iiyama

USER MANUAL

ProLite

LCD Monitor

ENGLISH

ProLite TF3238MSC
ProLite TF4338MSC

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.

CE MARKING DECLARATION OF CONFORMITY

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

Warning

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

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

Model No. : PLT3238, PLT4338

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.

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FOR YOUR SAFETY

SAFETY PRECAUTIONS

WARNING

STOP OPERATING THE MONITOR WHEN YOU SENSE TROUBLE

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

NEVER REMOVE THE CABINET

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

DO NOT PUT ANY OBJECT INTO THE MONITOR

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

INSTALL THE MONITOR ON A FLAT, STABLE SURFACE

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

DO NOT USE THE MONITOR NEAR WATER

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

OPERATE UNDER THE SPECIFIED POWER SUPPLY

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

PROTECT THE CABLES

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

ADVERSE WEATHER CONDITIONS

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

CAUTION

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

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

MAINTAIN GOOD VENTILATION
Ventilation slots are provided to keep the monitor from overheating. Covering the slots may cause fire. To allow adequate air circulation, place the monitor at least 10 cm (or 4 inches) from any walls.
Operating the monitor on its back, side, upside down or on a carpet or any other soft material may also cause damage.

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

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

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

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

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

OTHERS

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

SPECIAL NOTES ON LCD MONITORS

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

NOTE

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

■ This LCD cannot be used outdoors.

■ 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.

USAGE CONFIRMATION

This product is designed for optimum usage at 24hours per day.
The display is compatible for usage in Landscape/Portrait and Tabletop (face-up) applications. If being used in Tabletop application, please utilise the Fan-on function.

IMAGE PERSISTENCE / IMAGE STICKING

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

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

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

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

FOR EXTENDED USE AS A PUBLIC DISPLAY

■ Image Sticking on LCD Panel

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

Image Persistence is not a permanent feature.

■ Recommendations

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

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

CUSTOMER SERVICE

NOTE

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

CLEANING

WARNING

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

CAUTION

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

NOTE

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

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

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

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

LCD 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 3000:1 (Typical) / Brightness 500cd/m^2 (Typical: without Touch panel) : ProLite TF3238MSC**
- **High Contrast 1100:1 (Typical) / Brightness 450cd/m^2 (Typical: without Touch panel) : ProLite TF4338MSC**
- **Digital Character Smoothing**
- **Automatic Set-up**
- **Stereo Speakers**
  2 × 8W Stereo Speakers
- **Plug & Play VESA DDC2B Compliant**
  Windows® 7/8/8.1/10 Compliant
- **Power Management (VESA DPMS Compliant)**
- **VESA Mounting Standard (400mm×200mm) Compliant**
- **Glass with AG coating**

ENGLISH

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*
- USB Cable
- Battery (2pcs)
- Quick Start Guide
- HDMI Cable
- IR Extender Cable
- Clamper
- DisplayPort Cable
- Remote Control
- Safety Guide

CAUTION

* The rating of the Power Cable enclosed in 120V area is 10A/125V. If you are using a power supply higher than this rating, then a power cable with a rating of 10A/250V must be used. However, all guarantees and warranties are void for any problems or damage caused by a power cable not supplied by iiyama.
An approved power cable greater or equal to H05VVF, 3G, 0.75mm² must be used.

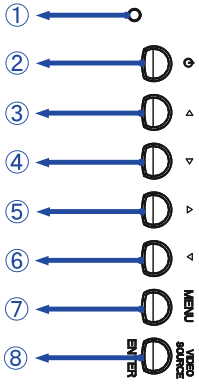
SPECIAL NOTES ON TOUCH PANEL

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 to use conductive rubber tip type stylus(tip R8.0 or over) or finger.

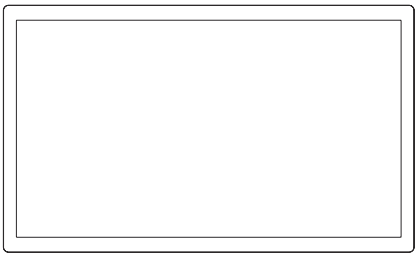
CONTROLS AND CONNECTORS : MONITOR

<Back Controller>



①	Power Indicator	Green	Normal Operation
		Orange	Power Management
②	⏻	Power Button	
③	▲	Left / - Button	
④	▼	Right / + Button	
⑤	▶	Up Button	
⑥	◀	Down Button	
⑦	MENU	Menu Button	
⑧	ENTER/ VIDEO SOURCE	Enter / Input Select Button	

<Front>



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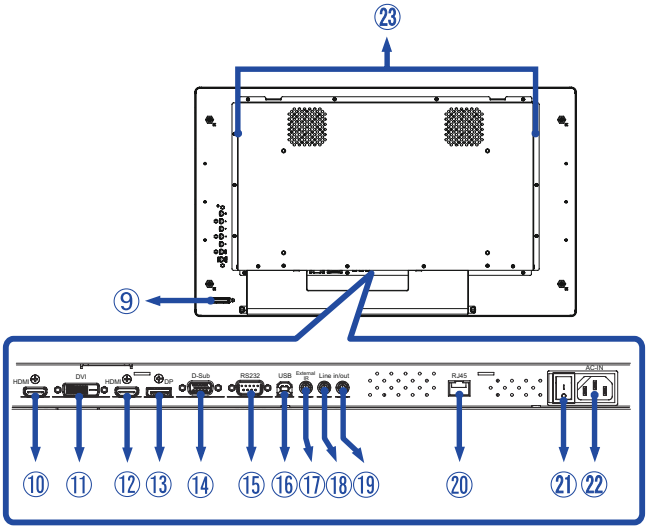


⑨	IR Sensor		Remote Sensor
⑩ ⑫	HDMII	HDMI1 HDMI2	HDMI Connector
⑪	DVI	DVI-D	DVI-D Connector
⑬	DP	DisplayPort	DisplayPort Connector
⑭	D-sub	VGA	VGA Connector
⑮	RS232C	RS232C 9pin	RS232C Connector
⑯	USB	USB Touch	USB Connector
⑰	External IR	Mini jack	IR Connector
⑱	Line In	Mini Jack	Audio Input Connector
⑲	Line Out *	Mini Jack	Headphone connector
⑳	RJ45	RJ45	RJ45 Connector
㉑	AC SWITCH | (ON) / ○ (OFF)	MAIN POWER	Main Power Switch
㉒	AC IN	AC-INLET	AC Connector(～ : Alternating current) (AC-IN)
㉓	SPEAKERS		Speakers

* Available for HDMI and DisplayPort input only.

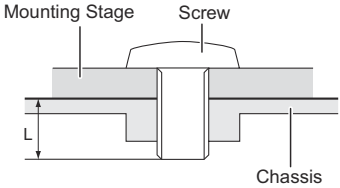
INSTALLATION

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.

ENGLISH

[WALL MOUNTING]



CAUTION

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

[FAN]

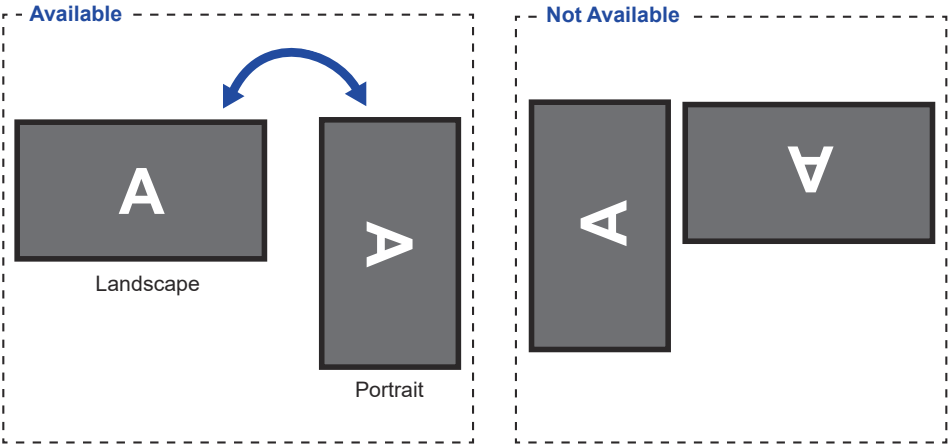
CAUTION

If the screen is used in face-up position, please be sure to turn on the FAN function.
If you do not use the FAN, the internal temperature rises and the product life cycle may get shorter.
If the screen is built into an external cabinet, please be sure to implement a cooling unit inside of the cabinet.
Dirt and dust may stick to the FAN, reducing the cooling effect which may result in a shorter life cycle of the product. Please clean regularly.

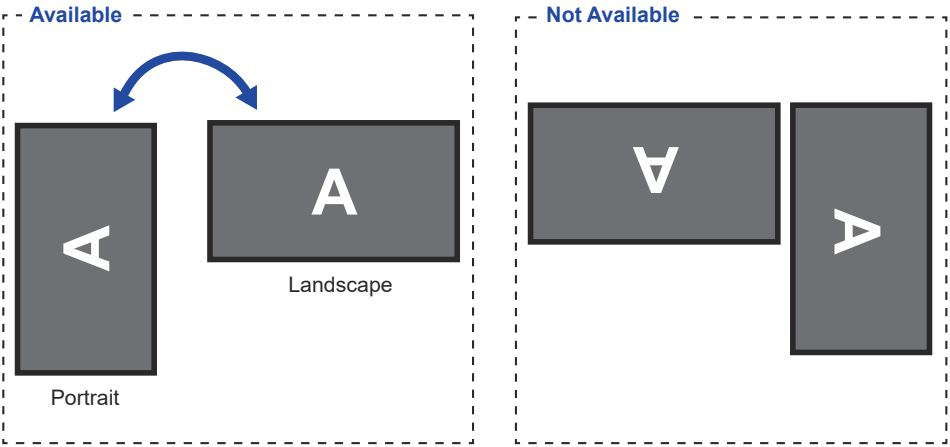
[ROTATING THE DISPLAY]

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

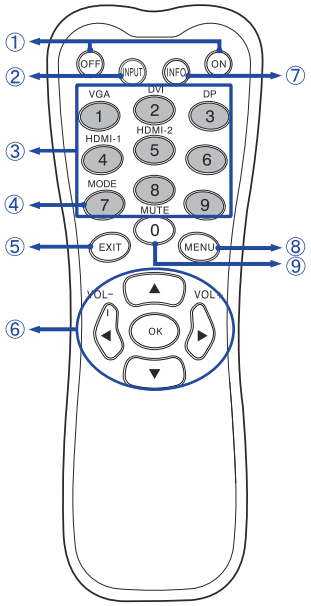
● ProLite TF3238MSC



● ProLite TF4338MSC



CONTROLS : REMOTE CONTROL



①	ON/OFF	Turns the monitor ON and OFF.
②	INPUT	Selects the source.
③	Number (1-9) / Input source	Serves as input source buttons when the Menu is not displayed. (VGA/DVI/HDMI-1/HDMI-2/DP)
④	Number (7) / MODE	Selects the Picture mode.
⑤	EXIT	Returns to a previous menu or closes the OSD Menu.
⑥	▲▼◀▶	Navigates through submenus and settings. ▲: Up Button ▼: Down Button ◀: Left Button ▶: Right Button ◀ (VOLUME-): Decreases the sound volume. ▶ (VOLUME+): Increases the sound volume.
	OK	Confirms your selection or save changes.
⑦	INFO	• Provides source and resolution information. • Press and hold this button for 3 seconds to minimize the brightness. The brightness returns to its previous level by repeating the above button operation again.
⑧	MENU	Opens the monitor's on-screen menu systems. When the menu system is already open, pressing this button will select the previous submenu.
⑨	Number (0) / MUTE	Turns on or off the mute function when the Menu is not displayed.

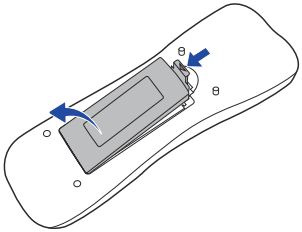
PREPARING THE REMOTE CONTROL

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

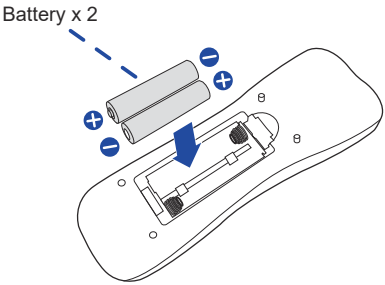
CAUTION

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

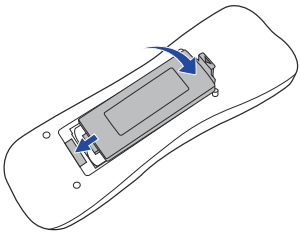
① Slide back and remove the battery cover in the direction of the arrow.



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

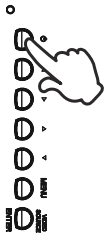
■ Turning the monitor ON

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

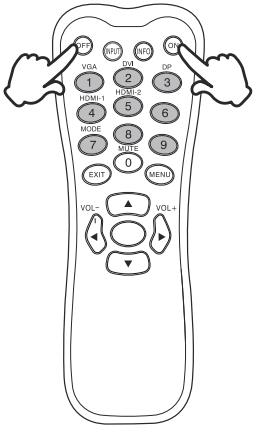
NOTE

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

[Monitor]



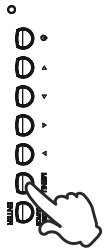
[Remote Control]



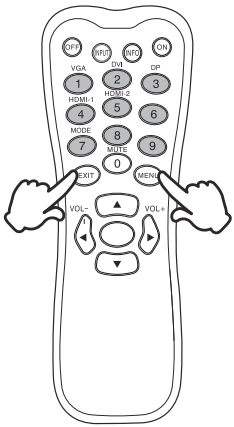
■ Display the adjustment menu page

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

[Monitor]



[Remote Control]

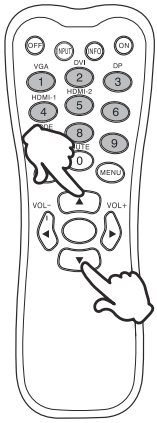


■ Move the cursor vertically

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

[Monitor]

[Remote Control]

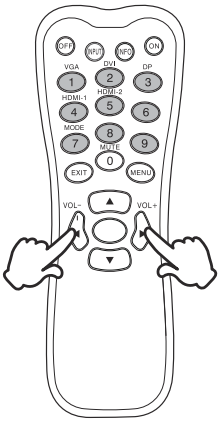


■ Move the cursor horizontally

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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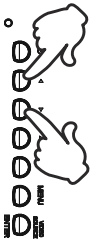
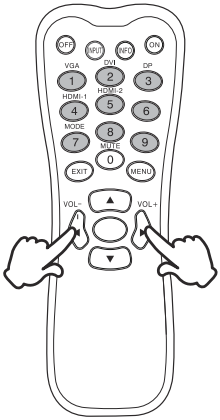
■ Adjust the volume of sound

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

[Monitor]



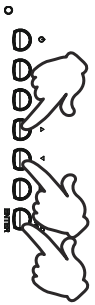
[Remote Control]



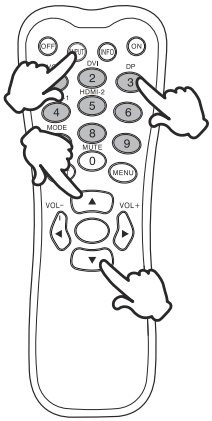
■ Switch the input signal

Press the VIDEO SOURCE Button on the monitor or INPUT Button on the Remote Control to display the Input signal menu when the menu page is not displayed on the screen. Press the ▲ / ▼ Button or Input source Button to switch the Input signal.

[Monitor]



[Remote Control]



CONNECTING YOUR MONITOR

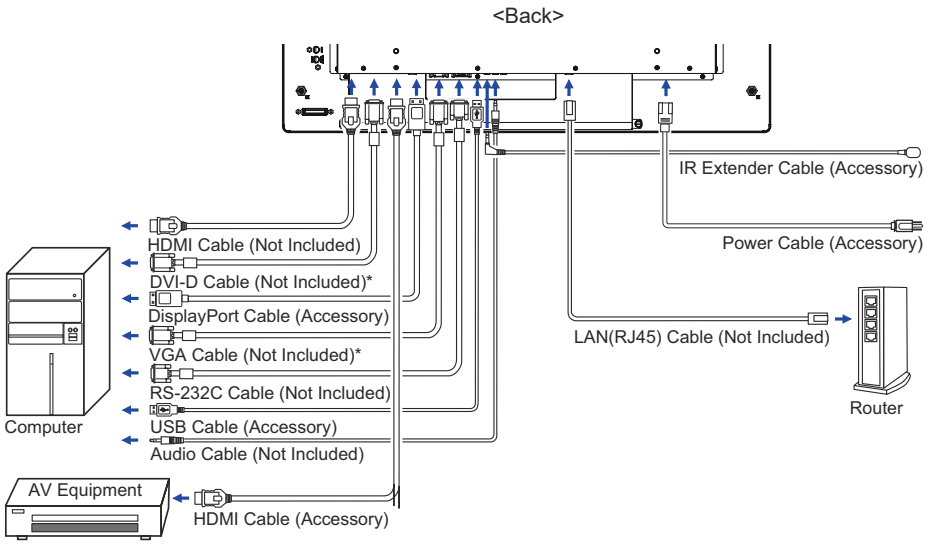
①Ensure that both the computer and the monitor are switched off.
②Connect the computer to the monitor with the signal cable.
③Connect the computer to the monitor with the USB Cable.
④Connect the Power Cable to the monitor first and then to the power source.
⑤Turn on your monitor (Main Power Switch and 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.
- 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.*
- Excessive sound pressure from ear-/headphones can cause hearing damage/hearing loss.

ENGLISH

[Example of Connection]



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

[Network Connection]

●Connecting to a LAN

To set the monitor to connect to a local area network.

1. Connect a RJ45 cable to the corresponding ports on the monitor and your LAN switch or router.
2. Enter the OSD menu Setting > Control Setting. Select LAN.
3. Enter the next OSD menu Setting > Network Settings > IP Address DHCP or Manual

Setup

- If you are in a DHCP environment, highlight Auto Setup and select On. Once done, the IP Address, Subnet Mask, Default Gateway, and Primary DNS settings will be displayed.
- If you are not in a DHCP environment, highlight Auto Setup and select Off. Contact your ITS administrator for information on the IP Address, Subnet Mask, Default Gateway, and Primary DNS settings and enter it accordingly.

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●Controlling the Monitor

Once you have the correct IP Address for your monitor and the monitor is on or in standby mode, you can use any computer that is on the same local area network to control the monitor.

NOTE
- You can not control the monitor via the RS-232C connector when LAN control is in use.
- It is recommended that you use Google Chrome versions 51.0.2704.103 or higher browser.

1. Enter the IP Address of the monitor in the address bar of your browser and press ENTER button.
2. The setting page appears.
   INFORMATION / PICTURE&SOUND / SCREEN / SETTING / SCHEDULE / NETWORK

COMPUTER SETTING

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

■ Windows XP/Vista/7/8/8.1/10 Plug & Play
The iiyama LCD monitor complies with DDC2B of VESA standard. The Plug & Play function runs on Windows XP/Vista/7/8/8.1/10 by connecting the monitor to DDC2B compliant computer with the Signal Cable supplied.
For installation on Windows XP: The monitor Information File for iiyama monitors may be necessary for your computer and obtained via the Internet, using the address:

http://www.iiyama.com

NOTE

■ 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 Windows7/8/8.1/10 by connecting the monitor to DDC2B compliant computer with the USB cable supplied.

■ TOUCH support operation system :

OS Version (Windows)	Windows			
	Win 10	Win8	Win7	XP
Supported touches	multi-touch			
Note	Windows inbox driver (No Need SiS driver)			Single-touch

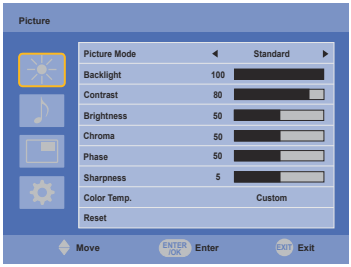
OS Version (Linux Distribution)	Android				Linux
	7.0	6.0	5.0 ~ 5.1	4.0 ~ 4.4	
Supported touches	multi-touch				
Supported Kernel version	4.4	3.18	3.0~3.14		3.0~4.4
Note	Driver supports multi-touch				

OS Version (Mac OS)	Mac OS			
	10.9 (Mavericks)	10.10 (Yosemite)	10.11 (El Capitan)	10.12 (Sierra) 10.13 (High Sierra)
Supported touches	Single-touch			
Note	Similar to Apple Trackpad gesture: 2-finger gesture: zoom in/out, swipe 4-finger gesture: show desktop	Similar to Apple Trackpad gesture: 2-finger gesture: zoom in/out, swipe 4-finger gesture: show desktop Our service team provides you with the driver and the operation guide.	Similar to Apple Trackpad gesture: 2-finger gesture: zoom in/out, swipe 4-finger gesture: show desktop Our service team provides you with the driver and the operation guide.	Our service team provides you with the driver and the operation guide.

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 28 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.**

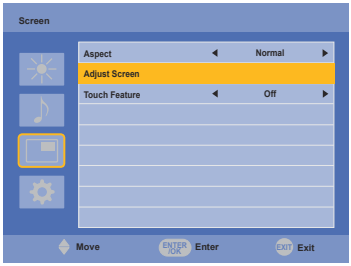


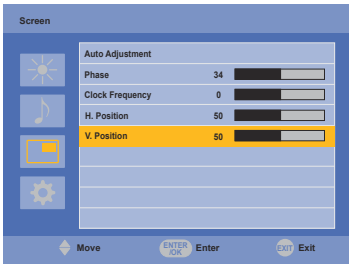
② **Select the Menu item of the adjustment you want to make. Press the OK button on the remote control or ENTER button on the monitor and enter the menu page. Then, use the ▲ / ▼ buttons to highlight the desired adjustment item.**

③ **Press the OK button on the remote control or ENTER button on the monitor 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 "Screen" by using the ▲ / ▼ buttons. Press the OK button on the remote control. Next, select "Adjust Screen" by using the ▲ / ▼ buttons. Press the OK button on the remote control. 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 on the remote control lastly, it ends, all changes are saved in the memory.

NOTE

- The EXIT button on the remote control 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.

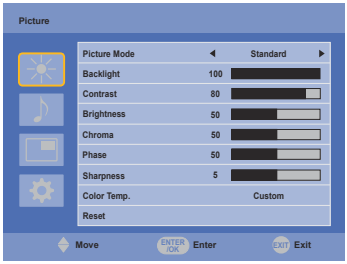
[LOCK MODE] * Available Back Controller only.

- **Back Controller Button:**
  Pressing and holding the MENU and ▲ buttons for about 5 seconds, will lock/unlock the Back Controller Button Lock function.
- **Power Button:**
  Pressing and holding the MENU and ENTER buttons for about 5 seconds, will lock/unlock the Power Button Lock function.
- **Remote Control Button:**
  Pressing and holding the MENU and ▶ buttons for about 5 seconds, will lock/unlock the Remote Control Button Lock function.

- **PALM REJECTION FUNCTION:**
  Palm rejection is a way to disregard touch made with “a large contact area” while finger modes.
  A large contact area : palm, clenched fist, elbow, arm, etc.
  When you touch the screen with a finger, palm rejection is activated and the screen does not recognize touch made with the large contact area.

ADJUSTMENT MENU CONTENTS

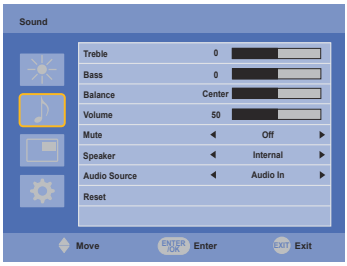
Picture



Adjustment Item	Problem / Option		Button to Press
Picture Mode*3	Vivid	For displaying outdoor scenery images.	
	Standard	For general windows environment and monitor default setting.	
	Cinema	For movie and video environment.	
	Custom	Displays a picture on a screen set by Image Settings adjustments.	
Backlight	Brightness of back light is reduced.		▶ ◀
Contrast*3	Too dull Too intense		▶ ◀
Brightness*1,3	Too dark Too bright		▶ ◀
Chroma*2	Too weak Too strong		▶ ◀
Phase	Purplish Greenish		▶ ◀
Sharpness	Too soft Too sharp		▶ ◀
Color Temp.*3	Cool	Bluish white	
	Neutral	Greenish white	
	Warm	Reddish white	
	Custom	R G B	Too weak Too strong ▶ ◀
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 HDMI and DisplayPort inputs.
*3 Contrast, Brightness, Color Temp. and Picture Mode cannot be adjusted and selected while Adv. Contrast is active.

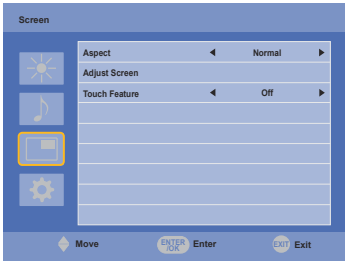
Sound



Adjustment Item	Problem / Option	Button to Press
Treble	Too weak	▶
	Too strong	◀
Bass	Too weak	▶
	Too strong	◀
Balance	Left side speaker louder	▶
	Right side speaker louder	◀
Volume	Too soft	▶
	Too loud	◀
Mute	Off	Return the sound volume to the previous level.
	On	Turn off the sound temporarily.
Speaker	Internal	Select the Internal Speaker.
	Line-out *	Select the External Speaker or Headphone.
Audio Source	Auto	Select the audio input automatically.
	Audio-In	Select the Line-In input.
Reset	Cancel	Return to Menu.
	OK	Resets all settings in the Sound Settings menu.

* Available for HDMI and DisplayPort input only.

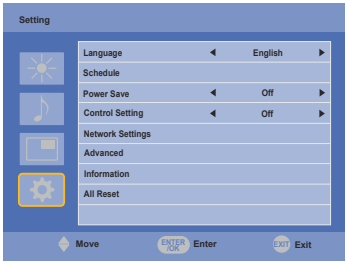
Screen



Adjustment Item	Problem / Option		Button to Press
Aspect*5	Normal*2	Enlarges the picture to fill the screen in the vertical direction, keeping the same aspect ratio.	
	16:10*1	Displays all picture in 16:10 aspect ratio.	
	5:4*1	Displays all picture in 5:4 aspect ratio.	
	4:3*1	Displays all picture in 4:3 aspect ratio.	
	Real*2	Displays the picture dot by dot.	
Adjust Screen*3	Auto Adjustment*4	Cancel	Return to Menu.
		OK	Adjusts 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	▶ ◀
Touch Feature	Off	Return to Menu.	
	On	Enable the touch function. **NOTE** Display wall will be disabled to optimize touch performance.	

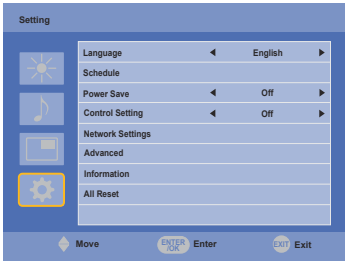
*1 Only HDMI(Video) and DisplayPort inputs.
*2 Only VGA and HDMI(PC) inputs.
*3 Only VGA input.
*4 For best results, use the Auto Adjust in conjunction with the adjustment pattern. See page 28 for SCREEN ADJUSTMENTS.
*5 If the Touch Feature is enabled, this feature is not available.

Setting



Adjustment Item	Problem / Option		Button to Press	
Language	English	English	Nederlands	Dutch
	Français	French	Polski	Polish
	Español	Spanish	Русский	Russian
	Deutsch	German	Italiano	Italian
Schedule	Today *1	Displays the current date and time. Year/Month/Day/Hour/Minute Time set / Date set		
	Clock Display	Off	Clock Display is turned off.	
		On	Displays time.	
	On/Off Timer	Sets when to turn on or off the display. Off/On(Date Set/Input/On Timer/Off Timer)		
Power Save *2	Off	Power Save is turned off.		
	Low	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.		
Control Setting	Off	Control Setting is turned off.		
	RS-232C	Selects the RS-232C to control the display.		
	LAN	Selects this option to control the display via LAN.		
Network Settings *6	DHCP	Cancel	Return to Menu.	
		Execute	Once you are connected, the IP Address, Subnet mask, Default gateway, Primary DNS and Secondary DNS settings are displayed automatically.	
	Manual	If you are not connected, contact your IT administrator for information on the IP Address, Subnet mask, Default gateway, Primary DNS and Secondary DNS settings and enter them accordingly.		
Advanced	Auto Search	Off	Auto Search is turned off.	
		On	Automatically detects available input sources.	
	Auto Adjustment *3	Off	Auto Adjustment is turned off.	
		On	Adjusts Position, Clock Frequency and Phase automatically.	

Setting



Adjustment Item	Problem / Option		Button to Press	
Advanced	OSD Rotation	Landscape	Landscape display	
		Portrait	Portrait display	
	OSD Info Box	Off	OSD Info Box is turned off.	
		On	Switching signal inputs, or changing timing, the current input source and resolution information will be displayed on the screen.	
	Adv. Contrast	Off	Typical Contrast Ratio	
		On	Increased Contrast Ratio	
	DP	Not available on this model.		
	Opening Logo	Off	iiyama Logo does not display when the monitor is turned on.	
		On	iiyama Logo displayed when the monitor is turned on.	
	Anti Image Retention	Dot Wash	Off	Dot wash is turned off.
			On	Draw a 4x4 pixel block on the screen.
		White Wash	To prevent burn-in, set the display time of all white pattern after Sleep mode with no signal. Off / 15min / 30min	
	Fan *4	Auto	The fan turns on automatically when the monitor's internal temperature reaches 60°C or higher.	
		Off	Fan is turned off.	
		On	Fan is turned on.	
Information	Model Name/Operation Time/Software Version/LAN Version/IP Address*5 **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.		

*1 You must set this item when using "On/Off Timer".
*2 RS-232C can bring any mode out of the power saving status.
*3 For best results, use the Auto Adjust in conjunction with the adjustment pattern. See page 28 for SCREEN ADJUSTMENTS.
*4 If the screen is used in face-up position, please be sure to turn on the FAN function.
*5 IP adress is displayed only when LAN is connected.
*6 It can be used when LAN of Control Setting is selected.

SCREEN ADJUSTMENTS

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

- The screen adjustments described in this manual are designed to set image position and minimize flicker or blur for the particular computer in use.
- The monitor is designed to provide the best performance at resolution of 1920 × 1080, but can not provide the best at resolutions of less than 1920 × 1080 because the picture is automatically stretched to fit the full screen. It is recommended to operate at resolution of 1920 × 1080 in normal use.
- Displayed text or lines will be blurred or irregular in thickness when the picture is stretched due to the screen enlargement process.
- It is preferable to adjust the image position and frequency with the monitor controls, rather than the computer software or utilities.
- Perform adjustments after a warm-up period of at least thirty minutes.
- Additional adjustments may be required after the Auto Adjust depending on the resolution or signal timing.
- The Auto Adjust may not work correctly when displaying the picture other than the screen adjustment pattern. In this case, manual adjustments are required.

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

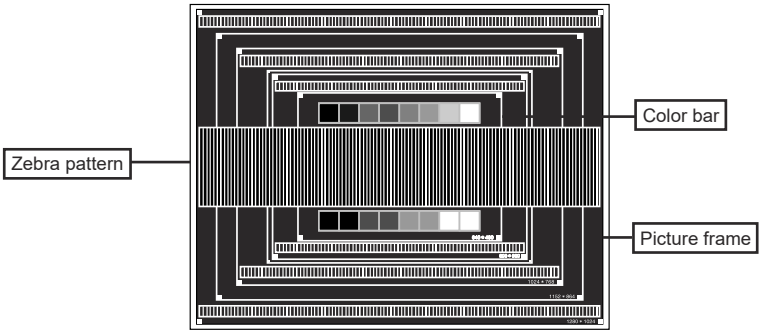
Adjust the image by following the procedure below to get the desired picture.
This manual explains adjustment under Windows® OS.

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

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

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

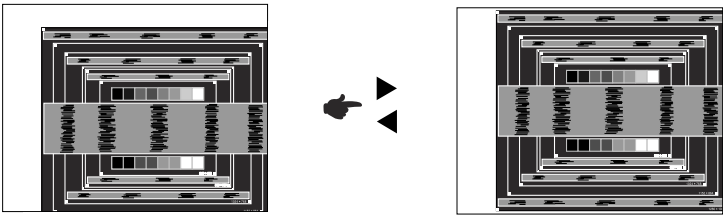
[Adjustment pattern]



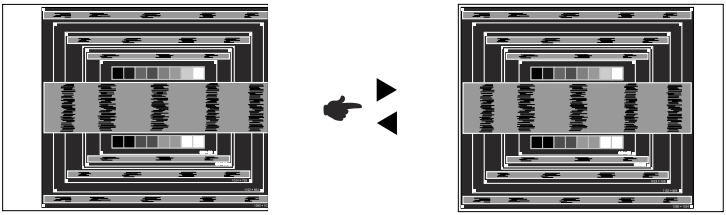
③ **Adjust the Auto Adjustment.**

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.**

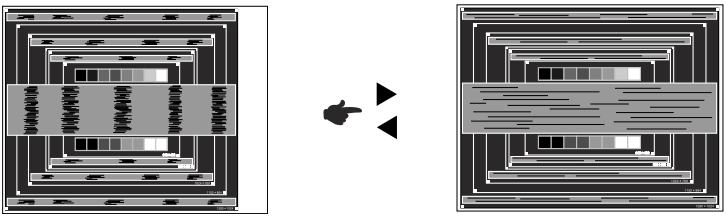
⑤ **Adjust the V-Position so that the top and bottom of the picture frame will fit to the display area.**



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.**



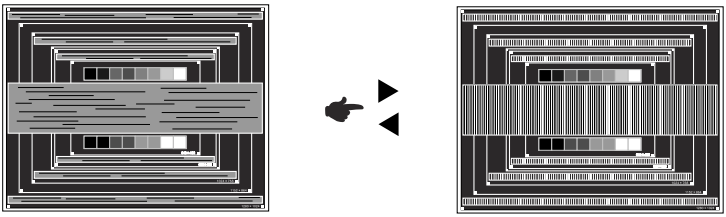
2) Stretch the right side of the picture frame to the right edge of the display area by adjusting the Clock Frequency.



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.**



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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.

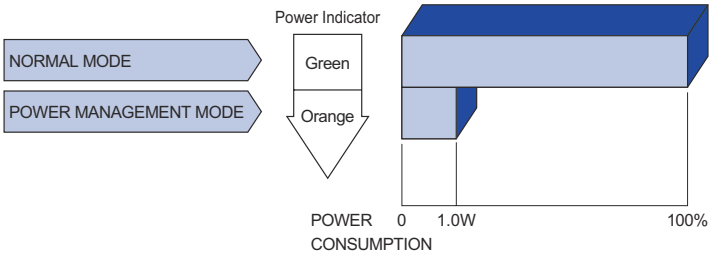
POWER MANAGEMENT FEATURE

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.

■ 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 1.0W. The screen becomes dark, and the power indicator turns to orange. From Power Management Mode, the image reappears in several seconds when either the keyboard or the mouse are touched again.



NOTE

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

TROUBLE SHOOTING

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

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

ENGLISH

Problem	Check
① The picture does not appear.	
(Power indicator does not light up.)	☐ 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.
(Power indicator is green.)	☐ 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.
(Power indicator is orange.)	☐ If the monitor is in power management mode, touch the keyboard or the mouse. ☐ The computer is ON. ☐ The Signal Cable is properly connected. ☐ The signal timing of the computer is within the specification of the monitor.
② The screen is not synchronized.	☐ The Signal Cable is properly connected. ☐ 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.

Problem	Check
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.

ENGLISH

RECYCLING INFORMATION

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

APPENDIX

Design and specifications are subject to change without prior notice.

SPECIFICATIONS : ProLite TF3238MSC-B2AG

Touch Screen	Technology	Projected capacitive 12points
	Light transmission	84%
	Hardness	7H
	Thickness	3mm
	Communication system	USB serial transfer
Size Category		32"
LCD Panel	Panel technology	MVA
	Size	Diagonal: 32" (80cm)
	Pixel pitch	0.3637mm H × 0.3637mm V
	Brightness	500cd/m^2 (Typical: without 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		Analog: Horizontal: 30.0-83.0kHz, Vertical: 50-76Hz Digital: Horizontal: 30.0-83.0kHz, Vertical: 23-76Hz
Maximum Resolution		1920 × 1080, 2.1 MegaPixels
Input Connector		VGA, DVI-D, HDMI×2, DisplayPort
Input Audio Connector		mini jack
LAN		RJ45
Serial Port		RS-232C In
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		2Vrms maximum
External IR Connector		mini jack
Headphone Connector		RCA(L/R)
Speakers		8W×2 (Stereo speakers)
Maximum Screen Size		698.40mm W × 392.85mm H / 27.5" W × 15.5" H
Power Source		100-240VAC, 50-60Hz, 1.2A
Power Consumption*		60W typical, Power management mode: 1.0W maximum Energy Efficiency Class: B
Dimensions / Net Weight		748.5 × 450.0 × 68.0mm / 29.5 × 17.7 × 2.7" (W×H×D) 14.5kg / 31.9lbs
Environmental Considerations		Operating: Temperature 0 to 40°C / 32 to 104°F Humidity 90% (No condensation) Storage: Temperature -20 to 60°C / 4 to 140°F Humidity 90% (No condensation)
Approvals		CB, CE, EAC, TÜV-Bauart, cULus

NOTE * USB peripherals / Audio equipment are not connected.

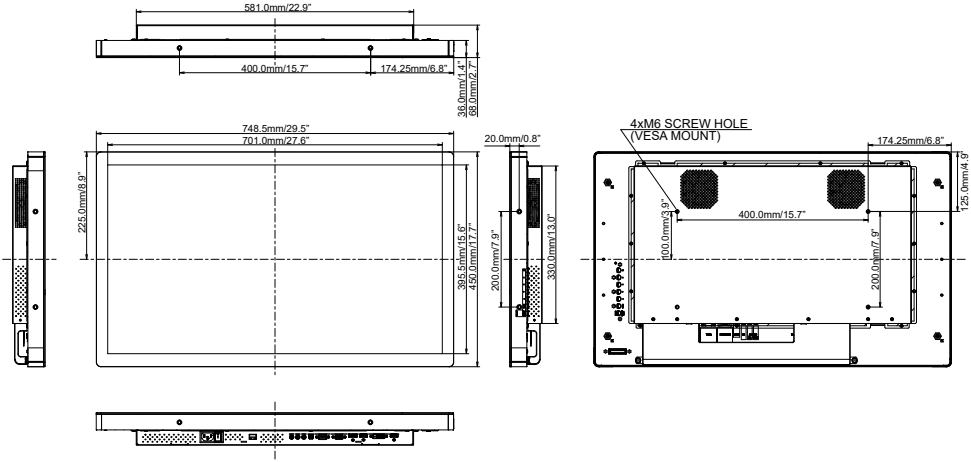
SPECIFICATIONS : ProLite TF4338MSC-B2AG

Touch Screen	Technology	Projected capacitive 12points
	Light transmission	84%
	Hardness	7H
	Thickness	3mm
	Communication system	USB serial transfer
Size Category		43"
LCD Panel	Panel technology	IPS
	Size	Diagonal: 43" (108cm)
	Pixel pitch	0.4902mm H × 0.4902mm V
	Brightness	450cd/m^2 (Typical: without Touch panel)
	Contrast ratio	1100 : 1 (Typical)
	Viewable angle	Horizontal : 178 degrees, Vertical: 178 degrees (Typical)
	Response time	12ms (Gray to Gray)
Display Colors		Approx.16.7M
Sync Frequency		Analog: Horizontal: 30.0-83.0kHz, Vertical: 50-76Hz Digital: Horizontal: 30.0-83.0kHz, Vertical: 23-76Hz
Maximum Resolution		1920 × 1080, 2.1 MegaPixels
Input Connector		VGA, DVI-D, HDMI×2, DisplayPort
Input Audio Connector		mini jack
LAN		RJ45
Serial Port		RS-232C In
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		2Vrms maximum
External IR Connector		mini jack
Headphone Connector		RCA(L/R)
Speakers		8W×2 (Stereo speakers)
Maximum Screen Size		941.18mm W × 529.41mm H / 37.1" W × 20.8" H
Power Source		100-240VAC, 50-60Hz, 1.2A
Power Consumption*		75W typical, Power management mode: 1.0W maximum Energy Efficiency Class: A
Dimensions / Net Weight		987.5 × 587.5 × 68.0mm / 38.9 × 23.1 × 2.7" (W×H×D) 21.6kg / 47.6lbs
Environmental Considerations		Operating: Temperature 0 to 40°C / 32 to 104°F Humidity 90% (No condensation) Storage: Temperature -20 to 60°C / 4 to 140°F Humidity 90% (No condensation)
Approvals		CB, CE, EAC, TÜV-Bauart, cULus

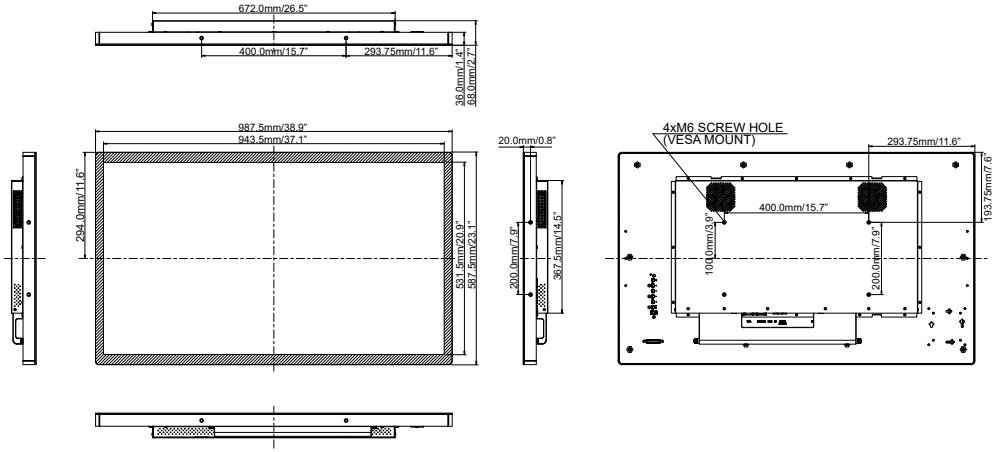
NOTE * USB peripherals / Audio equipment are not connected.

ENGLISH

DIMENSIONS : ProLite TF3238MSC-B2AG



DIMENSIONS : ProLite TF4338MSC-B2AG



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
	SXGA	1280 × 1024	63.981kHz	60.020Hz	108.000MHz
			79.976kHz	75.025Hz	135.000MHz
	WSXGA+	1680 × 1050	65.290kHz	59.954Hz	146.250MHz
	Full HD	1920 × 1080	67.500kHz	60.000Hz	148.500MHz
SD	480p	60Hz	31.469kHz	59.940Hz	27.000MHz
	576p	50Hz	31.250kHz	50.000Hz	27.000MHz
HD	720p	50Hz	37.500kHz	50.000Hz	74.250MHz
	720p	60Hz	45.000kHz	60.000Hz	74.250MHz
	1080p	24Hz	27.000kHz	24.000Hz	74.250MHz
	1080p	30Hz	33.750kHz	30.000Hz	74.250MHz
	1080p	50Hz	56.250kHz	50.000Hz	148.500MHz
	1080p	60Hz	67.500kHz	60.000Hz	148.500MHz