION

For better environment protection please don't dispose your monitor.
Please visit our web site: www.iiyama.com/recycle for monitor recycling.

APPENDIX

Design and specifications are subject to change without prior notice.

SPECIFICATIONS

Touch Screen	Technology	Projected capacitive 10pt touch
	Light transmission	85%
	Communication system	USB serial transfer
Size Category		32"
LCD Panel	Driving system	a-Si TFT Active Matrix
	Size	Diagonal: 31.5" (80cm)
	Pixel pitch	0.364mm H × 0.364mm V
	Brightness	500cd/m^2 (Typical: without Touch panel), 425cd/m^2 (Typical: with Touch panel)
	Contrast ratio	3000 : 1 (Typical)
	Viewable angle	Horizontal : 178 degrees, Vertical: 178 degrees (Typical)
	Response time	8ms (Gray to Gray)
Display Colors		Approx.16.7M
Sync Frequency		Horizontal: 31.47-67.50kHz, Vertical: 47-63Hz
Maximum Resolution		1920 × 1080, 2.1 MegaPixels
Input Connector		VGA(D-sub) mini 15 pin, DVI-D 24 pin
Plug & Play		VESA DDC2B^{TM}
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
Maximum Screen Size		698.4mm W × 392.8mm H / 27.5" W × 15.5" H
Power Source		100-240VAC, 50/60Hz, 1.2A
Power Consumption*		48W typical, Power management mode: 1.5W maximum
Dimensions / Net Weight		748.5 × 450.0 × 62.0mm / 29.5 × 17.7 × 2.4" (W×H×D) 12.5kg / 27.5lbs

Environmental Considerations		Operating: Temperature 0 to 40°C / 32 to 104°F
		                    Humidity 10 to 80% (No condensation)
		Storage: Temperature -20 to 60°C / -4 to 140°F
		                    Humidity 10 to 90% (No condensation)

Approvals		CE, TÜV-Bauart, CU, cULus

NOTE   * USB peripherals is not connected.

DIMENSIONS
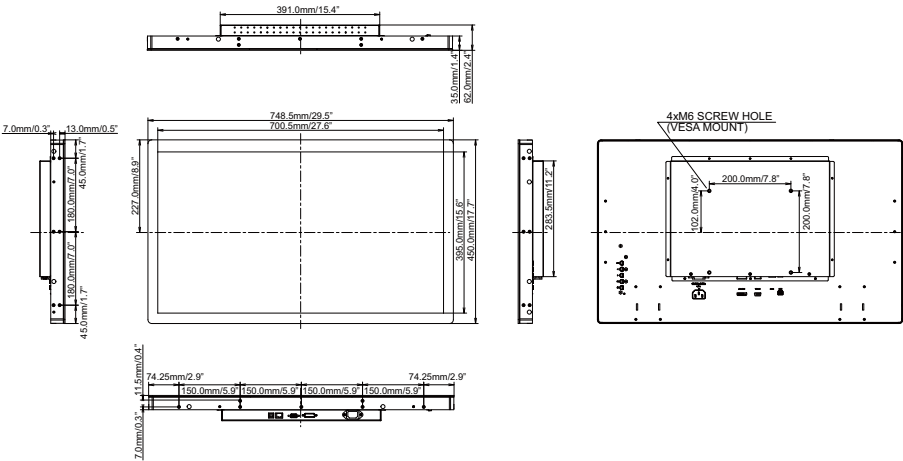
COMPLIANT TIMING

Video Mode			Horizontal Frequency	Vertical Frequency	Dot Clock
VESA	VGA	640 × 480	31.469kHz	59.940Hz	25.175MHz
		720 × 400	31.467kHz	70.080Hz	28.320MHz
	SVGA	800 × 600	37.879kHz	60.317Hz	40.000MHz
	XGA	1024 × 768	48.363kHz	60.004Hz	65.000MHz
		1280 × 720	44.720kHz	60.000Hz	74.500MHz
		1280 × 768	47.776kHz	59.870Hz	79.500MHz
	SXGA	1280 × 1024	63.981kHz	60.020Hz	108.000MHz
		1366 × 768	47.712kHz	59.790Hz	85.500MHz
	WSXGA+	1680 × 1050	65.290kHz	59.954Hz	146.250MHz
	Full HD	1920 × 1080	67.500kHz	60.000Hz	148.500MHz