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NOTE: This product can only be serviced in the country where it was purchased.

- (1) The contents of this manual may not be reprinted in part or whole without permission.
- (2) The contents of this manual are subject to change without notice.
- (3) Great care has been taken in the preparation of this manual; however, should you notice any questionable points, errors or omissions, please contact us.
- (4) The image shown in this manual is indicative only. If there is inconsistency between the image and the actual product, the actual product shall govern.
- (5) Notwithstanding articles (3) and (4), NEC will not be responsible for any claims on loss of profit or other matters deemed to result from using this device.
- (6) This manual is commonly provided to all regions so they may contain descriptions that are pertinent for other countries.

Contents

- Monitor (1)
- Remote control (1)
- 1.5 V AAA batteries (2)
- Power cord (1)
- HDMI cable (1)
- Setup manual (1)

Remember to save your original box and packing material to transport or ship the monitor.



Important Information

Safety Precautions and Maintenance







FOR OPTIMUM PERFORMANCE, PLEASE NOTE THE FOLLOWING
WHEN SETTING UP AND USING THE LCD COLOR MONITOR:

About the Symbols










To ensure safe and proper use of the product, this manual uses a number of symbols to prevent injury to you and others as well as damage to property. The symbols and their meanings are described below. Be sure to understand them thoroughly before reading this manual.

 WARNING	Failing to heed this symbol and handling the product incorrectly could result in accidents leading to major injury or death.
 CAUTION	Failing to heed this symbol and handling the product incorrectly could result in personal injury or damage to surrounding property.

Examples of symbols

	 Indicates a warning or caution. This symbol indicates you should be careful of electric shocks.
	 Indicates a prohibited action. This symbol indicates something that must be prohibited.
	 Indicates a mandatory action. This symbol indicates that the power cord should be unplugged from the power outlet.

 **WARNING**

1	 UNPLUG THE POWER CORD	<p>Unplug the power cord if the product malfunctions.</p> <p>Should the product emit smoke or strange odors or sounds, or if the product has been dropped or the cabinet broken, turn off the product's power, then unplug the power cord from the power outlet. Failure to do so could not only lead to fire or electric shock, it could also result in burn impairment. Contact your dealer for repairs.</p> <p>Never try to repair the product on your own. Doing so is dangerous.</p>
2	  	<p>Do not open or remove the product's cabinet.</p> <p>Do not disassemble the product.</p> <p>There are high voltage areas in the product. Opening or removing product covers and modifying the product may expose you to electric shock, fire, or other risks.</p> <p>Refer all servicing to qualified service personnel.</p>
3		<p>Do not use the product if it has structural damage.</p> <p>If you notice any structural damage such as cracks or unnatural wobbling, please refer servicing to qualified service personnel. If the product is used in this condition, the product may fall or cause personal injury.</p>
4		<p>Handle the power cord with care. Damaging the cord could lead to fire or electric shock.</p> <ul style="list-style-type: none"> • Do not place heavy objects on the cord. • Do not place the cord under the product. • Do not cover the cord with a rug, etc. • Do not scratch or modify the cord. • Do not bend, twist or pull the cord with excessive force. • Do not apply heat to the cord. <p>Should the cord be damaged (exposed core wires, broken wires, etc.), ask your dealer to replace it.</p>
5		<p>Do not touch the power plug if you hear thunder. Doing so could result in electric shock.</p>
6		<p>Please use the power cord provided with this product in accordance with the power cord table.</p> <p>If a power cord is not supplied with this product, please contact NEC. For all other cases, please use the power cord with the plug style that matches the power socket where the product is located. The compatible power cord corresponds to the AC voltage of the power outlet and has been approved by, and complies with, the safety standards in the country of purchase.</p>
7		<p>For proper installation it is strongly recommended to use a trained service person.</p> <p>Failure to follow the standard installation procedures could result in damage to the product or injury to the user or installer.</p>

 **WARNING**

8



Please install the product in accordance with the following information.

This product cannot be used or installed without the wall mount or other mounting accessory for support.

When transporting, moving, or installing the product, please use as many people (two or more people for the E328/E438/E498/E558 and four or more people for the E658) as necessary to be able to lift the product without causing personal injury or damage to the product.

Please refer to the instructions included with the optional mounting equipment for detailed information about attaching or removing.


Do not cover the vent on the product. Improper installation of the product may result in damage to the product, an electric shock or fire.

Do not install the product in the locations below:






- Poorly ventilated spaces.
- Near a radiator, other heat sources, or in direct sunshine.
- Continual vibration areas.
- Humid, dusty, steamy, or oily areas.
- Outdoors.
- High-temperature environment where humidity changes rapidly and condensation is likely to occur.
- A ceiling or wall that is not strong enough to support the product and mounting accessories.

Do not mount the product upside down.












 **WARNING**

9		<p>Prevent tipping and falling for earthquakes or other shocks.</p> <p>To prevent personal injury or damage to the product caused by tipping over due to earthquakes or other shocks, make sure to install the product in a stable location and take measures to prevent falling.</p> <p>The measures to prevent falling and tipping are intended for reducing the risk of injury, but may not guarantee the effectiveness against all earthquakes.</p> <p>The product may tip causing personal injury.</p> <ul style="list-style-type: none">• Use commercially-available clamps and screws (M6) to secure it to the product.• Be sure to remove the cord or chain from the wall before moving the product to prevent personal injury or damage to the product. <p>The product may fall causing personal injury.</p> <ul style="list-style-type: none">• Do not attempt to hang the product using an installation safety wire.• Please install the product in an area on the wall or ceiling strong enough to support the weight of the product.• Prepare the product using mounting accessories, such as hook, eyebolt, or mounting parts, and then secure the product with a safety wire. The safety wire must not be tight.• Please make sure the mounting accessories are strong enough to support the product weight and size before installing it.
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 **WARNING**

9		<p>Stability Hazard.</p> <p>The product may fall, causing serious personal injury or death. To prevent injury, this product must be securely attached to the floor/wall in accordance with the installation instructions.</p> <p>Many injuries, particularly to children, can be avoided by taking simple precautions such as:</p> <ul style="list-style-type: none">• ALWAYS use wall mount or installation methods recommended by the manufacturer of the product set.• ALWAYS use furniture that can safely support the product.• ALWAYS ensure the product is not overhanging the edge of the supporting furniture.• ALWAYS educate children about the dangers of climbing on furniture to reach the product or its controls.• ALWAYS route cords and cables connected to your product so they cannot be tripped over, pulled or grabbed.• NEVER place a product in an unstable location.• NEVER place the product on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the product to a suitable support.• NEVER place the product on cloth or other materials that may be located between the product and supporting furniture.• NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the product or furniture on which the product is placed. <p>If the existing product is going to be retained and relocated, the same considerations as above should be applied.</p>
10	 	<p>Do not insert objects of any kind into the cabinet slots. It may cause electric shock, fire, or product failure. Keep objects away from children and babies.</p>
11		<p>Do not spill any liquids into the cabinet or use your product near water. Immediately turn off the power and unplug your product from the wall outlet, then refer servicing to qualified service personnel. It may cause an electric shock or start a fire.</p>
12		<p>Do not use flammable gas sprays to remove dust when cleaning the product. Doing so could lead to a fire.</p>

 **CAUTION**

1	   	<p>Handling the power cord.</p> <p>Handle the power cord with care. Damaging the cord could lead to fire or electric shock.</p> <ul style="list-style-type: none"> • When connecting the power cord to the product's AC IN terminal, make sure the connector is fully and firmly inserted. • Fasten the power cord to the product by attaching the clamp to prevent loose connection. • Do not connect or disconnect the power cord with wet hands. • When connecting or disconnecting the power cord, pull the power cord out by holding onto its plug. • When cleaning the product, for safety purposes, unplug the power cord from the power outlet beforehand. Regularly dust off the power cord by using a soft dry cloth. • Before moving the product, make sure the product power is off, then unplug the power cord from the power outlet and check that all cables connecting the product to other devices are disconnected. • When you are not planning to use the product for an extended period of time, always unplug the power cord from the power outlet.
2		<p>Do not bind the power cord and the USB cable. It may trap heat and cause a fire.</p>
3		<p>Do not connect to a LAN with excessive voltage.</p> <p>When using a LAN cable, do not connect to a peripheral device with wiring that might have excessive voltage. Excessive voltage on the LAN port may cause an electric shock.</p>
4		<p>Do not climb on the table where the product is installed. Do not install the product on a wheeled table if the wheels on the table have not been properly locked. The product may fall, causing damage to the product or personal injury.</p>
5	 	<p>Installation, removal, and height adjustment of the optional wall mount.</p> <ul style="list-style-type: none"> • When installing the wall mount, handle the unit with care to avoid pinching your fingers.
6		<p>Do not push or climb on the product. Do not grab or hang onto the product.</p> <p>The product may fall, causing damage to the product or personal injury.</p>
7		<p>Do not impact the LCD panel surface, it can cause serious damage to the product or personal injury.</p>

 **CAUTION**

8		<p>Incorrect usage of batteries can result in leaks or bursting.</p> <ul style="list-style-type: none">• Insert batteries matching the (+) and (-) signs on each battery to the (+) and (-) signs of the battery compartment.• Do not mix battery brands.• Do not combine new and old batteries. This can shorten battery life or cause liquid leakage of batteries.• Remove dead batteries immediately to prevent battery acid from leaking into the battery compartment.• Do not touch exposed battery acid, it may injure your skin.• Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.• Leaving a battery in an extremely high temperature surrounding environment, or a battery subject to extremely low air pressure, that can result in an explosion or the leakage of flammable liquid or gas.• Contact your dealer or local authorities when disposing of batteries.
9		<p>Suitable for entertainment purposes at controlled luminous environments, to avoid disturbing reflections from the screen.</p>
10		<p>We recommend wiping clean the ventilation holes a minimum of once a month. Failure to do so could lead to fire or electric shock or damage to the product.</p>
11		<p>To ensure the product's reliability, please clean the ventilation holes at the rear side of the cabinet at least once a year to remove dirt and dust. Failure to do so could lead to fire or electric shock or damage to the product.</p>

Installation

For box contents, please refer to the Contents on the Index page of this document.

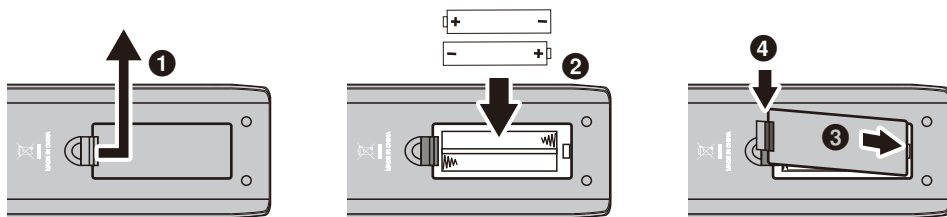
Product warranty does not cover damage caused by improper installation. Failure to follow these recommendations could result in voiding the warranty.

⚠ WARNING: Please refer to “WARNING 7”, “WARNING 8”, “WARNING 9”, and “WARNING 11”.

1. Install the remote control batteries

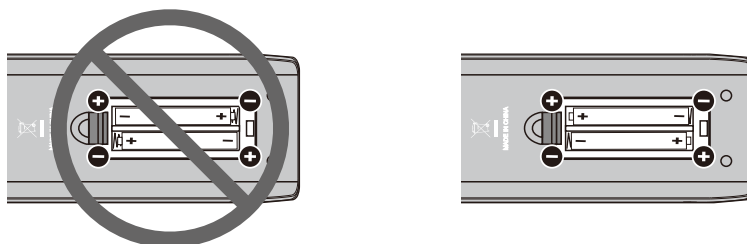
The remote control is powered by two 1.5 V AAA batteries.

To install or replace batteries:



NEC recommends the following battery use:

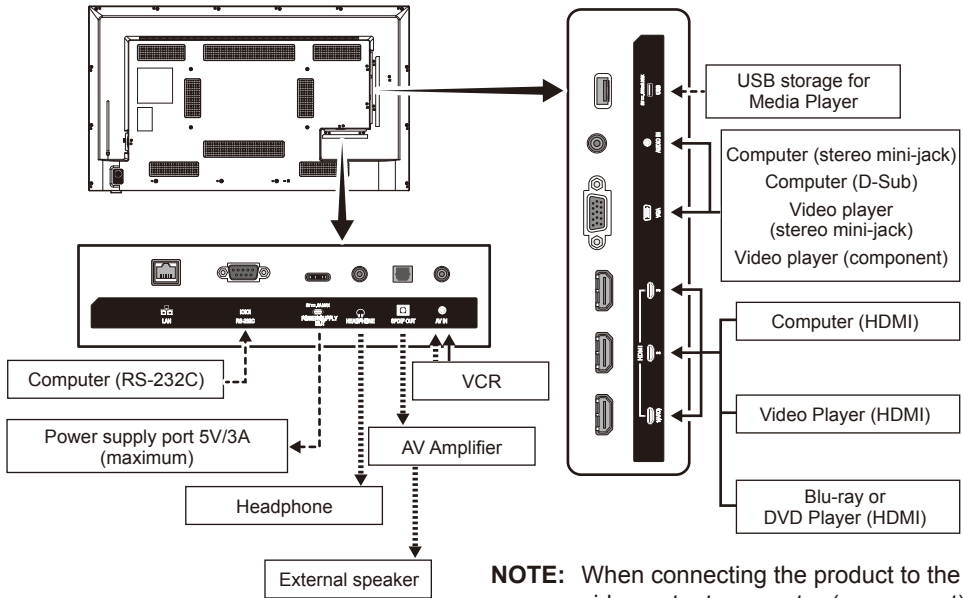
⚠ CAUTION: Please refer to “CAUTION 8”.



NOTE: If you do not intend to use the Remote Control for a long period of time, remove the batteries.

2. Connect external equipment

- To protect the external equipment, disconnect the power cord of this product before making connections.



NOTE: When connecting the product to the video output connector (component) of a video player or another device, go to [Setup] in the OSD menu → [VGA Options] → [VGA Mode], and select [YPbPr].

Headphones connection

When using headphones, connect them to the HEADPHONE connector of the product.

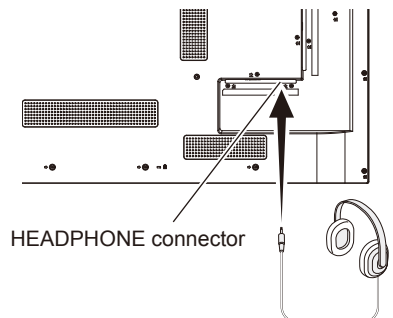
⚠ CAUTION: Do not connect the headphones while wearing them.

Otherwise, your ears may be injured depending on the sound volume.

NOTE:

- Headphones with a stereo mini-jack plug can be connected to the product. If the plug of your headphones is too large to enter the connector, buy a 6.35 mm stereo jack plug to stereo mini-jack plug adapter in your audio store.

- The sound from the speaker is muted when headphones are connected.
- Adjustment of the volume control as well as the equalizer to other settings than the center position may increase the ear-/headphones output voltage and therefore the sound pressure level.



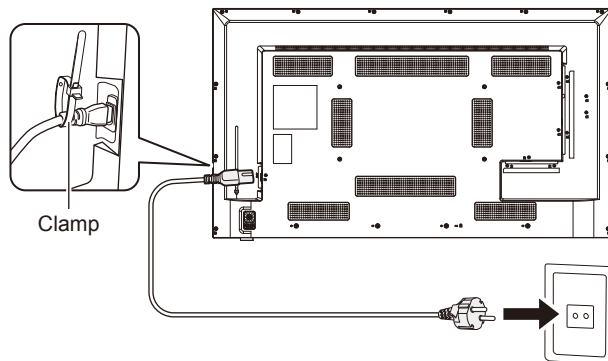
3. Connect the supplied power cord

⚠ WARNING: Please refer to the “Important Information” section for proper selection of an AC power cord.
Please refer to “WARNING 4”, “WARNING 5”, and “WARNING 6”.

⚠ CAUTION: Please refer to “CAUTION 1” and “CAUTION 2”.

NOTE:

- The monitor should be installed close to an easily accessible power outlet.
- Please make sure that enough power is supplied to the monitor. Please refer to the “Power Supply” in the specification (See User’s manual).



4. Cable information

CAUTION: Use the provided specified cables with this product so as not to interfere with radio and television reception.

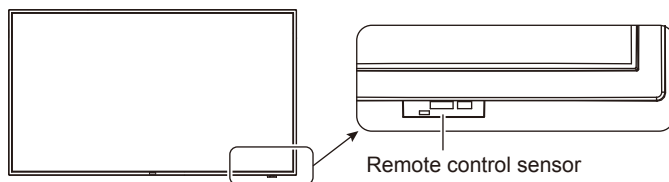
For mini D-Sub 15-pin and USB, please use a shielded signal cable with ferrite core.

For HDMI and AV cable, please use a shielded signal cable.

Use of other cables and adapters may cause interference with radio and television reception.

5. Remote control sensor

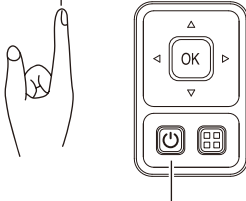
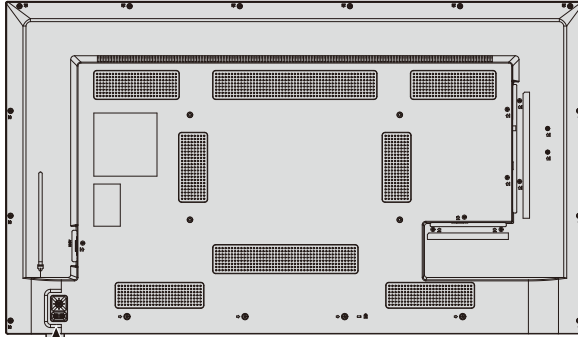
Be careful not to damage the remote control sensor during installation.



6. Turn on the power for the monitor and the external equipment

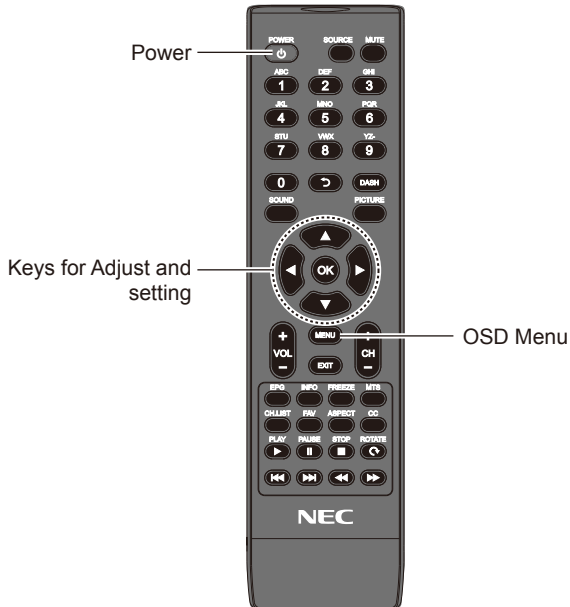
Switch on the monitor power first.

Power Button



Power Button

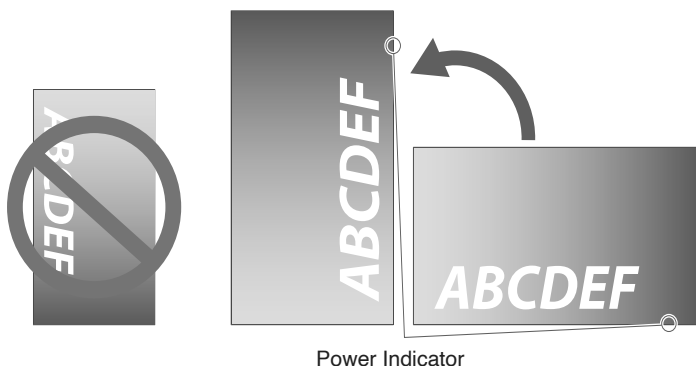
Wireless Remote Control



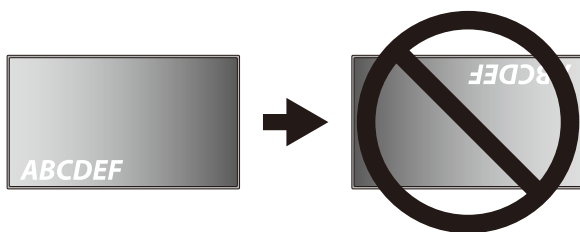
Orientation

When using the monitor in the portrait position, it should be rotated counterclockwise so that the right side is moved to the top and the left side is moved to the bottom. Improper ventilation may shorten the lifetime of the monitor.

NOTE: The OSD menu is always shown in the landscape orientation.

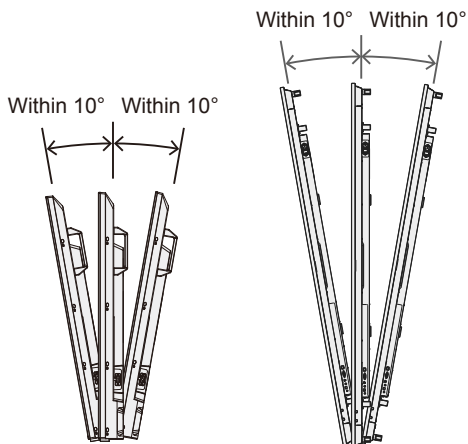


⚠ WARNING: Do not mount the product upside down.



The product cannot be used when inclined 10° or more.

⚠ WARNING: Installing the product at an angle of 10° or more may cause a malfunction.



Mounting on Walls or Ceilings

Precautions when mounting the monitor on a wall or a ceiling

⚠ WARNING: Please refer to “WARNING 9”.

Be sure to read this section before mounting the monitor on a wall or a ceiling to guarantee safety.

- It may not be possible to mount the monitor on some walls or ceilings depending on their structure or strength. Ask the qualified personnel or the supplier to check the mounting location.

Installation method

⚠ WARNING: Please refer to “WARNING 8”.

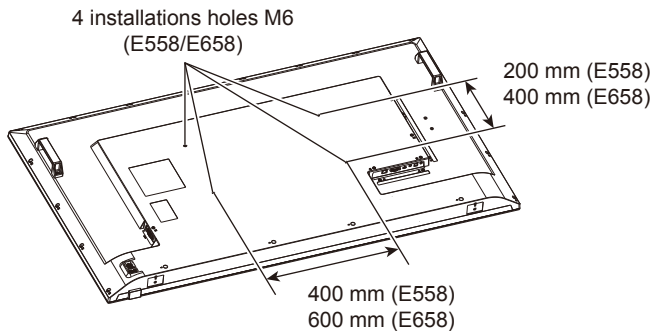
1. Place a soft cloth on the table or another flat location where the monitor will be laid.

NOTE:

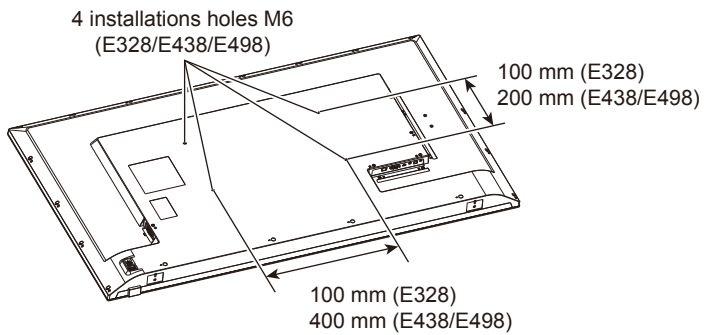
- Make sure that the surface where you will lay the monitor is larger than the monitor screen.
- When installing, do not apply excessive force to any part of the monitor by pushing or leaning on it. This may deform the monitor.

2. Place the monitor on top of the soft cloth.
3. Install the commercially-available mounting brackets.

E658/E558



E498/E438/E328



Attaching Mounting Accessories

The monitor is designed for use with the VESA mounting system.

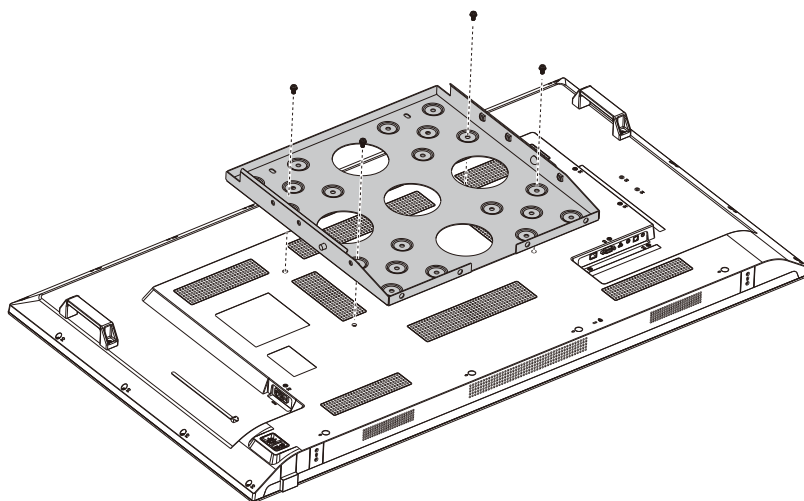
Mounting accessories can be attached with the monitor in the face down position.

To avoid scratching the LCD panel, always place a soft cloth, such as a blanket that is larger than the monitor's screen area, on the table before laying the monitor face down.

Make sure there is nothing on the table that can damage the monitor.

NOTE: Prior to installation, place the monitor face down on a flat even surface that is larger than the monitor screen.

Use a sturdy table that can easily support the weight of the monitor.



NOTE: For use only with GS approved wall mount bracket.