User's Guide

W2061TQ W2361TQ

Make sure to read the Important Precautions before using the product. Keep the User's Guide(CD) in an accessible place for future reference.

See the label attached on the product and give the information to your dealer when you ask for service.



Important Precautions

This unit has been engineered and manufactured to ensure your personal safety, however improper use may result in potential electrical shock or fire hazards. In order to allow the proper operation of all safeguards incorporated in this display, observe the following basic rules for its installation, use, and servicing.

On Safety

Use only the power cord supplied with the unit. In case you use another power cord, make sure that it is certified by the applicable national standards if not being provided by the supplier. If the power cable is faulty in any way, please contact the manufacturer or the nearest authorized repair service provider for a replacement.

The power supply cord is used as the main disconnection device. Ensure that the socket-outlet is easily accessible after installation.

Operate the display only from a power source indicated in the specifications of this manual or listed on the display. If you are not sure what type of power supply you have in your home, consult with your dealer.

Overloaded AC outlets and extension cords are dangerous. So are frayed power cords and broken plugs. They may result in a shock or fire hazard. Call your service technician for replacement.

As long as this unit is connected to the AC wall outlet, it is not disconnected from the AC power source even if the unit is turned off.

Do not Open the Display:

- There are no user serviceable components inside.
- There are Dangerous High Voltages inside, even when the power is OFF.
- Contact your dealer if the display is not operating properly.

To Avoid Personal Injury:

- Do not place the display on a sloping shelf unless properly secured.
- Use only a stand recommended by the manufacturer.
- Do not drop an object on or apply impact to the product. Do not throw any toys or objects on the product screen.
 - It can cause injury to human, problem to product and damage the display.

To Prevent Fire or Hazards:

- Always turn the display OFF if you leave the room for more than a short period of time. Never leave the display ON when leaving the house.
- Keep children from dropping or pushing objects into the display's cabinet openings. Some internal parts carry hazardous voltages.
- Do not add accessories that have not been designed for this display.
- When the display is to be left unattended for an extended period of time, unplug it from the wall outlet.
- In the presence of thunder and lightning, never touch the power cord and signal cable because it can be very dangerous. It can cause electric shock.

On Installation

Do not allow anything to rest upon or roll over the power cord, and do not place the display where the power cord is subject to damage.

Do not use this display near water such as near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

Displays are provided with ventilation openings in the cabinet to allow the release of heat generated during operation. If these openings are blocked, built-up heat can cause failures which may result in a fire hazard. Therefore, NEVER:

- Block the bottom ventilation slots by placing the display on a bed, sofa, rug, etc.
- Place the display in a built-in enclosure unless proper ventilation is provided.
- Cover the openings with cloth or other material.
- Place the display near or over a radiator or heat source.

Do not rub or strike the Active Matrix LCD with anything hard as this may scratch, mar, or damage the Active Matrix LCD permanently.

Do not press the LCD screen with your finger for a long time as this may cause some afterimages.

Some dot defects may appear as Red, Green or Blue spots on the screen. However, this will have no impact or effect on the display performance.

If possible, use the recommended resolution to obtain the best image quality for your LCD display. If used under any mode except the recommended resolution, some scaled or processed images may appear on the screen. However, this is characteristic of the fixed-resolution LCD panel.

Leaving a fixed image on the screen for a long time may cause damage to the screen and cause image burn-in. Make sure to use a screen saver on the product. Burn-in and related problems are not covered by the warranty on this product.

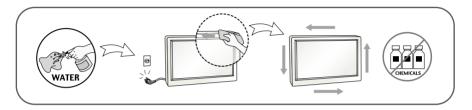
Do not shock or scratch the front and sides of the screen with metallic objects. Otherwise, it may cause damage to the screen.

Make sure the panel faces forward and hold it with both hands to move. If you drop the product, the damaged product can cause electric shock or fire. Contact an authorized the service center for repair.

Avoid high temperatures and humidity.

On Cleaning

- Unplug the display before cleaning the face of the display screen.
- Use a slightly damp (not wet) cloth. Do not use an aerosol directly on the display screen because over-spraying may cause electrical shock.
- When cleaning the product, unplug the power cord and scrub gently with a soft cloth to prevent scratching. Do not clean with a wet cloth or spray water or other liquids directly onto the product. An electric shock may occur. (Do not use chemicals such as benzene, paint thinners or alcohol)
- Spray water onto a soft cloth 2 to 4 times, and use it to clean the front frame; wipe in one direction only. Too much moisture may cause staining.



On Repacking

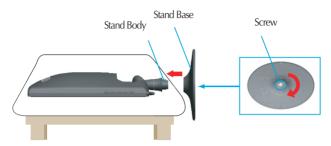
 Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it in its original material.

On Disposal

- The fluorescent lamp used in this product contains a small amount of mercury.
- Do not dispose of this product with general household waste.
- Disposal of this product must be carried out in accordance to the regulations of your local authority.

Connecting the stand

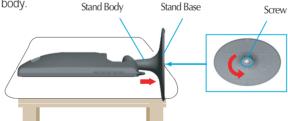
- ${f 1.}$ Place the monitor with its front facing downward on a soft cloth.
- **2.** Assemble the stand base into stand body in the correct direction as shown in the picture, then tighten the screw which is attached to the stand base.



3. Once assembled take the monitor up carefully and face the front side.

Disassembling the stand

- 1. Place the monitor face down on the cushion or soft cloth.
- Loosen the screw which is attached to the stand base, then take off the stand base from stand body.
 Stand Body
 Stand Base



Important

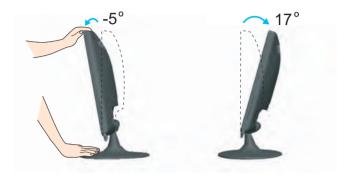
- This illustration depicts the general model of connection. Your monitor may differ from the items shown in the picture.
- Do not carry the product upside down holding only the stand base. The product may fall and get damaged or injure your foot.

Connecting the Display

■ Before setting up the monitor, ensure that the power to the monitor, the computer system, and other attached devices is turned off.

Positioning your display

- 1. Adjust the position of the panel in various ways for maximum comfort.
 - Tilt Range: -5°~17°



Ergonomic

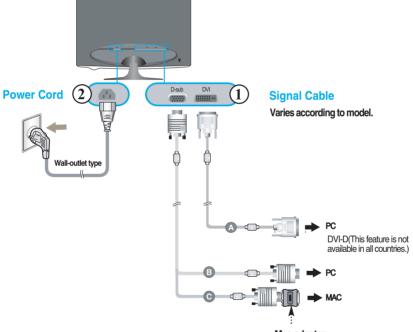
It is recommended that in order to maintain an ergonomic and comfortable viewing position, the forward tilt angle of the monitor should not exceed 5 degrees.

Using the Computer

- Make sure to turn off the computer and product. Connect the cable as below sketch map form ① to ②.
- A Connect DVI-D Cable
- B Connect D-sub Cable (PC)
- C Connect D-sub Cable (Mac)

NOTE

- This is a simplified representation of the rear view.
- This rear view represents a general model; your display may differ from the view as shown.
- User must use shielded signal interface cables (D-sub 15 pin cable, DVI cable) with ferrite cores to maintain standard compliance for the product.

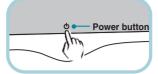


Mac adapter

For Apple Macintosh use, a separate plug adapter is needed to change the 15 pin high density (3 row) D-sub VGA connector on the supplied cable to a 15 pin 2 row connector.

Connecting the Display

 Touch the power button on the front of panel to turn the power on. When monitor power is turned on, the 'Self Image Setting Function' is executed automatically. (Only to the D-sub signal cable input)



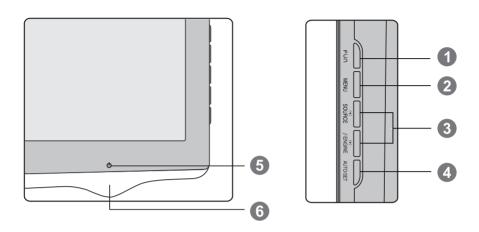
PROCESSING SELF
IMAGE SETTING

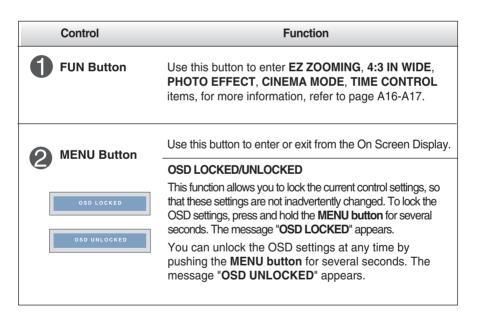
NOTE

'Self Image Setting Function'? This function provides the user with optimal display settings. When the user connects the monitor for the first time, this function automatically adjusts the display to optimal settings for individual input signals.

'AUTO/SET Function'? When you encounter problems such as blurry screen, blurred letters, screen flicker or tilted screen while using the device or after changing screen resolution, touch the AUTO/SET function button to improve resolution.

Front Panel Controls





Control Panel Functions

Control	Function
3 ▲▼Buttons	Use these buttons to select or adjust functions in the On Screen Display.
▼ Button (For more information, refer to page A18.
▲ Button (SOURCE)	Use this button to make either D-sub or DVI connector avtive. This feature is used when two computers are connected to this display. The default setting is D-sub.
AUTO/SET Button	Use this button to select an icon in the On Screen Display.
PROCESSING AUTO IMAGE ADJUSTMENT	AUTO IMAGE ADJUSTMENT When adjusting your display settings, always press the AUTO/SET button prior to entering the On Screen Display(OSD). This will automatically adjust your display image to the ideal settings for the current screen resolution size (display mode). The best display mode is: W2061TQ: 1600 x 900 W2361TQ: 1920 x 1080
6 Power Button	Use this button to turn the display on or off. Operate key up to Red decoration area around button even back side.
6 Power Indicator	This Indicator lights up as red when the display is operating normally(On Mode). If the display is in Sleep Mode (Energy Saving), this indicator color changes to flicker.

On Screen Display (OSD) Control Adjustment

Screen Adjustment

Making adjustments to the image size, position and operating parameters of the display is quick and easy with the On Screen Display Control system. A short example is given below to familiarize you with the use of the controls. The following section is an outline of the available adjustments and selections you can make using the OSD.

NOTE

■ Allow the display to stabilize for at least 30 minutes before making image adjustments.

To make adjustments in the On Screen Display, follow these steps:



- Press the MENU Button, then the main menu of the OSD appears.
- 2 To access a control, use the ▲ or ▼ Buttons. When the icon you want becomes highlighted, press the AUTO/SET Button.
- Use the ▲/ ▼ Buttons to adjust the image to the desired level. Use the AUTO/SET Button to select other sub-menu items.
- Push the MENU Button once to return to the main menu to select another function. Push the MENU Button twice to exit from the OSD.

The following table indicates all the On Screen Display control, adjustment, and setting menus.

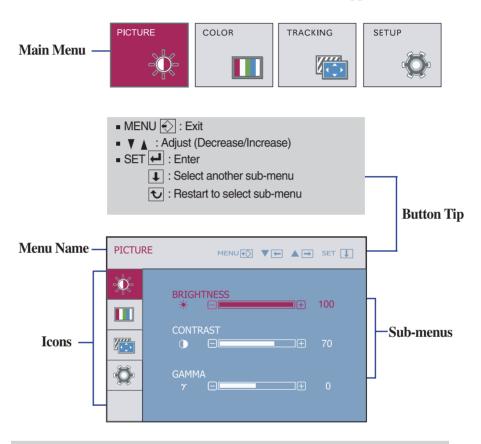
Main menu	Sub-ı	nenu	Α	D	Reference	
EZ ZOOMING			•	•	To adjust the resolution	
4:3 IN WIDE			•		To adjust the image size	
	NORMAL	NORMAL		•		
РНОТО	GAUSSIAN BLUR		•	•	To adjust screen color mode	
EFFECT	SEPIA		•	•		
	MONOCHRO	MONOCHROME		•		
CINEMA MODE			•	•	To focus on the moving picture selected	
TIME CONTROL			•	•	To mind user using time	
	BRIGHTNES	SS	•			
PICTURE	CONTRAST		•	•	To adjust the brightness, contrast and gamma of the screen	
	GAMMA		•	•	garrina of the screen	
		sRGB	•	•		
	PRESET	6500K	•	•		
COLOR		9300K	•	•	T	
COLOR	RED		•		To customize the color of the screen	
	GREEN		•	•		
	BLUE		•	•		
	HORIZONTAL		•		To adjust the position of the screen	
	VERTICAL		•		To adjust the position of the screen	
TRACKING	CLOCK		•			
	PHASE		•		To improve the clarity and stability of the screen	
	SHARPNES	 S	•	•	Solodi	
	LANGUAGE		•	•		
	OSD	HORIZONTAL	•	•		
	POSITION	VERTICAL	•	•		
SETUP	WHITE BALANCE		•		To customize the screen status for a user's operating environment	
	RTC		•	•	3	
	POWER INC	ICATOR	•	•		
	FACTORY RESET		•	•		
FLATRON F-ENGINE	MOVIE		•	•		
	INTERNET		•	•		
	USER		•	•	To select or customize desired image settings	
	NORMAL		•		- Couringo	
	DEMO		•	•		
			-	A :	Adjustable Analog Input Digital Input	

NOTE

■ The order of icons may differ depending on the model (A11~A18).

You were introduced to the procedure of selecting and adjusting an item using the OSD system. Listed below are the icons, icon names, and icon descriptions of the all items shown on the Menu.

Press the MENU Button, then the main menu of the OSD appears.



NOTE

■ OSD (On Screen Display) menu languages on the monitor may differ from the manual.

■ SET : Select another sub-menu

Main menu Sub menu **Description PICTURE **** To adjust the brightness of the screen. **BRIGHTNESS** PICTURE MENU∰ ▼₩ ▲₩ SET ↓ To adjust the contrast of the screen. **CONTRAST GAMMA** Set your own gamma value. : -50/0/50 Ö On the monitor, high gamma values display whitish images and low gamma values display high contrast images. ■ MENU : Exit ■ ▼ : Decrease ■ **\(\)** : Increase



Main menu	Sub menu	Description
TRACKING		
TRACKING MENUED ▼ ■ ▲ → SET ↓	HORIZONTAL	To move image left and right.
HORIZONTAL 50	VERTICAL	To move image up and down.
VERTICAL VERTICAL FOR SO		
TRACKING MENUE VE A SET 1. CLOCK PHASE PHASE PO 90	CLOCK	To minimize any vertical bars or stripes visible on the screen background. The horizontal screen size will also change.
SHARPNESS A D 5	PHASE	To adjust the focus of the display. This item allows you to remove any horizontal noise and clear or sharpen the image of characters.
 ■ MENU : Exit ■ ▼ : Decrease ■ ▲ : Increase ■ SET : Select another sub-me 	SHARPNESS nu	To adjust the clearness of the screen.

N	1ain menu	Sub menu	Description
SETUP	SETUP	LANGUAGE	To choose the language in which the control names are displayed.
OSD HO	MENUES VE A SET NGUAGE	OSD POSITION	To adjust position of the OSD window on the screen.
SETUP SETUP WE RI PO	SUB 1280 × 1024 60HZ MENUEN VEH A SET ATTE BALANCE NO TC NO TCTORY RESET NO DSUB 1280 × 1024 60HZ	WHITE BALANCE	If the output of the video card is different the required specifications, the color level may deteriorate due to video signal distortion. Using this function, the signal level is adjusted to fit into the standard output level of the video card in order to provide the optimal image. Activate this function when white and black colors are present in the screen. (only for DSUB input)
■ À : A	J : Exit Adjust Adjust Select another sub-mer	RTC	If you set ON , you enable the Response Time Control function. If you set OFF , you disable the Response Time Control function.
		POWER INDICATOR	Use this function to set the power indicator on the front side of the monitor to ON or OFF . If you set OFF , it will go off. If you set ON at any time, the power indicator will automatically be turned on.
		FACTORY RESET	Restore all factory default settings except "LANGUAGE." Press the

If this does not improve the screen image, restore the factory default settings. If necessary, perform the white balance function again. This function will be enabled only when the input signal is an analog signal.

■■ The OSD screen will appear when you touch the **FUN** button on the right bottom of the monitor.











Main menu

Sub menu

Description



EZ ZOOMING

EZ Zoom lowers the display's resolution in single-step increments. Depressing the button once lowers the resolution by one step; while a second button-press returns the resolution to the original display settings.

*This function is operated only if the forteManager is installed to PC.



4:3 IN WIDE

To select the image size of the screen.





• WIDE: Switch to full screen mode according to input image signal.

• 4:3: Change the image signal ratio into 4:3.

Main menu

Sub menu

Description



PHOTO EFFECT

To select the color of the screen.







NORMAL

GAUSSIAN BLUR

• NORMAL : The PhotoE

The PhotoEffect function is disabled.

• GAUSSIAN BLUR:

This option is to add the effect to the screen that the dark and sharp image becomes brighter and more blurred.

• SEPIA:

This option changes the screen to be Sepia tone. The Sepia tone is brown color tone.

MONOCHROME:

This option changed the screen to be Gray tone. The screen image is displayed with just white, black, gray colors.





SEPIA

MONOCHROME



CINEMA MODE It focuses better on the moving picture in selected area.

*This function is operated only if the fortemanager is installed to pc.



TIME CONTROL Remind user using time by showing alarm OSD and flickering LED.

Selection: OFF/1HR/2HR

■■ The OSD screen will appear when you touch the FENGINE button on the right bottom of the monitor





■ MENU : Exit

▼. ▲ : Move

Sub menu Description

MOVIE This feature lets you easily select the best desired **INTERNET** image condition optimized to the environment (ambient illumination, image types etc).

MOVIE: For animation images in videos or movies

INTERNET: For text images (Word processing etc.)



To adjust the USER sub-menu function, press the AUTO/SET Button.



■ MENU : Exit
■ ▼ : Decrease

■ SET : Select another sub-menu

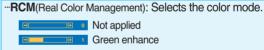
: Increase

User

You can manually adjust ACE or RCM.

You can save or restore the adjusted value even when using a different environment.

···**ACE**(Adaptive Clarity Enhancer): Selects the clarity mode.



Flesh tone
Color Enhance



NORMAL This is under normal operating conditions.

* Normal mode is when f-ENGINE is turned off.

This is just for advertising to customer in the shops. It's setting is same with Movie mode and screen is divided by half.

Check the following before calling for service.

No image appears

- Is the power cord of the display connected?
- Check and see if the power cord is connected properly to the power outlet.
- Is the power indicator light on?
- Press the Power button.
- Is the power indicator flickering?
- If the display is in power saving mode, try moving the mouse or pressing any key on the keyboard to bring up the screen.
- Try to turn on the PC.
- Do you see an "OUT OF RANGE" message on the screen?
- This message appears when the signal from the PC (video card) is out of horizontal or vertical frequency range of the display. See the 'Specifications' section of this manual and configure your display again.
- Do you see a "CHECK SIGNAL CABLE" message on the screen?
- This message appears when the signal cable between your PC and your display is not connected. Check the signal cable and try again.

Do you see a "OSD LOCKED" message on the screen?

- Do you see "OSD LOCKED" when you push MENU button?
- You can secure the current control settings, so that they cannot be inadvertently changed.
 You can unlock the OSD controls at any time by pushing the MENU button for several seconds: the message
 - "OSD UNLOCKED" will appear.

Display image is incorrect

- Display Position is incorrect.
- Press the AUTO/SET button to automatically adjust your display image to the ideal setting.
 If the results are unsatisfactory, adjust the image position using the H position and V position icon in the on screen display.
- On the screen background, vertical bars or stripes are visible.
- Press the AUTO/SET button to automatically adjust your display image to the ideal setting.
 If the results are unsatisfactory, decrease the vertical bars or stripes using the CLOCK icon in the on screen display.
- Any horizontal noise appearing in any image or characters are not clearly portrayed.
- Press the AUTO/SET button to automatically adjust your display image to the ideal setting.
 If the results are unsatisfactory, decrease the horizontal bars using the PHASE icon in the on screen display.
- Check Control Panel --> Display --> Settings and adjust the display to the recommended resolution or adjust the display image to the ideal setting. Set the color setting higher than 24 bits (true color).

Important

- Check Control Panel --> Display --> Settings and see if the frequency or the resolution were changed. If yes, readjust the video card to the recommend resolution.
- If the recommended resolution (optimal resolution) is not selected, letters may be blurred and the screen may be dimmed, truncated or biased. Make sure to select the recommend resolution.
- The setting method can differ by computer and O/S (Operation System), and resolution mentioned above may not be supported by the video card performance. In this case, please ask to the computer or the video card manufacturer.

Display image is incorrect

- The screen color is mono or abnormal.
- Check if the signal cable is properly connected and use a screwdriver to fasten if necessary.
- Make sure the video card is properly inserted in the slot.
- Set the color setting higher than 24 bits (true color) at **Control Panel Settings**.
- The screen blinks.
- Check if the screen is set to interlace mode and if yes, change it to the recommend resolution.
- Please select FACTORY RESET menu and then check again.

Have you installed the display driver?

- Have you installed the display driver?
- Be sure to install the display driver from the display driver CD (or diskette) that comes with your display. Or, you can also download the driver from our web site: http://www.lge.com.
- Do you see an "Unrecognized monitor, Plug&Play (VESA DDC) monitor found" message?
- Make sure to check if the video card supports Plug&Play function.

Display	20 inches (50.8 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating				
	Visible diagonal size: 50.8 cm				
	0.2766*0.2766 mm pixel pitch				
Sync Input	Horizontal Freq.	•	utomatic)		
Sylic iliput	Vertical Freq.	`	30 - 83 kHz (Automatic) 56 - 75 Hz (Automatic)		
	Input Form	Separate TTL, Positive/Negative			
		SOG (Sync On Green)			
		Digital (HDCP)			
Video Input	Signal Input	15 pin D-Sub C	Connector		
			DVI - D connector (Digital)		
	Input Form	Analog (0.7 Vp-p	o/ 75 ohm), Digital		
Resolution	Max	•	1600 x 900 @60 Hz		
			1600 x 900 @60 Hz		
	Recommend VESA 1600 x 900 @60 Hz				
Plug&Play	DDC 2B (Digital), DDC 2AB (Analog)				
Power	On Mode : 40 W(Typ.)		o.)		
Consumption	Sleep Mode	≤ 1 W			
	Off Mode	≤ 1 W			
Dimensions	With S	10.1.0	Without Stand		
&Weight		/ 19.23 inches	48.85 cm / 19.23 inches		
		/ 14.52 inches	31.48 cm / 12.39 inches		
	-1	/ 7.61 inches	6.68 cm / 2.63 inches		
T''. D	Net	3.5 kg (7.93 lbs	5)		
Tilt Range	Tilt -5°~17°				
Power Input	AC 100-240V~ 50/60Hz 1.0A				
Environmental Conditions	Operating Condition				
Conditions	Temperature		o a constant de la constant		
	Humidity 10 % to 80 % non-Condensing				
	Storage Conditions	-20°C to 60 °C			
	Humidity	5 % to 90 % no	on-Condensing		
Stand Base		ached (O)			
_	\(\frac{1}{1}\)				
Power cord	Wall-outlet type				

NOTE

Information in this document is subject to change without notice.

Display 23 inches (58.4 cm) Flat Panel Active matrix-TFT			tive matrix-TFT LCD	
	Anti-Glare coating			
	Visible diagonal size: 58.4 cm			
	0.265*0.265 mm pixel pitch			
Sync Input	Horizontal Freq.	30 - 83 kHz (A	,	
	Vertical Freq.	56 - 75 Hz (Au	,	
	Input Form	•	Positive/Negative	
		SOG (Sync On	•	
	0: 11	Digital (HDCP)		
Video Input	Signal Input	15 pin D-Sub (
	Input Form	DVI - D connector (Digital) Analog (0.7 Vp-p/ 75 ohm), Digital		
		• • • • • •		
Resolution	Max	•	1920 x 1080 @60 Hz	
	Recommend	Digital: VESA 1920 x 1080 @60 Hz VESA 1920 x 1080 @60 Hz		
Diver® Diox	DDC 2B (Digital), DDC 2AB (Analog)			
Plug&Play	, , ,	·	<u>.</u>	
Power	On Mode	: 45 W(Typ	0.)	
Consumption	Sleep Mode	≤ 1 W ≤ 1 W		
	Off Mode		14771 . 0. 1	
Dimensions	With S		Without Stand	
&Weight		/ 21.93 inches	55.69 cm / 21.93 inches	
		/ 16.05 inches	34.09 cm / 13.42 inches	
	<u> </u>	/ 7.61 inches	6.78 cm / 2.67 inches	
	Net	4.5 kg (9.56 lbs	S)	
Tilt Range	Tilt -5°~17°			
Power Input	AC 100-240V~ 50/60Hz 1.0A			
Environmental Conditions	Operating Condition			
Conditions	Temperature	10°C to 35 °C		
	Humidity		non-Condensing	
	Storage Conditions			
	•	-20°C to 60 °C	on Condonsino	
	Humidity	5 % to 90 % no	on-Condensing	
Stand Base	Attached(), Detached (O)			
Power cord	Wall-outlet type			

NOTE

• Information in this document is subject to change without notice.

Preset Modes (Resolution)

■ W2061TQ

Displa	ay Modes (Resolution)	Horizontal Freq. (kHz)	Vertical Freq. (Hz)
1 2 3 4 5 6 7 8	720 x 400 640 x 480 640 x 480 800 x 600 800 x 600 1024 x 768 1024 x 768 1152 x 864 1600 x 900	31.468 31.469 37.500 37.879 46.875 48.363 60.123 67.500 60.000	70 60 75 60 75 60 75 75

^{*} Recommend Mode

W2361TQ

Displ	ay Modes (Resolution)	Horizontal Freq. (kHz)	Vertical Freq. (Hz)
1	720 x 400	31.468	70
2	640 x 480	31.469	60
3	640 x 480	37.500	75
4	800 x 600	37.879	60
5	800 x 600	46.875	75
6	1024 x 768	48.363	60
7	1024 x 768	60.123	75
8	1152 x 864	67.500	75
9	1280 x 1024	63.981	60
10	1280 x 1024	79.976	75
11	1680 x 1050	65.290	60
*12	1920 x 1080	67.500	60

^{*} Recommend Mode

Indicator

MODE	LED Color
On Mode	Red
Sleep Mode	Flicker
Off Mode	Off

Digitally yours •••••····

