iiyama
Vision&Technology

USER MANUAL

ProLite

LCD Monitor

ENGLISH

ProLite TH6564MIS

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

| 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 2004/108/EC “EMC Directive”, 2006/95/EC “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.

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

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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.

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CAUTION

INSTALLATION LOCATION

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

DO NOT PLACE THE MONITOR IN A HAZARDOUS POSITION

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

MAINTAIN GOOD VENTILATION

Ventilation slots are provided to keep the monitor from overheating. Covering the slots may cause fire. To allow adequate air circulation, place the monitor at least 10 cm (or 4 inches) from any walls.

Do not remove the tilt stand when operating the monitor. Ventilation slots on the back of the cabinet will be blocked and the monitor may overheat if the stand is removed. This may cause fire or damage. Operating the monitor on its back, side, upside down or on a carpet or any other soft material may also cause damage.

DISCONNECT THE CABLES WHEN YOU MOVE THE MONITOR

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

UNPLUG THE MONITOR

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

HOLD THE PLUG WHEN DISCONNECTING

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

DO NOT TOUCH THE PLUG WITH WET HANDS

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

WHEN YOU INSTALL THE MONITOR ON YOUR COMPUTER

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

DO NOT USE THE MONITOR FOR 24-HOURS CONTINUOUSLY

The monitor is not designed to work for 24-hours continuously, do not use the monitor for 24-hours continuously.

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.
- Due to the nature of the backlight, the screen may flicker during initial use. Turn off the Power Switch and then turn it on again to make sure the flicker disappears.
- 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.
- Contact your dealer or iiyama service center for the backlight replacement when the screen is dark, flickering or not lighting up. Never attempt to replace it by yourself.
- Max. non-stop operating time and conditions
  (1) If a static image is displayed continuously, it is recommended to disrupt it with a motion picture.
  (2) It is recommended to periodically change the background colour and background image.
  (3) Maximum operating time of the display is 18 hours per day, if the IRFM function is set on. If the IRFM function is off, do not exceed a 12 hour non-stop operating time limit.
  (4) If the screen is active for a longer period of time, it is recommended to
  I. Run the screensaver (motion picture or black pattern)
  II. Power off the system for a while
  (5) Make sure that the screen is suitably ventilated, or is used in conjunction with climate control system if installed into any bespoke cabinets.
  (6) We strongly recommend an active cooling system with fans for long operating times, especially for high luminance LCD models.
- 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. Touch function can be disrupted if the USB cable length exceeds 3m.

CUSTOMER SERVICE

NOTE

- The fluorescent light used in the LCD monitor may have to be periodically replaced. For the warranty coverage on this component, please check with local iiyama service center.
- 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 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 4000:1 (Typical: without Touch panel) / Brightness 500cd/m^2 (Typical: without Touch panel)**
- **Digital Character Smoothing**
- **Automatic Set-up**
- **Stereo Speakers**
  2 × 12W Stereo Speakers
- **Plug & Play VESA DDC2B Compliant**
  Windows® 95/98/2000/Me/XP/Vista/7/8 Compliant
- **Power Management (VESA DPMS Compliant)**
- **VESA Mounting Standard (400mm×400mm) Compliant**
- **Glass with AG coating**

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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
- DVI-D Signal Cable
- USB Cable
- Remote Control
- Touch Pen
- iiyama Logo Sticker
- Safety Guide
- Quick Start Guide

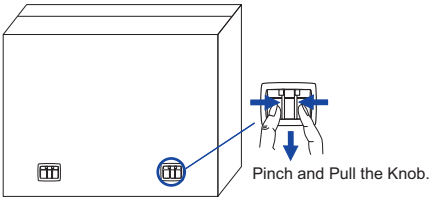
CAUTION * The rating of the Power Cable enclosed in 120V area is 10A/125V. If you are using a power supply higher than this rating, then a power cable with a rating of 10A/250V must be used. However, all guarantees and warranties are void for any problems or damage caused by a power cable not supplied by iiyama.

UNPACKING

① Before unpacking your monitor, prepare a stable, level, and clean surface near a wall outlet. Set the LCD Monitor box in an upright position and open from the top of the box before removing the top cushions.

② Remove the carton holders.

③ Remove the top cushion and take the accessories box and the Monitor out.



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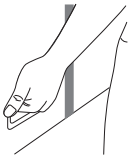
CAUTION

Moving the monitor requires at least two people. If not, it may drop and could result in a serious injury.
When moving/shipping the monitor, please hold by the carton holders.



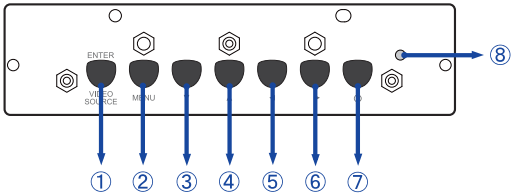
SPECIAL NOTES ON

CAUTION

Permanent damage can occur if Sharp Edged, Pointed or Metal items are used to activate Touch.
This could invalidate any remaining warranty.
We recommend you use a plastic stylus (tip R0.8 or over) or finger.

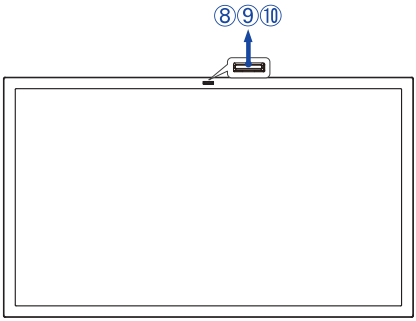
CONTROLS AND CONNECTORS : MONITOR

<Back Controller>

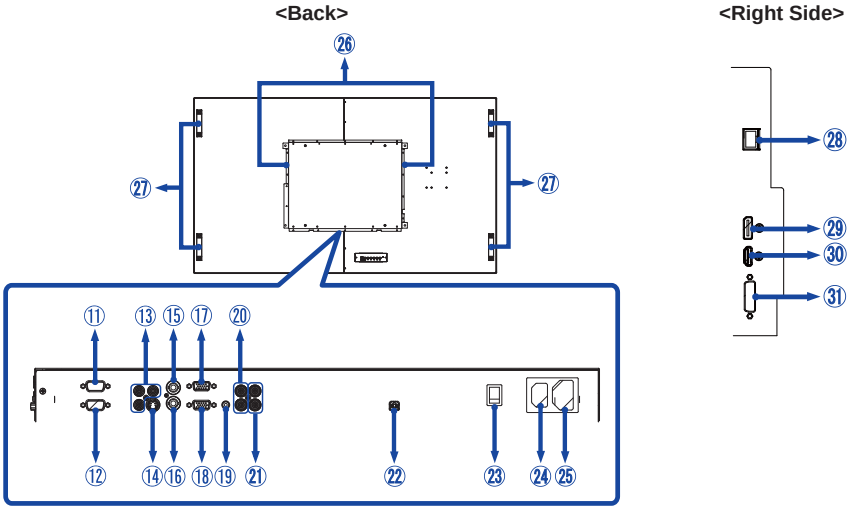


①	ENTER/SOURCE	Enter/Input Select Button
②	MENU	Menu Button
③	▼	Down Button
④	▲	Up Button
⑤	◀ / -	Left / - Button
⑥	▶ / +	Right / + Button
⑦	⏻	Power Button

<Front>



⑧	Power Indicator	Green	Normal Operation
		Red	Flash : Power Management (Power Save : Low) Lighting : If turn off the Power Button on the Remote Control and the Back Controller. Power Management (Power Save : High)
		Off	Power Off
⑨	Remote Sensor		Remote Sensor
⑩	Ambient Light Sensor		Detects ambient lighting conditions around the Monitor and adjusts screen brightness automatically when the Ambient Light Sensor function is activated.



⑪	RS232C OUT	D-SUB 9pin	RS232C Connector
⑫	RS232C IN	D-SUB 9pin	RS232C Connecto
⑬	COMPONENT VIDEO (VIDEO IN)	RCA G/B/R	Component Video Connector
⑭	S-Video	Mini Din 4pin	S-Video Connector
⑮	AV OUT	BNC	Video Connector
⑯	AV IN	BNC	Video Connector
⑰	VGA OUT	D-SUB mini 15pin	D-SUB mini 15pin Connector
⑱	VGA IN	D-SUB mini 15pin	D-SUB mini 15pin Connector
⑲	AUDIO IN1 (PC Audio In)	Mini Jack	Audio Connector
⑳	AUDIO IN2	RCA L/R	Audio Connector
㉑	AUDIO OUT	RCA L/R	Audio output Connector
㉒	USB	USB	Touch USB Connector
㉓	AC SWITCH — (ON) / ○ (OFF)	MAIN POWER	Main Power Switch
㉔	AC IN	AC-INLET	AC Connector (AC-IN)
㉕	AC OUT	AC-OUTLET	AC Connector (AC-OUT)
㉖	SPEAKERS		Speakers
㉗	Handles		Handles
㉘	RJ45	RJ45	RJ45 Connector
㉙	DisplayPort (DP)	DisplayPort	DisplayPort Connector
㉚	HDMI	HDMI	HDMI Connector
㉛	DVI	DVI-D 24pin	DVI-D 24pin Connector

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.

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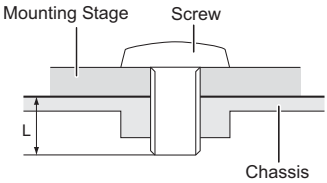
[WALL MOUNTING]



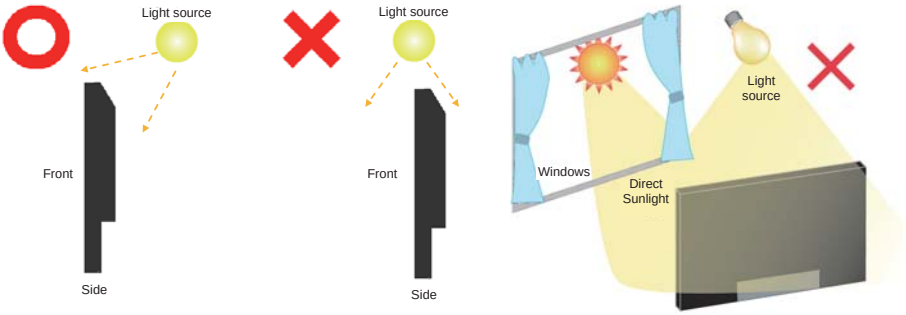
CAUTION

When using the wall mounting, consideration of thickness of the mounting stage needs to be taken. Tighten the M8 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.

[INSTALLATION NOTE]

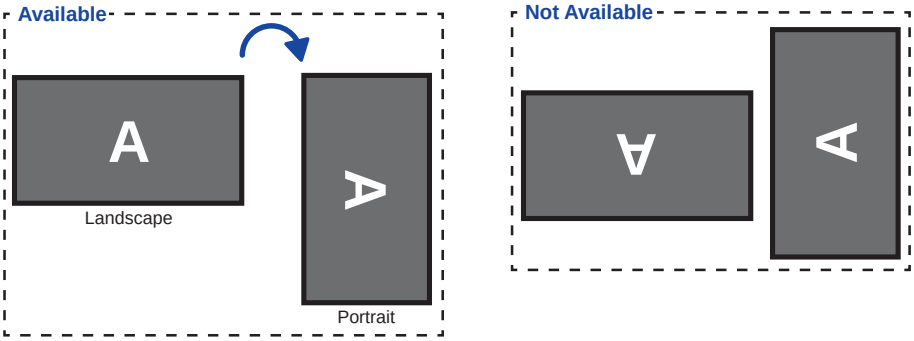
The touch kit of this monitor is an optical device that utilizes infrared light source and sensitive sensors for touch detection.
Notice the incident light that contains large quantities of infrared light may affect touch screen operation and performance.

Please install it with care as follows to ensure reliable touch performance.
Intense light / Specular light / Focus spotlight / Wide spread light / Direct sunlight / Indirect sunlight from the window and/or the glass door. / Not install the touch monitor right under the light source.

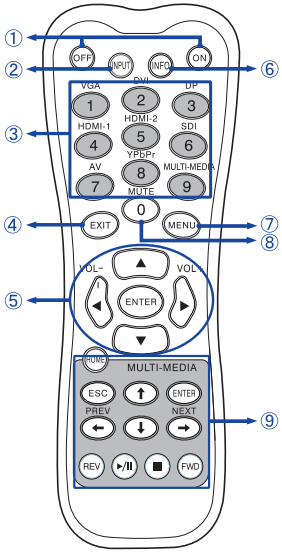


[ROTATING THE DISPLAY]

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



CONTROLS AND CONNECTORS : REMOTE CONTROL



①	ON/OFF	Turns the monitor ON and OFF.
②	INPUT	Selects the source.
③	Number (1-9) / Input source	Serve as input source buttons when the Menu is not displayed. The HDMI-2, SDI and MULTI-MEDIA functions are not available with this monitor.
④	EXIT	Returns to a previous menu or closes the OSD Menu.
⑤	▲▼◀▶	Navigates through submenus and settings. ▲: Up Button ▼: Down Button ◀: Left Button ▶: Right Button ◀ (VOLUME-): Decreases the sound volume. ▶ (VOLUME+): Increases the sound volume.
	ENTER	Confirms your selection or save changes.
⑥	INFO	Provides source and resolution information.
⑦	MENU	Opens the monitor's on-screen menu systems. When the menu system is already open, pressing this button will select the previous submenu.
⑧	Number (0)/ MUTE	Turns on or off the mute function when the Menu is not displayed.
⑨	MULTI-MEDIA	Not available on this model.

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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.

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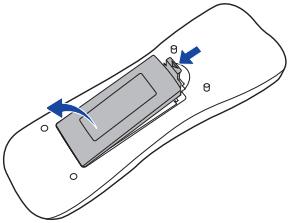
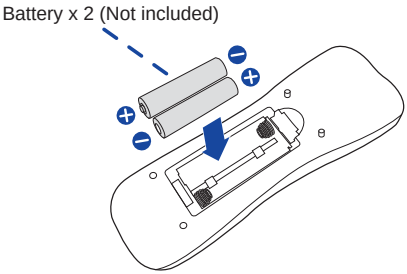
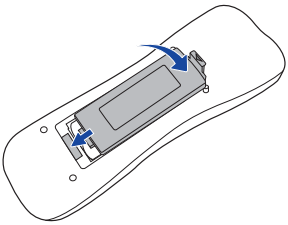
① Slide back and remove the battery cover in the direction of the arrow.



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 in the direction of the arrow and snap it back into place.



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.)

BASIC OPERATION

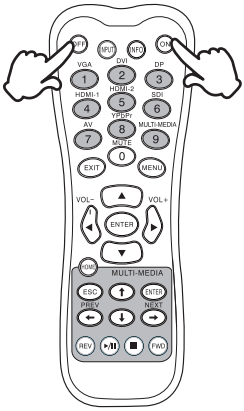
■ Turning the monitor ON

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 Red when you press the POWER Button on the monitor or the Remote Control. Press again to turn On the monitor.

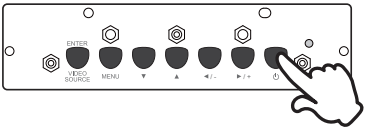
NOTE

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.

[Remote Control]



[Monitor]

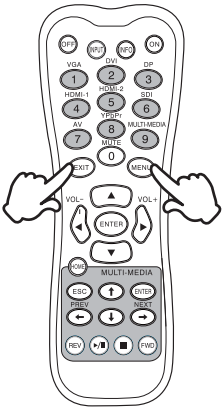


■ Display the adjustment menu page

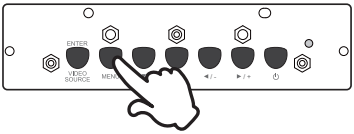
The menu page appears on the screen when you press the MENU Button on the monitor or the Remote Control.

The menu page disappears when you press the EXIT Button on the Remote Control again.

[Remote Control]



[Monitor]



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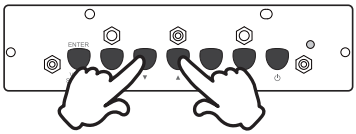
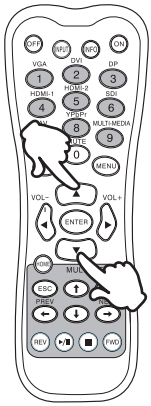
■ Move the cursor vertically

Select adjustment by pressing the ▲ / ▼ Button while the menu page is displayed on the screen.

[Monitor]



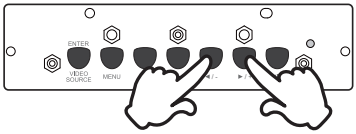
[Remote Control]



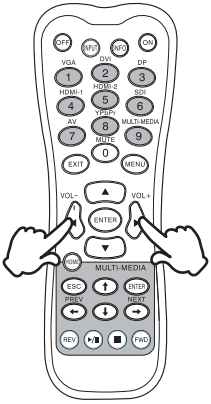
■ Move the cursor horizontally

Select menu or setting, or perform the adjustment by pressing the ◀ / ▶ Button while the menu page is displayed on the screen.

[Monitor]



[Remote Control]



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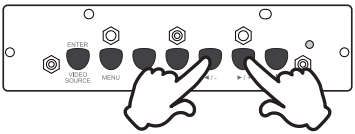
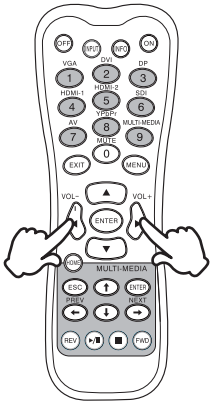
■ Adjust the volume of sound

Press the ◀ / ▶ Button to adjust the volume of sound when the menu page is not displayed on the screen.

[Monitor]



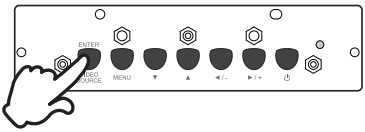
[Remote Control]



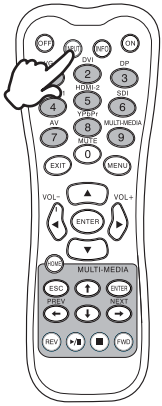
■ Switch the input signal

This is activated when you successively press the VIDEO SOURCE Button on the monitor or INPUT Button on the Remote Control as follows:

[Monitor]



[Remote Control]



ENGLISH

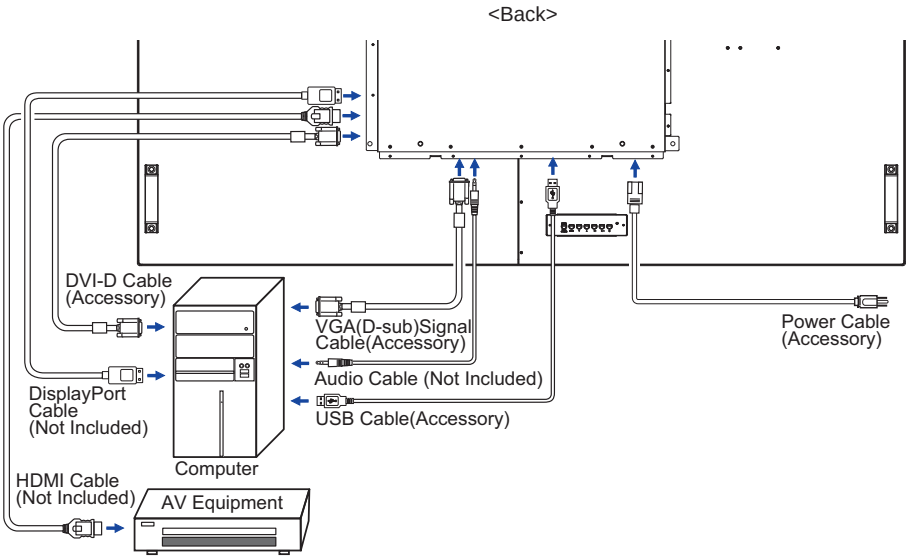
CONNECTING YOUR MONITOR

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

NOTE

- The signal cables used for connecting the computer and monitor may vary with the type of computer used. An incorrect connection may cause serious damage to both the monitor and the computer. The cable supplied with the monitor is for a standard connector. If a special cable is required please contact your local iiyama dealer or regional iiyama office.
- For connection to Macintosh computers, contact your local iiyama dealer or regional iiyama office for a suitable adaptor.
- Make sure you tighten the finger screws at each end of the Signal Cable.
- Don't connect the RS-232C cable and the USB cable to the computer at the same time. And cannot use those at the same time.
- When USB cable connected than wait for 5 seconds and the touch function is ready to go. It can be activated by pen, finger or any other pointer.

[Example of Connection]



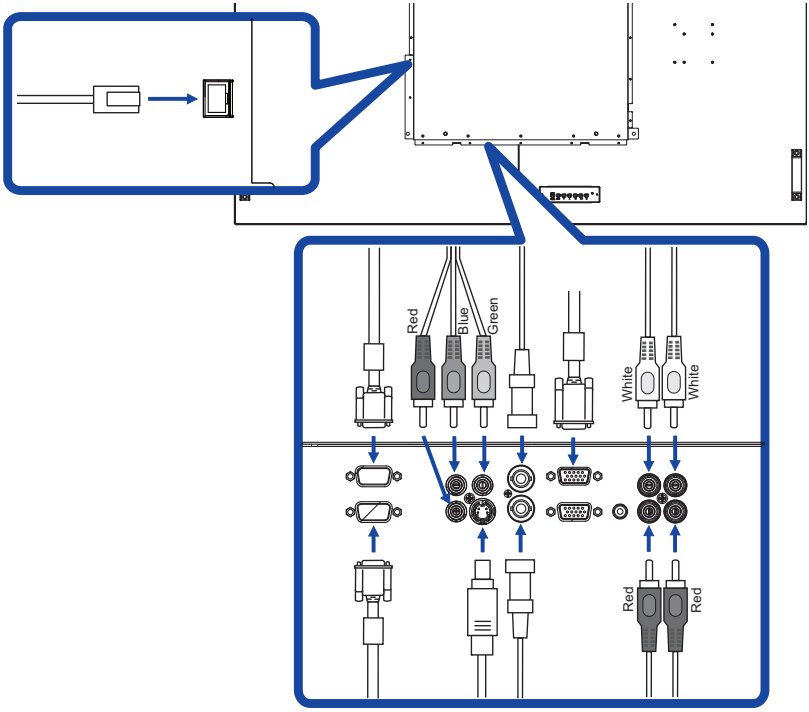
[Connection example with the peripheral device]

CAUTION

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

NOTE

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



COMPUTER SETTING

■ Signal Timing
Change to the desired signal timing listed on page 37: COMPLIANT TIMING.

■ Windows 95/98/2000/Me/XP/Vista/7/8 Plug & Play
The iiyama LCD monitor complies with DDC2B of VESA standard. The Plug & Play function runs on Windows 95/98/2000/Me/XP/Vista/7/8 by connecting the monitor to DDC2B compliant computer with the Signal Cable supplied.
For installation on Windows 95/98/2000/Me/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
■ For additional information on how to download the driver for your touch screen monitor, please access the internet site noted above.
■ Monitor Drivers are not required in most cases for Macintosh or Unix operating systems. For further information, please contact your computer dealer first for advice.

■ Procedure for turning ON the Power Switch
Turn ON the monitor first, and then the computer.

■ MULTI-TOUCH
This monitor complies with DDC2B of VESA standard. (Plug&play compliant)
The MULTI-TOUCH function runs on Windows7/8 by connecting the monitor to DDC2B compliant computer with the USB cable supplied.

■ MULTI-TOUCH support operation system
Microsoft Windows XP (64 bit and 32 bit)
Microsoft Windows Vista (64 bit and 32 bit)
Microsoft Windows 7 (64 bit and 32 bit)
Mac OS X V10.4 & above
Linux (2.6x) & above
Not support Windows 2000 and earlier versions.

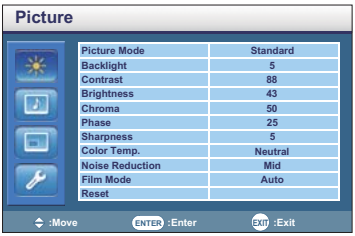
	Windows8	Windows7*5	Windows7*4	Vista	XP	Mac OSX	Linux
Default mouse*1	○	○	○	○	○	○	○
Touch digitizer*2	○	○	○	○	×	×	×
Windows7 gestures*3	○	○	×	×	×	×	×

*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 multi-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 37. You are also able to adjust the picture by following the button operation shown below. For more detailed adjustments, see page 29 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.**

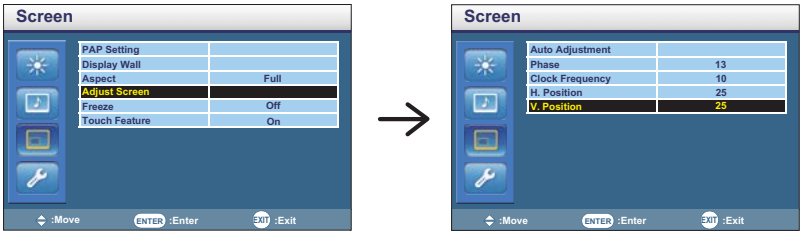


② **Select the Menu item of the adjustment you want to make. Press the ▶ or ENTER Buttons and enter the menu page. Then, use the ▲ / ▼ Buttons to highlight the desired adjustment item.**

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

④ **Press the EXIT 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 Screen. Select "Adjust Screen" by using the ▲ / ▼ Buttons. Press the ▶ Button. Then, select "V. Position" by using the ▲ / ▼ Buttons.
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 EXIT Button lastly, it ends, all changes are saved in the memory.

NOTE

- The MENU / EXIT 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 Image Position, Clock Frequency 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

[LOCK MODE]

- **Back Controller Button:** * Available for Back Controller only.
  Pressing and holding the ◀ and ▶ buttons for about 5 seconds when Menu is not displayed, will lock/unlock the Back Controller Button Lock function.
- **Remote Control Button:** * Available for Back Controller only.
  Pressing and holding the MENU and ◀ buttons for about 5 seconds when Menu is not displayed, will lock/unlock the Remote Control Button Lock function.
- **Back Controller Button & Remote Control Button:** * Available for Remote Control only.
  Press and hold the ▼ button for about 5 seconds, then press ENTER button when Menu is not displayed to activate/deactivate the Back Controller and Remote Control Lock function.

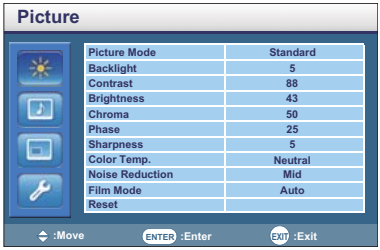
ENGLISH

Direct * Available for Remote Control only.

- **Reset Control Setting:**
  Pressing and holding the INFO button for about 5 seconds when Menu is not displayed.
- **Freeze Function:**
  Press the ▼ button and then press 0 button when Menu is not displayed.
  Repeat successively to activate/deactivate the function.

ADJUSTMENT MENU CONTENTS

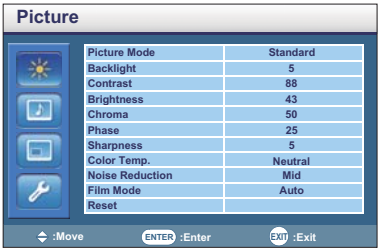
Picture



Adjustment Item	Problem / Option		Button to Press
Picture Mode	Vivid	For displaying outdoor scenery images.	
	Standard	For general windows environment and monitor default setting.	
	Custom	Displays a picture on a screen set by Image Settings adjustments.	
	Cinema	For movie and video environment.	
Backlight*3	Brightness of back light is reduced.		▶ ◀
Contrast	Too dull Too intense		▶ ◀
Brightness*1	Too dark Too bright		▶ ◀
Chroma*2	Too week Too strong		▶ ◀
Phase*5	Purplish Greenish		▶ ◀
Sharpness	Too soft Too sharp		▶ ◀
Color Temp.	Cool (Bluish white)	Red	Too weak Too strong ▶ ◀
	Neutral (Greenish white)	Green	
	Warm (Reddish white)	Blue	
	Custom	Reset	
Noise Reduction*2	Off	Noise Reduction is turned off.	
	Low	Electronic image noise caused by different media players is reduced.	
	Mid	Electronic image noise caused by different media players is reduced.	
	High	Electronic image noise caused by different media players is reduced.	
Film Mode*2,4	Auto	Automatically optimized format settings based on the content type.	
	Off	Film Mode is turned off.	

ENGLISH

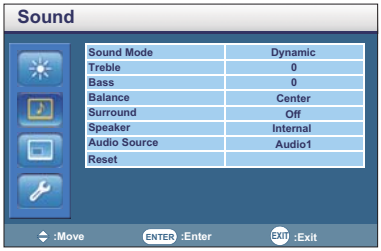
Picture



Adjustment Item	Problem / Option	Button to Press
Reset	Cancel	Return to Menu.
	OK	Resets all settings in the Picture menu.

*1 Adjust the Brightness when you are using the monitor in a dark room and feel the screen is too bright.
*2 Only AV,S-Video, YPbPr, HDMI(Video) and DisplayPort(Video) inputs.
*3 Backlight is disabled when the Ambient Light Sensor is active.
*4 Film Mode is disabled when the PAP is active.
*5 Only AV(NTSC) input.

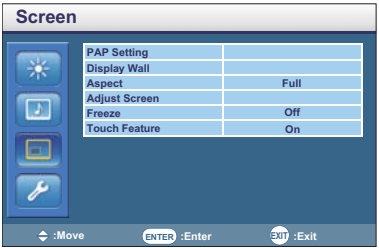
Sound



Adjustment Item	Problem / Option	Button to Press
Sound Mode*1	Dynamic	Enhances treble and bass.
	Standard	Flat settings.
	Custom	Recalls customized settings.
Treble*2	Too weak Too strong	▶ ◀
Bass*2	Too weak Too strong	▶ ◀
Balance*1	Left side speaker louder Right side speaker louder	▶ ◀
Surround*1	On	Surround is turned on.
	Off	Surround is turned off.
Speaker	Line-out	Select the Line-out.
	Internal	Select the Internal Speaker.
Audio Source	Audio1	Select the Audio1 input.
	Audio2	Select the Audio2 input.
	HDMI	Select the HDMI input.
	DisplayPort	Select the DisplayPort input.
Reset	Cancel	Return to Menu.
	OK	Resets all settings in the Sound menu.

*1 Sound Mode, Balance and Surround are disabled when the Line-out (Speaker) is active.
*2 Treble and Bass are disabled when the Line-out (Speaker) or Custom (Sound Mode) is active.

Screen

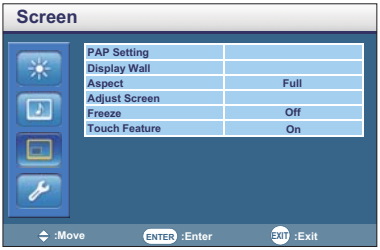


Adjustment Item	Problem / Option		Button to Press
PAP Setting*1	PAP	Off	PAP is turned off.
		PIP	Display the sub screen in the main screen.
		PBP	Display images from two sources side by side.
	Active Picture	Main	Select the Main screen.
		Sub	Select the Sub screen.
		Left	Select the Left screen.
		Right	Select the Right screen.
		Swap	Swaps the Main/Sub or Left/Right screens.
	Picture Size	Large	Increase the size of the Sub screen.
		Small	Reduce the size of the Sub screen.
	Picture Position *PIP only	Upper Left	Move the sub screen to the upper left corner.
		Upper Right	Move the sub screen to the upper right corner.
		Lower Left	Move the sub screen to the lower left corner.
		Lower Right	Move the sub screen to the lower right corner.
Display Wall*2	H Monitors	Sets the number of displays used in the horizontal position.	
	V Monitors	Sets the number of displays used in the vertical position.	
	H Position	Sets the horizontal position of the display wall matrix.	
	V Position	Sets the vertical position of the display wall matrix.	
	Frame comp.	On	Adjusts images near the display edges for optimal demonstration across the display wall.
		Off	Return to Menu.
	LED	On	The power indicator is turned on.
		Off	The power indicator is turned off.
	Power On Delay	On	All Display wall monitors will power on randomly within 10 seconds.
		Off	Power On Delay is turned off.

*1 PAP = Picture and Picture
With this function, you can display two different picture.
PAP support details, See page 38 "PAP Support Screen Table".

*2 The best performance would be 2x2.
If the Display - wall is more than 3x3, we suggest use video splitter.
And, VGA, RS232C and AV input can do daisy chain.

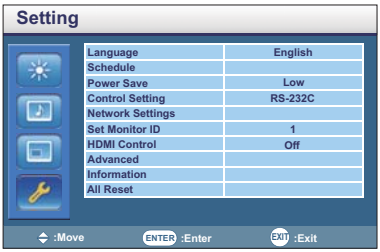
Screen



Adjustment Item	Problem / Option	Button to Press	
Aspect	Wide zoom*3	Enlarge to fill screen with minimum distortion.	
	Zoom*3	Enlarge the picture, keeping its original aspect ratio.	
	Full*3	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*3	Displays all picture in 4:3 aspect ratio.	
	Full1*4	Enlarge the picture to fill the screen in vertical direction, keeping its original aspect ratio. A black frame may appear around the picture.	
	Full2*4	Enlarge the picture to fill the screen.	
	Real*4	Display the picture dot by dot.	
Adjust Screen*5	Auto Adjustment*6	Cancel	Return to Menu.
		OK	Adjust Position, Clock Frequency and Phase automatically.
	Phase	To correct flickering text or lines	▶ ◀
	Clock Frequency	Too narrow	▶
		Too wide	◀
	H. Position	Too far to the left	▶
		Too far to the right	◀
	V. Position	Too low	▶
		Too high	◀
Freeze	On	Freeze the picture.	
	Off	Freeze is turned Off.	
Touch Feature	On	To streamline the OSD, then grayout the following functions: Aspect, PIP, Overscan and Display Wall	
	Off	Return to Menu.	

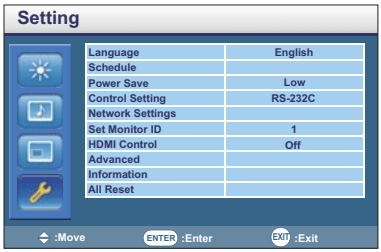
*3 Only AV, S-Video, YPbPr, HDMI(Video) and DisplayPort(Video) inputs.
*4 Only VGA, DVI, HDMI(PC) and DisplayPort(PC) inputs.
*5 Only VGA input.
*6 For best results, use the Auto Adjust in conjunction with the adjustment pattern. See page 29 for SCREEN ADJUSTMENTS.

Setting



Adjustment Item	Problem / Option		Button to Press	
Language	English	English	Nederlands	Dutch
	Français	French	Polski	Polish
	Español	Spanish	Русский	Russian
	Deutsch	German		
Schedule	Date and Time	Displays the current date and time. Year/Month/Day/Hour/Minute/Daylight Saving Time Date set/Time set		
	Clock Display	On	Display time.	
		Off	Clock Display is turned off.	
	Input	Select default input source to use when the display is automatically turned on next time. Default/AV/S-Video/YPbPr/VGA/DVI/HDMI/ DisplayPort		
	On/Off Timer	Sets when to turn on or off the display. On/Off/Everyday/Mon/Tue/Wed/Thu/Fri/Sat/Sun		
Power Save	Low	All input sources can activate/deactivate entering the power saving mode.		
	High	All input sources can activate entering the power saving mode, but only the VGA signal can deactivate it. If an another input source is connected you have to press the POWER button.		
	Off	Power Save is turned off.		
Control Setting	RS-232C	Select the RS-232C to control the display.		
	LAN	Select this option to control the display via LAN.		
	IR Passthrough	Select this option if multiple displays are connected via RS-232C cables. Primary/Secondary		
Network Settings	DHCP	Cancel	Return to Menu.	
		Execute	If you are in a DHCP environment, once established, the IP Address, Subnet mask, Default gateway, Primary and Secondary DNS settings are displayed.	
	Manual	If you are not in a DHCP environment, contact your ITS administrator for information on the IP Address, Subnet mask, Default gateway, Primary and Secondary DNS settings and enter them accordingly.		

Setting

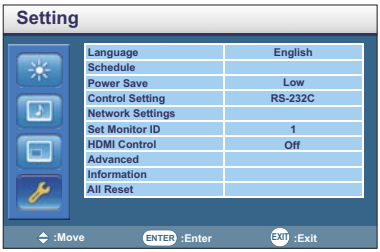


Adjustment Item	Problem / Option		Button to Press
Set Monitor ID	Set ID to the Monitor. 1-98		
HDMI Control	On	Control connected HDMI CEC device and the display with one remote control.	
	Off	HDMI Control is turned off.	
Advanced	Auto Search	On	Automatically detects available input sources.
		Off	Return to Menu.
	Auto Adjustment*1	On	When a new signal is input, adjust Position, Clock Frequency and Phase automatically.
		Off	Return to Menu.
	Overscan*2	On	Activate Overscan to reduce picture noise while using Video input.
		Off	Overscan is turned off.
	RGB Signal	PC	Signal from a PC that is connected to the display via the HDMI input.
		Video	Signal from a video device connected to the display via the HDMI input.
	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	Landscape	Landscape display
		Portrait	Portrait display
	OSD Info Box	On	Switching signal inputs, or changing timing, the current input source and resolution information will be displayed on the screen.
		Off	OSD Info Box is turned off.
	Adaptive Contrast	On	Enhances image contrast for dark scenes.
		Off	Adaptive Contrast is turned off.

*1 Only VGA input.
For best results, use the Auto Adjust in conjunction with the adjustment pattern. See page 29 for SCREEN ADJUSTMENTS.

*2 Only YPbPr, HDMI(Video) and DisplayPort(Video) inputs.

Setting



Adjustment Item	Problem / Option		Button to Press
Advanced	Ambient Light Sensor	On	Automatically adjust image brightness to changing ambient lighting conditions.
		Off	Ambient Light Sensor 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.
Information	Date/Model Name/Serial Number/Operation Time/Software Version/ LAN Version/IP Address* **NOTE** See your graphic card user guide for more information about changing the resolution and refresh.		
All Reset	Cancel	Return to Menu.	
	OK	Factory-preset data is restored.	

* IP address is displayed only when LAN is connected.

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.

ENGLISH

There are two ways to adjust the screen. One way is automatic adjustment for Position, Clock Frequency 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).

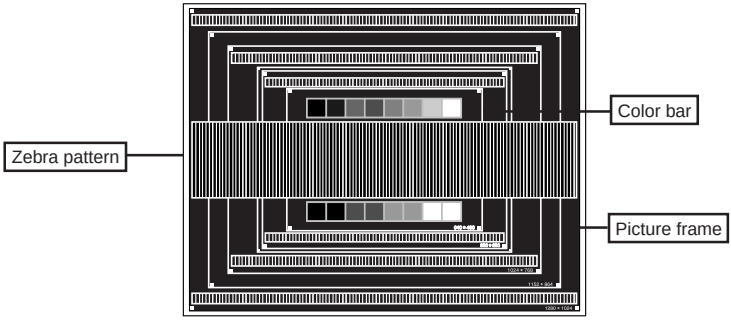
Adjust the image by following the procedure below to get the desired picture.
This manual explains adjustment under Windows 95/98/2000/Me/XP/Vista/7/8.

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”.

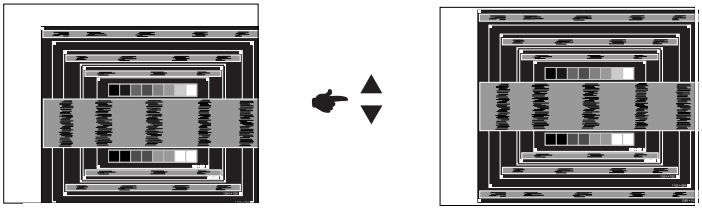
[Adjustment pattern]



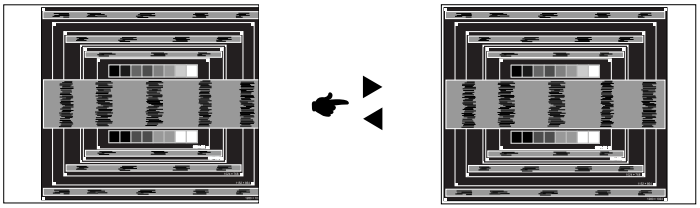
③ **Adjust the Auto Adjustment.**

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.**

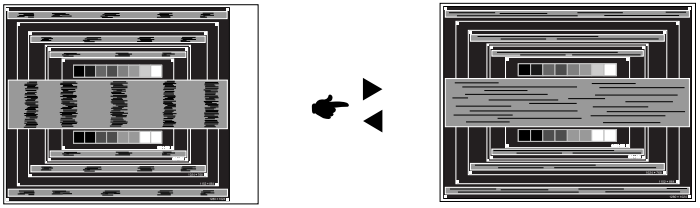
⑤ **Adjust the V-Position so that the top and bottom of the picture frame will fit to the display area.**



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.**



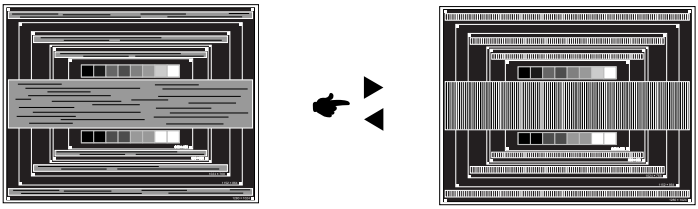
2) Stretch the right side of the picture frame to the right edge of the display area by adjusting the Clock Frequency.



NOTE

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

Put back your favorite wallpaper.

POWER MANAGEMENT FEATURE

The power management feature of this product complies with power saving requirement of VESA DPMS. When activated, it automatically reduces unnecessary power consumption of the monitor when your computer is not in use.
To use the feature, the monitor needs to be connected to a VESA DPMS compliant computer. There is a power management step the monitor takes as described below. The power management function, including any timer settings is configured by the operating system. Check your operating system manual for information on how this can be configured.

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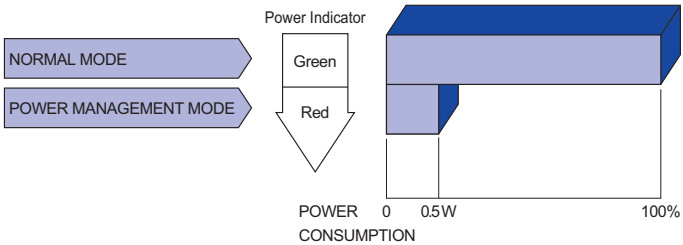
■ **Power Management Mode**

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



NOTE

■ Even when using the power management mode, the monitor consumes electricity. Turn off the Power Switch whenever the monitor is not in use, during the night and weekends, to avoid unnecessary power consumption.

■ It is possible that the video signal from the computer may be on while the H or V sync signal is missing. In this instance, the POWER MANAGEMENT feature may not work properly.

TROUBLE SHOOTING

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

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

Problem	Check
① The picture does not appear.	☐ 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 No sound.	☐ The audio equipment (computer etc.) is ON. ☐ The Audio Cable is properly connected. ☐ The Volume is turned up. ☐ The Mute is OFF. ☐ 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.
⑨ The touch screen shows no response.	☐ The USB Cable is firmly seated in the socket. ☐ Touch screen driver software is installed.
⑩ 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

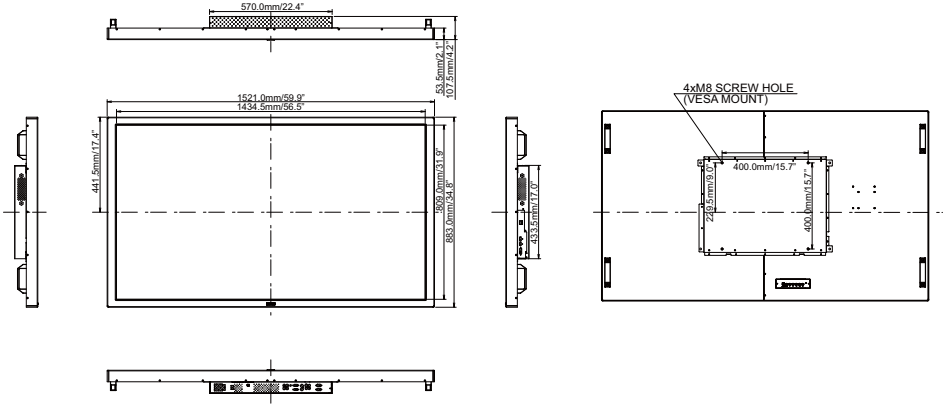
Design and specifications are subject to change without prior notice.

SPECIFICATIONS

Touch Screen	Technology	IR Touch 2points
	Light transmission	88%
	Communication system	USB serial transfer
Size Category		65"
LCD Panel	Panel technology	VA
	Size	Diagonal: 65" (164cm)
	Pixel pitch	0.744mm H × 0.744mm V
	Brightness	450cd/m^2 (Typical: without Touch panel)
	Contrast ratio	4000 : 1 (Typical: without Touch panel)
	Viewable angle	Horizontal : 178 degrees, Vertical: 178 degrees (Typical)
	Response time	8ms (Typical, Gray to Gray)
Display Colors		Approx.1.073G
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		D-Sub mini 15 pin, DVI-D 24 pin, HDMI, DisplayPort
Input Video Connector		BNC jack, S-Video
Input Audio Connector		mini jack, RCA (L/R)
Input Component Connector		RCA (Video/L/R)
LAN		RJ45
Serial Port		RS-232C In/Out
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
Output Connector		D-Sub mini 15 pin
Output Video Connector		BNC jack
Output Audio Connector		RCA(L/R)
Speakers		Internal: 12W×2 (Stereo speakers)
Maximum Screen Size		1428.48mm W × 803.52mm H / 56.2" W × 31.6" H
Power Source		100-240VAC, 50/60Hz, 6.4A
Power Consumption*		265W typical, Power management mode: 0.5W maximum
Dimensions / Net Weight		1521.0 × 833.0 × 107.5mm / 59.9 × 34.8 × 4.2" (W×H×D) 63.5kg / 140.0lbs
Environmental Considerations		Operating: Temperature 0 to 40°C / 32 to 104°F Humidity 85% (No condensation) Storage: Temperature -20 to 60°C / 4 to 140°F Humidity 85% (No condensation)
Approvals		CB, CE, CU, TÜV-Bauart

NOTE * USB peripherals / Audio equipment are not connected.

DIMENSIONS



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COMPLIANT TIMING

Timing			fH(kHz)	fV(Hz)	Dot clock (MHz)	VGA	DVI	DisplayPort	HDMI	YPbPr	AV	S-Video
VESA	VGA 640x480		31.469	59.940	25.175	○	○	○	○			
			37.861	72.809	31.500	○	○	○	○			
			37.500	75.000	31.500	○	○	○	○			
	SVGA 800x600		37.879	60.317	40.000	○	○	○	○			
			46.875	75.000	49.500	○	○	○	○			
	XGA 1024x768		48.363	60.004	65.000	○	○	○	○			
			60.023	75.029	78.750	○	○	○	○			
	1280x768		47.776	59.870	79.500	○	○	○	○			
	WXGA 1280x800 RB		49.306	59.910	71.000	○	○	○	○			
	WXGA 1280x800		49.702	59810	83.500	○	○	○	○			
	1280x960		60.000	60.000	108.000	○	○	○	○			
	SXGA 1280x1024		63.981	60.020	108.000	○	○	○	○			
	1360x768		47.712	60.020	85.500	○	○	○	○			
	1366x768		47.712	59.700	85.500	○	○	○	○			
	1400x1200		65.317	59.980	121.750	○	○	○	○			
	UXGA 1600x1200		75.000	60.000	162.000	○	○	○	○			
	1680x1050 RB		64.674	59.880	119.000	○	○	○	○			
	WSXGA 1680x1050		65.290	59.950	146.250	○	○	○	○			
	FHD 1920x1080		67.500	60.000	148.500	○	○	○	○			
IBM	720x400		31.467	70.080	28.320	○	○	○	○			
CEA-861	1280x720		45.000	60.000	74.250	○	○	○	○			
MAC	640x480		35.000	66.670	30.240	○	○	○	○			
	832x624		49.722	74.550	57.280	○	○	○	○			
	1024x768		60.241	74.930	80.000	○	○	○	○			
	1152x870		68.681	75.060	100.000	○	○	○	○			
SD	NTSC-M		15.734	59.940	13.500					○	○	○
	NTSC-J		15.734	59.940	13.500					○	○	○
	PAL-BDGHI		15.734	59.940	13.500					○	○	○
	480i	60Hz	15.734	59.940	13.500				○	○		
	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	25Hz	18.750	25.000	74.250		○	○	○	○		
		30Hz	22.500	30.000	74.250		○	○	○	○		
		50Hz	37.500	50.000	74.250		○	○	○	○		
		60Hz	45.000	60.000	74.250		○	○	○	○		
	1080i	50Hz	28.125	50.000	74.250		○	○	○	○		
		60Hz	33.750	60.000	74.250		○	○	○	○		
	1080p	24Hz	27.000	24.000	74.250		○	○	○	○		
		25Hz	28.125	25.000	74.250		○	○	○	○		
		30Hz	33.750	30.000	74.250		○	○	○	○		
		50Hz	56.250	50.000	148.500		○	○	○	○		
		60Hz	67.500	60.000	148.500		○	○	○	○		
		24Psf	27.000	24.000	74.250				○	○		
		25Psf	28.125	25.000	74.250				○	○		

* ○ means supported the timing.

PAP SUPPORT SCREEN TABLE

Sub \ Main	AV	S-Video	YPbPr	VGA	DVI	HDMI	DisplayPort
AV	—	—	—	○	○	○	○
S-Video	—	—	—	○	○	○	○
YPbPr	—	—	—	—	○	○	○
VGA	○	○	—	—	○	○	○
DVI	○	○	○	○	—	—	○
HDMI	○	○	○	○	—	—	○
DisplayPort	○	○	○	○	○	○	—