



**THE DISPLAY CHOICE  
OF PROFESSIONALS™**

**QM4303, QM5503, QM6503 & QM7503 LCD Display**

[www.agneovo.com](http://www.agneovo.com)

# **User Manual**

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# SAFETY INFORMATION

## Federal Communications Commission (FCC) Notice (U.S. Only)



This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Use only an RF shielded cable that was supplied with the display when connecting this display to a computer device.

To prevent damage which may result in fire or shock hazard, do not expose this appliance to rain or excessive moisture.

THIS CLASS A DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE CANADIAN INTERFERENCE CAUSING EQUIPMENT REGULATIONS.

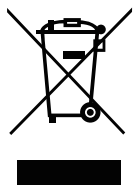
## CE



**WARNING:** This equipment is compliant with Class A of EN55032/CISPR 32. In a residential environment this equipment may cause radio interference.

# SAFETY INFORMATION

## Waste Electrical and Electronic Equipment-WEEE



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product

For Private Households in the European Union. To help conserve natural resources and ensure the product is recycled in a manner that protects human health and the environment, we would like to bring your attention to the following:

- The crossed-out dustbin on the device or outer packaging indicates the product is compliant with European WEEE (Waste Electrical and Electronic Equipment) Directive
- Always dispose of the old devices separately from household waste
- Batteries should be removed beforehand and disposed separately to the right collection system
- You are responsible with regard to the deletion of personal data on old devices before disposal
- Private households can hand in their old devices free of charge
- For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product

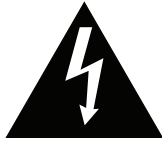
## Turkey RoHS

Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur.

## Ukraine RoHS

Обладнання відповідає вимогам Технічного регламенту щодо обмеження використання деяких небезпечних речовин в електричному та електронному обладнанні, затвердженого постановою Кабінету Міністрів України від 3 грудня 2008 № 1057.

# PRECAUTIONS



## Symbols used in this manual

|  |  |
|--|--|
|  | This icon indicates the existence of a potential hazard that could result in personal injury or damage to the product. |
|  | This icon indicates important operating and servicing information.   |

## Notice

- Read this User Manual carefully before using the LCD display and keep it for future reference.
- The product specifications and other information provided in this User Manual are for reference only. All information is subject to change without notice. Updated content can be downloaded from our web site at [www.agneovo.com](http://www.agneovo.com).
- To protect your rights as a consumer, do not remove any stickers from the LCD display. Doing so may affect the determination of the warranty period.

## Cautions When Setting Up

- Do not place the LCD display near heat sources, such as a heater, exhaust vent, or in direct sunlight.
- Do not cover or block the ventilation holes in the housing.
- Place the LCD display on a stable area. Do not place the LCD display where it may be subject to vibration or shock.
- Place the LCD display in a well-ventilated area.
- Do not place the LCD display outdoors.
- To avoid the risk of shock or permanent damage to the set, do not expose the display to dust, rain, water or an excessively moist environment.
- Do not spill liquid or insert sharp objects into the LCD display through the ventilation holes. Doing so may cause accidental fire, electric shock or damage the LCD display.

# PRECAUTIONS

## Cautions When Using

- Use only the power cord supplied with the LCD display.
- The power outlet should be installed near the LCD display and be easily accessible.
- If an extension cord is used with the LCD display, ensure that the total current consumption plugged into the power outlet does not exceed the ampere rating.
- Do not allow anything to rest on the power cord. Do not place the LCD display where the power cord may be stepped on.
- If the LCD display will not be used for an indefinite period of time, unplug the power cord from the power outlet.
- To disconnect the power cord, grasp and pull by the plug head. Do not tug on the cord; doing so may cause fire or electric shock.
- Do not unplug or touch the power cord with wet hands.
- When turning off the display by detaching the power cord, wait 6 seconds before re-attaching the power cord for normal operation.
- Do not knock or drop the display during operation or transportation.

## Cleaning and Maintenance

- To protect your display from possible damage, do not put excessive pressure on the LCD panel. When moving your display, grasp the frame to lift; do not lift the display by placing your hand or fingers on the LCD panel.
- Unplug the display if you need to clean it with a slightly damp cloth. The screen may be wiped with a dry cloth when the power is off. However, never use organic solvent, such as, alcohol, or ammonia-based liquids to clean your display.
- If your display becomes wet, wipe it with dry cloth as soon as possible.
- If a foreign substance or water gets in your display, turn the power off immediately and disconnect the power cord. Then remove the foreign substance or water, and send the unit to the maintenance center.
- In order to maintain the best performance of your display and ensure a longer lifetime, we strongly recommend using the display in a location that falls within the following temperature and humidity ranges.
  - ◆ Temperature: 0-40°C (32-104°F)
  - ◆ Humidity: 20-80% RH



### Warning:



Unplug the power cord from the power outlet and refer to qualified service

personnel under the following conditions:

- ◆ When the power cord is damaged.
- ◆ If the LCD display has been dropped or the housing has been damaged.
- ◆ If the LCD display emits smoke or a distinct odor.

# PRECAUTIONS

## Notice for the LCD Display

- In order to maintain the stable luminous performance, it is recommended to use low brightness setting.
- Due to the lifespan of the lamp, it is normal that the brightness quality of the LCD display may decrease with time.
- When static images are displayed for long periods of time, the image may cause an imprint on the LCD display. This is called image retention or burn-in.
  - ◆ To prevent image retention, do any of the following:
    - Set the LCD display to turn off after a few minutes of being idle.
    - Use a screen saver that has moving graphics or a blank white image.
    - Execute the ANTI-BURN-IN function of the LCD display. See **SETUP > ANTI-BURN-IN** section.
    - Switch desktop backgrounds regularly.
    - Adjust the LCD display to low brightness settings.
    - Turn off the LCD display when the system is not in use.
  - ◆ Things to do when the LCD display shows image retention:
    - Turn off the LCD display for extended periods of time. It can be several hours or several days.
    - Use a screen saver and run it for extended periods of time.
    - Use a black and white image and run it for extended periods of time.
- There are millions of micro transistors inside the LCD display. It is normal for a few transistors to be damaged and to produce spots. This is acceptable and is not considered a failure.
- **IMPORTANT:** Always activate a moving screen saver program when you leave your display unattended. Always activate a periodic screen refresh application if the unit will display unchanging static content. Uninterrupted display of still or static images over an extended period may cause “burn in”, also known as “after-imaging” or “ghost imaging”, on your screen. This is a well-known phenomenon in LCD panel technology. In most cases, the “burned in” or “after-imaging” or “ghost imaging” will disappear gradually over a period of time after the power has been switched off.
- **WARNING:** Severe “burn-in” or “after-image” or “ghost image” symptoms will not disappear and cannot be repaired. This is also not covered under the terms of your warranty.



# CHAPTER 1: PRODUCT DESCRIPTION

## 1.1 Unpacking

- This product is packed in a packaging box which contains standard accessories.
- Any other optional accessories will be packed separately.
- Considering the size and weight of the display, it is recommended that this product is carried out by two persons.
- After opening the packaging box, ensure that the included items are in good condition and complete.

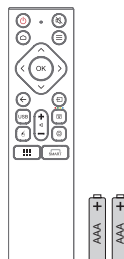
## 1.2 Package Contents

When unpacking, check if the following items are included in the package. If any of them is missing or damaged, contact your dealer.

LCD Display



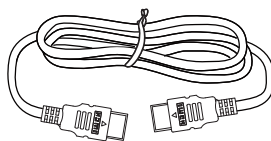
Remote control



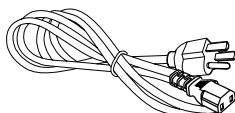
Quick Start Guide



HDMI cable



Power cord



AAA Batteries x2



### Note:

- ◆ Remote control is shipped with the supplied AAA batteries.
- ◆ For all other regions, apply a power cord that conforms to the AC voltage of the power socket and has been approved by and complies with the safety regulations of the particular country (Type H05VV-F, 3G, 0.75mm<sup>2</sup> should be used).
- ◆ You might like to save the package box and packing material for shipping the display.
- ◆ The pictures are for reference only. Actual items may vary upon shipment.

# PRODUCT DESCRIPTION

## 1.3 Preparing for the Installation

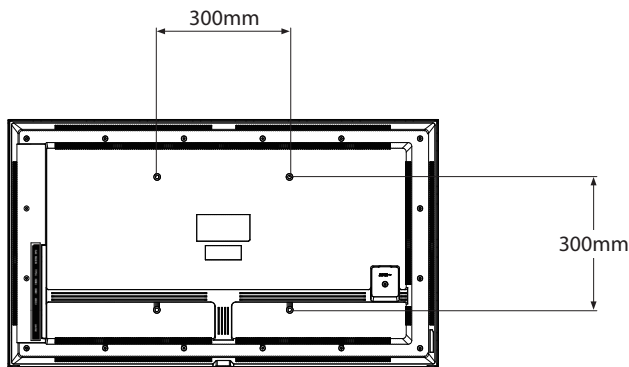
- Due to the high power consumption, always use the plug exclusively designed for this product. If an extended line is required, please consult your service agent.
- The product should be installed on a flat surface to avoid tipping. The distance between the back of the product and the wall should be maintained for proper ventilation. Avoid installing the product in the kitchen, bathroom or any other places with high humidity so as not to shorten the service life of the electronic components.
- The product can normally operate only under 3000m in altitude. In installations at altitudes above 3000m, some abnormalities may be experienced.

## 1.4 Wall Mounting Installation

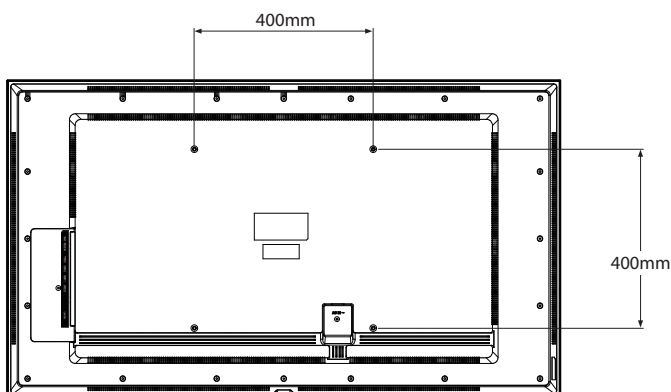
To mount this display to a wall, you will have to obtain a standard wall-mounting kit (commercially available).

To wall-mount the LCD display, screw the mounting bracket to the VESA holes at the rear of the LCD display.

### QM4303



### QM5503



### Warning:

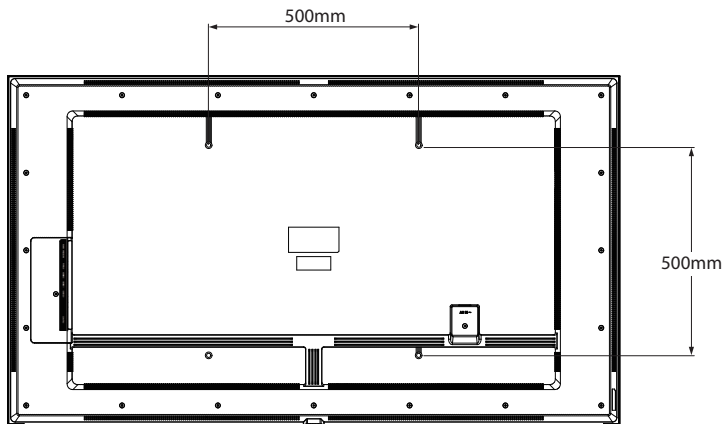
- ◆ Do not press too hard on the LCD panel or edge of the frame, as this may cause the device to malfunction.

### Note:

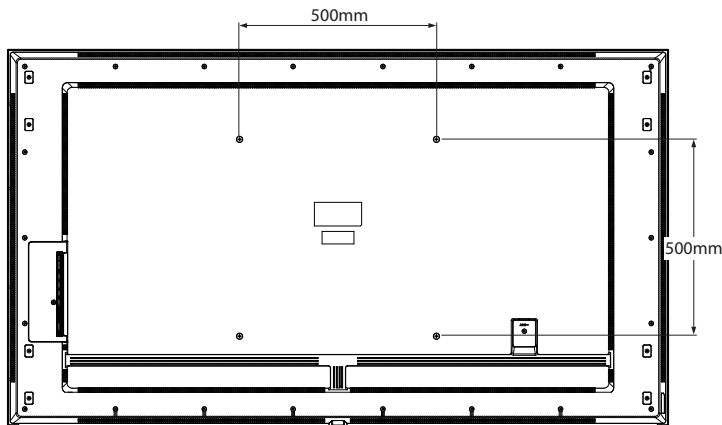
- ◆ Avoid the wall-mounting kit to block the ventilation holes on the back of the display.
- ◆ Secure the LCD display on a solid wall strong enough to bear its weight.
- ◆ Lay a protective sheet on a table, which was wrapped around the display when it was packaged, beneath the screen surface so as not to scratch the screen face.
- ◆ Ensure you have all accessories for mounting this display (wall mount, ceiling mount, etc).
- ◆ Follow the instructions that come with the base mounting kit. Failure to follow correct mounting procedures could result in damage to the equipment or injury to the user or installer. Product warranty does not cover damage caused by improper installation.

# PRODUCT DESCRIPTION

## QM6503



## QM7503



### 1.4.1 VESA Grid

| Model Name | VESA Grid         |
|------------|-------------------|
| QM4303     | 300(W) x 300(H)mm |
| QM5503     | 400(W) x 400(H)mm |
| QM6503     | 500(W) x 500(H)mm |
| QM7503     | 500(W) x 500(H)mm |

#### Caution:

To prevent the display from falling:

- ◆ For wall or ceiling installation, we recommend installing the display with metal brackets which are commercially available. For detailed installation instructions, see the guide received with the respective bracket.
- ◆ To lessen the probability of injury and damage resulting from fall of the display in case of earthquake or other natural disaster, be sure to consult the bracket manufacturer for installation location.

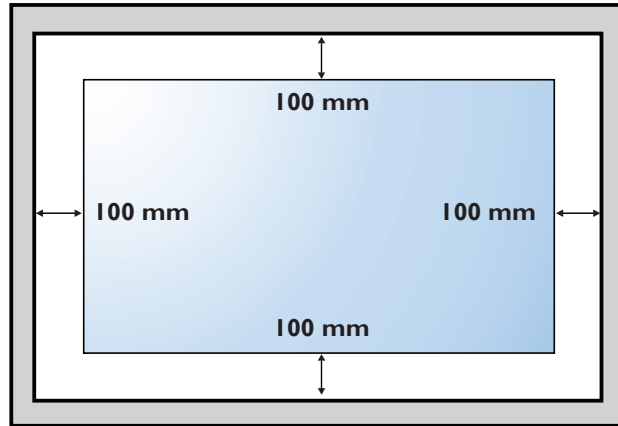
#### Note:

- ◆ For the wall-mounting kit, use M6 screws for QM4303/5503 (with a length at least 10 mm longer than the thickness of the wall mount bracket) and M8 screws for QM6503/7503 (with a length at least 15 mm longer than the thickness of the wall mount bracket), and then securely tighten the screws.

# PRODUCT DESCRIPTION

## 1.4.2 Ventilation Requirements for Enclosure Locating

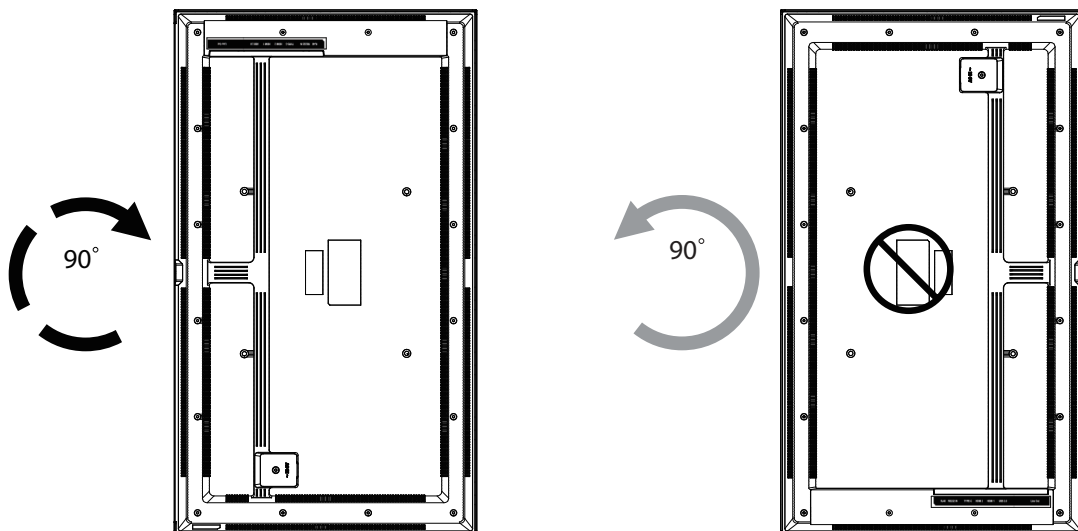
To allow heat to disperse, leave space between surrounding objects as shown in the diagram below.



## 1.4.3 Mounting in Portrait Position

This display can be installed in portrait position.

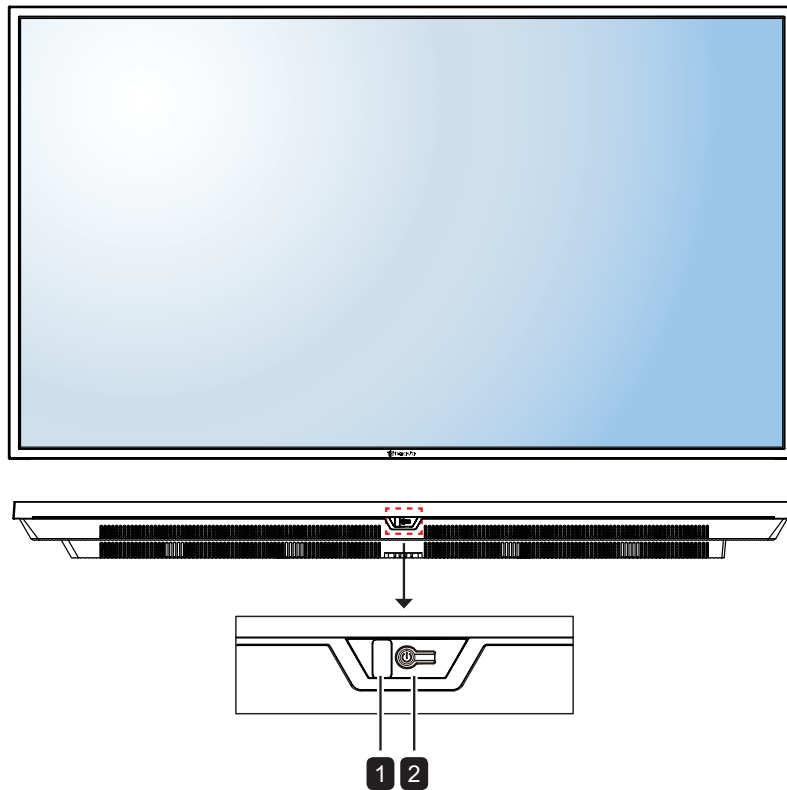
Rotate 90 degrees counter-clockwise.



# PRODUCT DESCRIPTION

## 1.5 LCD Display Overview

### 1.5.1 Control Panel



#### 1 LED indicator

- Lights red when the LCD display is in the standby mode. When the LCD display is powered on or in the sleep mode, then the LED is off.

#### Note:

- ◆ In sleep mode, the backlight is off.

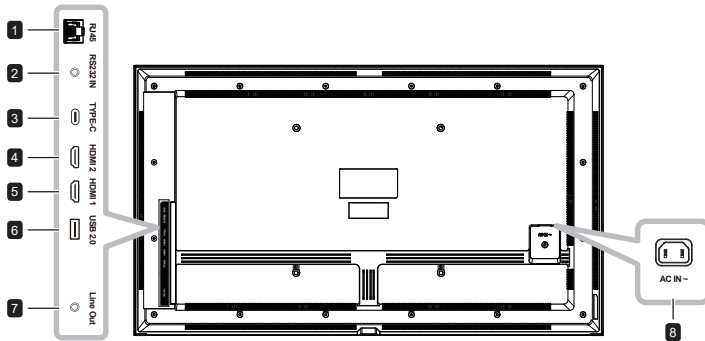
#### 2 [⏻] POWER button

Press to turn the LCD display on or off.

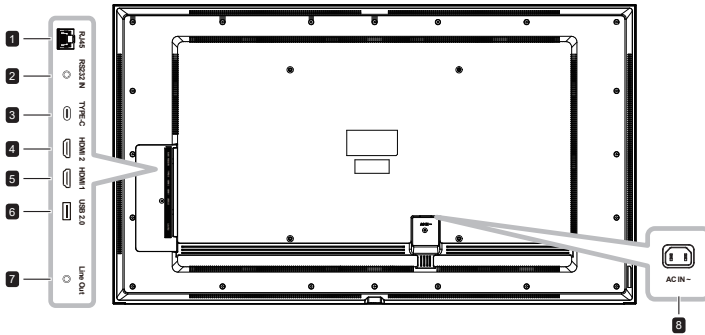
# PRODUCT DESCRIPTION

## 1.5.2 Input/Output Terminals

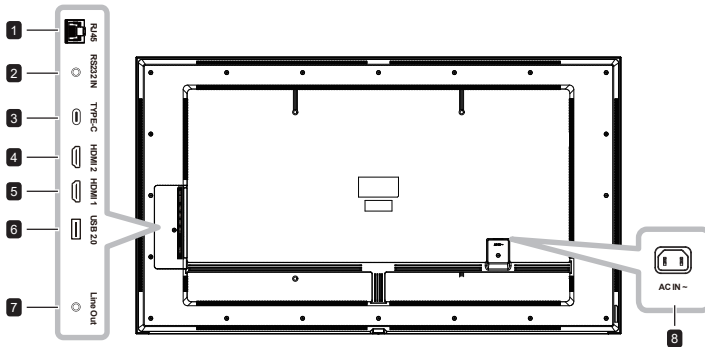
### QM4303



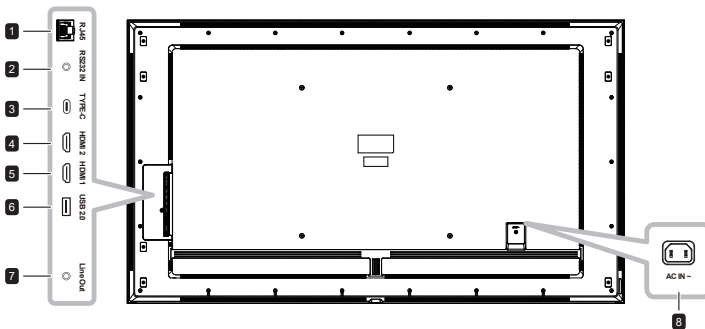
### QM5503



### QM6503



### QM7503

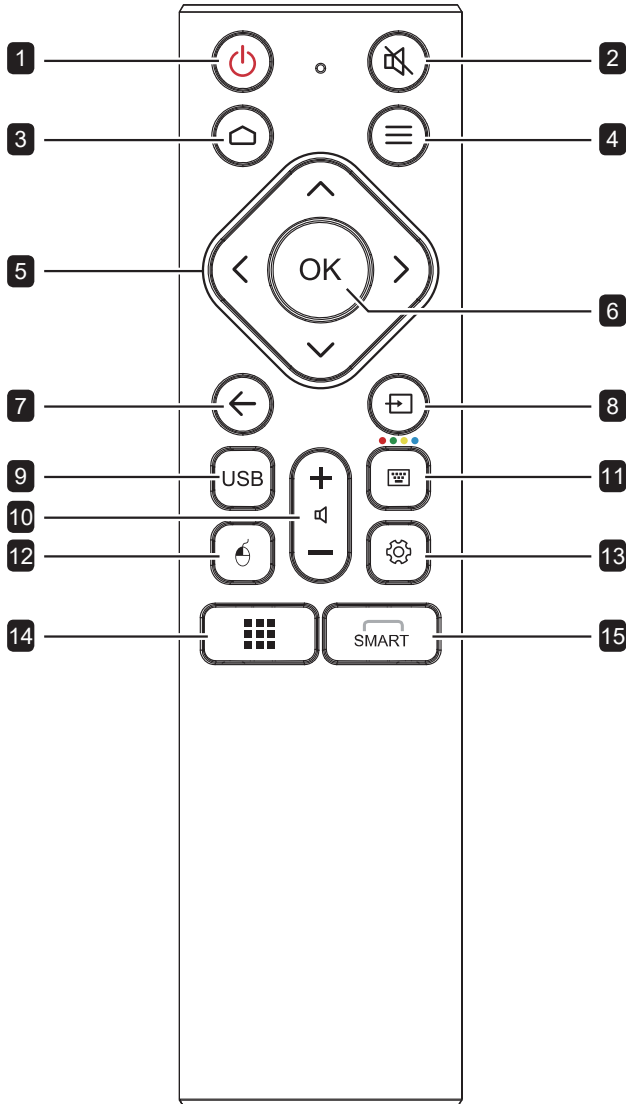


- 1 RJ45 IN**  
Connect RJ45 input from external equipment.
- 2 RS232 IN**  
Connect RS232 input from external equipment.
- 3 TYPE-C**  
Connect TYPE-C for service and media playback.
- 4 HDMI 2 IN**  
Connect HDMI signals input.
- 5 HDMI 1 IN**  
Connect HDMI signals input.
- 6 USB 2.0**  
Connect USB 2.0 for service and media playback.
- 7 Line OUT**  
Connect audio signals ioutput (3.5 mm Stereo Audio Jack).
- 8 AC IN**  
AC power input.

# PRODUCT DESCRIPTION

## 1.6 Remote Control

### 1.6.1 General Functions



- 1 [Power] Power button:**  
Turns the system on or shuts down.
- 2 [Mute] Mute button:**  
Turns the mute function on or off.
- 3 [Home] Home button:**  
Returns to the Home page.
- 4 [Uninstall app] Uninstall app button:**  
Uninstall an app (only Apps source).
- 5 [Navigation] Navigation buttons:**  
Navigates through the Settings menu and adjusts the settings.
- 6 [OK] OK button:**  
Confirms your selection or saves the modifications.
- 7 [Back] Back button:**  
Returns to the previous screen (Android OS) or exits the Settings menu.
- 8 [Source] Source button:**  
Opens the source selection menu.
- 9 [USB] USB Signage button:**  
Launches the USB Signage screen.
- 10 [Volume] Volume button:**  
Adjusts volume. Press [Volume+] to increase volume or press [Volume-] to decrease volume.
- 11 [On-screen keyboard] On-screen keyboard button:**  
No function.
- 12 [Mouse control] Mouse control button:**  
No function.
- 13 [Settings menu] Settings menu button:**  
Opens the Settings menu.
- 14 [Apps] Apps button:**  
No function.
- 15 [Smart menu] Smart menu button:**  
No function.

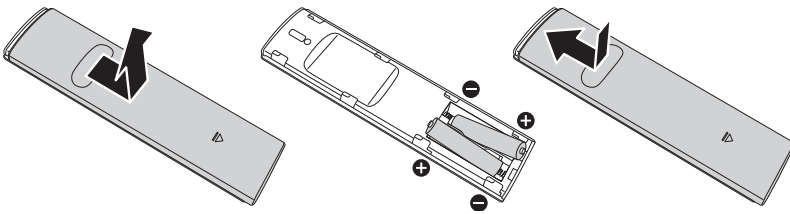
# PRODUCT DESCRIPTION

## 1.6.2 Inserting the Batteries in the Remote Control

The remote control is powered by two 1.5V AAA batteries.

To install or replace batteries:

- 1 Slide off the battery compartment cover.
- 2 Align the batteries according to the (+) and (-) indications inside the battery compartment.
- 3 Replace the battery compartment cover.



## 1.6.3 Handling the Remote Control

- Do not subject to strong shock.
- Do not allow water or other liquid to splash the remote control. If the remote control gets wet, wipe it dry immediately.
- Avoid exposure to heat and steam.
- Other than to install the batteries, do not open the remote control.

### Caution:

The incorrect use of batteries can result in leaks or bursting. Be sure to follow these instructions:

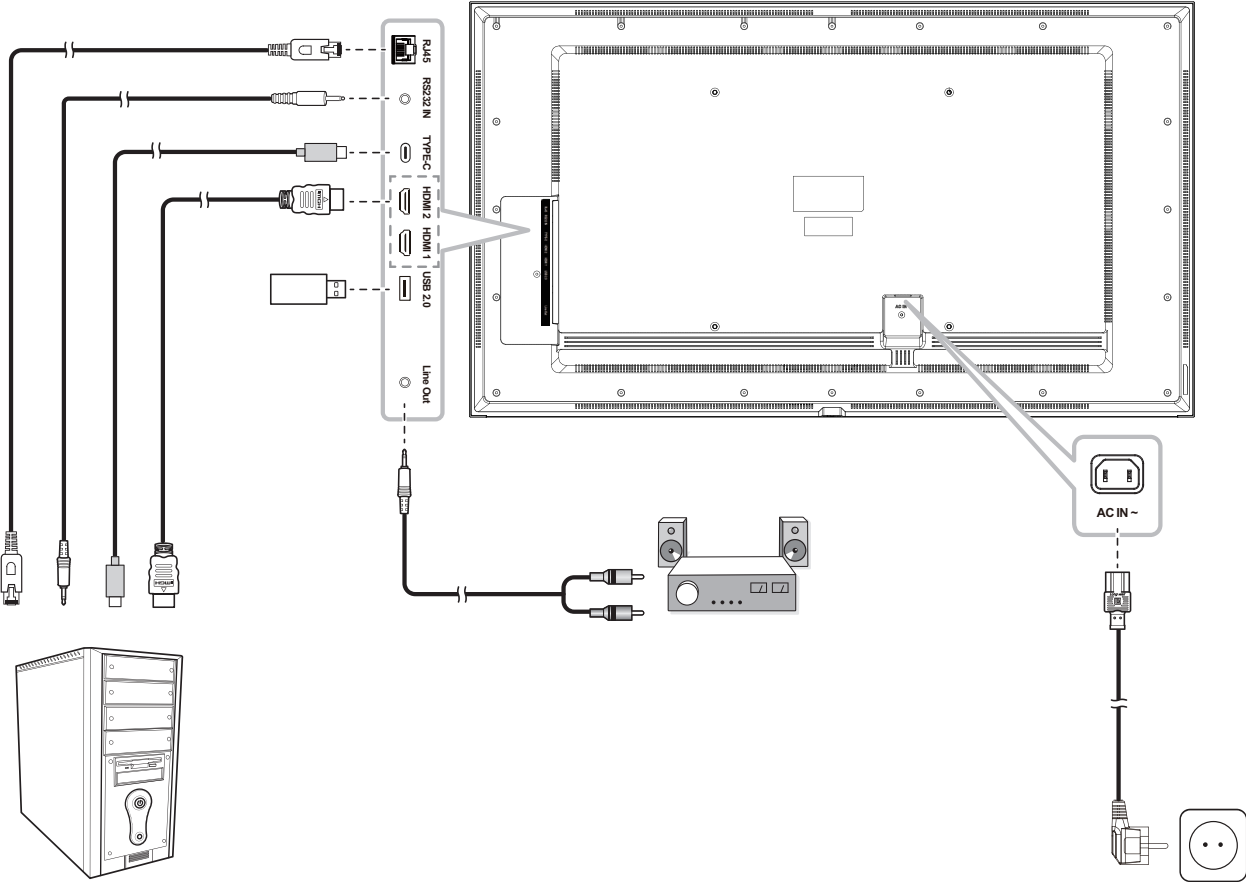
- ◆ Place “AAA” batteries matching the (+) and (-) signs on each battery to the (+) and (-) signs of the battery compartment.
- ◆ Do not mix battery types.
- ◆ Do not combine new batteries with used ones. It causes shorter life or leakage of batteries.
- ◆ Remove the dead batteries immediately to prevent them from liquid leaking in the battery compartment. Don't touch exposed battery acid, as it can damage your skin.

### Note:

- ◆ If you do not intend to use the remote control for a long period, remove the batteries.
- ◆ The remote control may not function properly when the remote control sensor on this display is under direct sunlight or strong illumination, or when there is an obstacle in the path of signal transmission.

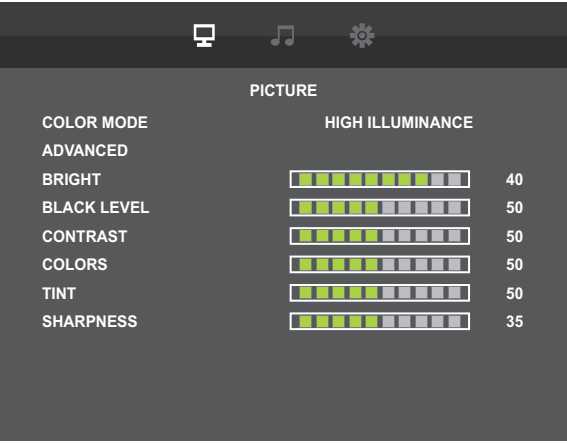
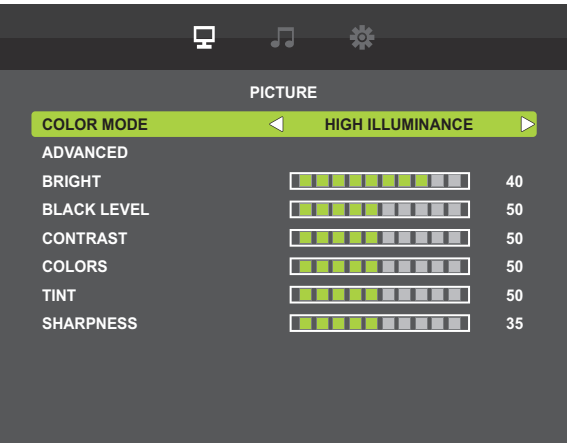
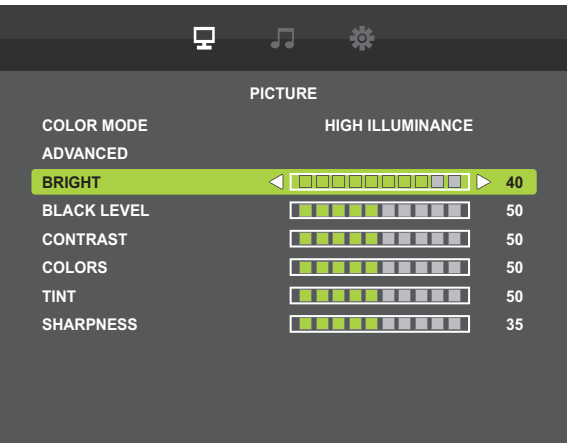


# CHAPTER 2: MAKING CONNECTIONS

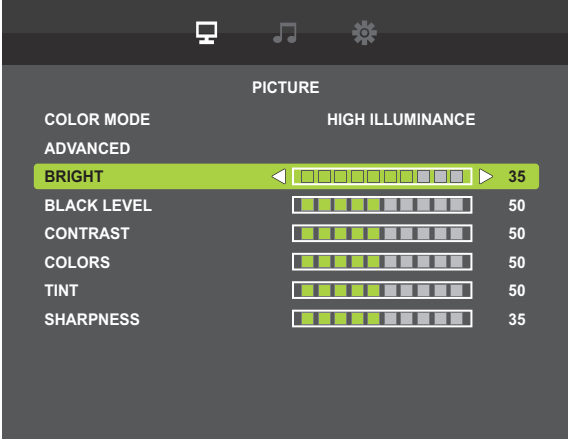


# CHAPTER 3: ON SCREEN DISPLAY MENU

## 3.1 Using the OSD Menu

| # | Menu Navigation  | Operation  |  |
|---|--|--|--|
|   |  | Control Panel  | Remote Control   |
| 1 | <p>Display the main menu screen.</p>    | <p>1 Press the <b>MENU</b> button.</p> <p>2 Press the <b>+/-</b> button to select the main menu item (□/♪/⚙️).</p>   | <p>1 Press the <b>⬆️</b> button.</p> <p>2 Press the <b>⬅️/➡️</b> button to select the main menu item (□/♪/⚙️).</p>   |
| 2 | <p>Enter the menu screen.</p>    | <p>Press the <b>▼</b> button to enter the menu screen.</p>   | <p>Press the <b>OK</b> or <b>⬇️</b> button to enter the menu screen.</p>   |
| 3 | <p>Select the submenu.</p>  <p>The highlighted item (green) indicates the active submenu.</p> | <p>Press the <b>▲</b> or <b>▼</b> button to select the menu item.</p> <p>If the menu item has the submenu, press the <b>—</b> button to enter its submenu.</p> | <p>Press the <b>⬇️</b> or <b>⬅️</b> button to select the menu item.</p> <p>If the menu item has the submenu, press the <b>OK</b> or <b>➡️</b> button to enter its submenu.</p> |

# ON SCREEN DISPLAY MENU

| # | Menu Navigation  | Operation   |   |
|---|--|---|---|
|   |  | Control Panel   | Remote Control  |
| 4 | Adjust the settings.<br>For example:  | Press the <b>+</b> or <b>-</b> button to select/adjust the setting. | Press the <b>←</b> or <b>→</b> button to select/adjust the setting. |
| 5 | Exit the submenu.  | Press the <b>MUTE</b> button to return to the main menu screen.     | Press the <b>↶</b> button to return to the previous menu.           |
| 6 | Close the OSD window.  | Press the <b>MENU</b> button.                                       | Press the <b>⬆</b> button or the <b>↶</b> button several times.     |

When settings are modified, all changes are saved when the user does the following:

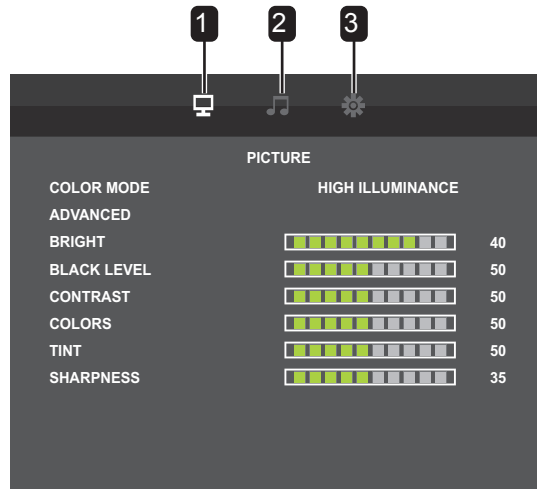
- Proceeds to the another menu.
- Exits the OSD menu.
- Waits for the OSD menu to disappear.

## Note:

- ◆ Availability of some menu items depend on the input source signal. If the menu is not available, it is disabled and grayed out.

# ON SCREEN DISPLAY MENU

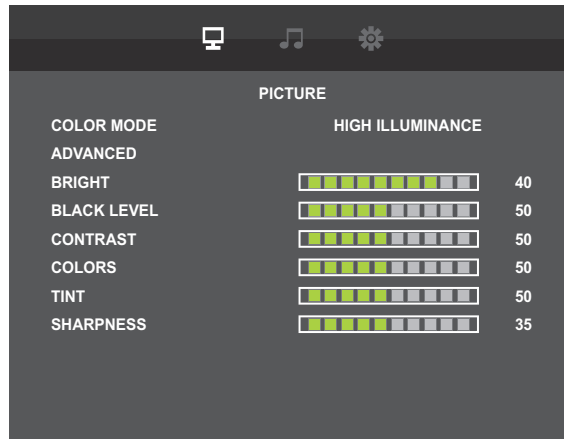
## 3.2 OSD Menu Tree

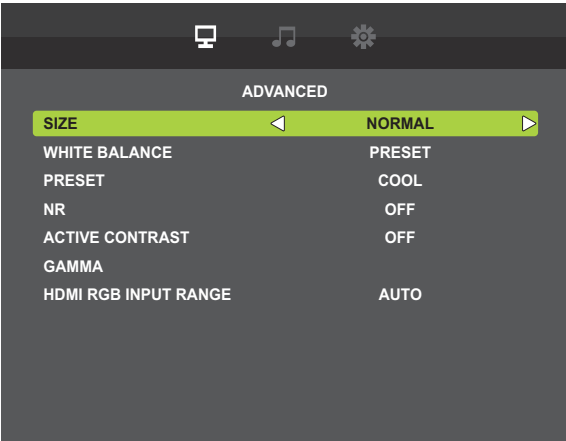


| Main Menu  | Submenu   | Remarks      |
|------------|---|--------------|
| 1. PICTURE | <ul style="list-style-type: none"> <li>• COLOR MODE</li> <li>• ADVANCED</li> <li>• BRIGHT</li> <li>• BLACK LEVEL</li> <li>• CONTRAST</li> <li>• COLORS</li> <li>• TINT</li> <li>• SHARPNESS</li> </ul>  | See page 19. |
| 2. AUDIO   | <ul style="list-style-type: none"> <li>• TREBLE</li> <li>• BASS</li> <li>• BALANCE</li> <li>• SPEAKER</li> <li>• AUDIO OUTPUT</li> </ul>  | See page 21. |
| 3. SETUP   | <ul style="list-style-type: none"> <li>• LANGUAGE</li> <li>• DATE/TIME SETTING</li> <li>• SCHEDULE</li> <li>• ALINK</li> <li>• HDMI MODES</li> <li>• COMMUNICATION SETTING</li> <li>• SCREEN</li> <li>• OPERATION MODE</li> <li>• POWER SAVE MODE</li> <li>• OFF IF NO OPERATION</li> <li>• STANDBY</li> <li>• NO SIGNAL AUTO INPUT SEL.</li> <li>• AUTO PLAY</li> <li>• MONITOR BUTTONS LOCK</li> <li>• REMOTE CONTROL LOCK</li> <li>• THERMAL SENSOR SETTING</li> <li>• LED</li> <li>• INFORMATION</li> <li>• ROTATE 180°</li> <li>• ANTI-BURN-IN</li> <li>• ALL RESET</li> </ul> | See page 22. |

# CHAPTER 4: ADJUSTING THE LCD DISPLAY

## 4.1 Picture Settings



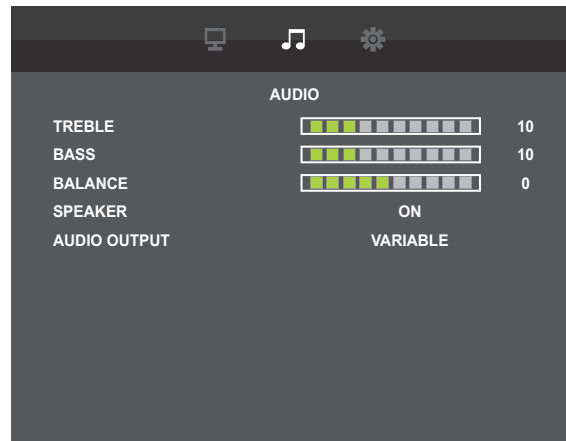
| Item       | Function  | Range                                       |
|------------|---|---|
| COLOR MODE | Change the color mode on the screen.  | STD<br>VIVID<br>sRGB<br>HIGH<br>ILLUMINANCE |
| ADVANCED   |   |   |
|            | SIZE: Switch the screen size.   | WIDE<br>ZOOM<br>NORMAL<br>Dot by Dot        |
|            | WHITE BALANCE: Select the color temperature.<br><b>Note:</b> This menu item is not available if the COLOR MODE is set to sRGB.  | PRESET<br>USER                              |
|            | PRESET: Select the color temperature when the WHITE BALANCE is set to PRESET.<br><b>Note:</b> This menu item is not available if the COLOR MODE is set to sRGB.   | WARM<br>NORMAL<br>COOL                      |
|            | USER: Adjust the bright-toned of the red/green/blue component when the WHITE BALANCE is set to USER.<br><b>Note:</b> This menu item is not available if the COLOR MODE is set to sRGB. Instead of displaying USER, PRESET is displayed. | R-CONTRAST<br>G-CONTRAST<br>B-CONTRAST      |

# ADJUSTING THE LCD DISPLAY

| Item                            | Function  | Range                            |
|---------------------------------|---|----------------------------------|
| ADVANCED<br>( <i>continue</i> ) | NR: Adjust the noise reduction to help remove noise from images. This helps produce clearer and crisper images.<br><b>Note:</b> Support YCbCr color space for HDMI input.     | OFF<br>LOW<br>MIDDLE<br>HIGH     |
|                                 | ACTIVE CONTRAST: Enable/Disable the Active Contrast function.<br><b>Note:</b> This menu item is not available if the COLOR MODE is set to sRGB and the input source is D-SUB. | OFF<br>ON                        |
|                                 | GAMMA: Adjust the non-linear setting for picture luminance and contrast.<br><b>Note:</b> This menu item is only available if the COLOR MODE is set to STD.                    | MODE4<br>MODE3<br>MODE2<br>MODE1 |
|                                 | HDMI RGB INPUT RANGE: Set the RGB input signal range.<br><b>Note:</b><br>• This menu item is only available support RGB color space for HDMI input.                           | AUTO<br>FULL<br>LIMITED          |
| BRIGHT                          | Adjust the luminance of the screen image.   | 0 to 50                          |
| BLACK LEVEL                     | Adjust the black level of the screen image. Low brightness setting makes black colour darker.   | 0 to 100                         |
| CONTRAST                        | Adjust the difference between the black level and the white level.<br><b>Note:</b> This menu item is not available if the input source is D-SUB.                              | 0 to 100                         |
| COLORS                          | Adjust the color saturation of the picture.<br><b>Note:</b> This menu item is not available if the input source is D-SUB.   | 0 to 100                         |
| TINT                            | Adjust the colour tint.<br><b>Note:</b> This menu item is not available if the input source is D-SUB.   | 0 to 100                         |
| SHARPNESS                       | Adjust the clarity and focus of the screen image.<br><b>Note:</b> This menu item is not available if the input source is D-SUB.   | 0 to 63                          |

# ADJUSTING THE LCD DISPLAY

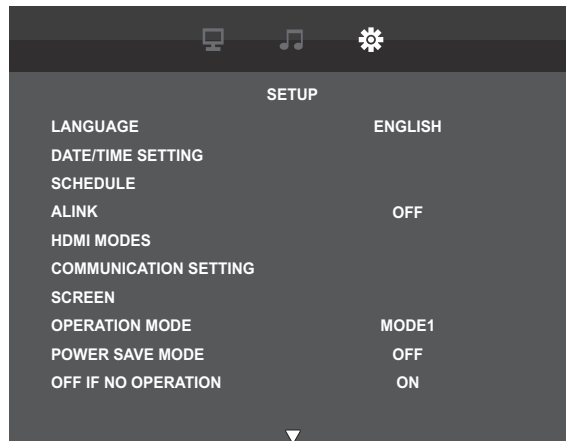
## 4.2 Audio Settings



| Item         | Function  | Range             |
|--------------|---|-------------------|
| TREBLE       | Adjust to increase or decrease the higher-pitched sounds.   | 0 to 31           |
| BASS         | Adjust to increase or decrease the lower-pitched sounds.  | 0 to 31           |
| BALANCE      | Adjust to emphasize the left or right audio output balance.   | -50 to 50         |
| SPEAKER      | Turn the speaker on/off.  | OFF<br>ON         |
| AUDIO OUTPUT | Set the volume of sound output from the audio output terminals. <ul style="list-style-type: none"> <li>VARIABLE: Be able to change the volume with internal speakers and audio output terminals.</li> <li>FIXED: Fix volume of audio output terminal. (If change volume of the display, but it won't reflect to it.)</li> </ul> | VARIABLE<br>FIXED |

# ADJUSTING THE LCD DISPLAY

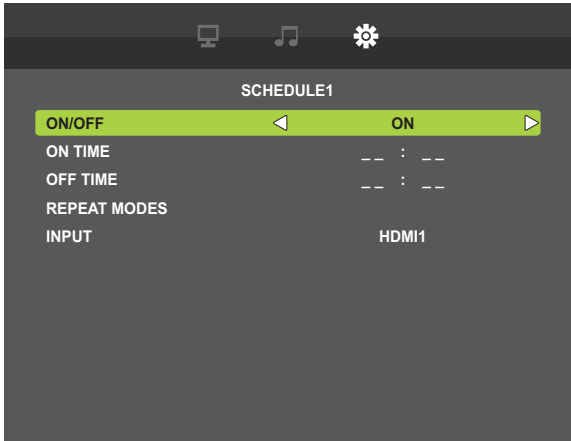
## 4.3 Setup Settings



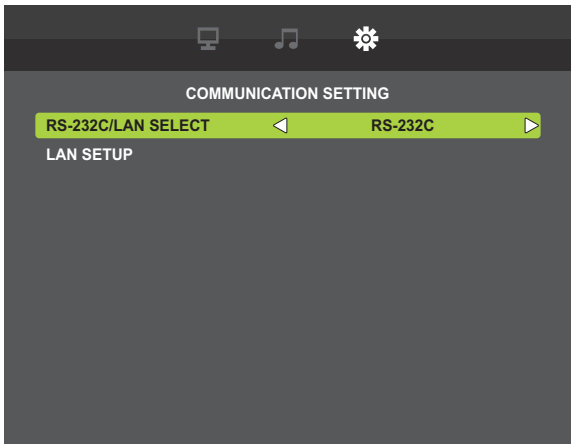
| Item              | Function  | Range  |
|-------------------|---|--|
| LANGUAGE          | Set the OSD language.   | ENGLISH<br>DEUTSCH<br>FRANÇAIS<br>ITALIANO<br>ESPAÑOL<br>РУССКИЙ<br>繁體中文 |
| DATE/TIME SETTING |   |  |
|                   | YEAR: Set the year.   | 2021 to 2099   |
|                   | MONTH: Set the month.   | 01 to 12   |
|                   | DAY: Set the day.   | 01 to 28, 29, 30, 31   |
|                   | TIME: Set the time.   | <24-HOURS><br>00:00 to 23:59<br><12-HOURS><br>00:00 to 11:59             |
|                   | AM/PM: Set the time format.<br><b>Note:</b> This option is not available if the TIME FORMAT is set to 24-HOUR TIME. | AM<br>PM   |
|                   | TIME FORMAT: Set the time display format.   | 12-HOUR TIME<br>24-HOUR TIME   |



# ADJUSTING THE LCD DISPLAY

| Item            | Function  | Range  |
|-----------------|---|--|
| <p>SCHEDULE</p> | <p>This function allows you to program up to 7 different scheduled time intervals for this display to activate.</p> <p>You can set:</p> <ul style="list-style-type: none"> <li>• Which input source the display will use for each scheduled activation period.</li> <li>• The time for the display to turn on and turn off.</li> <li>• The days in a week for the display to activate.</li> </ul> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• We recommend you to set up current date and time in the DATE/TIME SETTING menu before using this function.</li> <li>• After changing the DATE/TIME SETTING option in the SETUP menu, you need to set this Schedule again.</li> </ul> |  |
|                 |    |  |
|                 | <p>ON/OFF: Enable or disable the schedule.</p>  | <p>ON<br/>OFF</p>  |
|                 | <p>ON TIME: Specify the time to turn on the display.</p>  | <p>&lt;24-HOURS&gt;<br/>00:00 to 23:59<br/>&lt;12-HOURS&gt;<br/>00:00 AM to<br/>11:59 PM</p>                       |
|                 | <p>OFF TIME: Specify the time to turn off the display.</p>  | <p>&lt;24-HOURS&gt;<br/>00:00 to 23:59<br/>&lt;12-HOURS&gt;<br/>00:00 AM to<br/>11:59 PM</p>                       |
|                 | <p>REPEAT MODES: Select the days of the week when the schedule is active.</p>   | <p>ONLY ONCE<br/>EVERY SUN<br/>EVERY MON<br/>EVERY TUE<br/>EVERY WED<br/>EVERY THU<br/>EVERY FRI<br/>EVERY SAT</p> |

# ADJUSTING THE LCD DISPLAY

| Item                     | Function  | Range   |
|--------------------------|---|---|
| SCHEDULE<br>(continue)   | INPUT: Set the input source.  | HDMI1<br>HDMI2<br>HDMI3<br>D-SUB<br>USB<br>AUTO PLAY1<br>AUTO PLAY2 |
| ALINK                    | Enable or disable HDMI Consumer Electronics Control control. <ul style="list-style-type: none"> <li>• OFF: Disable the function.</li> <li>• AUTO: The system will automatically control the connected HDMI-CEC compatible device on the same power on or power off status.</li> </ul>   | OFF<br>AUTO   |
| HDMI MODES               | Determine how the content displayed is processed and decoded for the HDMI input source (HDMI1/HDMI2/HDMI3). <ul style="list-style-type: none"> <li>• MODE1: The content will be displayed at the resolution of 3840x2160p @60Hz.</li> <li>• MODE2: The content will be displayed at the resolution of 1920x1080p @60Hz.</li> </ul>  | MODE1<br>MODE2  |
| COMMUNICATION<br>SETTING |    |   |
|                          | RS-232C/LAN SELECT: Select the network control port.  | RS-232C<br>LAN  |
|                          | LAN SETUP: Configure the network parameters.<br><b>Note:</b> This option is not available if the RS-232C/LAN SELECT is set to LAN. <ul style="list-style-type: none"> <li>• VIEW NETWORK SETTINGS: View the current network configurations.</li> <li>• DHCP CLIENT: Select ON to allow the system to assign an IP address automatically. Otherwise, select OFF to manually configure the network settings.</li> <li>• IP ADDRESS: Assign an IP address.</li> <li>• SUBNET MASK: Specify the subnet mask.</li> <li>• DEFAULT GATEWAY: Specify the default gateway.</li> <li>• SET: Save and apply the settings.</li> </ul> | N/A   |

# ADJUSTING THE LCD DISPLAY

| Item   | Function   | Range                 |
|--|--|-----------------------|
| SCREEN<br><b>Note:</b> This option is available only if the input source is D-SUB. | AUTO: Automatically optimize the display of D-SUB input image.   | N/A                   |
|  | CLOCK: Adjust the width of the image.  | 0 to 100              |
|  | PHASE: Adjust to improve the focus, clarity and stability of the image.  | 0 to 100              |
|  | H-POS: Move the image to the right or left.  | 0 to 100              |
|  | V-POS: Move the image up or down.  | 0 to 100              |
|  | RESET: Resets all settings in the SCREEN menu to the factory preset values.  | NO<br>YES             |
| OPERATION MODE   | Select the operation mode setting. <ul style="list-style-type: none"> <li>• MODE1:               <ul style="list-style-type: none"> <li>» In case there is no operation for more than 4 hours, the display will automatically go into standby mode.</li> <li>» In case there is no signal for 5 minutes, the display will automatically go into standby mode.</li> <li>» The LAN function is disabled. (During power standby)</li> </ul> </li> <li>• MODE2:               <ul style="list-style-type: none"> <li>» The power consumption can be higher than MODE1.</li> <li>» Networked standby mode can be changed at POWER SAVE MODE setting.</li> </ul> </li> </ul> <b>Note:</b> The POWER SAVE MODE/OFF IF NO OPERATION/STANDBY menu option is not available if the setting is set to MODE1. | MODE1<br>MODE2        |
| POWER SAVE MODE  | Enable or disable the power saving mode.<br>When OFF is selected, startup time from standby mode is reduced. Note, however, that more power will be consumed in standby mode.<br>When ON is selected, current consumption is reduced while the monitor is in standby mode. Note, however, that the startup time from standby mode becomes longer.<br>If set to ON, certain RS-232C commands and LAN control cannot be used in standby mode.<br><b>Note:</b> This menu item is not available if the OPERATION MODE is set to MODE1.   | OFF<br>ON             |
| OFF IF NO OPERATION  | Set whether or not the display automatically enters standby mode when there is no operation for 4 hours.<br><b>Note:</b> This menu item is not available if the OPERATION MODE is set to MODE1.  | OFF<br>ON             |
| STANDBY  | Set whether or not the display automatically enters standby mode when there is no signal detected.<br><b>Note:</b> This menu item is not available if the OPERATION MODE is set to MODE1.  | OFF<br>ON             |
| NO SIGNAL AUTO INPUT SEL.  | Enable or disable the device to detect and display from available video input automatically.<br><b>Note:</b> This menu item is not available if the OPERATION MODE is set to MODE1.  | OFF<br>ON             |
| AUTO PLAY  | Disable the function or set the type of file to be automatically played from a USB flash drive.  | OFF<br>PHOTO<br>MOVIE |

# ADJUSTING THE LCD DISPLAY

| Item                         | Function  | Range   |
|------------------------------|---|---|
| MONITOR<br>BUTTONS LOCK      | Enable or disable the control panel buttons function of the LCD display.<br><b>Note:</b> <ul style="list-style-type: none"> <li>To unlock the function by using the remote control, press "OPTIONS", "UP", "DOWN", "LEFT", and "RIGHT" buttons.</li> </ul>  | UNLOCKED<br>LOCK ALL  |
| REMOTE<br>CONTROL LOCK       | Enable or disable some or all remote control buttons. <ul style="list-style-type: none"> <li>UNLOCKED: Unlock all remote control buttons.</li> <li>LOCK ALL: Lock all remote control buttons.</li> <li>LOCK EXCEPT VOLUME: Lock all remote control buttons except for the <b>Volume</b> control buttons.</li> <li>LOCK EXCEPT POWER: Lock all remote control buttons except for the Power button.</li> </ul> <b>Note:</b> <ul style="list-style-type: none"> <li>To unlock the function by using the remote control, press "OPTIONS", "UP", "DOWN", "LEFT", and "RIGHT" buttons.</li> </ul> | UNLOCKED<br>LOCK ALL<br>LOCK EXCEPT<br>VOLUME<br>LOCK EXCEPT<br>POWER |
| THERMAL<br>SENSOR<br>SETTING | Set it correctly according to the installation direction of the monitor.  | LANDSCAPE<br>PORTRAIT<br>FACE UP                                      |
| LED                          | Set the display LED indicator on or off.  | OFF<br>ON   |
| INFORMATION                  | View the information about your LCD display.  | N/A   |
| ROTATE 180°                  | Set whether or not the video/OSD menu can be rotated to 180 degrees.  | OFF<br>ON   |
| ANTI-BURN-IN                 | Enable or disable Anti-Burn-in™ function.<br>For the monitor to slightly shift the position of pixel in two directions (left, right).   | OFF<br>ON   |
| ALL RESET                    | Resets all settings to the factory preset values.   | NO<br>YES   |

# CHAPTER 5: MULTIMEDIA

## 5.1 Overview

- Play photo files, audio files and movie files equipped in USB flash.
- There are 2 play modes as ManualPlay and AutoPlay.
  - With ManualPlay, it implements BGM function that select audio file playing photo files.
  - Not support to play audio files with AutoPlay mode.

## 5.2 Supported Format

- The following file type are supported.

| Media Type | Supported Extensions |
|------------|----------------------|
| Photo      | jpg, jpeg            |
| Audio      | mp3                  |
| Movie      | mp4, ts (mpg *1)     |

\*1: Other than MP4 and TS are not described in user manual, so they are officially unsupported.

- Available specs to play with each media type are as follows.

### USB Multimedia Codec Formats

| Type  | Format     | Video Codec    | Audio Codec                                       |
|-------|------------|----------------|---|
| Movie | .mp4       | H.264          | MPEG-1 Layer2, MPEG-1 Layer3,<br>MPEG-2 Layer3,   |
|       | .ts        | MPEG2, H.264   | AC3, LPCM, ADPCM, AAC, DD+,HE-<br>AAC             |
|       | .mpg       | MPEG-1, MPEG-2 |   |
| Audio | .mp3       |                | MPEG-1 Layer2,<br>MPEG-1 Layer3,<br>MPEG-2 Layer3 |
| Photo | .jpg/.jpeg |                |   |

### Note:

#### When the monitor is reading data from a USB device, please observe the following:

- ◆ The above file formats may not play properly. Some resolution or other factors may make the file unplayable.
- ◆ Some USB storage devices may not be compatible.
- ◆ It might not be possible to play some files due to their data type or file size.
- ◆ The manufacturer is not responsible if the USB device is not supported, nor is it responsible for damage to or loss of data in the device.

# MULTIMEDIA

## 5.3 Supported USB Flash

|                           |                        |
|---------------------------|------------------------|
| File system               | FAT16/32, NTFS         |
| Max capacity              | 32GB(FAT32), 2TB(NTFS) |
| Mac file size             | 4GB(FAT32)             |
| USB Encrypted flash drive | Not Supported          |

※ Not support memory device with multi partition.

## 5.4 Play Mode

There are Manual play mode and Auto play mode as a way to play files.

| Mode        | How to Start   | Supported File |       |       | Content  |
|-------------|--|----------------|-------|-------|--|
|             |  | Photo          | Audio | Movie |  |
| Manual Play | Select files or a folder and play them.  | ○              | ○     | ○     | <ul style="list-style-type: none"> <li>Play selected files or all of supported files in current folder.</li> <li>Play selected audio file as background music while playing photo.</li> </ul>  |
| Auto Play   | Start to play automatically if meet conditions when turn on the main power or the monitor. |                |       |       | <ul style="list-style-type: none"> <li>Automatically play defined name files in "autoplay" folder.</li> <li>Add values of "USB1" and "USB2" for input selection for schedule setting.</li> <li>If schedule function invoke autoplay with "USB1", automatical play defined name files in "autoplay1" folder.</li> <li>If schedule function invoke autoplay with "USB2", automatical play defined name files in "autoplay2" folder.</li> </ul> |
|             | Start to play automatically if meet conditions instert a memory device.                    | ○              | X     | ○     |  |
|             | Start to play automatically if set input mode to schedule when it is executed.             |                |       |       |  |

## 5.5 Order to Play Files

The order to play by auto play.

Play defined named files from "001" to "030".

# MULTIMEDIA

## 5.6 Detail of Each Screen

### Select Media type screen



- Select media type to play.

| Item  | Function                 |
|-------|--------------------------|
| PHOTO | Enter photo file browser |
| MUSIC | Enter audio file browser |
| MOVIE | Enter movie file browser |

- Function Icons are different with media type.

| Function                         | Option                               | Photo                 | Audio                 | Movie                 | Note                                       |
|----------------------------------|--------------------------------------|-----------------------|-----------------------|-----------------------|--|
| Play                             | -                                    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| Pause                            | -                                    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| FB                               | FB2X, FB4X, FB8X, FB16X, FB32X       | X                     | <input type="radio"/> | <input type="radio"/> | FB32X is for only MOVIE.                   |
| FF                               | FF2X, FF4X, FF8X, FF16X, FF32X       | X                     | <input type="radio"/> | <input type="radio"/> | FB32X is for only MOVIE.                   |
| Prev.                            | -                                    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| Next                             | -                                    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| Stop                             | -                                    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| Repeat                           | None, 1File, All                     | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Invalid and fixed to "All" with Auto Play. |
| Repeat during A-B                | -                                    | X                     | <input type="radio"/> | <input type="radio"/> | Invalid with Auto Play.                    |
| Random Repeat                    | On, Off                              | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Invalid with Auto Play.                    |
| Music On/Off                     | On, Off                              | <input type="radio"/> | X                     | X                     |  |
| Slideshow time                   | Short 5sec, Medium 10sec, Long 15sec | <input type="radio"/> | X                     | X                     |  |
| Playlist                         | -                                    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| Info.                            | -                                    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |  |
| Rotate 90 degrees Clockwise      | -                                    | <input type="radio"/> | X                     | X                     |  |
| Rotate 90 degrees Anti-Clockwise | -                                    | <input type="radio"/> | X                     | X                     |  |
| Zoom In                          | Fill, X1, X2, X4                     | <input type="radio"/> | X                     | X                     |  |
| Zoom Out                         | Fill, X1, X2, X4                     | <input type="radio"/> | X                     | X                     |  |
| Move View                        | -                                    | <input type="radio"/> | X                     | X                     |  |
| Wide                             | -, Photo                             | X                     | X                     | X                     |  |

# MULTIMEDIA

## 5.7 AutoPlay

- There are 3 type AutoPlay by turning on the monitor, inserting a media and schedule.
  1. AutoPlay by turning on the monitor
 

Start to play automatically with matching the condition of AutoPlay as turning on the monitor

※ However, execute schedule setting prior to this AutoPlay when turning on by schedule.

If SCHEDULE-INPUT is “AUTO PLAY1” or “AUTO PLAY2” and turning on by schedule, execute schedule setting same as above explain.
  2. AutoPlay by inserting a media
 

Start to play automatically with matching the condition of AutoPlay as inserting a media.
  3. AutoPlay by schedule
 

Start to play automatically with matching the condition of AutoPlay as executing a schedule.
- Limitation and condition of AutoPlay

| Condition                        | By turning on the monitor                         | By inserting a media                              | By schedule                                       |
|----------------------------------|---|---|---|
| Location of target files         | /root/autoplay                                    | /root/autoplay                                    | /root/autoplay, /root/autoplay1, /root/autoplay2  |
| Playlist                         | Not need to make the file.                        | Not need to make the file.                        | Not need to make the file.                        |
| Supported file                   | jpg or mp4  | jpg or mp4  | jpg or mp4  |
| A number of target files         | Max 30 files                                      | Max 30 files                                      | Max 30 files                                      |
| Combination with Photo and Movie | Impossible  | Impossible  | Impossible  |
| Rule of target file name         | ex.) "001.jpg", "002.jpg", "003.jpg"... "030.jpg" | ex.) "001.jpg", "002.jpg", "003.jpg"... "030.jpg" | ex.) "001.jpg", "002.jpg", "003.jpg"... "030.jpg" |
| Setting of AutoPlay              | OFF/PHOTO/MOVIE                                   | OFF/PHOTO/MOVIE                                   | OFF/PHOTO/MOVIE                                   |

## 5.8 Setting of Schedule Enabling AutoPlay

With below condition, Auto Play by schedule is started.

- 1) Set the input mode of the schedule to “USB” or “AUTO PLAY1” or “AUTO PLAY2”.
- 2) The power on time of the schedule comes.
- 3) A USB flash is inserted.
- 4) Target files to play exists in the specified folder of the USB flash.

Refer to following folder by setting SCHEDULE-INPUT.

| SCHEDULE->INPUT   | USB               | AUTO PLAY1         | AUTO PLAY2         |
|-------------------|-------------------|--------------------|--------------------|
| Referenced folder | USB root/autoplay | USB root/autoplay1 | USB root/autoplay2 |

If the AUTO PLAY setting is “PHOTO”, the photo contents are played.

If the AUTO PLAY setting is “MOVIE”, the movie contents are played.

- ※ Do not play automatically if turn on the monitor by the schedule that doesn't match the condition.
- When AUTO PLAY in OSD is “OFF” and SCHEDULE-INPUT is “USB” or “AUTO PLAY1” or “AUTO PLAY2”, change input mode to USB(Media player mode) but NO contents are played.



# CHAPTER 6: APPENDIX

## 6.1 Warning Messages

| Warning Messages          | Cause  | Solution   |
|---------------------------|--|--|
| INPUT SIGNAL OUT OF RANGE | The resolution or the refresh rate of the graphics card of the computer is set too high. | <ul style="list-style-type: none"><li>• Change the resolution or the refresh rate of the graphics card.</li></ul>  |
| Multi-color screen        | The LCD display cannot detect the input source signal.                                   | <ul style="list-style-type: none"><li>• Check if the input source is turned ON.</li><li>• Check if the signal cable is properly connected.</li><li>• Check if any pin inside the cable connector is twisted or broken.</li></ul> |
| MONITOR BUTTONS LOCK      | The operation using the control panel buttons has been locked by the user.               | <ul style="list-style-type: none"><li>• Disable the keyboard lock function in <b>SETUP &gt; MONITOR BUTTONS LOCK</b> menu. See page 25.</li></ul>  |
| REMOTE CONTROL LOCK       | The operation using the remote control buttons has been locked by the user.              | <ul style="list-style-type: none"><li>• Disable the remote control lock function in <b>SETUP &gt; REMOTE CONTROL LOCK</b> menu. See page 25.</li></ul>   |

# APPENDIX

## 6.2 Input Mode

### PC Signal

| Resolution | Horizontal      | Vertical       | Dot             | VGA    | HDMI |   |
|------------|-----------------|----------------|-----------------|--------|------|---|
|            | Frequency (kHz) | Frequency (Hz) | Frequency (MHz) |        |      |   |
| VESA       | 640×480         | 31.5           | 60              | 25.175 | ✓    | ✓ |
|            | 800×600         | 37.9           | 60              | 40     | ✓    | ✓ |
|            | 848×480         | 31             | 60              | 33.75  | ✓    | X |
|            | 1024×768        | 48.4           | 60              | 65     | ✓    | ✓ |
|            | 1289×800        | 49.7           | 60              | 83.5   | ✓    | ✓ |
|            | 1280×960        | 60             | 60              | 108    | ✓    | ✓ |
|            | 1280×1024       | 64             | 60              | 108    | ✓    | ✓ |
|            |                 | 80             | 75              | 135    | ✓    | ✓ |
|            | 1360×768        | 47.7           | 60              | 85.5   | X    | ✓ |
|            | 1440×1050       | 65.3           | 60              | 121.75 | X    | ✓ |
|            | 1440×900        | 55.9           | 60              | 106.5  | ✓    | ✓ |
| 1680×1050  | 65.3            | 60             | 146.25          | ✓      | ✓    |   |
| Wide       | 1280×720        | 44.7           | 60              | 74.4   | ✓    | ✓ |
|            | 1920×1080       | 67.5           | 60              | 148.5  | ✓    | ✓ |
|            | 3840×2160       | 54             | 24              | 297    | X    | ✓ |
|            |                 | 56.25          | 25              | 297    | X    | ✓ |
|            |                 | 67.5           | 30              | 297    | X    | ✓ |
|            |                 | 112.5          | 50              | 594    | X    | ✓ |
| 135        | 60              | 594            | X               | ✓      |      |   |
| US TEXT    | 720×400         | 31.5           | 70              | 28.3   | ✓    | ✓ |

# APPENDIX

## AV Signal

| Standard Resolution | Frequency | HDMI |
|---------------------|-----------|------|
| 3840 × 2160p        | 24Hz      | Yes  |
|                     | 25Hz      | Yes  |
|                     | 30Hz      | Yes  |
|                     | 50Hz      | Yes  |
|                     | 59.94Hz   | Yes  |
|                     | 60Hz      | Yes  |
| 1920 × 1080p        | 24Hz      | Yes  |
|                     | 50Hz      | Yes  |
|                     | 59.94Hz   | Yes  |
|                     | 60Hz      | Yes  |
| 1920 × 1080i        | 50Hz      | Yes  |
|                     | 59.94Hz   | Yes  |
|                     | 60Hz      | Yes  |
| 720 × 576p          | 50Hz      | Yes  |
| 720 × 480p          | 59.94Hz   | Yes  |
|                     | 60Hz      | Yes  |
| 640 × 480p(VGA)     | 59.94Hz   | Yes  |
|                     | 60Hz      | Yes  |
| 720(1440) × 576i    | 50Hz      | Yes  |
| 720(1440) × 480i    | 59.94Hz   | Yes  |
|                     | 60Hz      | Yes  |

### General guidelines:

- The PC text quality is optimum in HD 1080 mode (1920 x 1080, 60Hz).
- Your PC display screen might appear different depending on the manufacturer (and your particular version of Windows).
- Check your PC instruction book for information about connecting your PC to a display.
- If a vertical and horizontal frequency-select mode exists, select 60Hz (vertical) and 31.5KHz (horizontal). In some cases, abnormal signals (such as stripes) might appear on the screen when the PC power is turned off (or if the PC is disconnected). If so, press the **SOURCE** button to enter the video mode. Also, make sure that the PC is connected.
- When horizontal synchronous signals seem irregular in RGB mode, check PC standby mode or cable connections.
- The display settings table complies to the IBM/VESA standards, and based on the analog input.
- The best timing for the vertical frequency to each mode is 60Hz.

## 6.3 Cleaning

### Caution When Using the Display

- Do not bring your hands, face or objects close to the ventilation holes of the display. The top of the display is usually very hot due to the high temperature of exhaust air being released through the ventilation holes. Burns or personal injuries may occur if any body parts are brought too close. Placing any object near the top of the display could also result in heat related damage to the object as well as the display itself.
- Be sure to disconnect all cables before moving the display. Moving the display with its cables attached may damage the cables and thus cause fire or electric shock.
- Disconnect the power plug from the wall outlet as a safety precaution before carrying out any type of cleaning or maintenance procedure.

### Front Panel Cleaning Instructions



- The front of the display has been specially treated. Wipe the surface gently using only a cleaning cloth or a soft, lint-free cloth.
- If the surface becomes dirty, soak a soft, lint-free cloth in a mild detergent solution. Wring the cloth to remove excess liquid. Wipe the surface of the display to remove dirt. Then use a dry cloth of the same type to dry.
- Do not scratch or hit the surface of the panel with fingers or hard objects of any kind.
- Do not use volatile substances such as insert sprays, solvents and thinners.

### Cabinet Cleaning Instructions

- If the cabinet becomes dirty, wipe the cabinet with a soft, dry cloth.
- If the cabinet is extremely dirty, soak a lint-free cloth in a mild detergent solution. Wring the cloth to remove as much moisture as possible. Wipe the cabinet. Use another dry cloth to wipe over until the surface is dry.
- Do not allow any water or detergent to come into contact with the surface of the display. If water or moisture gets inside the unit, operating problems, electrical and shock hazards may result.
- Do not scratch or hit the cabinet with fingers or hard objects of any kind.
- Do not use volatile substances such as insert sprays, solvents and thinners on the cabinet.
- Do not place anything made from rubber or PVC near the cabinet for any extended periods of time.

# APPENDIX

## 6.4 Troubleshooting

| Symptom   | Possible Cause  | Remedy  |
|---|---|---|
| No picture is displayed   | <ul style="list-style-type: none"> <li>The power cord has been disconnected.</li> <li>The main power switch on the back of the display is not switched on.</li> <li>The selected input has no connection.</li> <li>The display is in standby mode.</li> </ul> | <ol style="list-style-type: none"> <li>1 Plug in the power cord.</li> <li>2 Make sure the power switch is switched on.</li> <li>3 Connect a signal connection to the display.</li> </ol>  |
| Interference displayed on the display or audible noise is heard   | Caused by surrounding electrical appliances or fluorescent lights.  | Move the display to another location to see if the interference is reduced.   |
| Colour is abnormal  | The signal cable is not connected properly.   | Make sure that the signal cable is attached firmly to the back of the display.  |
| Picture is distorted with abnormal patterns   | <ul style="list-style-type: none"> <li>The signal cable is not connected properly.</li> <li>The input signal is beyond the capabilities of the display.</li> </ul>  | <ul style="list-style-type: none"> <li>Make sure that the signal cable is attached firmly.</li> <li>Check the video signal source to see if it is beyond the range of the display. Please verify its specifications with this display's specification section.</li> </ul>   |
| Display image doesn't fill up the full size of the screen   | The picture size is not set correctly.  | Press the  <b>FORMAT</b> button and select a suitable picture size.  |
| Can hear sound, but no picture  | Improperly connected source signal cable.   | Make sure that both video inputs and sound inputs are correctly connected.  |
| Can see picture but no sound is heard   | <ul style="list-style-type: none"> <li>Improperly connected source signal cable.</li> <li>Volume is turned all the way down.</li> <li><b>MUTE</b> function is turned on.</li> <li>No external speaker connected.</li> </ul>                                   | <ul style="list-style-type: none"> <li>Make sure that both video and sound inputs are correctly connected.</li> <li>Press the <b>+</b> or <b>-</b> button to hear the sound.</li> <li>Switch the <b>MUTE</b> function off by using the  button.</li> <li>Connect the external speakers and adjust the volume to a suitable level.</li> </ul> |
| Some picture elements do not light up   | Some pixels of the display may not turn on.   | This display is manufactured using an extremely high level of precision technology: however, sometimes some pixels of the display may not display. This is not a malfunction.   |
| After-Images can still be seen on the display after the display is powered off. (Examples of still pictures include logos, video games, computer images, and images displayed in 4:3 normal mode) | A still picture is displayed for an over extended period of time.   | Ensure that the ANTI-BURN-IN function has been enabled to prevent burn-in. Please refer to page 5.  |

# CHAPTER 7: SPECIFICATIONS

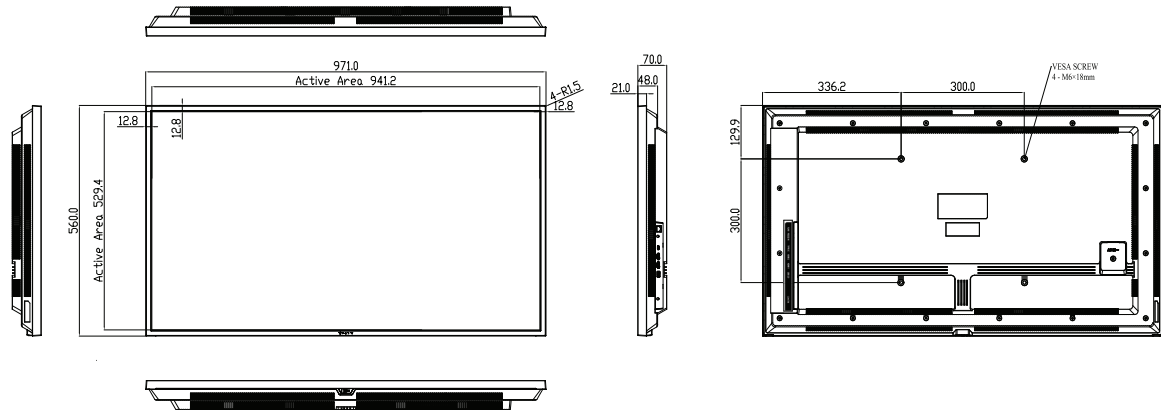
## 7.1 Display Specifications

|                      |                       | QM4303  | QM5503  | QM6503  | QM7503   |
|----------------------|-----------------------|---|---|---|--|
| Panel                | Panel Type            | LED-Backlit TFT LCD (VA Technology)                 | LED-Backlit TFT LCD (VA Technology)                 | LED-Backlit TFT LCD (VA Technology)                 | LED-Backlit TFT LCD (VA Technology)                  |
|                      | Panel Size            | 42.5"   | 54.6"   | 64.5"   | 64.5"  |
|                      | Max. Resolution       | UHD 3840 x 2160                                     | UHD 3840 x 2160                                     | UHD 3840 x 2160                                     | UHD 3840 x 2160                                      |
|                      | Pixel Pitch           | 0.245 mm  | 0.315 mm  | 0.372 mm  | 0.429 mm   |
|                      | Brightness            | 500 cd/m <sup>2</sup>                               | 500 cd/m <sup>2</sup>                               | 500 cd/m <sup>2</sup>                               | 500 cd/m <sup>2</sup>                                |
|                      | Contrast Ratio        | 4000:1  | 5000:1  | 5000:1  | 5500:1   |
|                      | Viewing Angle (H/V)   | 178°/178°   | 178°/178°   | 178°/178°   | 178°/178°  |
|                      | Display Colour        | 1.07G   | 1.07G   | 1.07G   | 1.07G  |
|                      | Response Time         | 5 ms  | 5 ms  | 5 ms  | 5 ms   |
|                      | Surface Treatment     | Anti-Glare Treatment (Haze 25%), 3H Hard Coating    | Anti-Glare Treatment (Haze 25%), 3H Hard Coating    | Anti-Glare Treatment (Haze 25%), 3H Hard Coating    | Anti-Glare Treatment (Haze 25%), 3H Hard Coating     |
| Signal Input         | HDMI                  | 2.0 x 2   | 2.0 x 2   | 2.0 x 2   | 2.0 x 2  |
|                      | Type-C                | x 1 (w/o PD)  | x 1 (w/o PD)  | x 1 (w/o PD)  | x 1 (w/o PD)   |
| External Control     | RS232 In              | 3.5 mm Phone Jack                                   | 3.5 mm Phone Jack                                   | 3.5 mm Phone Jack                                   | 3.5 mm Phone Jack                                    |
|                      | RJ45                  | RJ45 x 1  | RJ45 x 1  | RJ45 x 1  | RJ45 x 1   |
| Other connectivity   | USB                   | 2.0 x 1 (Service Port / Media Playback)             | 2.0 x 1 (Service Port / Media Playback)             | 2.0 x 1 (Service Port / Media Playback)             | 2.0 x 1 (Service Port / Media Playback)              |
| Audio                | Audio Out             | Stereo Audio Jack (3.5 mm)                          | Stereo Audio Jack (3.5 mm)                          | Stereo Audio Jack (3.5 mm)                          | Stereo Audio Jack (3.5 mm)                           |
|                      | Internal speaker      | 10W x 2   | 10W x 2   | 10W x 2   | 10W x 2  |
| Power                | Power Supply          | Internal  | Internal  | Internal  | Internal   |
|                      | Power Requirements    | AC 100-240V, 50/60 Hz                               | AC 100-240V, 50/60 Hz                               | AC 100-240V, 50/60 Hz                               | AC 100-240V, 50/60 Hz                                |
|                      | On Mode               | TBD   | TBD   | TBD   | TBD  |
|                      | Standby Mode          | < 0.5W  | < 0.5W  | < 0.5W  | < 0.5W   |
| Operating Conditions | Temperature           | 0°C-40°C (32°F-104°F)                               | 0°C-40°C (32°F-104°F)                               | 0°C-40°C (32°F-104°F)                               | 0°C-40°C (32°F-104°F)                                |
|                      | Humidity              | 20%-80% (non-condensing)                            | 20%-80% (non-condensing)                            | 20%-80% (non-condensing)                            | 20%-80% (non-condensing)                             |
| Storage Conditions   | Temperature           | -20°C-60°C (-4°F-140°F)                             | -20°C-60°C (-4°F-140°F)                             | -20°C-60°C (-4°F-140°F)                             | -20°C-60°C (-4°F-140°F)                              |
|                      | Humidity              | 10%-90% (non-condensing)                            | 10%-90% (non-condensing)                            | 10%-90% (non-condensing)                            | 10%-90% (non-condensing)                             |
| Mounting             | VESA FPMPI            | Yes (300 x 300 mm)                                  | Yes (400 x 400 mm)                                  | Yes (500 x 500 mm)                                  | Yes (500 x 500 mm)                                   |
| Dimensions           | Bezel Width           | Even bezel 12.8 mm                                  | Even bezel 12.8 mm                                  | Even bezel 12.8 mm                                  | Even bezel 12.8 mm                                   |
|                      | w/o base (W x H x D)  | 971.0 x 559.5 x 70.0 mm<br>(38.2" x 22.0" x 2.8")   | 1238.4 x 709.2 x 70.0 mm<br>(57.4" x 32.8" x 2.7")  | 1457.7 x 832.4 x 68.8 mm<br>(57.4" x 32.8" x 2.7")  | 1679 x 957.0 x 69.0 mm<br>(66.1" x 37.7" x 2.7")     |
|                      | Packaging (W x H x D) | 1390.0 x 830.0 x 144.0 mm<br>(54.7" x 32.7" x 5.7") | 1390.0 x 830.0 x 144.0 mm<br>(54.7" x 32.7" x 5.7") | 1640.0 x 990.0 x 164.0 mm<br>(64.6" x 39.0" x 6.5") | 1840.0 x 1112.0 x 177.0 mm<br>(72.4" x 43.8" x 7.0") |
| Weight               | w/o base              | 8 Kg (17.6 lb)                                      | 13 Kg (28.7 lb)                                     | 17.7 Kg (39.0 lb)                                   | 27.7 Kg (61.1 lb)                                    |
|                      | Packaging             | 11.5 Kg (25.4 lb)                                   | 18.5 Kg (40.8 lb)                                   | 27.5 Kg (60.6 lb)                                   | 39.1 Kg (86.2 lb)                                    |

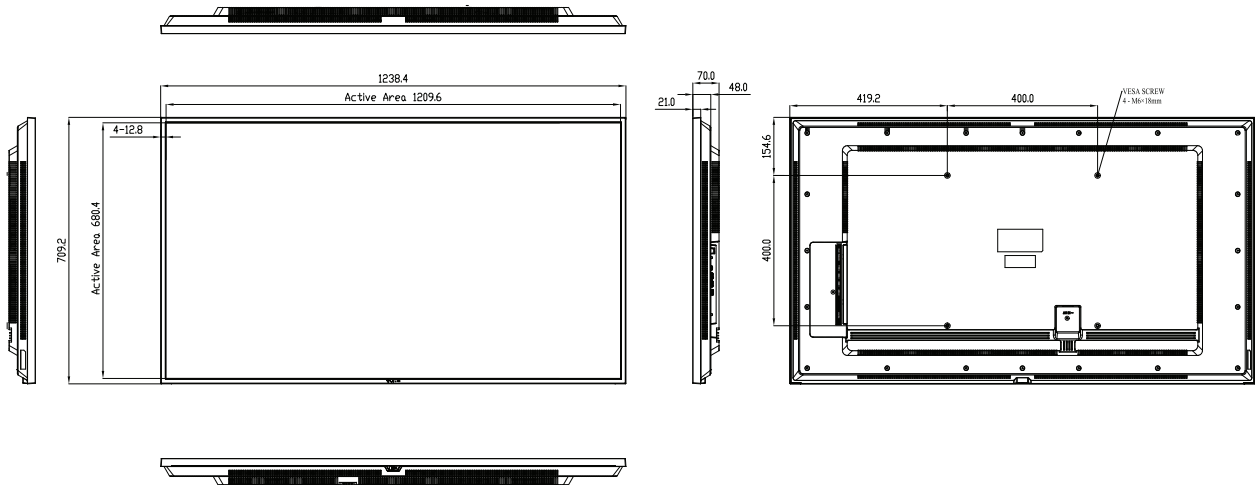
# SPECIFICATIONS

## 7.2 Display Dimensions

### QM4303

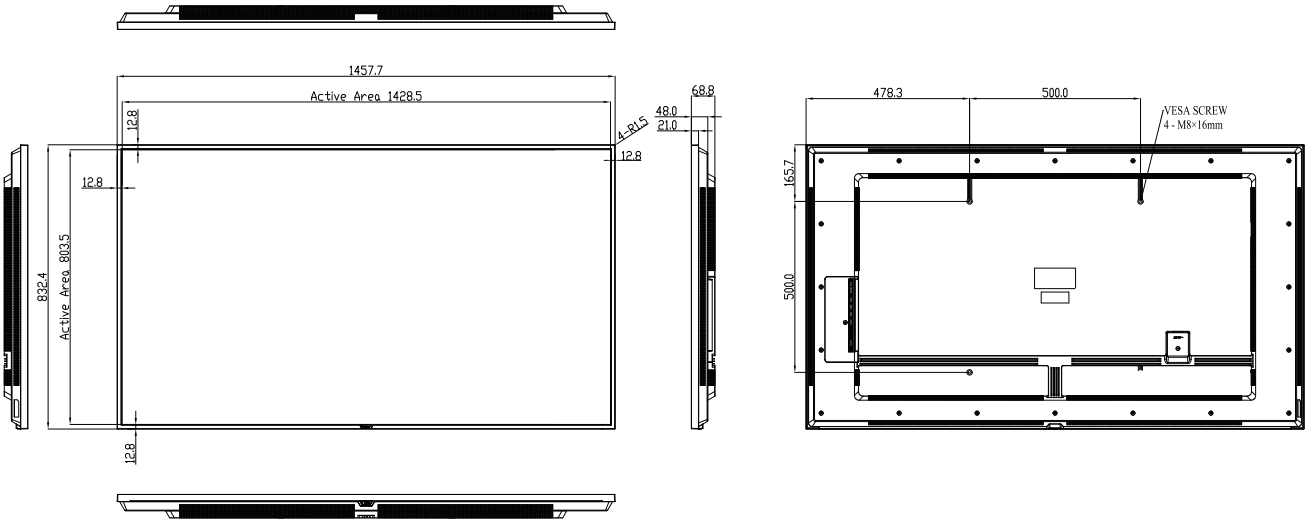


### QM5503

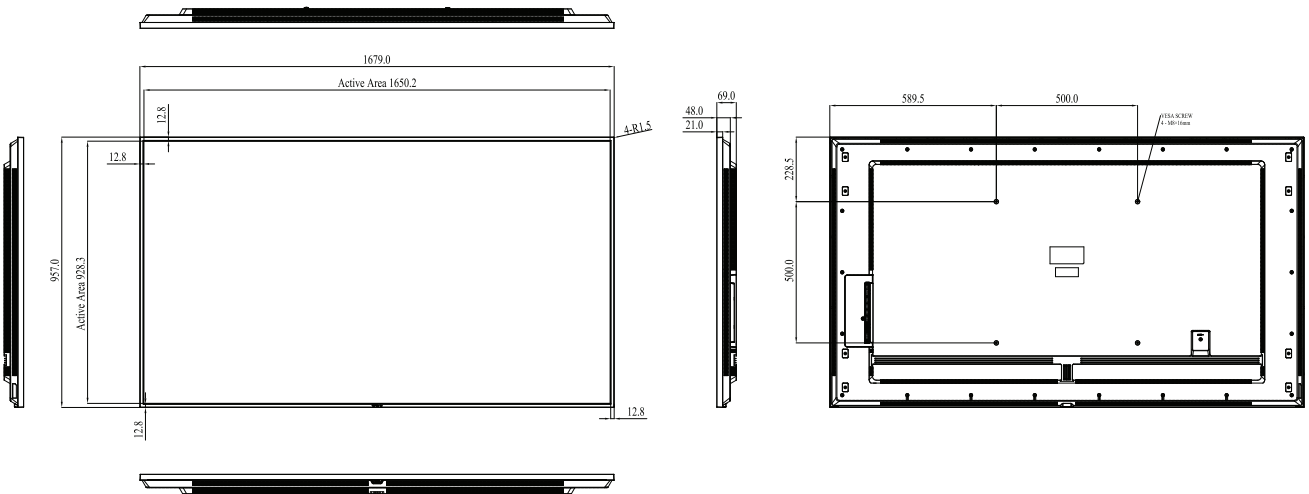


# SPECIFICATIONS

## QM6503



## QM7503



## AG Neovo

Company Address: 5F-1, No. 3-1, Park Street, Nangang District, Taipei, 11503, Taiwan.

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QM4303/5503/6503/7503 Eprel Registration Number:2298535/2298536/2298537/2298538

QM4330/QM5530/QM6530/QM7530\_UM\_V010