MEDICAL GRADE TOUCH DISPLAY



LCDG27XAOAC-VM2
User Guide

27” LCD Touch Screen Monitor & LCD Monitor

Model: RUP2762AMII

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1. Revision History

The revision letter changes with related comments each time the document is updated.

Revision	Comment
A	Initial release of this document

2. Introduction

2.1 Monitor description

The Industrial Image Display Device manufactured by our company is intended for general use in industrial environments to display general or industrial image signal data for reference purposes. It is suitable for human-machine interface (HMI) applications and reference display, and features high resolution, operational safety, touch functionality, and long service life.

2.2 Box of contents

- 27” LCD Touch Screen Monitor
- CD (USER'S MANUAL)
- Power Adapter (Delta 24V)

NOTE

- The accessories of the LCD monitor include relevant items mentioned in the user’s manual only but do not include graphic cards.
- Remember to save your original box and packing material to transport or ship the display.

2.3 Product overview

Front View

The image below shows the front view of the display.

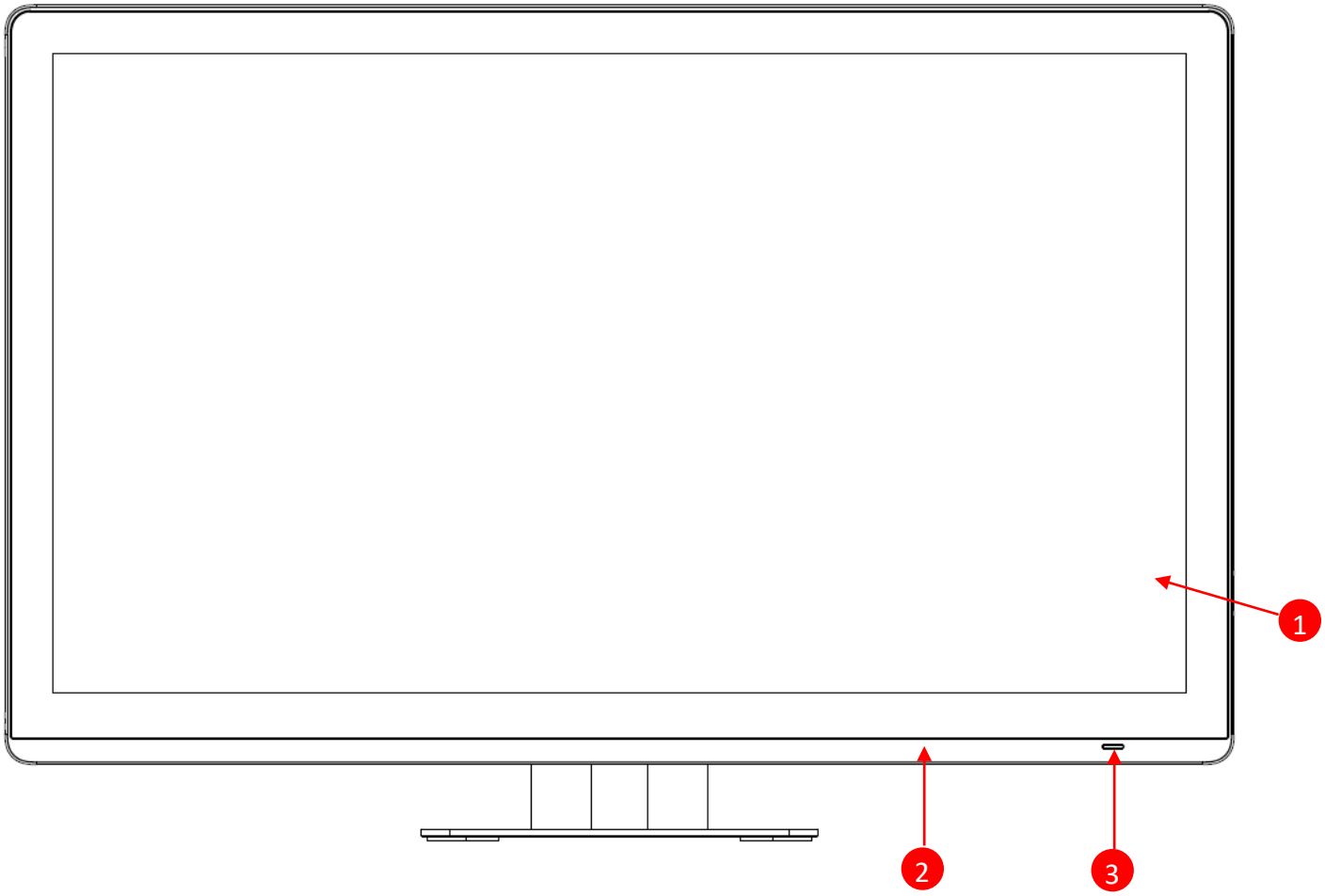


Image 2-1 Front view

1. P-CAP touch
2. Bezel
3. LED

Side View

The image below shows the control keys located in the right bottom corner of the display.

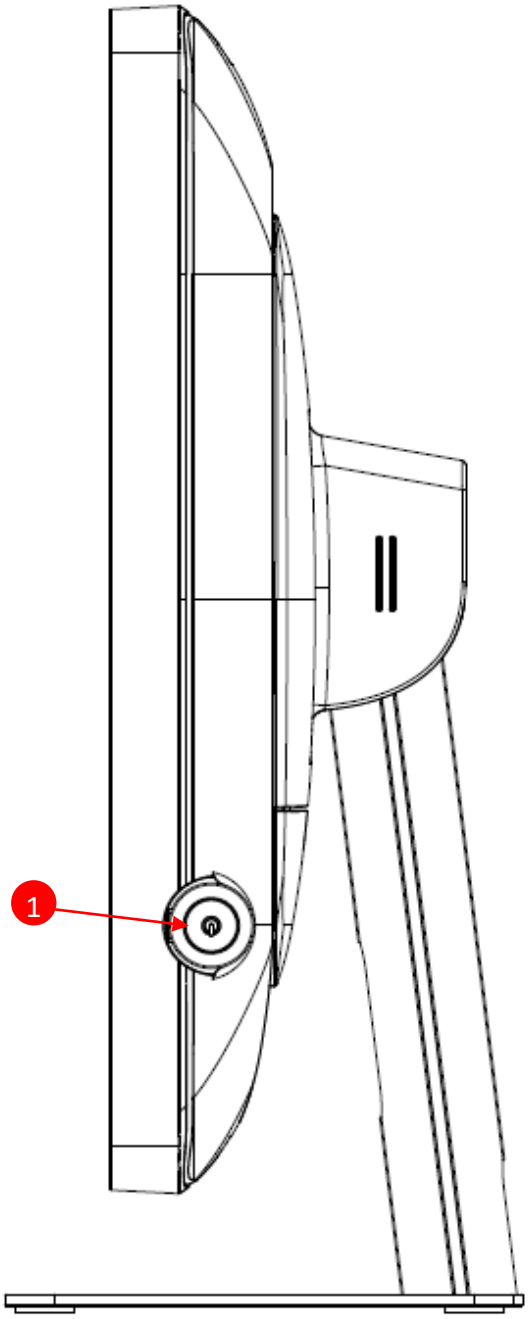


Image 2-2 Control Key

1. Menu / Enter key / Scrolling key

Rear View

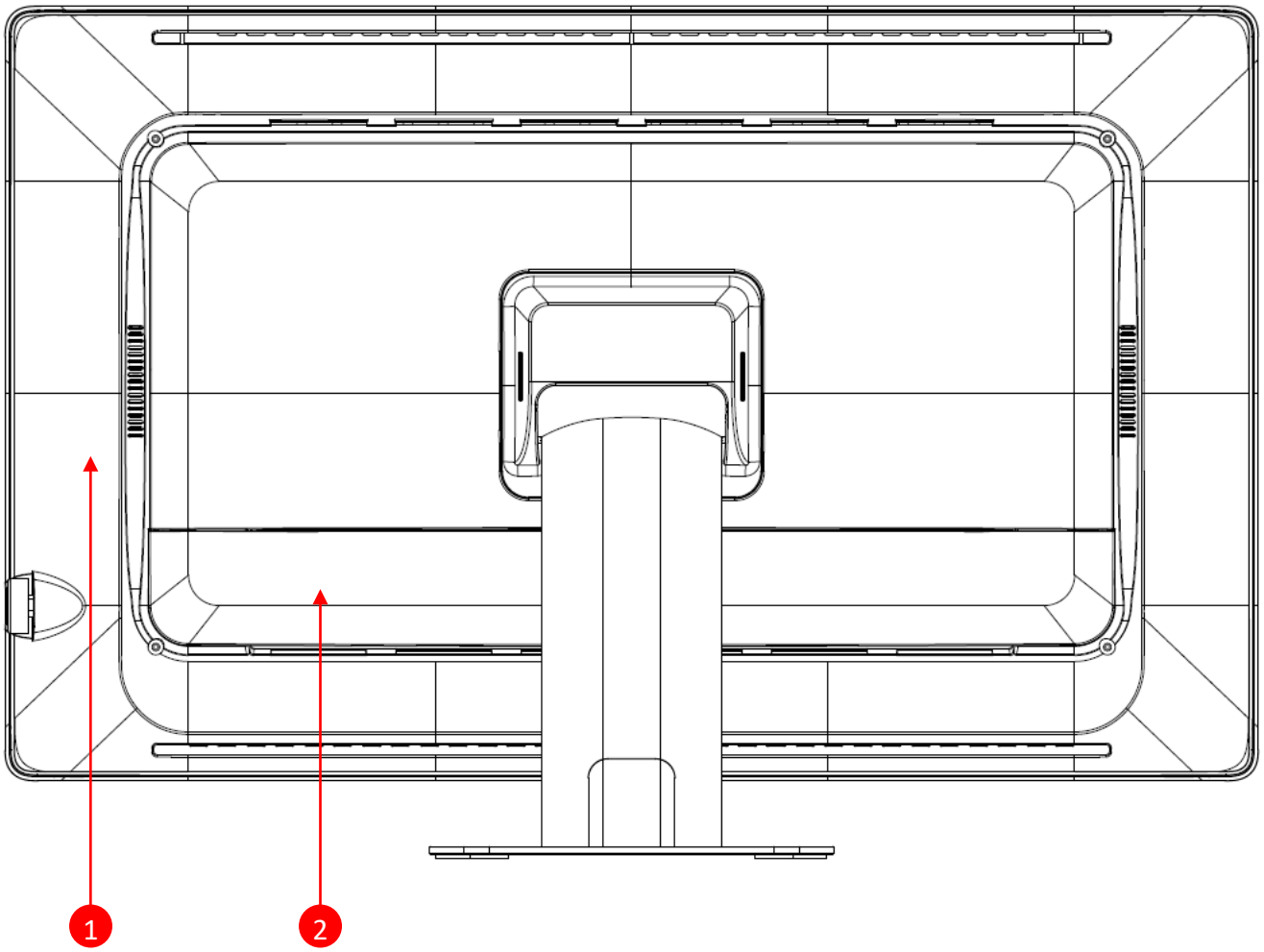


Image 2-3 Rear view

1. Rear cover
2. IO cover

3. Important information

3.1 Safety information

General recommendations

Read the safety and operating instructions before operating the device. Save the safety and operating instructions for future reference.

Adhere to all warnings on the device and in the operating instructions manual. Follow all instructions for operation and use.

Electrical Shock or Fire Hazard

To prevent an electrical shock or fire hazard, do not remove the cover.

No serviceable parts are inside. Refer servicing to qualified personnel. Do not expose this apparatus to rain or moisture.

Modifications to the unit:

Do not modify this equipment without authorization of the manufacturer.

Degree of safety (flammable anesthetic mixture):

Equipment is not suitable for use in the presence of a flammable anesthetic mixture of air, oxygen, or nitrous oxide.

Mission critical applications

We strongly recommend for there to be a replacement monitor immediately available in mission critical applications.

Power connection – Equipment with external power supply

- Power requirements: The equipment must be powered by external adapter.
- The equipment is intended for continuous operation.
- The equipment is to be supplied by an UL Listed power adapter, rated 24Vdc, 3.75A minimum, Tma = 40 degree C minimum, and the altitude of operation = 5000m minimum. If need further assistance with purchasing the power source, please contact to agency for further information.

Power cords:

- Do not overload wall outlets and extension cords as this may result in fire or electric shock.
- Main leads protection (U.S.: Power cord): Power cords should be routed so that they are not walked upon or pinched by items placed upon or against them. Pay particular attention to cords at plugs and receptacles.
- The power supply cord should be replaced by the designated operator only at all time.
- Use a power cord that matches the voltage of the power outlet, which should be approved and in compliance with the safety standard of your particular country.
- Avoid placing the monitor near places that is hard to reach or difficult to disconnect the power supply cord.
- "WARNING: To avoid risk of electric shock, this equipment must only be connected to a supply mains with protective ground"
- " AVERTISSEMENT: Pour éviter le risque de choc électrique, cet équipement doit être uniquement raccordé à un réseau d'alimentation avec protection par mise à la terre.

Grounding reliability

Grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle.

Liquids and moisture

Never expose the monitor to liquids or moisture.

Never use the monitor near water - e.g. near a bathtub, washbasin, swimming pool, kitchen sink, laundry tub or in a wet basement.

Ventilation

Do not cover or block any ventilation openings in the cover of the set. When installing the device in a cupboard or another closed location, heed the necessary space between the set and the sides of the cupboard.

Installation

Place the device on a flat, solid, and stable surface that can support the weight of at least 3 devices. If you use an unstable cart or stand, the device may fall, causing serious injury to a child or adult, and serious damage to the device.
Accessory equipment connected to the analog and digital interfaces must be in compliance with the respective nationally harmonized IEC standards

Precautions

- Make sure to carefully read the User Manual prior to using the monitor in order to properly use the monitor.
- Note that, excluding those cases where a responsibility for legal compensation is recognized, the manufacturer shall bear absolutely no responsibility for damage to this product by a customer or a third party that results from the ignoring of contents entered in this User Manual and mistaken use.

- Place the monitor on a flat and leveled surface.
- Place the monitor in a well-ventilated place.
- Keep the monitor away from:
  overly hot, cold or humid places, places directly under sunlight, dusty surroundings, Equipment that generate strong magnetic fields.
- The display mounting direction is landscape only.



Caution

- To prevent fire or shock hazards, do not expose this unit to rain or moisture. Also, do not use this unit's polarized plug with an extension cord receptacle or other outlets unless the prongs can be fully inserted.
- To avoid the risk of electric shock, this equipment must only be connected to a supply mains with protective earth.
- Do not modify this equipment without authorization of the manufacturer.
- No modification of this equipment is allowed.
- Refrain from opening the cabinet as there are high voltage components inside. Refer servicing to qualified service personnel.
- To prevent the risk of electric shock, make sure power cord is unplugged from wall socket. To fully disengage the power to the unit, please disconnect the power cord from the AC outlet. Do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel. The AC outlet shall be readily available and accessible.
- To avoid the risk of electric shock, this equipment must only be connected to a supply main with protective earth.
- Suggested text for the notice indication complies with this standard: This Class B digital apparatus complies with Canadian ICES-003. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measure.
- To prevent electric shock, please do not remove cover or any internal components. Refer to a qualified technician for service.
- Unplug the monitor from the power outlet before cleaning.
- Please follow the national guidelines for unit disposal.
- This product cannot be used for a life-support system.
- This series display is with a maximum resolution of 2560 x 1440 pixels. This is intended for reviewing station imaging, or applications in the Industrial environment. Featuring an enclosed power supply, OSD menu system,
- To reduce the inadvertent hazards, DO NOT lifts up the monitor by holding the base of the monitor.
- To have the best performance of this product, it's recommended to replace the panel after it has been used for 5 years.
- Do not touch a damaged LCD panel directly with bare hands. The liquid crystal which leaks from the panel is poisonous if it enters the eyes or mouth.
- Do not leave the LCD screen facing the sun as it can damage the LCD screen. Take care when you place the unit by a window.
- Do not push or scratch the LCD monitor's screen. Do not place a heavy object on the LCD monitor's screen. The result is color uniformity imperfection.
- If the unit is used in a cold place, a residual image may appear on the screen. This is not a malfunction. When the monitor becomes warm, the screen returns to normal.
- If a still picture is displayed for a long time, a residual image may appear. Fortunately, unlike CRT burn-in, Image Persistence can be removed most of the time.
- The screen and the cabinet become warm during operation. This is not a malfunction.
- Avoid keeping a static picture on this monitor, or it may cause a "Image Persistence" (image retention).
- This is class B products. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measure.



ATTENTION

- Pour éviter tout risque d'incendie ou de choc électrique, n'exposez pas cet appareil à la pluie ou à l'humidité. En outre, n'utilisez pas la fiche polarisée de cet appareil avec une prise de rallonge ou d'autres prises, à moins que les broches puissent être complètement insérées.
- Pour éviter le risque de choc électrique, cet équipement doit être uniquement raccordé à un réseau d'alimentation avec protection par mise à la terre.
- Aucune modification de cet équipement n'est autorisée.
- Évitez d'ouvrir le boîtier car il comporte des composants à haute tension. Faites toujours appel à un personnel qualifié pour les réparations.
- Pour éviter tout risque de choc électrique, assurez-vous que le cordon d'alimentation est débranché de la prise murale. Pour désactiver complètement l'alimentation de l'appareil, débranchez le cordon d'alimentation de la prise CA. Ne retirez pas le couvercle (ou le dos). Aucune pièce réparable par l'utilisateur à l'intérieur. Faites toujours appel à un personnel qualifié pour les réparations. La prise CA doit être facilement disponible et accessible.
- Pour éviter tout risque de choc électrique, assurez-vous que le cordon d'alimentation est débranché de la prise murale. Pour désactiver complètement l'alimentation de l'appareil, débranchez le cordon d'alimentation de la prise CA. Ne retirez pas le couvercle (ou le dos). Aucune pièce réparable par l'utilisateur à l'intérieur. Faites toujours appel à un personnel qualifié pour les réparations. La prise CA doit être facilement disponible et accessible.
- Pour éviter le risque de choc électrique, cet équipement doit être uniquement raccordé à un réseau d'alimentation avec protection par mise à la terre.
- Le texte suggéré pour l'indication de l'avis est conforme à cette norme : Cet appareil numérique de classe B est conforme à la norme canadienne ICES-003.
- Pour éviter les chocs électriques, n'enlevez pas le couvercle ou des composants internes. Faites appel à un technicien qualifié pour l'entretien.
- Éteignez l'appareil avant le nettoyage.
- Veuillez suivre les directives nationales pour l'élimination des appareils.
- Ce produit ne peut pas être utilisé pour un système d'assistance vitale.
- Cet écran de série a une résolution maximale de 2560 x 1440pixels. Ceci est destiné à l'examen de l'imagerie de la station ou des applications dans l'environnement industriel. Doté d'une alimentation électrique fermée, d'un système de menu OSD,Pour réduire les risques d'accidents, NE PAS soulever le moniteur en le tenant par sa base.
- Pour tirer le meilleur parti de ce produit, il est recommandé de remplacer le panneau après 5 ans d'utilisation.
- Ne touchez pas un panneau LCD endommagé directement à mains nues. Le cristal liquide qui s'échappe du panneau est toxique s'il pénètre dans les yeux ou la bouche.
- Ne poussez pas ou ne rayez pas l'écran du moniteur LCD. Ne placez pas d'objet lourd sur l'écran du moniteur LCD. Cela peut entraîner une perte d'uniformité de l'écran.
- Si l'appareil est utilisé dans un endroit froid, une image résiduelle peut apparaître à l'écran. Il ne s'agit pas d'un dysfonctionnement. Lorsque le moniteur se réchauffe, l'écran revient à la normale.
- Si une image fixe est affichée pendant une longue période, une image résiduelle peut apparaître. L'image résiduelle finira par disparaître.
- L'écran et le boîtier se réchauffent pendant le fonctionnement. Il ne s'agit pas d'un dysfonctionnement.
- Évitez de garder une image statique sur ce moniteur, car cela peut causer une « gravure » de l'image (rétention d'image).
- La « gravure » de l'image (rétention d'image) n'est pas couverte par la garantie.
- Il s'agit d'un produit de classe B. Dans un environnement domestique, ce produit peut causer des interférences radio, auquel cas l'utilisateur peut être tenu de prendre les mesures adéquates.

Notice for this monitor

- This product is not used in relation to nuclear, biological or chemical weapons, or missiles capable of delivering these weapons.
- This product has been adjusted specifically for use in the region to which it was originally shipped. If the product is used outside the region, it may not operate as specified in the specifications.
- This product may not be covered by warranty for uses other than those described in this manual.
- The specifications noted in this manual are only applicable for power cords and signal cables specified by us.
- As it takes about 30 minutes for the performance of electrical parts to stabilize, adjust the monitor 30 minutes or more after the monitor power has been turned on.
- In order to suppress the luminosity change by long-term use and to maintain stable luminosity, use of the monitor set to lower brightness is recommended.
- The screen may have defective pixels. These pixels may appear as slightly light or dark area on the screen.
- This is due to the characteristics of the panel itself, and not the product.
- The backlight of the LCD panel has a fixed life span. When the screen becomes dark or begins to flicker, please contact your dealer.
- Staring at the monitor for a long time tires your eyes. Take a 10-minute rest every hour.

3.2 Environmental information

Disposal Information

Waste Electrical and Electronic Equipment

- Within the European Union



This symbol on the product indicates that under the European Directive 2012/19/EU, governing waste from electrical and electronic equipment, this product must not be disposed of with other municipal waste.

This includes monitors and electrical accessories, such as signal cables or power cords. When you need to dispose of your display products, please follow the guidance of your local authority, or ask the shop where you purchased the product, or if applicable, follow any agreements made between yourself. The mark on electrical and electronic products only applies to the current European Union Member States. Please dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

- Outside the European Union

If you wish to dispose of used electrical and electronic products outside the European Union, please contact your local authority so as to comply with the correct disposal method.

RoHS

EU Directive 2011/65/EC and 2015/863/EU.
On the restriction of certain hazardous substances in electrical and electronic equipment.
This product is RoHS compliant.

3.3 Regulatory information

FCC class B

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.

This device 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 device generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device 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 device and receiver.
- Connect the device 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.

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

Canadian notice

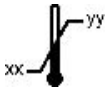
This ISM device complies with Canadian ICES-003.

Cet appareil ISM est conforme à la norme NMB-003 du Canada.

3.4 Equipment Symbols

Electrical and electronic equipment symbols

In addition to the equipment symbols described in your user's manual, the following symbols may be appear on the monitor.

LOGO	Description	
	Indicates the device meets the requirements of the applicable EC directives.	*Indique que l'appareil est conforme aux exigences des directives CE applicables.*
	Indicates compliance with Part 15 of the FCC rules.	*Indique la conformité à la partie 15 des règles de la FCC.*
	A 'Cadmium free' logo shall be used if concentration values of Cadmium (Cd) by weight in any homogeneous material part of the display do not exceed 0,01 % as defined in Directive 2011/65/EU.	*Le logo «empoussiérage libre» doit être utilisé si la concentration de l'empoussiérage (Cd) est exprimée en poids dans une partie homogène de matière Du display ne dépasse pas 0,01 % tel que défini dans la Directive 2011/65/ ue.*
	ATTENTION: Consult accompanying documents.	*Attention : Consultez les documents accompagnés.*
	Indicates the manufacturing date.	*Indique la date de fabrication.*
	Indicates the legal manufacturer.	*Indique le fabricant légal.*
	Indicates this device must not be thrown in the trash but must be recycled, according to the European WEEE (Waste Electrical and Electronic Equipment) directive.	*Indique que cet appareil ne doit pas être jeté à la poubelle mais doit être recyclé, conformément à la directive européenne DEEE (déchets d'équipements électriques et électroniques).*
	DANGER - Shock Hazard. Dangerous voltage. To reduce the risk of electric shock, do not remove cover. Refer servicing to qualified service personnel.	*DANGER - Risque d'électrocution. Tension dangereuse. Pour réduire le risque d'électrocution, ne retirez pas le capot. Faites toujours appel à un personnel qualifié pour les réparations.*
	CAUTION : Consult accompanying documents.	*Attention : Consultez les documents accompagnés.*
	Indicates the temperature limitations for the device to safely operate within specs.	*Indique les limites de température de fonctionnement en toute sécurité de l'appareil conformément aux spécifications.*
	Indicates the device serial number.	*Indique le numéro de série de l'appareil.*

	Indicates the device part number or catalog number.	*Indique le numéro de référence de l'appareil ou le numéro de catalogue.*
	Indicates Direct Current (DC).	*Indique le courant continu (CC).*
	Indicates Alternating Current (AC).	*Indique le courant alternatif (CA).*
	Stand-by or power indicator.	*Indicateur de veille ou d'alimentation.*
	Power ON. Power connection to the mains.	*Allumer. Raccordement électrique au réseau.*
	Power OFF.	*Éteindre.*
	Protective earth (ground).	*Protection par mise à la terre (masse).*
	Equipotentiality. Connect device to a potential equalization conductor.	*Équipotentialité. Raccordez l'appareil à un conducteur de liaison équipotentielle.*

3.5 Recommended Use

For optimum performance, please note the following when setting up and using the multi-sync LCD monitor:

- Do not open the monitor. There are no user serviceable parts inside and opening or removing covers may expose you to dangerous shock hazards or other risks. Refer all servicing to qualified service personnel.
- Do not spill any liquids into the cabinet or use your monitor near water.
- Do not insert objects of any kind into the cabinet slots, as they may touch dangerous voltage points, which can be harmful or fatal or may cause electric shock, fire or equipment failure.
- Do not place any heavy objects on the power cord. Damage to the cord may cause shock or fire.
- Do not place this product on a sloping or unstable cart, stand or table, as the monitor may fall, causing serious damage to the monitor.
- Do not place any objects onto the monitor and do not use the monitor outdoors.

Immediately unplug your monitor from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the monitor.
- If the monitor has been exposed to rain or water.

- If the monitor has been dropped or the cabinet damaged.
- If the monitor does not operate normally by following operating instructions.
- Do not bend power cord.
- Do not use monitor in high temperature, humid, dusty, or oily areas.
- Do not cover vent on monitor.
- If monitor or glass is broken, do not come in contact with the liquid crystal and handle with care.

Correct placement and adjustment of the monitor can reduce eye, shoulder and neck fatiguent. Check the following when you position the monitor:

- For optimum performance, allow 30 minutes for warm-up.
- Adjust the monitor height so that the top of the screen is at or slightly below eye level. Your eyes should look slightly downward when viewing the middle of the screen.
- Position your monitor no closer than 40 cm and no further away than 70 cm from your eyes. The optimal distance is 50 cm.
- Rest your eyes periodically by focusing on an object at least 50 cm away.
- If reflected light makes it hard for you to see your screen, use an anti-glare filter.
- Adjust the monitor's brightness and contrast controls to enhance readability.
- Use a document holder placed close to the screen.
- Avoid displaying fixed patterns on the monitor for long periods of time to avoid image persistence (after-image effects).

Ergonomics

To realize the maximum ergonomics benefits, we recommend the following:

- Adjust the backlight to best state.
- Do not position the Contrast control to its maximum setting.
- Use the preset Size and Position controls with standard signals.
- Use the preset Color Setting.
- Do not use primary color blue on a dark background, as it is difficult to see and may produce eye fatigue to insufficient contrast.
- Position your monitor no closer than 40 cm and no further away than 70 cm from your eyes. The optimal distance is 50cm.
- Use the preset Color Setting. Do not use primary color blue on a dark background, as it is difficult to see and may produce eye fatigue to insufficient contrast.
- Adjust the monitor height so that the top of the screen is at or slightly below eye level. Your eyes should look slightly downward when viewing the middle of the screen.

4. Cleaning the display

Cleaning instructions

Cleaning the Cabinet and the LCD Display

◆ When cleaning, remove the outlet from the LCD display for safety.

◆ Lightly wipe off dirt on the cabinet and LCD panel surface with a hard-wrung soft cloth soaked in a neutral cleaning solution. Follow its instruction when using a disposable cloth.

◆ Do not use thinner, benzine, alcohol or such on the cabinet that is made of plastic. These can damage the cabinet, alter its quality and cause the paint to peel off.

◆ Do not apply insecticides and other volatile items to the cabinet. Also do not leave rubber and vinyl products or such in contact with it for long hours. This can cause the quality to alter and the paint to peel off.

◆ Cleaners usable for the LCD panel are isopropyl alcohol(without abrasive), non-ammonic glass cleaner, and watered-down neutral cleaning solution. Do not use organic solvent such as acetone and toluene.

◆ When the screen has dust on the LCD panel surface, wipe it off with soft moist cloth.

◆ Treat the LCD panel with care. Do not rub the LCD panel surface with a rough item or hit it on the surface. Also, do not strongly press the LCD panel surface. This can lead to unevenness in the screen and also to failure of the product.

5. Monitor installation

WARNING: Sufficient expertise is required to install this equipment. All devices and complete setup must be tested before operation.

AVERTISSEMENT : Une expertise suffisante est requise pour l'installation de cet équipement. Tous les appareils et la configuration complète doivent être testés avant d'être mis en service.

5.1 Installation procedure

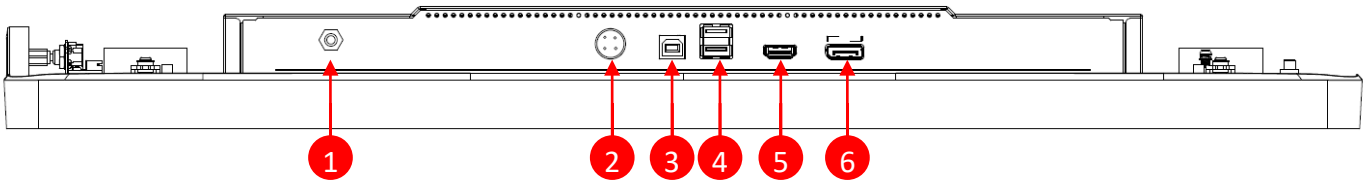
Place the device on a flat, solid, and stable surface that can support the weight of at least 3 devices. If you use an unstable cart or stand, the device may fall, causing serious injury to a child or adult, and serious damage to the device.

Accessory equipment connected to the analog and digital interfaces must be in compliance with the respective nationally harmonized IEC standards (i.e. IEC 60601-1 for medical equipment.) Furthermore all configurations shall comply with the system standard in IEC 60601-1. Anyone who connects additional equipment to the signal input part or signal output part is configuring a medical system, and is therefore, responsible that the system complies with the requirements of the system standard IEC 60601-1. The unit is for exclusive interconnection with IEC 60601-1 certified equipment in the patient environment and IEC 60XXX certified equipment outside of the patient environment. If in doubt, consult the technical service department or your local representative.

To install your monitor

1. Turn off the power of your computer.
2. For the PC: Connect the signal cables to the connector of the display card in your system. Tighten all screws.
3. Connect the signal cables to the connector on the back of the monitor.
   Note: Incorrect cable connections may result in irregular operation, damage display quality / components of LCD module and/or shorten the module's life.
4. Connect one end of the power cord to the AC inlet of the monitor and the other end to the power outlet.
   Note: Please refer to Caution section of this manual for proper selection of your AC power cord.
5. The AC Switch on the back of the monitor must be turned on. Then turn on the monitor with the DC power button. (AC Switch models only)
   Note: The AC Switch is a real on/off switch. If this switch is on the OFF position, the monitor cannot be turned on by using the front button.
6. Turn on the computer. For further adjustments, refer to the OSD section of this User's Manual.
   Note: If you have any questions, please refer to the Troubleshooting section of this User's Manual.

Available Connections



No	Name	Connection Type	Remarks
1	GND Post	Ground Stud	Connect to the system to earth ground
2	POWER	Power Din 4-pin	For operation with DC power
3	USB(UP)	Upstream Port	Connector to PC USB Port
4	USB(DN)	Downstream Port	USB device Connection
5	HDMI	HDMI Port	HDMI Connection
6	DP	DisplayPort	DisplayPort Connection

NOTE

- The configuration of the connectors of the display may vary from product to product.

5.2 VESA mount installation

1. Attach the monitor in landscape position to a 100 mm VESA mounting bracket. Mounting in portrait position is not feasible. To be installed by skilled person only.

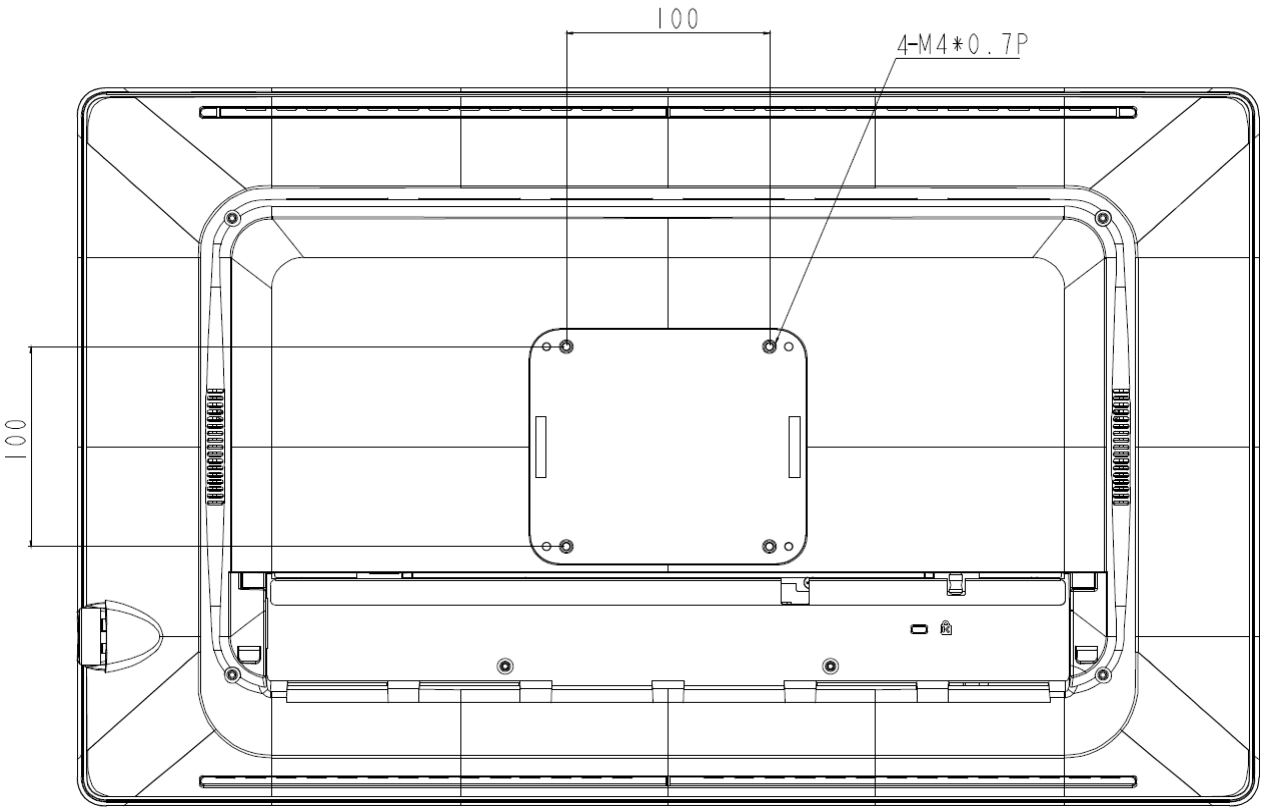


Image 5-2-1 VESA mount is located at the back of the monitor.

Mounting

The Monitor can be mounted onto the wall

If you intend to mount the monitor on the wall, we strongly recommend that you use wall mount kits with attached M4*10mm screws and can load more than monitor weight, that you ensure it is securely and safely installed.

CAUTION:

When mounting the monitor, take care to tighten the retention screws or bolts until fully secure, but do not over tighten. Over tightening the retention screws or bolts may cause them to become stripped, rendering them useless.

ATTENTION

Lors du montage du moniteur, prenez soin de serrer les vis ou boulons de fixation jusqu'à ce qu'ils soient bien serrés, évitez toutefois de trop serrer. Le serrage exagéré des vis ou des boulons de fixation peut endommager leur filetage, les rendant inutiles.

Wall Mounting Installation

The Monitor has Video Electronics Standards Association (VESA 100x100) standard mounting holes

tapped into the rear panel. The standard holes are M4*4.

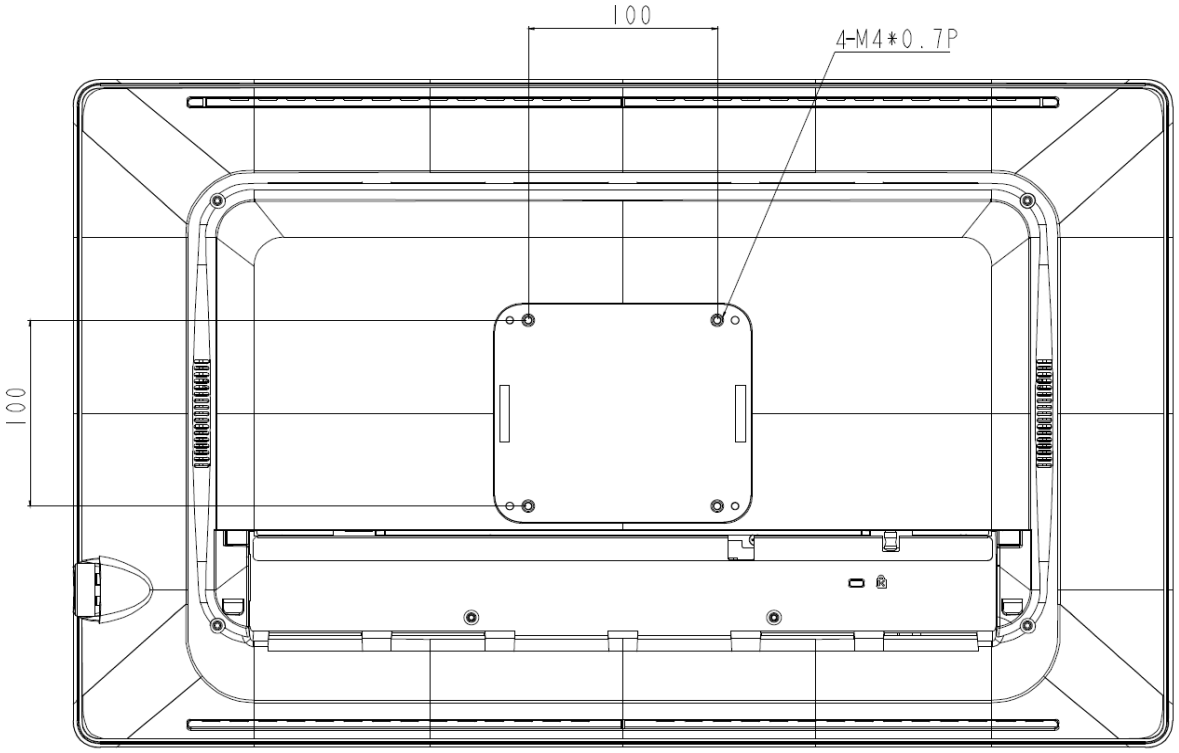


Image 5-2-2 VESA mount is located at the back of the monitor.

To mount the Monitor onto the wall please follow the steps below.

Step 1: Select the location on the wall for the wall-mounting bracket.(Listed VESA)

Step 2: Carefully mark the locations of the four screw holes in the bracket on the wall

Step 3: Drill four pilot holes at the marked locations on the wall for the bracket retention screws.

Step 4: Align the wall-mounting bracket screw holes with the pilot holes.

Step 5: Secure the mounting-bracket to the wall by inserting the retention screws into the four pilot holes and tightening them.

Step 6: Insert the four monitor mounting screws provided in the wall mounting kit into the four screw holes on the real panel of the LCD Monitor and tighten until the screw shank is secured against the rear panel.

Step 7: Align the mounting screws on the monitor rear panel with the mounting holes on the bracket.

Step 8: Carefully insert the screws through the holes and gently pull the monitor downwards until the monitor rests securely in the slotted holes. Ensure that all four of the mounting screws fit snuggly into their respective slotted holes.

Step 9: Secure the LCD Monitor by fastening the retention screw of the wall-mounting bracket.

Caution, Stability Hazard

● The Monitor may fall, causing serious personal injury or death. To prevent injury, this Monitor must be securely attached to the wall in accordance with the installation instructions.

Attention, risque de stabilité

● Le moniteur pourrait tomber et causer des blessures graves, voire mortelles. Pour éviter les blessures, ce moniteur doit être solidement fixé au mur conformément aux instructions d'installation.

6. Daily Operation

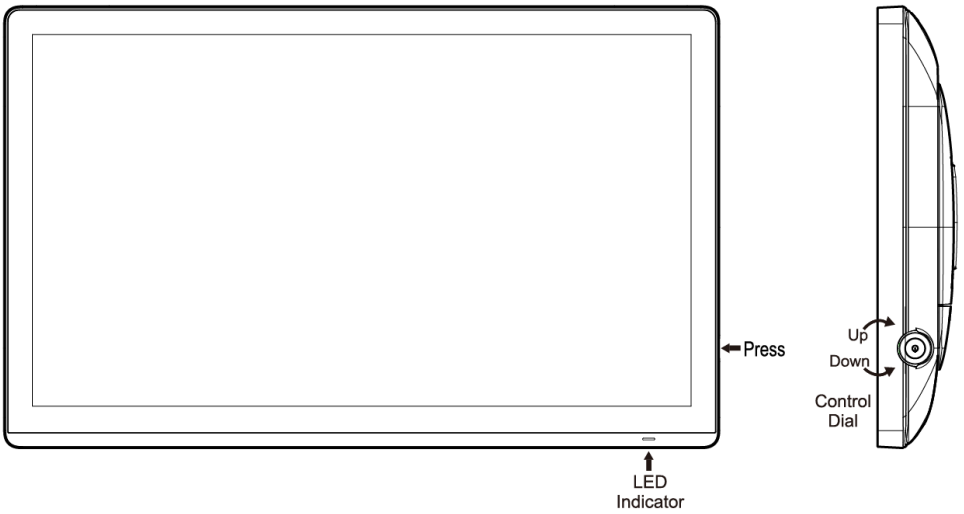


Image 6-1 Control Dial operation

Control Dial

The Control Dial is a multi-functional device located behind the LED Indicator on the right side of the front bezel. It has three movements-rotate upward, rotate downward and press inward as a button.

1. Power On/Off

Press the Control Dial to power the unit on from the off stage (the LED is off). To turn the power off, press the Control Dial and hold for at least 1 second until the LED turns off.

2. OSD Control

While the monitor is on (green LED and image on the screen), pressing on the Control Dial activates the OSD. While the OSD menu is active, use the three way movements of the Control Dial to adjust the monitor.

Rotate Downward: Move Up/Right, Increase, Larger, More

Rotate Upward: Move Down/Left, Decrease, Smaller, Less

Button Press: Execute, Do, Save

LED Indicator

During start-up the monitor performs signal detection before going into normal operation mode. Depending on the detection result, the status LED on the side of the monitor will show different LED color.

Below is an overview of the possible status LED modes:

LED Color	Status LED modes	Operation Description
OFF (No LED)	OFF mode	Monitor is not powered.
Green, static	Normal mode	Monitor is ON, video sync OK.
Orange/ Amber, static	Stand-by mode (Power saving)	Automatically enters power saving and standing by for input signal

7. OSD Menu Operation

The Charts displays the function tree and brief explanations of the functions. Color, OSD, and other adjustments have submenus under each tree.

7.1 On-Screen Display

The LCD monitor features an On-Screen Display (OSD) menu with easily identifiable icons designed to make adjustment of your monitor display settings a more user-friendly process. When highlighted, the icon illustrates the control function and brief instruction to assist the user in identifying which control needs adjustment.

The OSD menu is activated by pressing the Control Dial inward and you can select and adjust the function of your choice by rotating and clicking the Control Dial. The main menu displays a list of sub menu icons and the current video input mode. Rotate the dial to move the highlights to the control you would like to adjust, then press the Control Dial inward to select that control or to activate that function. Depending on the control you selected, a submenu of the control with a status bar will appear. The status bar indicates in which direction, form the factory preset; your adjustments are being made. Rotate the Control Dial to adjust the control.

When you have finished making the adjustments, the setting is saved automatically by activating the control function.

7.2 OSD Structure

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
Input Source Settings	Exit		
	HDMI		
	DP		
Image Settings	Exit		
	Brightness	Exit	
		Brightness	
		200cd/m2	
	Black Level		
	Contrast		
Display Mode Settings	Exit		
	Color Temp.	Exit	
		9300K	
		6500K	
		5400K	
		User	Exit
			Red
			Green
			Blue
		MonoChrome	
	Gamma	Exit	
		Gamma 1.8	
		Gamma 2.0	
		Gamma 2.2	
		DICOM	
		Calibration	
		LightBox	
OSD Misc.	Exit		
	OSD Position	Exit	
		OSD H. Position	
		OSD V. Position	
	Language	Exit	
		English	
		French	
		German	
		Italian	
		Spanish	
		日本語	
		简体中文	
	OSD Timer		
	Transparent		
Management Settings	Exit		
	Scaling	Full,1:1,4:3,16:9,16:10	

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
	Auto Source	Exit	
		On	
		Off	
	Audio	Exit	
		Mute	Exit
			On
			Off
		Volume	
	OSD Lock	Exit	
		On	
		Off	
	Recall	Exit	
		Yes	

7.3 Main Menu

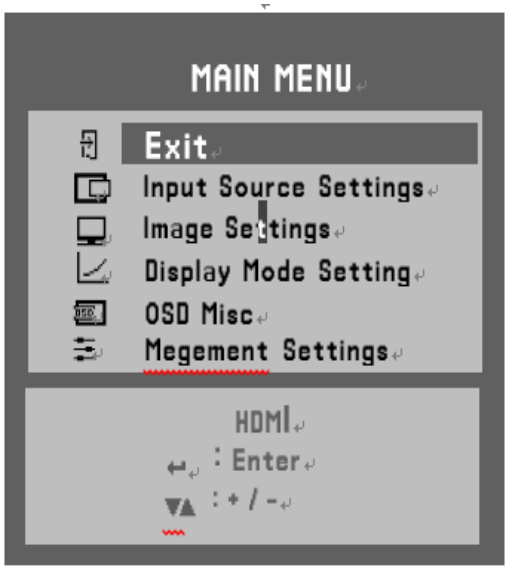


Image 7-3 Main OSD menu

7.3.1 Exit

Close the Main Menu.

In addition, this page will show below messages:

7.3.2 Input Source Setting

Select this input source HDMI or DP.

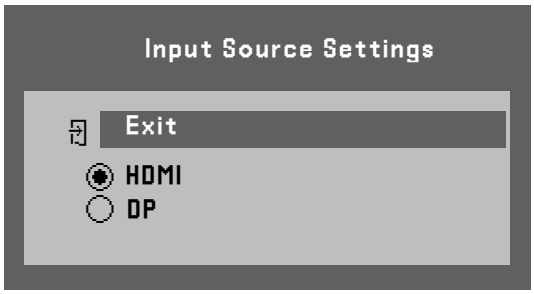


Image 7-3-2 Input Source Setting OSD menu

7.3.3 Image Settings

Select Image Setting and adjust Brightness and Black level and Contrast

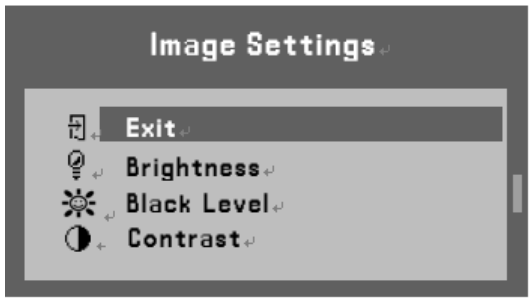


Image 7-3-3 Image Settings OSD menu

7.3.3.1 Brightness

Adjust the Backlight and setup ALS to 200 cd/m2.



Image 7-3-3-1 Brightness OSD menu

7.3.3.1.1 Brightness

Adjust the Backlight value from 0 to 100

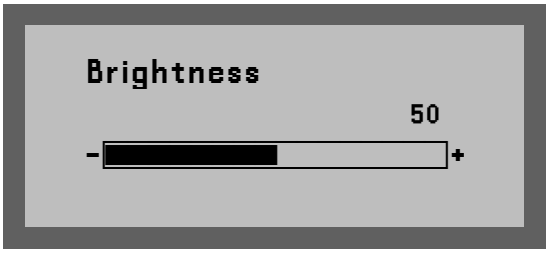


Image 7-3-3-1-1 adjust Brightness OSD menu

7.3.3.1.2 200 cd/m2

Setup the Back Light to 200 cd/m2.

7.3.3.2 Black Level

Adjust the Black level value from 0 to 100

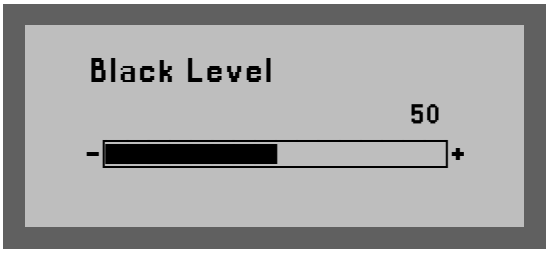


Image 7-3-3-2 Black Level OSD menu

7.3.3.3 Contrast

Adjust the Contrast value from 0 to 100

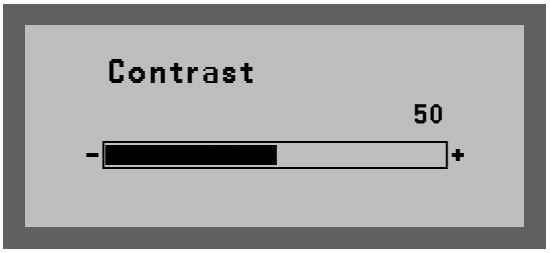


Image 7-3-3-3 Contrast OSD menu

7.3.4 Display Mode Settings

Select Color temperature and Gamma

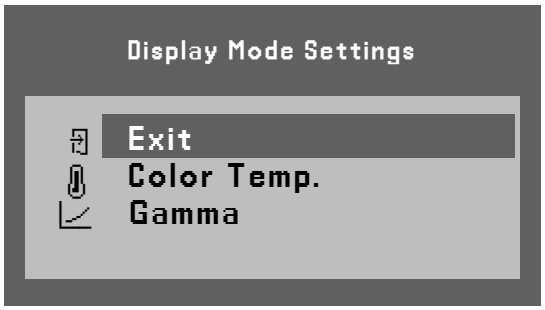


Image 7-3-4 Display Mode Settings OSD menu

7.3.4.1 Color Temp.

Selecting this control temperature of 9300K, 6500K, 5400K, User RGB or Monochrome.

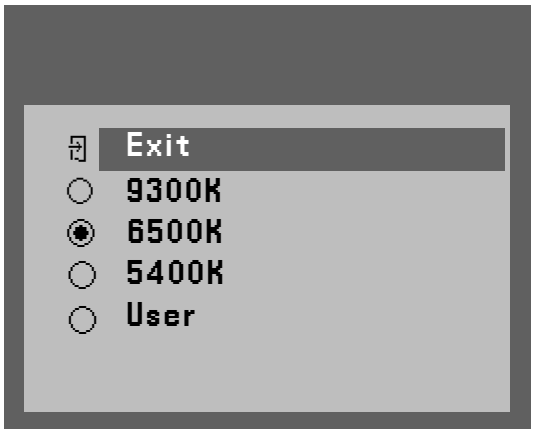


Image 7-3-4-1 Color Temp. OSD menu

- **User**

Adjust the color of the image independently personal preference.

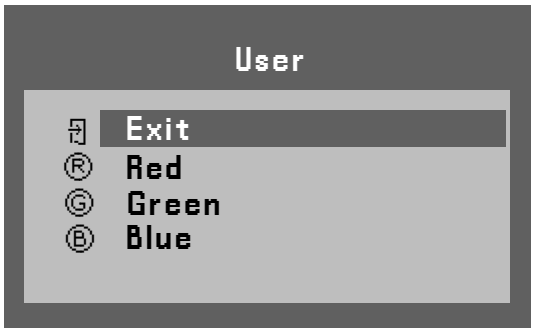


Image 7-3-4-1-1 User OSD menu

- **Red:** You can adjust the gain of Red by the range from 0 to 100.

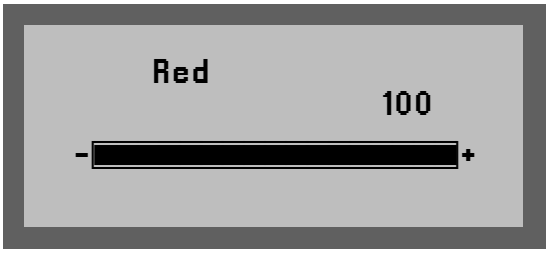


Image 7-3-4-1-2 Red OSD menu

- **Green:** You can adjust the gain of Green by the range from 0 to 100.

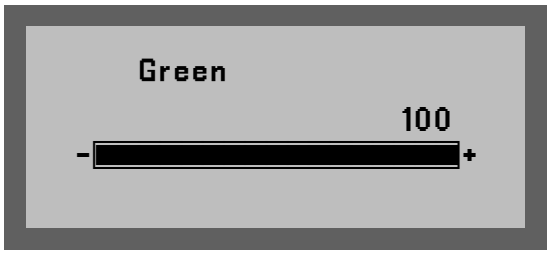


Image 7-3-4-1-3 Green OSD menu

- **Blue:** You can adjust the gain of Blue by the range from 0 to 100.

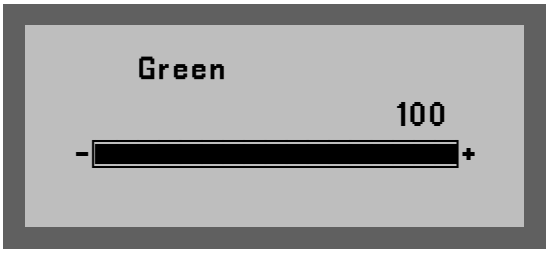


Image 7-3-4-1-4 Blue OSD menu

- **Monochrome**

  Using only black, white, and grey reduce Red/Green/Blue color.

7.3.4.2 Gamma

Setup different Gamma curve of the image.

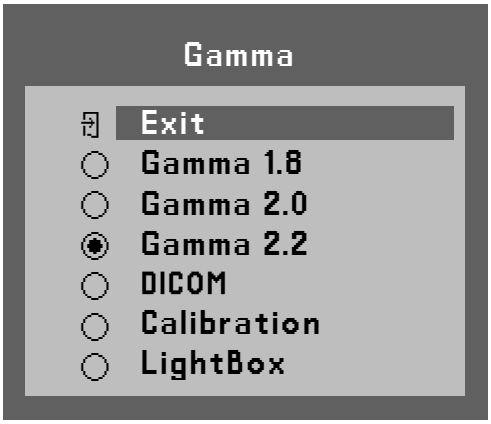


Image 7-3-4-2 Gamma OSD menu

- **Calibration**

  Setup Gamma curve for customer use calibration curve.

- **Light Box**

  Set display screen to full white box mode.

7.3.5 OSD Misc.

Select this control allows you to adjust below items settings for OSD.

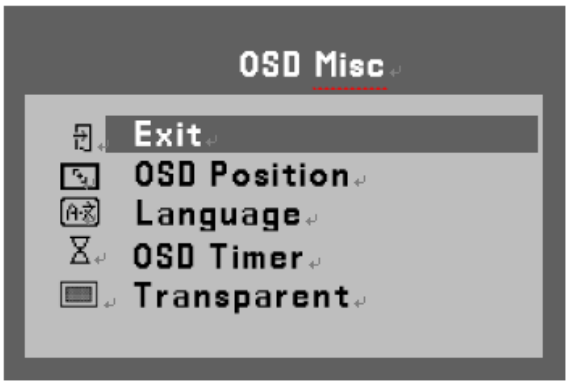


Image 7-3-5 OSD Misc. OSD menu

7.3.5.1 OSD Position

Adjust this control OSD position.

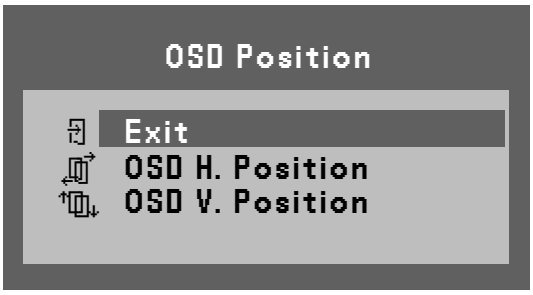


Image 7-3-5-1 OSD Display menu

- **OSD H-Position.**

Adjust the H position value from 0 to 100.

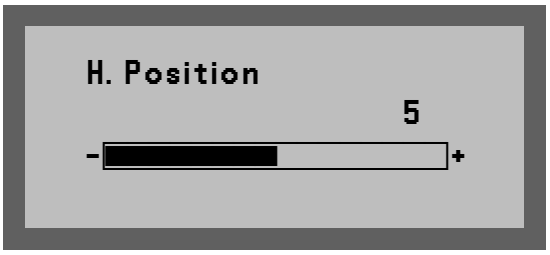


Image 7-3-5-2 H. Position OSD menu

- **OSD V-Position.**

Adjust the V position value from 0 to 100..

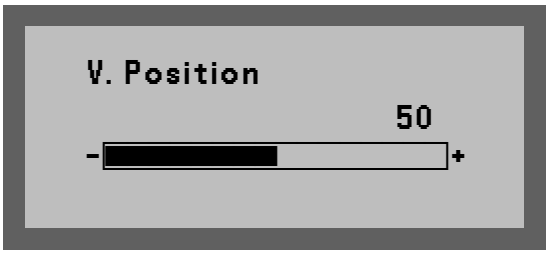


Image 7-3-5-3 V. Position OSD menu

7.3.5.2 Language

Select this different OSD language.



Image 7-3-5-2 Language OSD menu

7.3.5.3 OSD Timer(sec)

Adjust OSD display time that support 10 & 20 & 30 & 40 & 50 & 60.
OSD will disappear after 5 sec if set to 5 (just like that for 10 & 20 & 30 & 40 & 50 & 60).



Image 7-3-5-3 OSD Timer(sec) OSD menu

7.3.5.4 Transparent

Adjust OSD display transparent value from 0 to 7

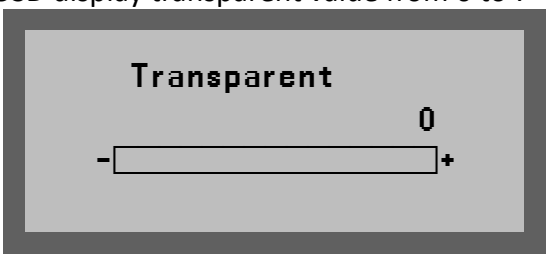


Image 7-3-5-4 Transparent OSD Menu

7.3.6 Management Settings

Selecting this control allows you to adjust below items settings for Management Page.



Image 7-3-6 Management Settings OSD menu

7.3.6.1 Scaling

Setup scaling mode for Full & 5:4 & 4:3 & 16:9 & 1:1.

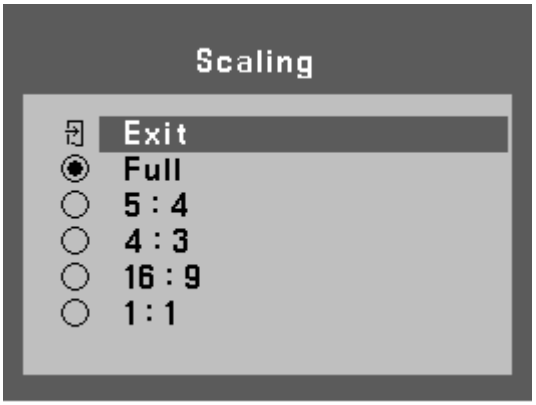


Image 7-3-6-1 Scaling OSD menu

7.3.6.2 Auto Source

Setup this Auto Source Function to On or off.

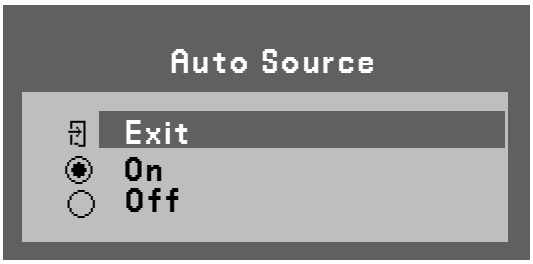


Image 7-3-6-2 Auto Source OSD menu

- **On**

  Switch Auto Source menu to On.

- **Off**

  Switch Auto Source menu to Off.

7.3.6.3 Audio

Select audio function for audio Mute on/off or adjust volume range.



Image 7-3-6-3 Audio OSD Menu

- **Mute**

Switch audio menu Mute.

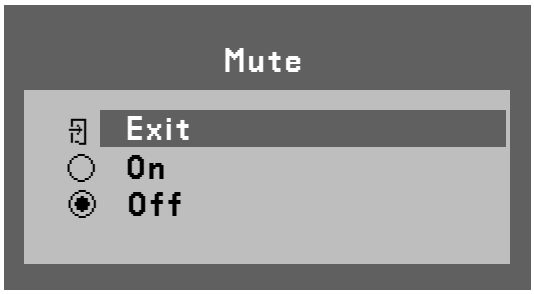


Image 7-3-6-3-1 Mute OSD menu

• **Volume**

Adjust audio Volume.

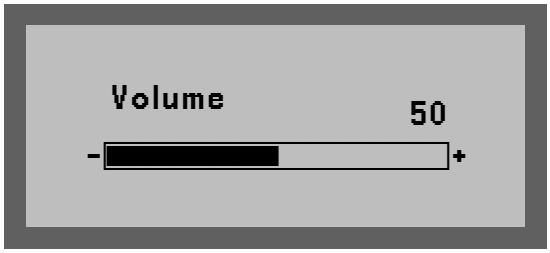
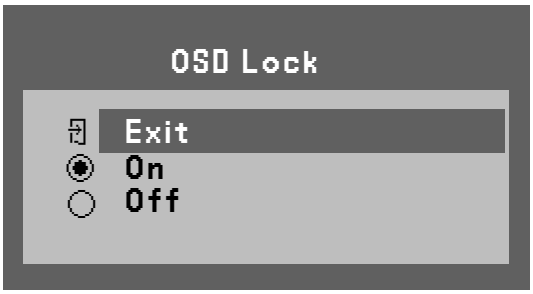


Image 7-3-6-3-2 Volume OSD menu

7.3.6.4 OSD Lock

Setup this OSD Lock function to on or off.



Management 7-3-6-4 Auto Source OSD menu

• **On**

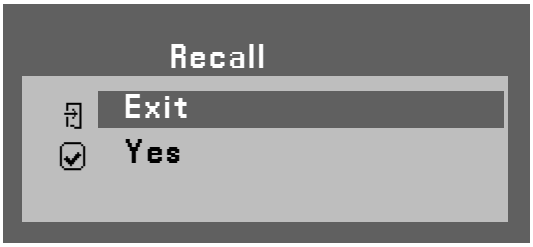
Switch OSD Lock menu to On.

• **Off**

Switch OSD Lock menu to Off.

7.3.6.5 Recall

Setup this Recall function to OSD default value.



Management 7-3-6-5 Recall OSD menu

• **Yes**

Reset OSD value to the default setting.

7.4 Supported Video Modes

※The display may not work correctly with timings other than listed below.
◯ : Applied timing

Resolution	V Frequency (Hz)	H Frequency (kHz)	Standard Type	Support Interface	
				DVI	DP
640 x 480	60	31.5	VESA Standard	V	V
800 x 600	60	37.9	VESA Guidelines	V	V
1024 x 768	60	48.4	VESA Guidelines	V	V
1280 x 1024	60	64.0	VESA Standard	V	V
1600 x 1200	60	75.0	VESA Standard	V	V
1920 x 1200	60	74.0	CVT Red. Blanking	V	V
2560 x 1440	60	88.7	CVT Red. Blanking	V	V

NOTE

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

8. Technical Specifications

Product description	27” LCD Monitor (LCDG27XANAC-VM2)
Screen technology	AHVA
Active screen size (H x V)	596.74 mm (H) x 335.66 mm (V)
Aspect ratio (H:V)	16 : 9
Resolution	WQHD (2560 x 1440)
Pixel pitch	0.2331mm x 0.2331mm
Color support	16.7M Colors ,True 8 Bit (RGB)
Viewing angle (H, V)	178 / 178 (CR≧10)
Panel Brightness	350(Typ.), 280(Min.) cd/m²
Response time	16 ms (Typ.)
Video input signals	1xDisplayPort 1xHDMI
Monitor Rating	24Vdc, 2.71A
Power Supply	Delta Electronics, Inc. Model MEA-065A24C Input: 100-240Vac, 1.5-0.75A, 50-60Hz Output: 24Vdc, 2.71A
Power consumption (maximum)	< 35 W
Power consumption (stand-by)	< 0.5 (without USB)
Dimensions (W x H x D)	650.61(L)x441.77(W)x175(H) mm
Net Weight	10.51kg ± 0.2 kg
Certifications	CE(EN 55032/EN 55035;CB IEC/EN 62368-1;ROHS,WEEE) FCC CFR 47 Part 15 Subpart B ;
Operating temperature	0°C to 40°C
Transport / Storage temperature	-20°C to 60°C
Operating humidity	30% - 75% (performance; non-condensing)
Transport / Storage humidity	10% - 90% (non-condensing)
Operation altitude	16,404 feet (5000m)

NOTE

- The specifications shown above may be changed for quality improvement without prior notice.

9. Outline Dimension

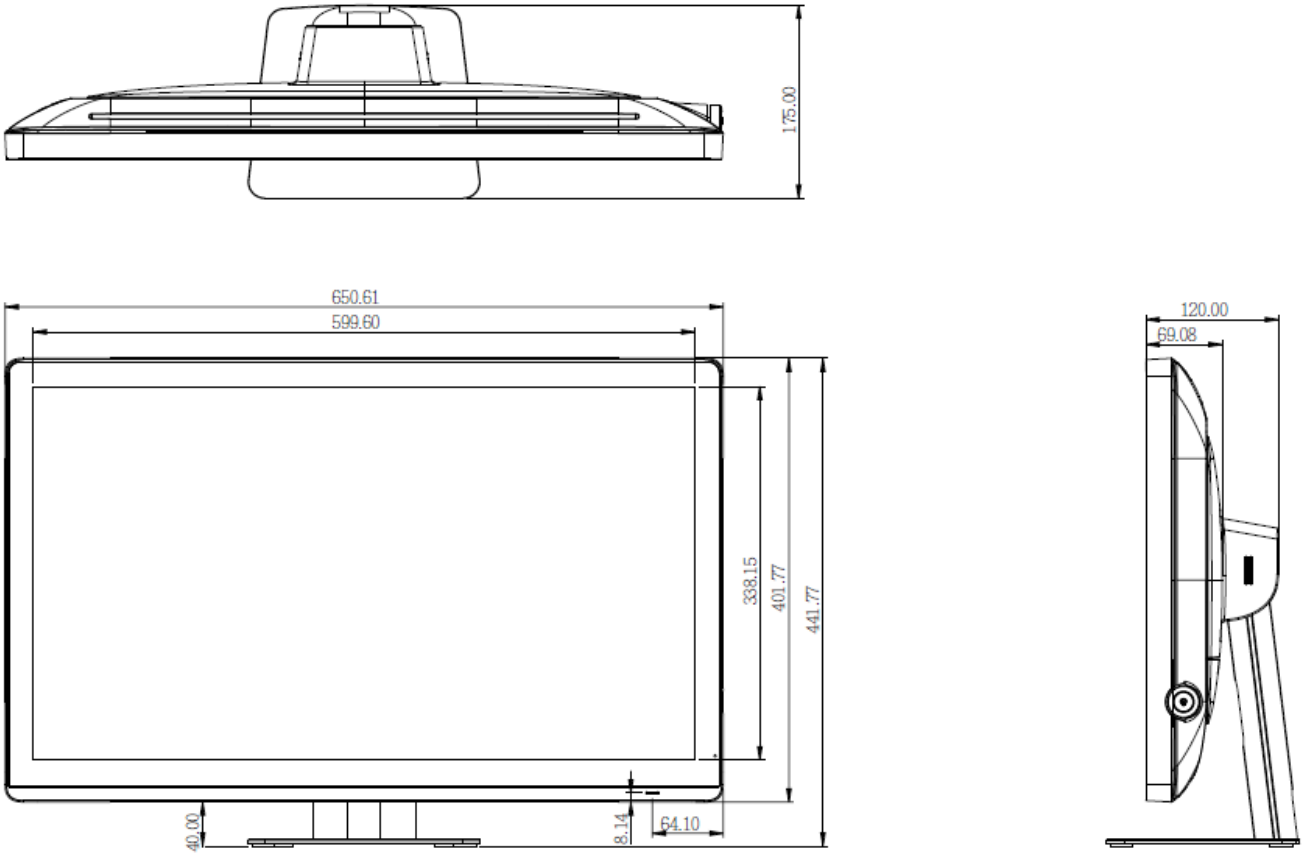


Image 9-1 Outline dimension

10. Troubleshooting

If the Display fails to function correctly, please follow these steps for a possible solution.

1. Perform the adjustments according to **Installation procedure** section.
2. Refer to the following troubleshooting chart if you cannot resolve the problem from other sections of this User's Manual.
3. If the problem is not described below or you cannot correct the problem, stop using the monitor and contact your dealer or the nearest service center for further assistance.

Problem	Check to see
No picture	The signal cable should be completely connected to the display card/computer.
	The display card should be completely seated in its slot.
	Check the AC Switch should be in the ON position. (AC Switch models only)
	DC Power Switch and computer power switch should be turned on.
	Check to make sure that a supported mode has been selected on the display card or system being used.(Please consult display card or system manual to change graphics mode.)
	Check the monitor and your display card with respect to compatibility and recommended settings.
	Check the signal cable connector for bent or pushed-in pins.
Image persistence (Image Sticking)	Image persistence is when a residual or "ghost" image of a previous image remains visible on the screen. To alleviate image persistence, turn off the monitor for as long as the previous image was displayed.
	Ensuring that a single image isn't on-screen all the time or more than thirty minutes.
The screen has defective pixels	The screen has defective pixels (e.g. slightly light or dark). This is due to the characteristics of the panel itself and not the LCD product.
Image is unstable, unfocused or swimming is apparent	Signal cable should be completely attached to the computer.
	Check the monitor and your display card with respect to compatibility and recommended signal timings.
	If your text is garbled, change the video mode to non-interlace and use 60 Hz refresh rate.

Problem	Check to see
OSD is not sized properly	Use the OSD Image Adjust controls to increase or decrease the Coarse total.
	Check to make sure that a supported mode has been selected on the display card or system being used.
No signal	Signal cable should be completely attached to the computer.
	Make certain the computer is not in a power-saving mode (touch the keyboard or mouse).
	If no video is present on the screen, turn the Power button off and on again.
LED on monitor is not lit (no blue or amber color can be seen)	Power Switch should be in the ON position and power cord should be connected.
	Check the power cable should be connected surely.

Notes for the User's Manual

- The content of this manual is subject to change without notice.
- Although this manual has been prepared carefully, please let us know if you find any errors, omissions, or ambiguous explanations.

Legal information and responsibility

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Please use following link for the registration of service issues:
http://www.canvys.de/support/teklink/

Model: RUP 2762AMII
User Guide
REV.A 20260327
8ZCDD714010