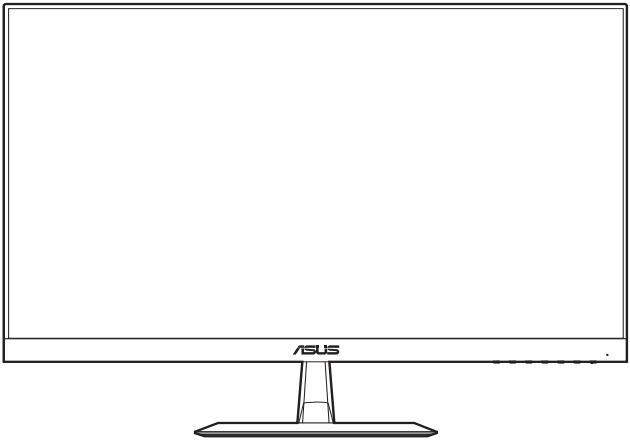
VX24A/VX249 series LCD Monitor

User Guide



HIGH DEFINITION MULTIMEDIA INTERFACE

First Edition

October 2014

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Contents

Notices ..... **iv**
Safety information ..... **v**
Care & Cleaning ..... **vi**
Takeback Services ..... **vii**

Chapter 1: Product introduction

1.1 Welcome! **1-1**
1.2 Package contents **1-1**
1.3 Monitor introduction **1-2**
1.3.1 Front view 1-2
1.3.2 Back view 1-4
1.3.3 QuickFit Function 1-4

Chapter 2: Setup

2.1 Assembling the monitor arm/base **2-1**
2.2 Adjusting the monitor **2-1**
2.3 Connecting the cables **2-2**
2.4 Turning on the monitor **2-3**

Chapter 3: General instructions

3.1 OSD (On-Screen Display) menu **3-1**
3.1.1 How to reconfigure 3-1
3.1.2 OSD function introduction 3-1
3.2 Specifications summary (VX24A) **3-6**
3.2 Specifications summary (VX249) **3-7**
3.2 Specifications summary (VX249HA/VX249NA) **3-8**
3.3 Troubleshooting (FAQ) **3-10**
3.4 Supported operating modes **3-11**

Notices

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

As an Energy Star® Partner, our company has determined that this product meets the Energy Star® guidelines for energy efficiency.

Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

This Class B digital apparatus meets all requirements of the Canadian Interference - Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Réglement sur le matériel brouiller du Canada.

Safety information

- Before setting up the monitor, carefully read all the documentation that came with the package.
- To prevent fire or shock hazard, never expose the monitor to rain or moisture.
- Never try to open the monitor cabinet. The dangerous high voltages inside the monitor may result in serious physical injury.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- Slots and openings on the back or top of the cabinet are provided for ventilation. Do not block these slots. Never place this product near or over a radiator or heat source unless proper ventilation is provided.
- The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
- Use the appropriate power plug which complies with your local power standard.
- Do not overload power strips and extention cords. Overloading can result in fire or electric shock.
- Avoid dust, humidity, and temperature extremes. Do not place the monitor in any area where it may become wet. Place the monitor on a stable surface.
- Unplug the unit during a lightning storm or if it will not be used for a long period of time. This will protect the monitor from damage due to power surges.
- Never push objects or spill liquid of any kind into the slots on the monitor cabinet.
- To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100-240V AC.
- If you encounter technical problems with the monitor, contact a qualified service technician or your retailer.
- The adapter is only used for this monitor, do not use it for other purpose. Your device uses one of the following power supplies:
  - VX24AQ/VX24AH/VX249H: Manufacturer: Delta Electronics Inc., Model: ADP-65GD B
  - VX249N: Manufacturer: Delta Electronics Inc., Model: ADP-40KD BB



This symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment, and mercury-containing button cell battery) should not be placed in municipal waste. Please check local regulations for disposal of electronic products.

AEEE yönetmeliğine uygundur

Care & Cleaning

- Before you lift or reposition your monitor, it is better to disconnect the cables and power cord. Follow the correct lifting techniques when positioning the monitor. When lifting or carrying the monitor, grasp the edges of the monitor. Do not lift the display by the stand or the cord.
- Cleaning. Turn your monitor off and unplug the power cord. Clean the monitor surface with a lint-free, non-abrasive cloth. Stubborn stains may be removed with a cloth dampened with mild cleaner.
- Avoid using a cleaner containing alcohol or acetone. Use a cleaner intended for use with the monitor. Never spray cleaner directly on the screen, as it may drip inside the monitor and cause an electric shock.

The following symptoms are normal with the monitor:

- The screen may flicker during the initial use due to the nature of the fluorescent light. Turn off the Power Switch and turn it on again to make sure that the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- When the same image is displayed for hours, an afterimage of the previous screen may remain after switching the image. The screen will recover slowly or you can turn off the Power Switch for hours.
- When the screen becomes black or flashes, or cannot work anymore, contact your dealer or service center to fix it. Do not repair the screen by yourself!

Conventions used in this guide


WARNING: Information to prevent injury to yourself when trying to complete a task.


CAUTION: Information to prevent damage to the components when trying to complete a task.


IMPORTANT: Information that you MUST follow to complete a task.


NOTE: Tips and additional information to aid in completing a task.

Where to find more information

Refer to the following sources for additional information and for product and software updates.

1. **ASUS websites**
   The ASUS websites worldwide provide updated information on ASUS hardware and software products. Refer to http://www.asus.com

2. **Optional documentation**
   Your product package may include optional documentation that may have been added by your dealer. These documents are not part of the standard package.

Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for our customers to be able to responsibly recycle our products, batteries and other components as well as the packaging materials.

Please go to http://csr.asus.com/english/Takeback.htm for detail recycling information in different region.

1.1 Welcome!

Thank you for purchasing the ASUS® LCD monitor!

The latest widescreen LCD monitor from ASUS provides a broader, brighter and crystal-clear display, plus a host of features that enhance your viewing experience.

With these features, you can enjoy the convenience and delightful visual experience that the monitor brings to you!

1.2 Package contents

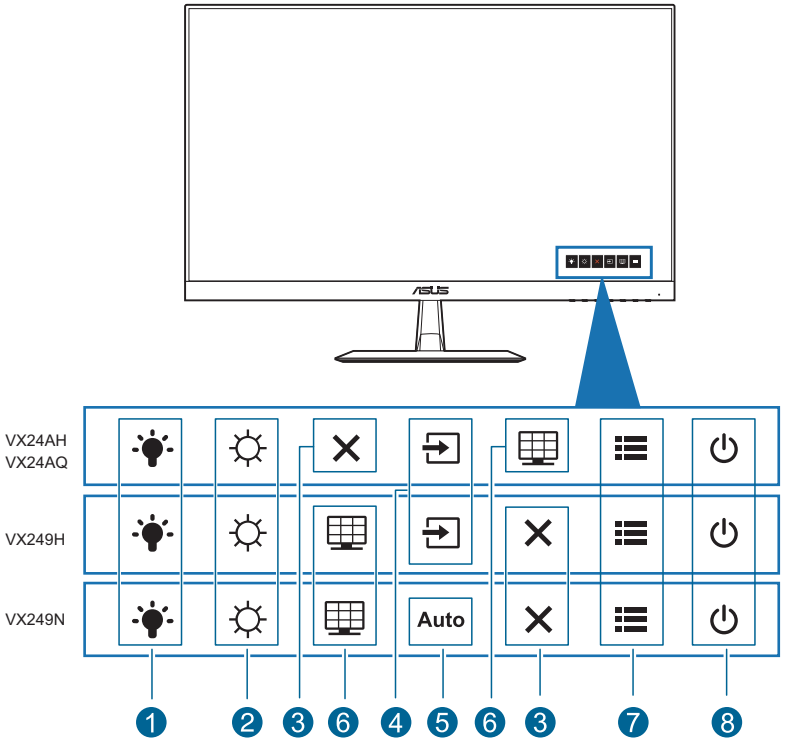
Check your package for the following items:

- ✓ 1 x LCD monitor
- ✓ 1 x Monitor base
- ✓ 1 x Adapter
- ✓ 1 x Power cable
- ✓ 1 x VGA cable
- ✓ 1 x DVI cable (*depends on regions, only available for VX249N)
- ✓ 1 x DP cable (*depends on regions, only available for VX24AQ)
- ✓ 1 x HDMI cable (*depends on regions, only available for VX24AQ/VX24AH/VX249H)
- ✓ 1 x Audio cable (*depends on regions, only available for VX24AQ/VX24AH/VX249H)
- ✓ 1 x Quick start guide
- ✓ 1 x Warranty card

If any of the above items is damaged or missing, contact your retailer immediately.

1.3 Monitor introduction

1.3.1 Front view



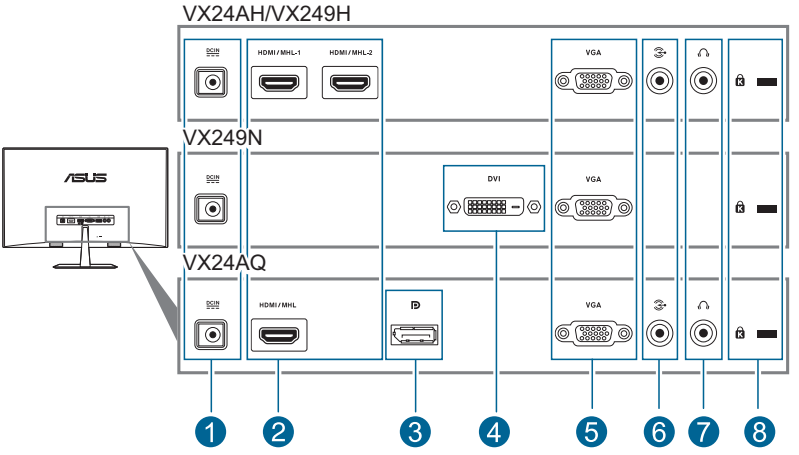
1. Shortcut 1:
   - Default: Blue light filter hotkey.
   - To change the hotkey function, go to the Shortcut > Shortcut 1 menu.
2. Shortcut 2:
   - Default: Brightness hotkey.
   - To change the hotkey function, go to the Shortcut > Shortcut 2 menu.
3. Button:
   - Exits the OSD menu or goes back to the previous menu when the OSD menu is active.
4. Input Select Button:
   - Selects an available input source.

Press Button (Input Select Button) to display VGA, HDMI/MHL (HDMI/MHL-1), HDMI/MHL-2, DVI, DisplayPort signals* after you connect VGA, HDMI, DVI or DisplayPort cable with the monitor.
*Depends on the actual design of the monitor.

5. **Auto** Button:
   - Automatically adjusts the image to its optimized position, clock, and phase by pressing this Button for 2-4 seconds (for VGA mode only).
6. QuickFit Button:
   - Activates the QuickFit function designed for alignment. The QuickFit function contains 8 pages of common grid patterns, paper sizes, and photo sizes.
7. Menu Button:
   - Turns on the OSD menu.
   - Toggles the Key Lock function between on and off with a long press for 5 seconds.
8. Power Button/Power Indicator
   - Turns the monitor ON/OFF.
   - The color definition of the power indicator is as the below table.

Status	Description
White	ON
Amber	Standby mode
Off	OFF

1.3.2 Back view



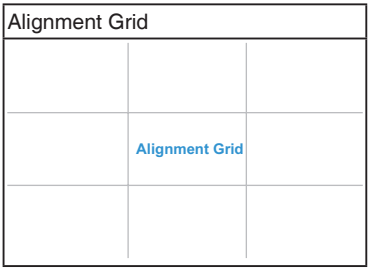
1. **DC-IN port**. This port connects the power cord.
2. **HDMI/MHL port**. This port is for connection with an HDMI/MHL compatible device.
3. **DisplayPort.** This port is for connection for a DisplayPort compatible device.
4. **DVI port**. This 24-pin port is for PC (Personal Computer) DVI-D digital signal connection.
5. **VGA port**. This 15-pin port is for PC VGA connection.
6. **Audio-in port.** This port connects PC audio source by the bundled audio cable.
7. **Earphone jack**. This port is only available when an HDMI/DisplayPort cable is connected.
8. **Kensington lock slot**.

1.3.3 QuickFit Function

The QuickFit function contains three kinds of patterns: (1) Grid patterns (2) Paper size (3) Photo size. To activate the patterns, press the QuickFit hotkey. Press the buttons as indicated on the screen to select a desired pattern.

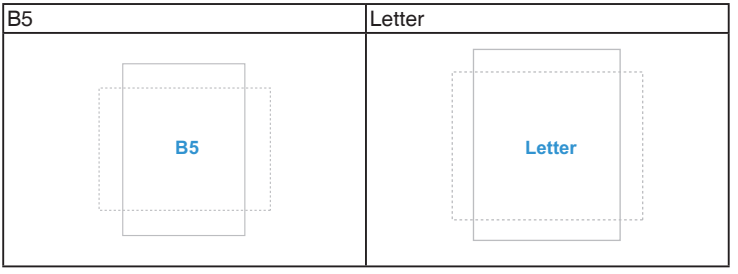
1. Grid patterns

The grid patterns facilitate designers and users to organize content and layout on a page and achieve a consistent look and feel.



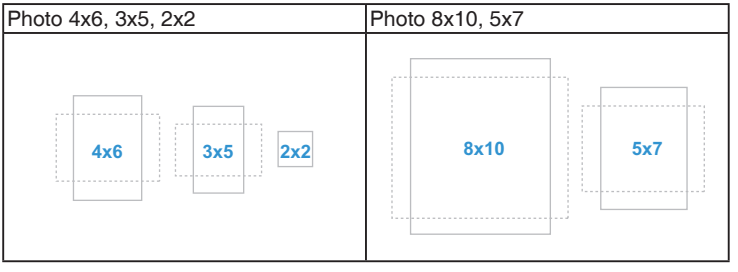
2. Paper size

QuickFit provides several commonly used standard paper sizes for users to view their documents in real size on the screen.



3. Photo size

The various real photo sizes displayed in the QuickFit function provides photographers and other users to accurately view and edit their photos in real size on the screen.



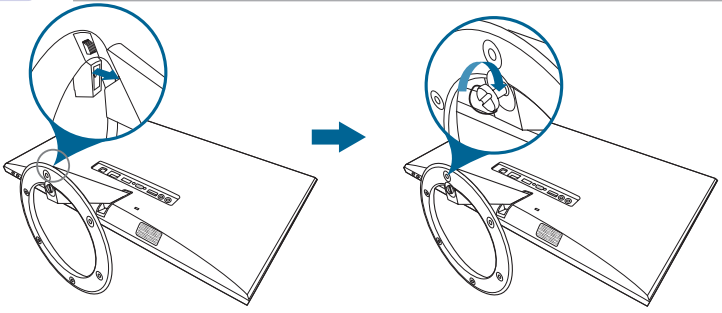
When QuickFit is activated, press the control buttons to make adjustments. The QuickFit OSD displayed in the lower right corner of the screen will guide users to make selections.

2.1 Assembling the monitor arm/base

To assemble the monitor base:

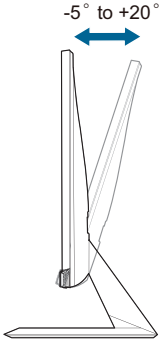
1. Have the front of the monitor face down on a table.
2. Attach the base into the arm, making sure the tab on the arm fits into the groove on the base.
3. Fix the base to the arm by fastening the bundled screw.

We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.



2.2 Adjusting the monitor

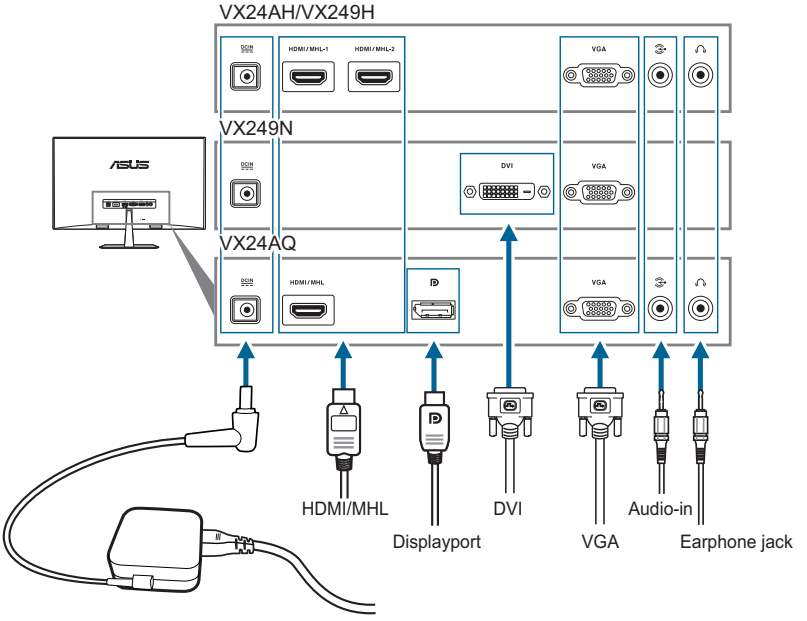
- For optimal viewing, we recommend that you look at the full face of the monitor, then adjust the monitor to the angle that is most comfortable for you.
- Hold the stand to prevent the monitor from falling when you change its angle.
- The recommended adjusting angle is +20 to -5˚.



It is normal that the monitor slightly shakes while you adjust the viewing angle.

2.3 Connecting the cables

1. Connect the cables as the following instructions:



- **To connect the power cord**:
  a. Connect the power adapter securely to the monitor's DC input port.
  b. Connect one end of the power cord to the power adapter and the other end to a power outlet.
- **To connect the VGA/DVI/HDMI/DisplayPort cable**:
  a. Plug one end of the VGA/DVI/HDMI/DisplayPort cable to the monitor's VGA/DVI/HDMI/DisplayPort port.
  b. Connect the other end of the VGA/DVI/HDMI/DisplayPort cable to your computer's VGA/DVI/HDMI/DisplayPort port.
  c. Tighten the two screws to secure the VGA/DVI connector.
- **To connect the audio cable**: connect one end of the audio cable to the monitor's Audio-in port, the other end to the computer's audio-out port.
- **To use the earphone:** connect the end with plug type to the monitor's earphone jack when an HDMI/DisplayPort signal is fed.

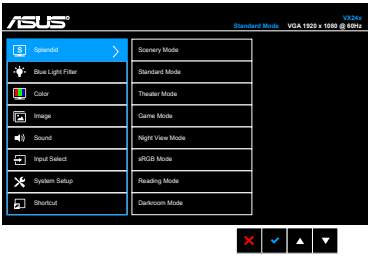
When these cables are connected, you can choose the desired signal from the Input Select item in the OSD menu.

2.4 Turning on the monitor

Press the power button ⏻ . See page 1-2 for the location of the power button. The power indicator ⏻ lights up in white to show that the monitor is ON.

3.1 OSD (On-Screen Display) menu

3.1.1 How to reconfigure

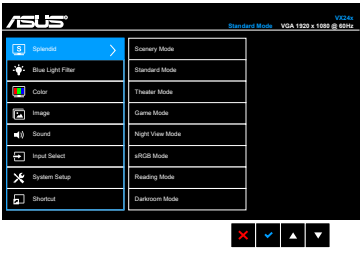


1. Press any button to display the OSD menu.
2. Press the Menu Button to activate the OSD menu.
3. Press the buttons as indicated on the screen to navigate through the functions. Highlight the desired function and press to activate it.
   If the function selected has a sub-menu, press and again to navigate through the sub-menu functions. Highlight the desired sub-menu function and press to activate it.
4. Press and to change the settings of the selected function.
5. To exit and save the OSD menu, press or repeatedly until the OSD menu disappears. To adjust other functions, repeat steps 1-4.

3.1.2 OSD function introduction

1. Splendid

This function contains 8 sub-functions you can select for your preference. Each mode has the Reset selection allowing you to maintain your setting or return to the preset mode.



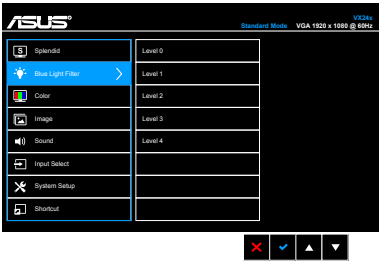
- **Scenery Mode**: best choice for scenery photo display with SPLENDID™ Video Enhancement.
- **Standard Mode**: best choice for document editing with SPLENDID™ Video Enhancement.
- **Theater Mode**: best choice for movies with SPLENDID™ Video Enhancement.
- **Game Mode**: best choice for games playing with SPLENDID™ Video Enhancement.
- **Night View Mode**: best choice for dark-scene games or movies with SPLENDID™ Video Enhancement.
- **sRGB**: best choice for viewing photos and graphics from PCs.
- **Reading Mode**: This is the best choice for book reading.

- **Darkroom Mode**: This is the best choice for a weak ambient light environment.

- In the Standard Mode, the ASCR, Saturation ,Sharpness functions and Skin Tone are not user-configurable.
- In the sRGB Mode, the Saturation, Color Temp., Skin Tone, Sharpness, Brightness, Contrast and ASCR functions are not user-configurable.

2. Blue Light Filter

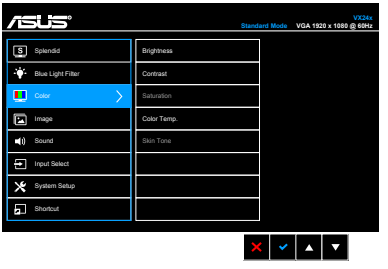
In this function, you can adjust the blue light filter level.



- **Level 0:** No change.
- **Level 1~4:** The higher the level, the less blue light is scattered. When Blue Light Filter is activated,the default settings of Standard Mode will be automatically imported. Between Level 1 to Level 3, the Brightness function is user-configurable. Level 4 is optimized setting. It is compliance with TUV Low Blue Light Certification. The Brightness function is not user-configurable.

3. Color

You can adjust Brightness, Contrast, Saturation, Color Temp., and Skin Tone from this menu.

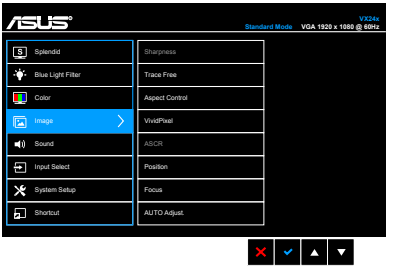


- **Brightness**: the adjusting range is from 0 to 100.
- **Contrast**: the adjusting range is from 0 to 100.
- **Saturation**: the adjusting range is from 0 to 100.
- **Color Temp.**: contains four modes including Cool, Normal, Warm, and User Mode.
- **Skin Tone**: contains three color modes including Reddish, Natural, and Yellowish.

- In the User mode, colors of R (Red), G (Green), and B (Blue) are user-configurable; the adjusting range is from 0-100.
- In the Reading Mode, the Saturation, Color Temp., Skin Tone, contrast, and ASCR functions are not user-configurable.

4. Image

You can adjust Sharpness, Trace Free, Aspect Control, VividPixel, ASCR, Position (VGA only), Focus (VGA only) and AUTO Adjust. from this menu.



- **Sharpness**: the adjusting range is from 0 to 100.
- **Trace Free**: adjusts the response time of the monitor.
- **Aspect Control**: adjusts the aspect ratio to full, 4:3, 1:1 or OverScan.

4:3 is only available when input source is in 4:3 format. OverScan is only available for the HDMI input source.

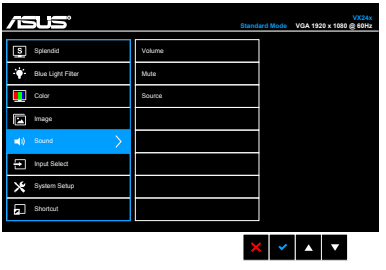
- **VividPixel**: enhances the outline of the displayed picture and generates high-quality images on screen.
- **ASCR**: turns on/off the ASCR (ASUS Smart Contrast Ratio) function.
- **Position (Only available for VGA input)**: adjusts the horizontal position (H-Position) and the vertical position (V-Position) of the image. The adjusting range is from 0 to 100.
- **Focus (Only available for VGA input)**: reduces Horizonal-line noise and Vertical-line noise of the image by adjusting (Phase) and (Clock) separately. The adjusting range is from 0 to 100.

- Phase adjusts the phase of the pixel clock signal. With a wrong phase adjustment, the screen shows horizontal disturbances.
- Clock (pixel frequency) controls the number of pixels scanned by one horizontal sweep. If the frequency is not correct, the screen shows vertical stripes and the image is not proportional.

- **Auto Adjust.**: Automatically adjusts the image to its optimized position, clock, and phase (for VGA mode only).

5. Sound (for VX24AQ/VX24AH only)

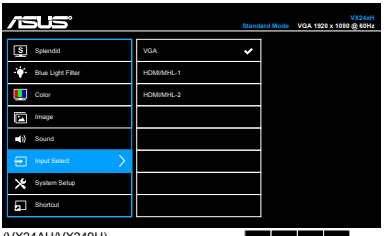
You can adjust Volume, Mute and Source from this menu.



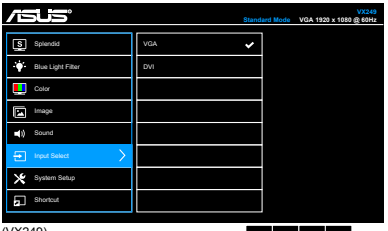
- **Volume**: the adjusting range is from 0 to 100.
- **Mute**: toggles the monitor sound between on and off.
- **Source**: decides the monitor sound comes from which source.

6. Input Select

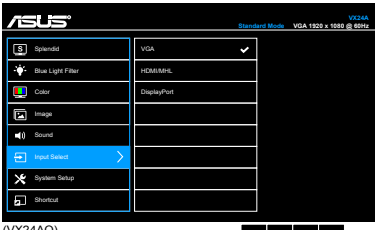
In this function, you can select your desired input source.



(VX24AH/VX249H)

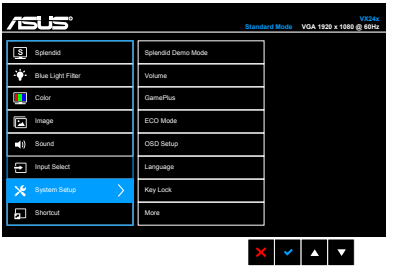


(VX249)



(VX24AQ)

7. System Setup



Allows you to adjust the system.

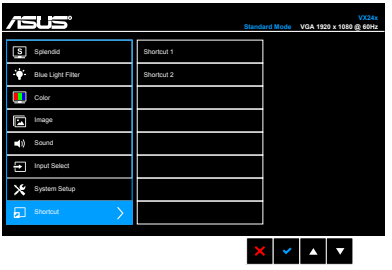
- **Splendid Demo Mode**: splits the screen into two for Splendid modes comparison.
- **Volume (VX249H only)**: the adjusting range is from 0 to 100.
- **GamePlus**: provides a toolkit and creates a better gaming environment for users when playing different types of games. Crosshair function is specially designed for new gamers or beginners interested in First Person Shooter (FPS) games. The timer function provides several time limit countdown timers.
- **ECO Mode**: reduces power consumption.
- **OSD Setup**:
  * Adjusts the OSD timeout from 10 to 120 seconds.
  * Enables or disables the DDC/CI function.
  * Adjusts the OSD background from opaque to transparent.

- **Language**: there are 21 languages for your selection, including English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesia, Persian.
- **Keylock**: enables the key lock function. A long press for 5 seconds on the MENU Button disables the key lock function.
- **Information**: shows the monitor information.
- **Power Key Lock**: to disable / enable power key.
- **All Reset**: “Yes” allows you to restore the default settings**.**

8. Shortcut

Defines the functions for Shortcut 1 and 2 buttons.

- **Shortcut 1/Shortcut 2**: selects a function for Shortcut 1 and 2 buttons.



3.2 Specifications summary (VX24A)

Panel Type	TFT LCD
Panel size	23.8"W (16:9, 60.5 cm) wide screen
Max. Resolution	2560 x 1440
Pixel pitch	0.206 mm
Brightness (Typical)	300 cd/m^2
Contrast Ratio (Typical)	1000:1
Contrast Ratio (Max.)	100,000,000:1 (with ASCR on)
Viewing angle(H/V) CR>10	178˚/178˚
Display colors	16.7 M
Response time	5 ms (Gray to gray)
SPLENDID™ Video Enhancement	Yes
SPLENDID™ selection	8 video preset modes (by hotkey)
Auto adjustment	Yes
Color temperature selection	4 color temperatures
Analog input	D-sub
Digital input	VX24AH: HDMI v1.4 x 2 VX24AQ: HDMI v1.4, DP 1.2
Earphone jack	Yes
Speaker (Built-in)	2 W x 2 Stereo, RMS
Power LED	White (On)/Amber (Standby)
Tilt	+20˚~ -5˚
Kensington lock	Yes
Voltage rating	AC: 100~240V DC:19V, 3.42A (AC adapter)
Power consumption	Power On: < 65 W (Typical)*, Standby: < 0.5 W (Typical), Power Off: < 0.5 W (Switch off)
Temperature (Operating)	0˚C~40˚C
Temperature (Non-operating)	-20˚C~+60˚C
Dimensions (W x H x D)	540.5 mm x 394.4 mm x 210.1 mm (machine) 600.0 mm x 145.0 mm x 488.0 mm (package)
Weight (Esti.)	3.5 kg (Net); 5.2 kg (Gross)
Multi-languages	21 languages (English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesia, Persian)
Accessories	VGA cable, DP cable (VX24AQ), HDMI cable, Audio cable, Power cord, Power adapter, Quick start guide, Warranty card
Regulation approvals	Energy Star®, China Energy Level 1, UL/cUL, CB, CE, ErP, FCC(Class B), CCC, BSMI, CU, C-Tick, VCCI, PSE, J-MOSS, RoHS, WEEE, WHQL for Windows 7 and Windows 8.1

*Based on Energy Star 6.0 standard.

**Specifications are subject to change without notice.

3.2 Specifications summary (VX249)

Panel Type	TFT LCD
Panel size	23.8”W (16:9, 60.5 cm) wide screen
Max. Resolution	1920 x 1080
Pixel pitch	0.275 mm
Brightness (Typical)	250 cd/m^2
Contrast Ratio (Typical)	1000:1
Contrast Ratio (Max.)	100,000,000:1 (with ASCR on)
Viewing angle(H/V) CR>10	178˚/178˚
Display colors	16.7 M
Response time	5 ms (Gray to gray)
SPLENDID™ Video Enhancement	Yes
SPLENDID™ selection	8 video preset modes (by hotkey)
Auto adjustment	Yes
Color temperature selection	4 color temperatures
Analog input	D-sub
Digital input	VX249H: HDMI v1.4 x 2 VX249N: DVI-D with HDCP
Earphone jack	VX249H: Yes VX249N: No
Speaker (Built-in)	VX249H: 1 W x 2 Stereo, RMS VX249N: No
Power LED	White (On)/Amber (Standby)
Tilt	+20˚~ -5˚
Kensington lock	Yes
Voltage rating	AC: 100~240V VX249H: DC:19V, 3.42A (AC adapter) VX249N: DC:19V, 2.1A (AC adapter)
Power consumption	VX249H: Power On: < 65 W (Typical)*, Standby: < 0.5 W (Typical), Power Off: < 0.5 W (Switch off) VX249N: Power On: < 40 W (Typical)*, Standby: < 0.5 W (Typical), Power Off: < 0.5 W (Switch off)
Temperature (Operating)	0˚C~40˚C
Temperature (Non-operating)	-20˚C~+60˚C
Dimensions (W x H x D)	540.5 mm x 394.4 mm x 210.1 mm (machine) 600.0 mm x 145.0 mm x 488.0 mm (package)
Weight (Esti.)	3.5 kg (Net); 5.2 kg (Gross)

Multi-languages	21 languages (English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesia, Persian)
Accessories	VGA cable, DVI cable (VX249N), HDMI cable (VX249H), Audio cable (VX249H), Power cord, Power adapter, Quick start guide, Warranty card
Regulation approvals	Energy Star®, China Energy Level 1, UL/cUL, CB, CE, ErP, FCC(Class B), CCC, BSMI, CU, C-Tick, VCCI, PSE, J-MOSS, RoHS, WEEE, WHQL for Windows 7 and Windows 8.1

***Based on Energy Star 6.0 standard.**

****Specifications are subject to change without notice.**

3.2 Specifications summary (VX249HA/VX249NA)

Panel Type	TFT LCD
Panel size	23.8"W (16:9, 60.5 cm) wide screen
Max. Resolution	1920 x 1080
Pixel pitch	0.275 mm
Brightness (Typical)	250 cd/m^2
Contrast Ratio (Typical)	3000:1
Contrast Ratio (Max.)	100,000,000:1 (with ASCR on)
Viewing angle(H/V) CR>10	178˚/178˚
Display colors	16.7 M
Response time	5 ms (Gray to gray)
SPLENDID™ Video Enhancement	Yes
SPLENDID™ selection	8 video preset modes (by hotkey)
Auto adjustment	Yes
Color temperature selection	4 color temperatures
Analog input	D-sub
Digital input	VX249HA: HDMI v1.4 x 2 VX249NA: DVI-D with HDCP
Earphone jack	VX249HA: Yes VX249NA: No
Speaker (Built-in)	VX249HA: 1 W x 2 Stereo, RMS VX249NA: No
Power LED	White (On)/Amber (Standby)
Tilt	+20˚~ -5˚
Kensington lock	Yes

Voltage rating	AC: 100~240V VX249HA: DC:19V, 3.42A (AC adapter) VX249NA: DC:19V, 2.1A (AC adapter)
Power consumption	VX249HA: Power On: < 65 W (Typical)*, Standby: < 0.5 W (Typical), Power Off: < 0.5 W (Switch off) VX249NA: Power On: < 40 W (Typical)*, Standby: < 0.5 W (Typical), Power Off: < 0.5 W (Switch off)
Temperature (Operating)	0˚C~40˚C
Temperature (Non-operating)	-20˚C~+60˚C
Dimensions (W x H x D)	540.5 mm x 394.4 mm x 210.1 mm (machine) 600.0 mm x 145.0 mm x 488.0 mm (package)
Weight (Esti.)	3.5 kg (Net); 5.2 kg (Gross)
Multi-languages	21 languages (English, French, German, Italian, Spanish, Dutch, Portuguese, Russian, Czech, Croatian, Polish, Romanian, Hungarian, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Indonesia, Persian)
Accessories	VGA cable, DVI cable (VX249NA), HDMI cable (VX249HA), Audio cable (VX249HA), Power cord, Power adapter, Quick start guide, Warranty card
Regulation approvals	Energy Star®, China Energy Level 1, UL/cUL, CB, CE, ErP, FCC(Class B), CCC, BSMI, CU, C-Tick, VCCI, PSE, J-MOSS, RoHS, WEEE, WHQL for Windows 7 and Windows 8.1

***Based on Energy Star 6.0 standard.**

****Specifications are subject to change without notice.**

3.3 Troubleshooting (FAQ)

Problem	Possible Solution
Power LED is not ON	• Press the ⏻ Button to check if the monitor is in the ON mode. • Check if the power cord is properly connected to the monitor and the power outlet.
The power LED lights amber and there is no screen image	• Check if the monitor and the computer are in the ON mode. • Make sure the signal cable is properly connected the monitor and the computer. • Inspect the signal cable and make sure none of the pins are bent. • Connect the computer with another available monitor to check if the computer is properly working.
Screen image is too light or dark	• Adjust the Contrast and Brightness settings via OSD.
Screen image is not centered or sized properly	• AUTO-adjust the image via OSD(for VGA mode only). • Adjust the H-Position or V-Position settings via OSD.
Screen image bounces or a wave pattern is present in the image	• Make sure the signal cable is properly connected to the monitor and the computer. • Move electrical devices that may cause electrical interference.
Screen image has color defects (white does not look white)	• Inspect the signal cable and make sure that none of the pins are bent. • Perform All Reset via OSD. • Adjust the R/G/B color settings or select the Color Temperature via OSD.
Screen image is blurry or fuzzy	• AUTO-adjust the image via OSD(for VGA mode only). • Adjust the Phase and Clock settings via OSD.
No sound or sound is low	• Ensure that the HDMI cable is properly connected to the monitor and the computer. • Adjust the volume settings of both your monitor and HDMI device. • Ensure that the computer sound card driver is properly installed and activated.

3.4 Supported operating modes

Resolution Frequency	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel (MHz)
640x480	31.47(N)	59.94(N)	25.18
640x480	35.00(N)	66.66(N)	30.24
640x480	37.87(N)	72.82(N)	31.5
640x480	37.5(N)	75.00(N)	31.5
720x400	31.47(N)	70.08(P)	28.32
800x600	35.16(P)	56.25(P)	36.00
800x600	37.88(P)	60.32(P)	40.00
800x600	48.08(P)	72.12(P)	50.00
800x600	46.86(P)	75.00(P)	49.50
832X624	49.72(P/N)	74.55(P/N)	57.28
1024x768	48.36(N)	60.00(N)	65.00
1024x768	56.476(N)	70.069(N)	75.00
1024x768	60.02(N)	75.00(N)	78.75
1152x864	67.5(P/N)	75.00(P/N)	108.00
1280x960	60.00(P)	60.00(N)	108.00
1280x1024	63.98(P)	60.02(P)	108.00
1280x1024	79.98(P)	75.02(P)	135.00
1366x768	47.712(P)	59.79(P)	85.50
1440x900	55.94(N)	59.89(P)	106.50
1600x1200	75.00(P)	60.00(P)	162.00
1680x1050	65.29(N)	60.00(P)	146.25
1920x1080	67.5(P)	60.00(P)	148.5
1920x1200* (Reduced Blanking)	74.038(P)	59.95(N)	154
1920x1200*	74.556(N)	59.885(P)	193.25
2560x1080*	66.636(P)	59.978(N)	181.25
2560x1440*	88.787(P)	59.951(N)	241.50

*** Supported for VX24A only.**

**** Modes not listed in the table may not be supported. For optimal resolution, we recommend that you choose a mode listed in the table above.**