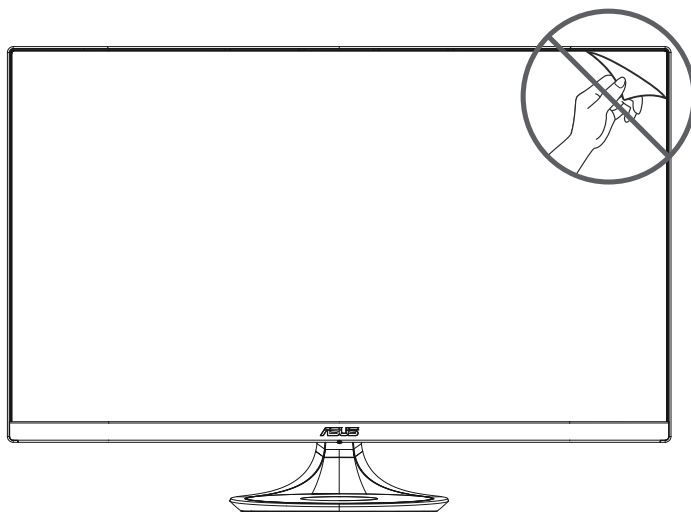




MX32VQ Series LCD Monitor

User Guide



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

Table of contents

Notices	iii
Safety information	iv
Care & Cleaning	vi
1.1 Welcome!	1-1
1.2 Package contents	1-1
1.3 Disassembling the IO cover	1-2
1.4 Connect cables	1-3
1.4.1 Rear of the LCD monitor	1-3
1.5 Monitor introduction	1-4
1.5.1 Using the Controls button	1-4
2.1 Base Control	2-1
3.1 OSD (On-Screen Display) menu	3-1
3.1.1 How to reconfigure.....	3-1
3.1.2 OSD Function Introduction.....	3-2
3.2 Specifications	3-10
3.3 Troubleshooting (FAQ)	3-11
3.4 Supported Timing List	3-12

Copyright © 2017 ASUSTeK COMPUTER INC. All Rights Reserved.

No part of this manual, including the products and software described in it, may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form or by any means, except documentation kept by the purchaser for backup purposes, without the express written permission of ASUSTeK COMPUTER INC. ("ASUS").

Product warranty or service will not be extended if: (1) the product is repaired, modified or altered, unless such repair, modification or alteration is authorized in writing by ASUS; or (2) the serial number of the product is defaced or missing.

ASUS PROVIDES THIS MANUAL "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL ASUS, ITS DIRECTORS, OFFICERS, EMPLOYEES OR AGENTS BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING DAMAGES FOR LOSS OF PROFITS, LOSS OF BUSINESS, LOSS OF USE OR DATA, INTERRUPTION OF BUSINESS AND THE LIKE), EVEN IF ASUS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES ARISING FROM ANY DEFECT OR ERROR IN THIS MANUAL OR PRODUCT.

SPECIFICATIONS AND INFORMATION CONTAINED IN THIS MANUAL ARE FURNISHED FOR INFORMATIONAL USE ONLY, AND ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE, AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY ASUS. ASUS ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS OR INACCURACIES THAT MAY APPEAR IN THIS MANUAL, INCLUDING THE PRODUCTS AND SOFTWARE DESCRIBED IN IT.

Products and corporate names appearing in this manual may or may not be registered trademarks or copyrights of their respective companies, and are used only for identification or explanation and to the owners' benefit, without intent to infringe.

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.

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.

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 extension 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.
- The socket-outlet shall be installed near the equipment and shall be easily accessible
- If you encounter technical problems with the monitor, contact a qualified service technician or your retailer.
- Provide an earthing connection before the mains plug is connected to the mains. And, when disconnecting the earthing connection, be sure to disconnect after pulling out the mains plug from the mains.

WARNING

Usage of other than specified head- or earphones can result in hearing loss due to excessive sound pressures.

Use only the AC/DC adapter model:ADP-90YD B

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 LCD. 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.

1.1 Welcome!

Thank you for purchasing the ASUS® LCD monitor!

The latest widescreen LCD monitor from ASUS provides a crisper, broader, and brighter 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 you!

1.2 Package contents

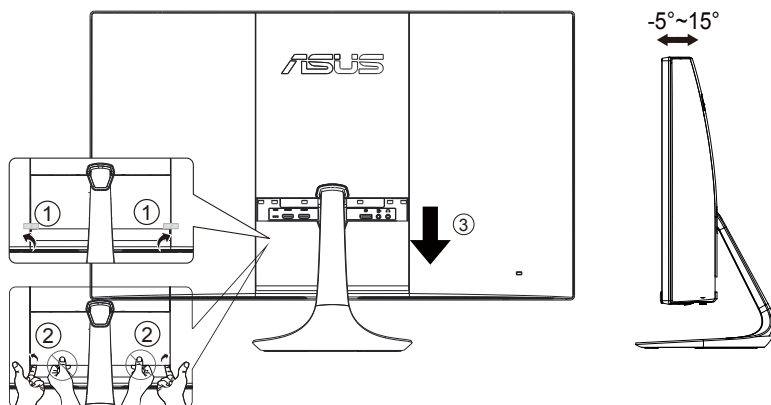
Check your package for the following items:

- ✓ LCD Monitor
- ✓ Quick Start Guide
- ✓ Warranty Card
- ✓ 1x Power Cord
- ✓ 1x Adapter
- ✓ 1x DisplayPort Cable
- ✓ 1x HDMI Cable
- ✓ 1x Audio Cable



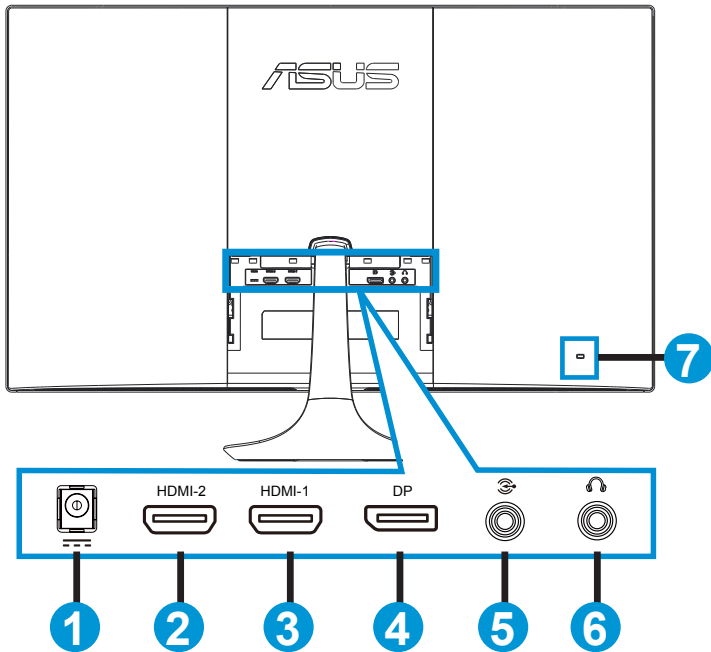
-
- If any of the above items is damaged or missing, contact your retailer immediately.
-

1.3 Disassembling the IO cover



1.4 Connect cables

1.4.1 Rear of the LCD monitor

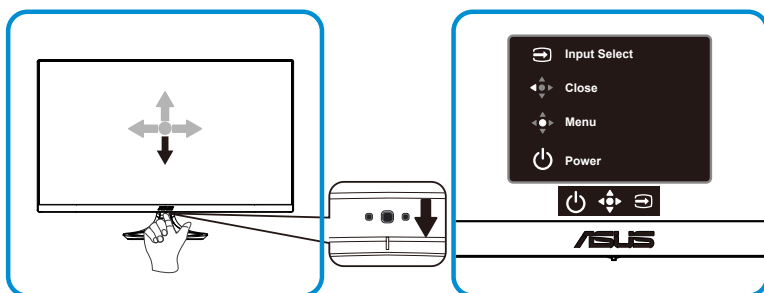


1. DC-IN Port
2. HDMI-2 Port
3. HDMI-1 Port
4. DisplayPort
5. Audio - in Port
6. Earphone - out Port
7. Kensington Lock

1.5 Monitor introduction

1.5.1 Using the Controls button

Use the control button on the bottle of the monitor to adjust the image settings.



1. Power Button/Power Indicator:

- Press this button to turn 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

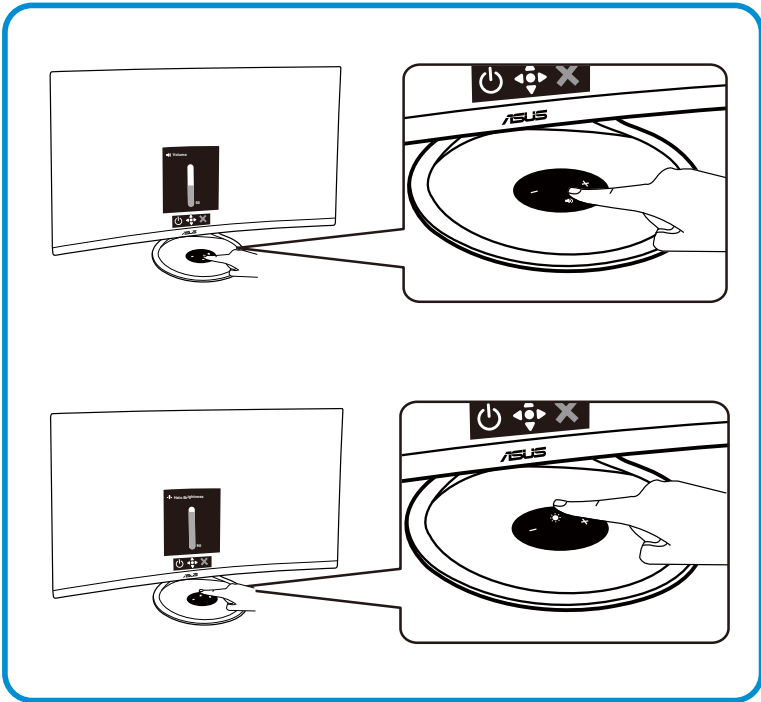
2. (5-way) Button:

- Press this button to turn the monitor on.
- Turns on the OSD menu. Enacts the selected OSD menu item.
- Increases/Decreases values or moves your selection up/down/left/right

3. Input Select Button:

- This is a hotkey. The default setting is Input Select. Use Input Select hotkey to switch from HDMI-1, HDMI-2, DisplayPort, Switch To DP1.1 or Switch To DP1.2 input signal.

2.1 Base Control



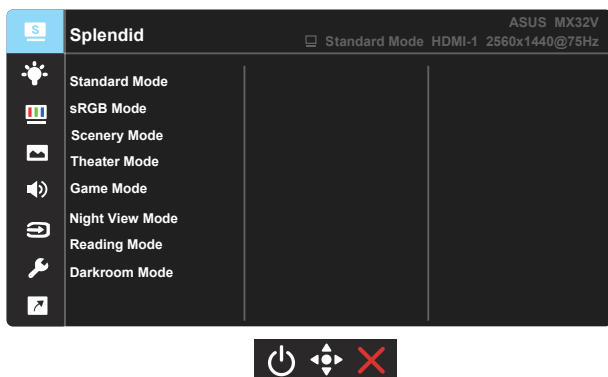
There is convenient control key for the speaker volume and Halo Lighting brightness on the transparent base.

1. Activate control keys by slightly touch central area around Harman Kardon logo on the base.
2. Adjust speaker volume:
Touch volume icon then use + or – icon to adjust speaker volume.
3. Adjust Halo Lighting brightness:
Touch Halo Lighting icon then use + or – icon to adjust brightness of the Halo Lighting effect.

Note: When touching the base for the first time, 4 icons will light up at the same time. Choose the function between speaker volume and LED brightness. Icons will fade away if no action after 4 seconds.

3.1 OSD (On-Screen Display) menu

3.1.1 How to reconfigure

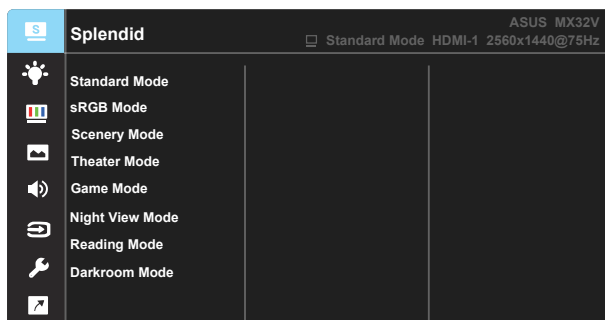


1. Press the MENU button to activate the OSD menu.
2. Press the ▼ and ▲ buttons to toggle between options in the Menu. As you move from one icon to another, the option name is highlighted.
3. To select the highlighted item on the menu press the Center key.
4. Press the ▼ and ▲ buttons to select the desired parameter.
5. Press the Center key to enter the slide bar and then use the ▼ or ▲ buttons, according to the indicators on the menu, to make your changes.
6. Press the ◀/▶ to move left / right menu.

3.1.2 OSD Function Introduction

1. Splendid

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



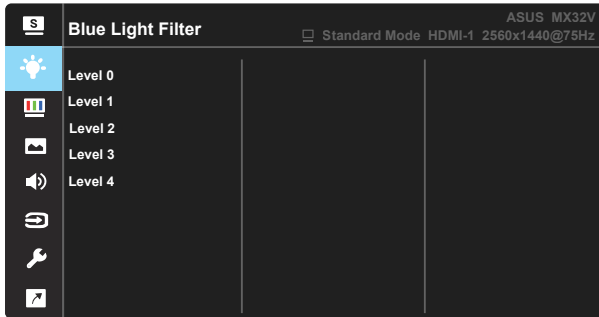
- **Standard Mode:** This is the best choice for document editing with SPLENDID™ Video Intelligence Technology.
- **sRGB Mode:** This is the best choice for viewing photos and graphics from PCs.
- **Scenery Mode:** This is the best choice for scenery photo displaying with SPLENDID™ Video Intelligence Technology.
- **Theater Mode:** This is the best choice for movie watching with SPLENDID™ Video Intelligence Technology.
- **Game Mode:** This is the best choice for game playing with SPLENDID™ Video Intelligence Technology.
- **Night View Mode:** This is the best choice for playing dark-scene game or watching dark-scene movie with SPLENDID™ Video Intelligence Technology.
- **Reading Mode :** This is the best choice for book reading.
- **Darkroom Mode:** This is the best choice for a weak ambient light environmen.



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

2. Blue Light Filter

Adjust the energy level of blue light emitted from LED backlight.



- **Level 0:** No change.
- **Level 1~4:** The higher the level, the more blue light will be reduced.



- 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.

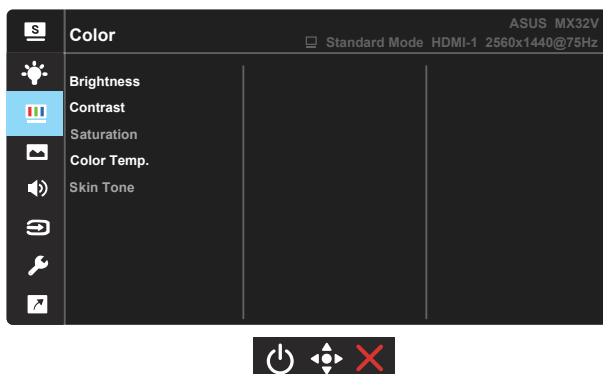


Please refer to the following to alleviate eye strains:

- Users should take some time away from the display if working for long hours. It is advised to take short breaks (at least 5 mins) after around 1 hour of continuous working at the computer. Taking short and frequent breaks is more effective than a single longer break.
- To minimize eye strain and dryness in your eyes, users should rest the eye periodically by focusing on objects that are far away.
- Eye exercises can help to reduce eye strain. Repeat these exercises often. If eye strain continues, please consult a physician. Eye exercises: (1) Repeating look up and down (2) Slowly roll your eyes (3) Move your eyes diagonal.
- High energy blue light may lead to eye strain and AMD (Age-Related Macular Degeneration). Blue light Filter to reduce 70% (max.) harmful blue light to avoiding CVS (Computer Vision Syndrome).

3. Color

Select the image color you like from this function.



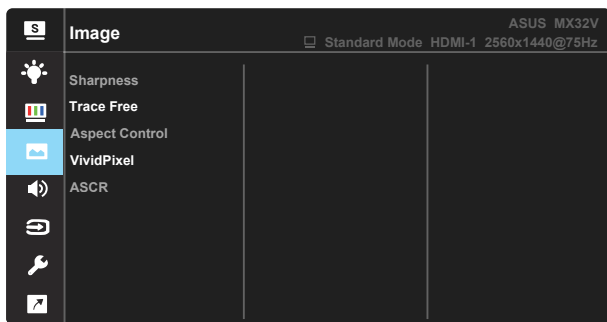
- **Brightness:** The adjusting range is from 0 to 100.
- **Contrast:** The adjusting range is from 0 to 100.
- **Saturation:** The adjusting range is from 0 to 100.
- **Color Temp.:** Contains three preset color modes (**Cool**, **Normal**, **Warm**) and **User Mode**.
- **Skin Tone:** Contains three 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.

4. Image

You can adjust the image Sharpness, Trace Free, Aspect Control, VividPixel, ASCR from this main function.



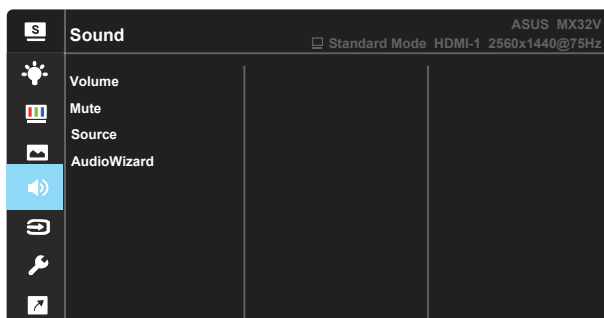
- **Sharpness:** Adjusts the picture sharpness. The adjusting range is from 0 to 100.
- **Trace Free:** Speeds up the response time by Over Drive technology. The adjusting range is from lower 0 to faster 100.
- **Aspect Control:** Adjusts the aspect ratio to “Full”, “4:3”.
- **VividPixel:** ASUS Exclusive Technology that brings lifelike visuals for crystal-clear and detail-oriented enjoyment. The adjusting range is from 0 to 100.
- **ASCR:** Select **ON** or **OFF** to enable or disable dynamic contrast ratio function.



-
- 4:3 is only available when input source is in 4:3 format.
-

5. Sound

Adjust the sound settings to your preference.



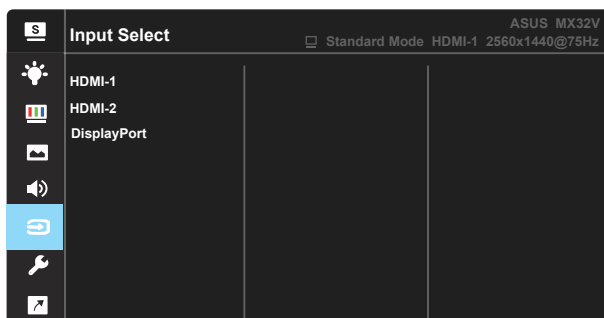
- **Volume:** Adjusts the output volume level.
- **Mute:** Mute the output volume.
- **Source:** Adjusts audio source to “Line In”, “HDMI” or “DisplayPort” .
- **AudioWizard:** Select the preset sound mode. Available options: **Music Mode**, **Movies Mode**, **Gamming Mode** and **User Mode**.



-
- In the User Mode, you can adjust the equalizer settings.
-

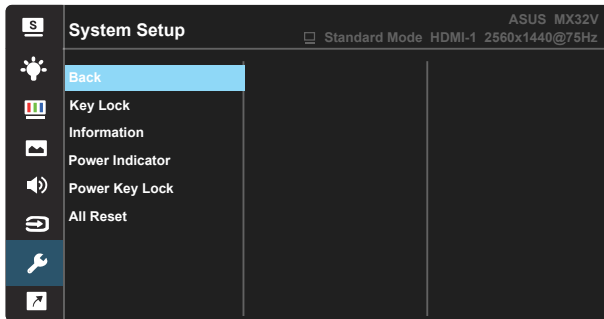
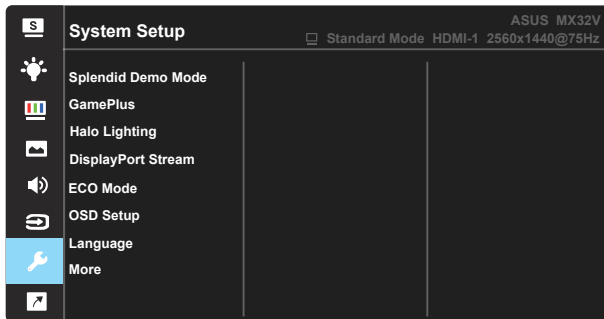
6. Input Select

Select the input source from **HDMI-1**, **HDMI-2** or **DisplayPort** input signal.



7. System Setup

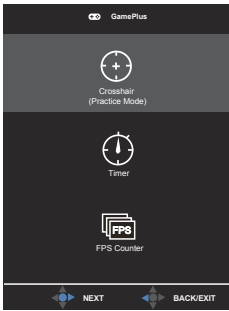
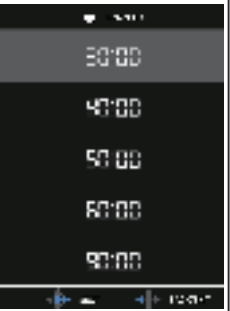
Adjusts the system configuration.



- **Splendid Demo Mode:** Activate the demo mode for the Splendid function.
- **GamePlus:** The GamePlus Function provides a toolkit and creates a better gaming environment for users when playing different types of games. Particularly, Crosshair function is specially designed for new gamers or beginners interested in First Person Shooter (FPS) games.

To active GamePlus:

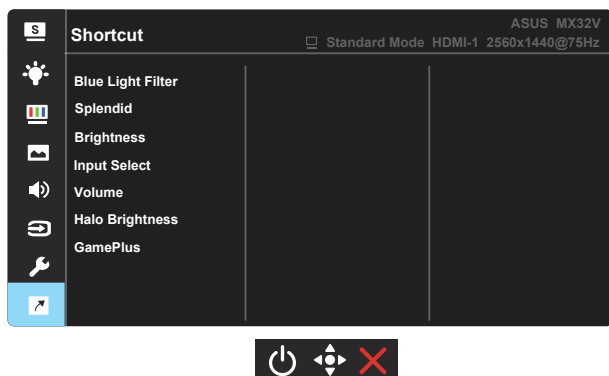
- Select **ON** to enter the GamePlus main menu.
- Press **▲** and **▼** to select between Crosshair, Timer and FPS Counter function.
- Press Center key to confirm the function you choose. Press **◀** to go back. Press **✖** to go off and exit.

GamePlus main menu	GamePlus-Crosshair	GamePlus-Timer
		

- **Halo Lighting:** Adjust Halo Lighting effect including Static, Breathing, Rhythm Sync, Off, and also lighting brightness and on/off during standby. Halo Lighting can sync with music tempo under Rhythm Sync mode.
- **DisplayPort Stream:** Compatibility with graphic card. Select DP 1.1 or DP 1.2 by graphic card DP version.
- **ECO Mode:** Activate the ecology mode for power saving.
- **OSD Setup:** Adjusts the **OSD Timeout**, **DDC/CI**, and **Transparency** of the OSD screen.
- **Language:** Select OSD language. The selections are: **English, French, German, Spanish, Italian, Dutch, Russian, Poland, Czech, Croatia, Hungary, Romania, Portugal, Turkey, Simplified Chinese, Traditional Chinese, Japanese, Korean, Persian, Thai and Indonesian.**
- **More:** Return the next page of System Setup.
- **Back:** Return the previous page of System Setup.
- **Key Lock:** Disable all key functions. Pressing the down key for more than five seconds to disable key lock function.
- **Information:** Displays the monitor information.
- **Power Indicator:** Turn the power LED indicator on/off.
- **Power Key Lock:** To disable / enable power key.
- **All Reset:** Selects **“Yes”** to revert all settings to the factory default mode.

8. Shortcut

Selecting this option allows you to set shortcut keys.



3.2 Specifications

Model	MX32VQ
Panel Size	31.5"W (80.1 cm)
Max. Resolution	2560x1440 @75Hz
Brightness (Typ.)	300cd/m ²
Intrinsic Contrast Ratio (Typ.)	3000:1
Viewing Angle (CR=10)	178°(V) /178°(H)
Display Colors	16.7 M(True 8bit)
Response Time	4ms (Gray to Gray)
Satellite Speaker	8W x 2 stereo
Earphone Output	Yes
Sound from HDMI	Yes
HDMI input	Yes
DisplayPort input	Yes
Power ON Consumption(Max.)	< 65 W*
Chassis Colors	Black
Power saving mode	< 0.5W
Power off mode	< 0.5W
Tilt	-5° ~ +15°
Phys. Dimension (WxHxD)	713.4 x 501.2 x 239.7 mm
Box Dimension (WxHxD)	843 x 596 x 292 mm
Net Weight (Esti.)	8.6 kg
Gross Weight (Esti.)	13.3 kg
Voltage Rating	AC 100~240V(Built-in)

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. • Check Power Indicator function in main menu OSD. Select "ON" to turn on power LED.
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 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 Reset via OSD. • Adjust the R/G/B color settings or select the Color Temperature via OSD.
No sound or sound is low	• Adjust the volume settings of both your monitor and computer. • Make sure the computer sound card driver is properly installed and activated. • Adjust Mute to OFF for non-standard audio signal or better compatibility.

3.4 Supported Timing List

PC Timings List of HDMI1.4 / DP1.2 input

Resolution	Refresh Rate	Horizontal Frequency
640x480	60Hz	31.469kHz
640x480	72Hz	35.748kHz
640x480	75Hz	37.5kHz
800x600	56Hz	35.156kHz
800x600	60Hz	37.879kHz
800x600	72Hz	48.077kHz
800x600	75Hz	46.875kHz
1024x768	60Hz	48.363kHz
1024x768	70Hz	56.476kHz
1024x768	75Hz	60.023kHz
1152x864	75Hz	67.5kHz
1280x960	60Hz	60kHz
1280x1024	60Hz	63.981kHz
1280x1024	75Hz	79.976kHz
1440x900	60Hz	55.935kHz
1680x1050	60Hz	65.29kHz
1920x1080	60Hz	67.5kHz
1920x1080	75Hz	83.909kHz
2560x1440	60Hz	88.787kHz
2560x1440	75Hz	111.302kHz

IBM Modes, Factory Preset Timing(HDMI / DP input)

Resolution	Refresh Rate	Horizontal Frequency
720x400	70Hz	31.469kHz

MAC Modes, Factory Preset Timing(HDMI / DP input)

Resolution	Refresh Rate	Horizontal Frequency
640x480	67Hz	35kHz

VESA Modes, User Available Timing(HDMI / DP input)

Resolution	Refresh Rate	Horizontal Frequency
1280x720(RB)	60Hz	44.444kHz
1280x720	60Hz	44.772kHz
1440x900(RB)	60Hz	55.469kHz
1680x1050(RB)	60Hz	64.674kHz
1920x1080	60Hz	66.587kHz

SD/HD Timings List of HDMI / DP input

HDMI1.4,CEA-861B Formats, SD/HD Supported Primary Timings of(HDMI /DP input)

Resolution	Refresh Rate	Horizontal Frequency
720x480P	59.94 / 60Hz	31.469 / 31.5kHz
720x576P	50Hz	31.25kHz
1280x720P	50Hz	37.5kHz
1280x720P	59.94 / 60Hz	44.955 /45kHz

HDMI1.4,CEA-861B Formats, SD/HD Supported Optional Timings of (HDMI / DP input)

Resolution	Refresh Rate	Horizontal Frequency
1440x480P	59.94 / 60Hz	31.469 / 31.5kHz
1440x576P	50Hz	31.25kHz
1920x1080P	50Hz	56.25kHz
1920x1080P	59.94 / 60Hz	67.433 / 67.5kHz

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

DECLARATION OF CONFORMITY

Per FCC Part 2 Section 2. 1077(a)



Responsible Party Name: Asus Computer International

Address: 800 Corporate Way, Fremont, CA 94539.

Phone/Fax No: (510)739-3777/(510)608-4555

hereby declares that the product

Product Name : LCD Monitor

Model Number : MX32V****

Conforms to the following specifications:

☒ FCC Part 15, Subpart B, Unintentional Radiators

Supplementary Information:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Representative Person's Name : Steve Chang / President

A handwritten signature in blue ink that reads 'Steve Chang'.

Signature :

Date : Nov. 22 , 2017

Ver. 170324