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P-SERIES

USER'S MANUAL (15" TO 19")

POS TOUCHSCREEN MONITOR

GVISION USA, INC

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Important Information



WARNING



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.

REFRAIN FROM OPENING THE CABINET AS THERE ARE HIGH VOLTAGE COMPONENTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



CAUTION



TO REDUCE 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.



This symbol warns user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any part inside this unit.



This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems.

CAUTION: Please use the power cord provided with this display in accordance with the table below. If a power cord is not supplied with this equipment, please contact GVISION. For all other cases, please use the power cord with the plug style that matches the power socket where the monitor 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.

**When operating this monitor with its AC 125-240V power supply, use a power supply cord that matches the power supply voltage of the AC power outlet being used.*

Care and Cleaning

- Always unplug your monitor from the wall outlet before cleaning. Clean the LCD monitor surface with a lint-free, non-abrasive cloth. Avoid using any liquid, aerosol or glass cleaners.
- Slots and openings on the back or top of the cabinet are for ventilation. They must not be blocked or covered. Your monitor should never be placed near or over a radiator or heat source, or in a built-in installation unless proper ventilation is provided.
- Never push objects or spill liquid of any kind into this product.

Safety Precautions / Maintenance

- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the monitor combination to avoid injury from tip-over.
- Unplug the monitor during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the monitor has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Do not press strongly upon the panel with a hand or a sharp object such as a nail, pencil, or pen, or make a scratch on it.
- Do not stick metal objects or any other conductive material into the power cord. Do not touch the end of the power cord while it is plugged in.
- Keep the packing anti-moisture material or vinyl packing out of the reach of children. Anti-moisture material is harmful if swallowed. If swallowed, induce vomiting and go to the nearest hospital. Additionally, vinyl packing can cause suffocation. Keep it out of the reach of children.
- Concerning the Power Cord (Can differ by country): Check the specification page of this owner's manual to be certain concerning current requirements. Do not connect too many devices to the same AC power outlet as this could result in fire or electric shock. Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your device, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the device, and have the cord replaced with an exact replacement part by an authorized servicer. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the device. Do not move the monitor with the power cord plugged in. Do not use a damaged or loose power cord. Be sure to grasp the plug when unplugging the power cord. Do not pull on the power cord to unplug the monitor.
- To reduce the risk of fire or electrical shock, do not expose this product to rain, moisture or other liquids. Do not touch the screen with wet hands. Do not install this product near flammable objects such as gasoline or candles, or expose the TV to direct air conditioning.
- Do not use high voltage electrical equipment near the TV (e.g., a bug zapper). This may result in product malfunction.
- Do not expose to dripping or splashing and do not place objects filled with liquids, such as vases, cups, etc. on or over the apparatus (e.g., on shelves above the unit).
- Do not attempt to modify this product in any way without written authorization from GVISION. Unauthorized modification could void the user's authority to operate this product.
- **Moving:** Make sure the product is turned off, unplugged, and all cables have been removed. Do not press or put stress on the front panel of the monitor screen.
- If you smell smoke or other odors coming from the monitor screen, unplug the power cord and contact an authorized service center.
- If water or another substance enters the product (like an AC adapter, power cord, or display unit), disconnect the power cord and contact the service center immediately. Otherwise, this may result in fire or electric shock.

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1 VESA™ Mounting Installation

1.1 15" Monitor VESA Mounting

Fix UL listed wall mount bracket on the back of the monitor with screws, the specification of screw (ref. image 1) to prevent electric damage to ensure user's safety. The dimension of interface pad of wall mount bracket has to follow VESA standard (ref. Image 2).

Installation: Please aim UL listed wall mount bracket at the 4 screw holes on the back of monitor and screw tightly (ref. Image 3).

Please refer to user's manual of UL listed wall mount bracket for wall mount installation.

SCREW M4L8 ,EGW,PAN(+),NI

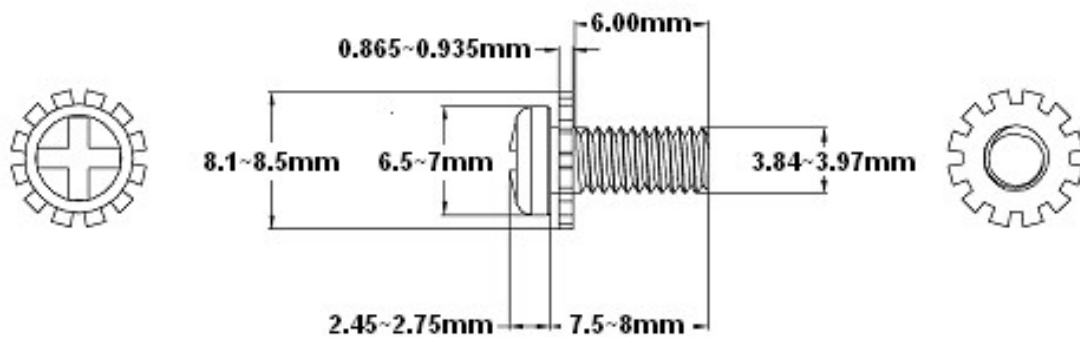


Image 1

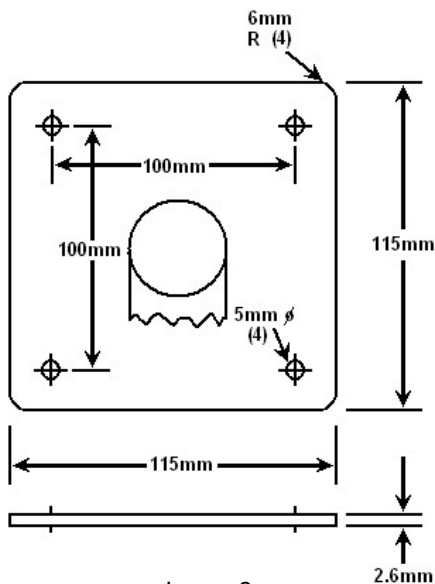


Image 2

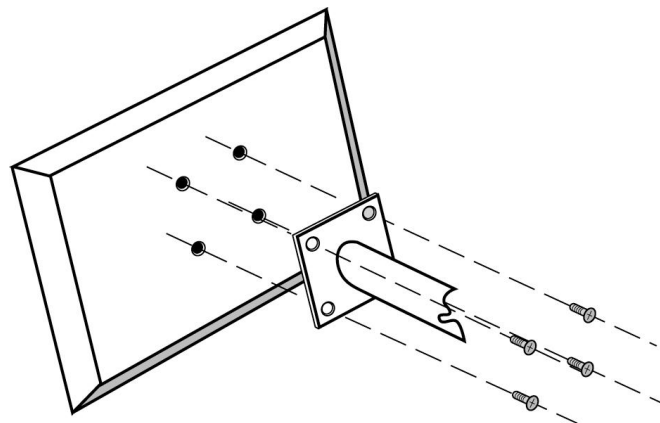


Image 3

1.2 17" / 19" Monitor VESA Mounting

Fix UL listed wall mount bracket on the back of the monitor with screws, the specification of screw (ref. image 1) to prevent electric damage to ensure user's safety. The dimension of interface pad of wall mount bracket has to follow VESA standard (ref. Image 2).

Installation: Please aim UL listed wall mount bracket at the 4 screw holes on the back of monitor and screw tightly (ref. Image 3).

Please refer to user's manual of UL listed wall mount bracket for wall mount installation.

SCREW M4L10,EGW,PAN(+),NI

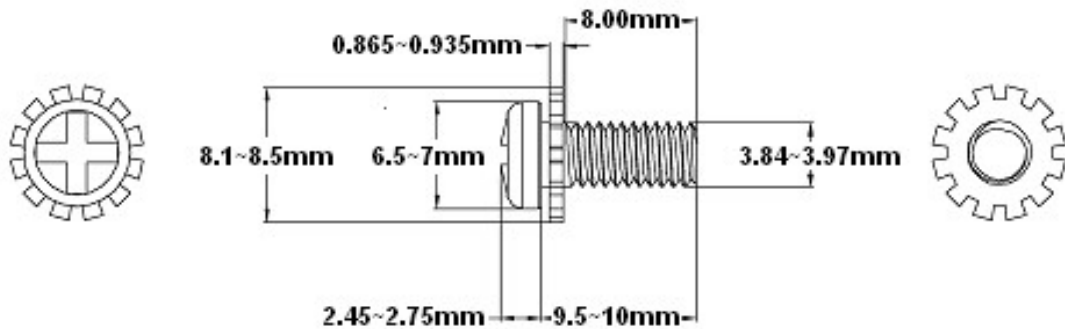


Image 1

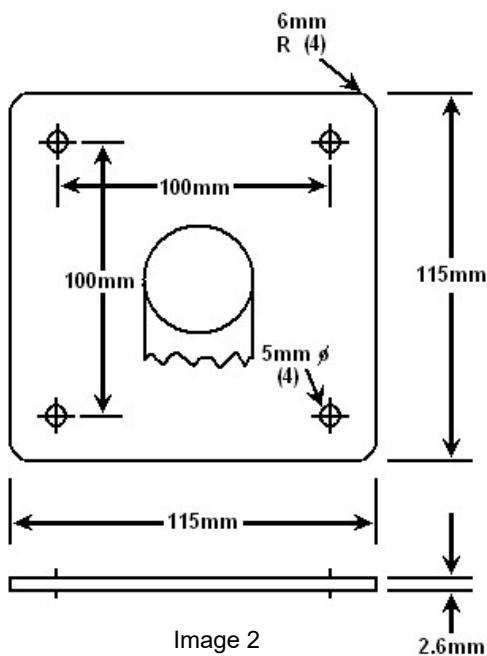


Image 2

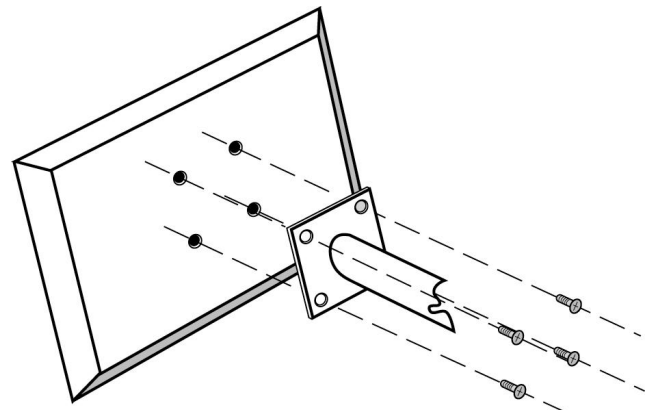


Image 3

2 FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with 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 equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient / Relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into 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

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice:

The use of non-shielded interface with this equipment is prohibited. If necessary, the user should consult the dealer or an experienced radio / television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful. This booklet is available from the U.S. Government Printing Office Washington DC, 20402, Stock No. 004-000-00345-4.

The manufacture is not responsible for any radio or TV interference caused by unauthorized modification of this equipment. It is the responsibility of the user to correct such interference.

Caution: To meet FCC limits for a Class B computing device, a shielded signal cable should be used.

Canadian Department Of Communications Compliance Statement

This equipment does not exceed Class B limits per radio noise emissions for a digital apparatus, set out in the Radio Interference Regulation of the Canadian Department of Communications. Operation in a residential area may cause unacceptable interference to radio and TV reception requiring the owner or operator to take whatever steps necessary to correct the interference.

Département Canadien des Communications Rapport De Conformité

Cet équipement ne dépasse pas les limites de classe B pour des émissions de bruit radio pour des appareils numériques comme présenté au règlement d'interférence radio du département canadien des communications. L'utilisation dans une zone résidentielle risqué de générer des interférences inacceptables à la réception radio et TV, auquel cas l'utilisateur se verrait dans l'obligation de prendre toutes mesures nécessaires pour corriger les interférences.

3 WEEE Statement

Important Information for Recycling

This warning sign of the trash bin indicates that the objects are not allowed to be disposed of as general refuse. Please follow the local Act and carry out further disposal with refuse recycling and collecting system in your Country or District. For more information on recycling, please contact a locally authorized recycling center or place of purchase. Your recycling behavior will bring a better future for the Earth and create a living environment with excellent quality for the descendant.



Informations importantes relatives au recyclage

Cet avertissement sur un récipient à ordures indique qu'il est interdit d'y déverser des ordures ménagères. Veuillez à l'avenir respecter les réglementations locales et rester en conformité avec le système de collecte et de recyclage des ordures de votre circonscription ou district. Pour plus d'informations sur le recyclage, veuillez contacter votre centre de recyclage agréé local ou le lieu d'achat. Votre attitude quant au recyclage améliorera l'avenir de la planète et créera un environnement de vie de qualité pour les générations futures.

Wichtige Hinweise zum Recycling

Dieses Mülleimer-Warnsymbol gibt an, dass die Objekte nicht mit dem regulären Hausmüll entsorgt werden dürfen. Bitte halten Sie sich an die örtlichen Bestimmungen und entsorgen Sie die Objekte über Recycling- und Sammelstellen in Ihrer Nähe. Detaillierte Informationen zum Recycling erhalten Sie von Ihrer örtlichen, offiziellen Recycling-Sammelstelle oder beim Händler, bei dem Sie die Objekte erworben haben. Ihre Mitarbeit trägt dazu bei, unsere Umwelt zu schützen und sorgt dafür, dass unsere Erde auch für nachfolgende Generationen ein Ort bleibt, an dem es sich zu leben lohnt.

Información importante de reciclado

Este letrero de aviso de cubo de basura indica que los objetos no pueden desecharse como residuos generales. Cumpla la normativa local y realice la eliminación según el sistema de reciclado y recogida de su país o región. Para obtener más información sobre el reciclado, póngase en contacto con su centro de reciclado autorizado local o su lugar de compra. Su conducta de reciclado supondrá un mejor futuro para la Tierra y crea un entorno de vida de calidad para las futuras generaciones.

Informazioni importanti sul riciclaggio

Questo simbolo del bidone dell'immondizia sta ad indicare che è vietato smaltire il prodotto insieme ai rifiuti domestici generici. Attenersi alle normative ed alle procedure di raccolta e riciclaggio dei rifiuti speciali in vigore nella propria città o regione. Per altre informazioni sul riciclaggio, mettersi in contatto con i centri autorizzati di raccolta e riciclaggio, oppure con negozio dove è stato fatto l'acquisto. Le vostre azioni garantiranno il miglioramento futuro della Terra e creeranno un ambiente ed una qualità di vita che tutti preferiscono sia per sé sia per le generazioni future.

Důležité informace pro recyklaci

Tato značka na kontejneru znamená, že do něj není dovoleno vřazovat určité předměty. Dodržujte prosím místní předpisy a likvidujte odpad podle systému recyklace a sběru odpadu ve vaší zemi nebo okresu. Pro další informace o recyklaci kontaktujte místní recyklační středisko nebo místo nákupu výrobku. Svým postojem k recyklaci přispějete k lepší budoucnosti na Zemi a ke kvalitnějším životním podmínkám pro budoucí generace.

Ważna informacja dotycząca recyklingu

Symbol przedstawiający pojemnik na odpadki informuje, że oznaczone nim obiekty nie mogą być usuwane razem z ogólnymi odpadami. Należy stosować się do lokalnego prawa i wykonywać zalecenia dotyczące dalszego przetwarzania takich odpadów poprzez umieszczanie ich punktach gromadzenia odpadów w danym kraju lub okręgu. Dalsze informacje dotyczące recyklingu można uzyskać, po skontaktowaniu się z punktem przetwarzania odpadów autoryzowanym przez władze lokalne lub w miejscu zakupu. Stosowanie się do zaleceń w sprawie przetwarzania odpadów, przyczyni się do zmniejszenia zanieczyszczenia Ziemi i zachowania czystości środowiska dla przyszłych pokoleń.

Важная информация о переработке отходов

Такое изображение мусорного ящика обозначает, что данный предмет не разрешается выбрасывать вместе с общими отходами. Пожалуйста, придерживайтесь местных законов и выбрасывайте данный предмет в соответствии с системой переработки отходов вашей страны или области. Для более детальной информацией о переработке отходов обращайтесь к местным авторизованным центрам переработки отходов или к продавцу данного изделия. Ваши действия по утилизации мусора повлияют на лучшее будущее Земли и повысят чистоту окружающей среды для будущих поколений.

回收重要資訊

這個垃圾桶警告標識，表示不能依一般廢棄物處理，請依照當地法律，利用貴國或貴地區的廢品回收及收集系統加以處理，欲取得更多的回收資訊，請聯絡當地授權的回收中心或產品購買地點。

你的回收行為，將為地球帶來更美好的將來，為後代子孫創造更優質的生活環境。

回收重要信息

这个垃圾桶警告标识，表示不能依一般废弃物处理，请依照当地法律，利用贵国或贵地区的废品回收及收集系统加以处理，欲取得更多的回收信息，请联络当地授权的回收中心或产品购买地点。

你的回收行为，将为地球带来更美好的将来，为后代子孙创造更优质的生活环境。

リサイクルに関する重要な情報

このごみ入れの警告標示は、物体を一般廃棄物として廃棄できないことを示しています。地方自治体の規制に従い、居住する国または地域の廃棄物リサイクルおよび収集システムに従って廃棄を実行してください。リサイクルの詳細については、地域の認可されたリサイクルセンターまたは購入店にお問い合わせください。

お客様のリサイクルに対する態度は地球の未来、また後の世代の生活環境の向上をもたらすものとなるはずです。



Green MarkはJ-Mossに合致したと表す(JIS C 0950電、電子の機械の特定の化学の物質は含有して方法を表す)。J-Mossの特定の化学の物質の(鉛、水銀、カドミウム、六つの値段クロムPBB, PBDE), その含有量きわめてになる低い

4 Japan RoHS Declaration

JIS C 0950: 2021 in Japan:



Green MarkはJ-Mossに合致したと表す(JIS C 0950電気、電子の機械の特定の化学物質は含有して方法を表す)。

J-Mossの特定の化学物質の(鉛 水銀、カドミウム、六つの値段クロム PBB, PBDE), その含有量きわめてになる低い

設備名前: LCDウォッチドッグ

類型は指定しました: 全部の模型

部 品 名 称	毒がある有害物質あるいは要素でした					
	鉛 (Pb)	水銀 (Hg)	カドミ ウム (Cd)	六値段 クロム (Cr6+)	たくさんの臭 素のジフェニ ルでした (PBB)	たくさんの臭 素のジフェニ ルオキサイド (PBDE)
電線のケーブル のモジュール	0	0	0	0	0	0
プラスチック の部品	0	0	0	0	0	0
メタルの部品	0	0	0	0	0	0
電気回路のモ ジュール	X	0	0	0	0	0
液状結晶のデ スク	X	X	0	0	0	0
ぶつかってモ ジュールを訴え た	X	0	0	0	0	0
1. 「0」は計算されたこういう物質のパ-セントの内容が参考のパ-セントの内容を越え たなかったと表明したと気を配りました。 2. が「免除し」たことを注意して計算されたことを表すこういう物質のパ-セントは合 致して項目を免除します。						

X: 免除した

5 Introduction

Product Features:

- High contrast color TFT LCD display support resolution up to XGA (15" model) and SXGA 1280 x 1024 (17" & 19" model).
- Compatible with IBM VGA, DVI, VESA standards.
- Imbedded audio system provides sound performance.
- Power management system conforms to VESA DPMS standard.
- Universal power adapter.
- Support DDC1/2B for Plug & Play compatibility.
- Advanced OSD control for picture quality adjustment.
- Support VESA standard mounting holes for wall mount or ARM mounting application.
- Touch screen system (Optional)
- Digital interface (Optional)
- The aluminum desktop stand tilt down -5°~ tilt up +90°

Package Contents:

1	15" or 17" or 19" TFT liquid crystal monitor
2	D-sub 15 pin signal cable for analog input
3	DVI 24 pin signal cable for digital input (option)
4	RS232 / USB cable for touch screen function (option)
5	RCA / S-Video signal cable for video-in function (option)
6	Audio cable (option)
7	Power adapter / AC power cord (option)
8	Touch screen CD driver (option)
9	4 pieces M4x10mm washer screws (option)

6 Monitor Controls

6.1 Key Function

1	Power Switch: Pressing this button turns the display system power on or off
2	Menu/Select: “▲” Pressing this button opens the OSD menu on the screen, and is used to select (“Up” direction) the OSD control options on the screen
3	Select: “▼” This button is used to select (“Down”) the OSD control options on the screen
4	“+”: Increase the value of the selected OSD control option
5	“-”: Decrease the value of the selected OSD control option
6	Power LED on or off

6.2 Quick Adjustment Function

When the OSD Menu is not active, the following functions are available for the quick adjustment.

- Pressing “▲” button once pops up the OSD Function Main Menu .
- Pressing “▼” button once pops up the small Brightness icon. Use “+” or “-” button to adjust the Brightness level.
- Pressing “+” button once pops up the small Volume icon. Use “+” or “-” button to adjust the Volume level.
- Pressing “-” button once pops up the small Input Select icon. Press “-” button again
- to switch to the digital interface. (Only for the model with digital input)
- Pressing “+” button once and then press both “+” and “-” buttons at one time, the audio will be mute. Pressing “+” button again, the audio come back.

NOTE:

Key lock function: Press “▼” button and then press Power switch together to freeze all function keys. Press “▼” button and then press Power switch together to unlock the keys.

6.3 Display Angle

Tilting:

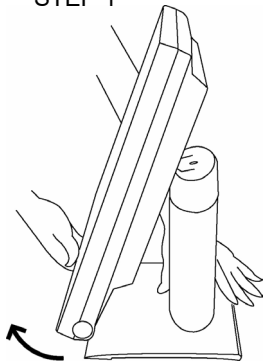
For viewing clarity, you can tilt the LCD backward. (up to 90 degrees).



CAUTION: In order to protect the LCD, be sure to hold the base whenever you adjust it.

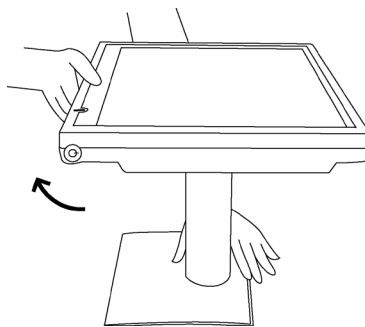
6.4 Desktop Stand Setting

STEP 1

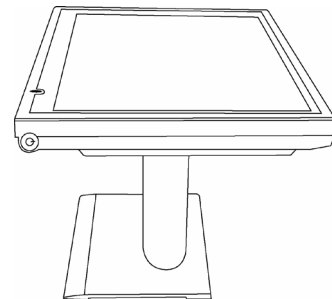


Hold the stand tight and pull monitor out upward.

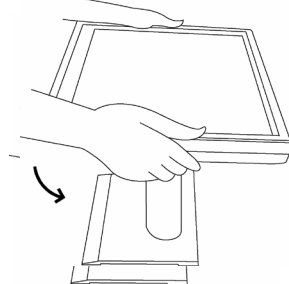
STEP 2



STEP 3

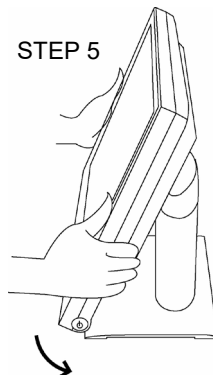


STEP 4

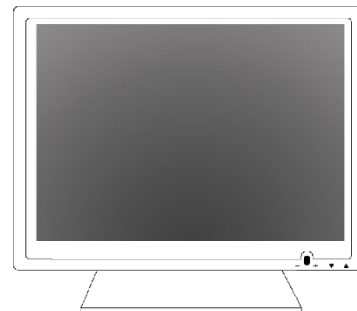


Continuing step, then out down the entire monitor downward

STEP 5



STEP 6

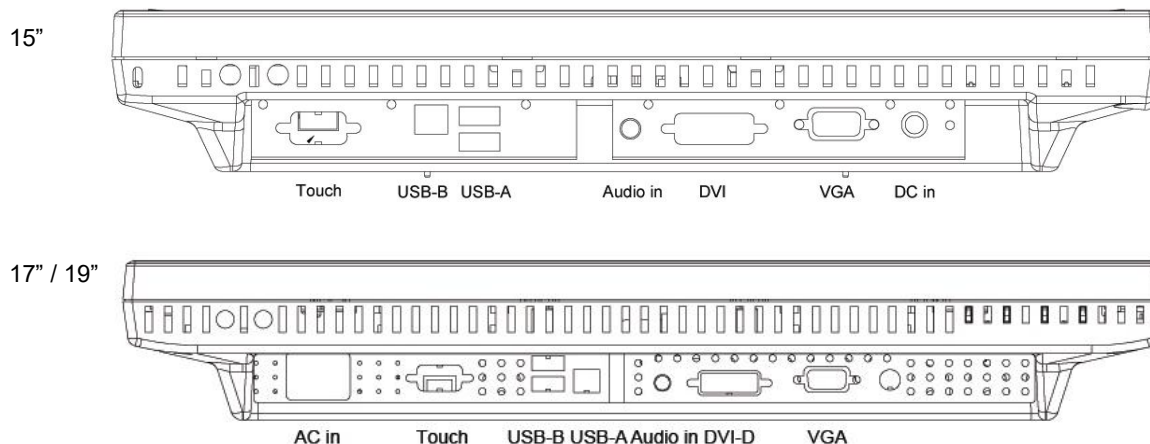


Place the monitor in an upright position.

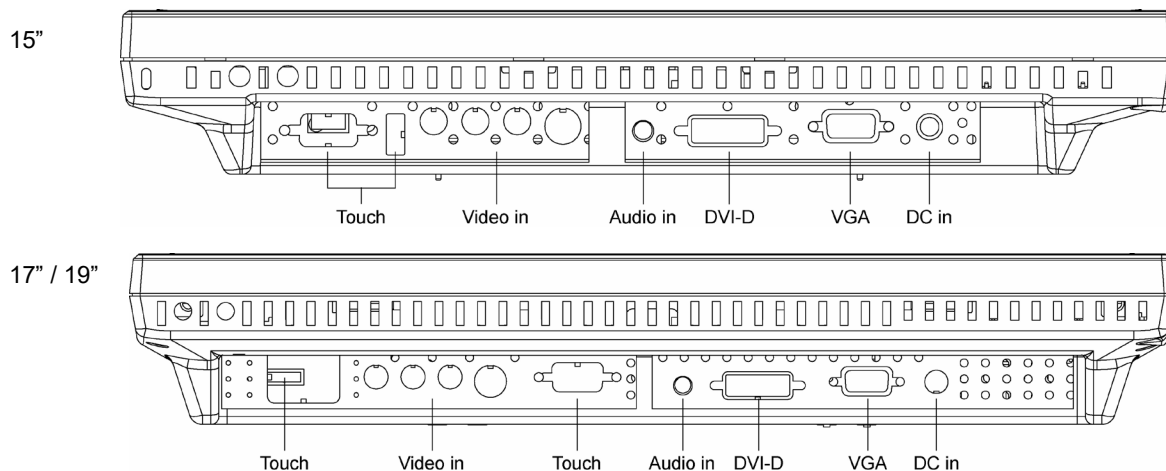
WARNING: DO NOT USE falls short of the specifications of screw for VESA mounting. Strongly recommend use the 4 screws we provided.

6.5 I/O Port

Standard Model:



Touch / Video-in Model:



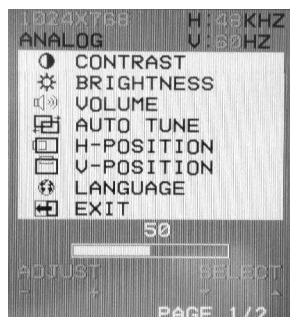
WARNING: Be sure to hold the connector instead of the wire when you disconnect the cord/cable.

6.6 OSD Control Options

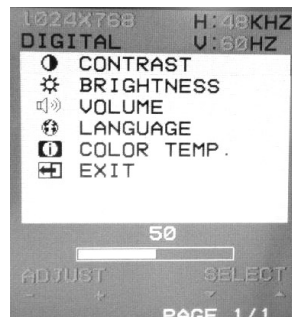
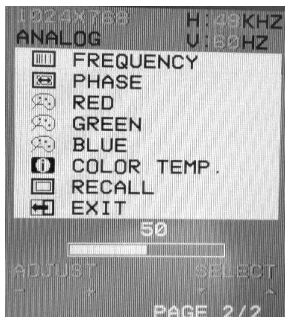
Pressing “-” button once opens the small **Input Select icon**.

PC ANALOG
PC DIGITAL (Optional)
VIDEO (Optional)
S-VIDEO (Optional)
EXIT

7 Screen Adjustment



PC Analog Mode



PC Digital Mode



S-Video/Video Mode

CONTRAST	Adjust the contrast using “+” and “-” buttons
BRIGHTNESS	Adjust the brightness using “+” and “-” buttons
VOLUME	Adjust the speaker volume using “+” and “-” buttons
AUTO TUNE	Press “+” or “-” buttons to make LCD monitor adjust the related parameters automatically for optimal display status
H-POSITION	Pressing “+” moves the display image to the right; Pressing “-” moves the display image to the left
V-POSITION	Pressing “+” moves the display image upward; Pressing “-” moves the display image downward
LANGUAGE	This item is used to select OSD languages
FREQUENCY	This item is used to decrease the vertical interference. 1) Select one display pattern from your computer. 2) Use “+” and “-” buttons on the LCD monitor to decrease the vertical interference to get the optimal display
PHASE	This item is used to decrease the horizontal interference. 1) Select one display pattern from your computer. 2) Use “+” and “-” buttons on the LCD monitor to decrease the horizontal interference to get the optimal display

RED / GREEN / BLUE	Adjust the value of color gain (Red, Green, Blue) using “+” and “-” buttons
COLOR TEMP.	This section is for “Color Temperature” adjustment. You can select the Warm, Cool, or Normal in this section, and then press “+” and “-” buttons to set up. The color temperature will be recalled as factory preset value.
RECALL	Press “+” or “-” buttons to recall factory preset values
HUE	<i>(For the model with Video input only)</i> Adjust the video image hue using + or - buttons to set up
SHARPNESS	<i>(For the model with Video input only)</i> Adjust the sharpness using + or - buttons to set up
SATURATION	<i>(For the model with Video input only)</i> Adjust the video image color saturation using + or - buttons to set up

8 Touch Installation

Installing Touch Screen Controller Driver

To install the driver of the touch screen controller to your computer, please follow the steps below:

- 1) Insert the CD-ROM in your computer's CD-ROM drive.
- 2) If autorun is enabled, the setup program appears automatically. If autorun is disabled, run setup.exe from the root directory of CD.
- 3) Follow the directions on the screen to complete the installation.
- 4) After finishing the installing, restart the computer as instructed.

Uninstalling Touch Screen Controller Driver

To uninstall the driver of the touch screen controller from your computer, please follow the steps below:

- 1) Click the Start button, click Control Panel, and then click Add/Remove Programs.
- 2) Select Touch Screen Controller Driver from the list of not installable programs on the Install / Uninstall tab.
- 3) Click the Add/Remove button then follow the directions on your screen.
- 4) After finishing the uninstalling, restart the computer as instructed.

9 Power Management

General Power Saving Mode

Mode	Power LED Color	Power Consumption			
On	Green	Monitor	Monitor+ Touch	Monitor + Video +Touch	48W (max.)
Stand by	Orange	2W	2W	4W	
Suspend	Orange	2W	2W	4W	
Off	Orange	2W	2W	4W	

* We recommend to switch off the monitor when it is not use for quite a long time.

10 Trouble Shooting

Symptoms	Solutions
The monitor does not respond after you turn on the system.	• Check if the Power Switch of monitor is turned on. • Turn off the power and check the monitor's power cord and signal cable for proper connection.
The characters on the screen are dim.	• Refer to the Controls and Adjustments section to adjust the brightness.
The screen is blank.	• During operation, the monitor screen may automatically turn off as a result of Power Saving feature. Press any key to see if the screen comes back. • Refer to the Controls and Adjustments section to adjust the brightness.
The screen flashes when it's initialized.	• Turn off the monitor and turn it on again.

Cleaning

- Gently wipe the screen with a clean camel hair lens brush, or a soft, clean, lint-free cloth.
(This removes dust and other particles that can scratch the screen)
- Do not apply pressure to the screen surface when wiping it clean.
- Do not pour or spray any liquid directly onto the screen or case of the LCD monitor. Chemical cleaners have been reported to damage the screen or case of the LCD monitor.

WARNING: Do not disassemble the monitor. Contact your dealer if needed.

11 Display Modes

Display Size	Resolution	Type	H. Scan (KHz)	V. Scan (Hz)	Pixel (MHz)
15" 17" 19"	640X350	VGA	31.47	70.09	25.18
	640X400	VGA	24.83	56.42	21.05
	720X400	VGA	31.47	70.09	28.32
	640X480	VGA	31.47	59.94	25.18
	640X480	VGA	37.86	72.81	31.50
	640X480	VGA	37.50	75.00	31.50
	640X480	VGA	35.00	66.67	30.24
	800X600	SVGA	37.88	60.32	40.00
	800X600	SVGA	35.16	56.25	36.00
	800X600	SVGA	48.08	72.19	50.00
	800X600	SVGA	46.88	75.00	49.50
	1024 X 512		34.39	60.00	46.77
	1024X768	XGA	48.36	60.00	65.00
	1024X768	XGA	56.48	70.00	75.00
	1024X768	XGA	60.02	75.00	78.75
17" 19"	1152X864	SXGA	67.50	75.00	108.00
	1280X960	SXGA	60.00	60.00	108.00
	1280X1024	SXGA	79.98	75.00	135.00
	1280X1024	SXGA	64.00	60.00	108.00

12 Specifications

MODEL	P15BX	P17BH	P19BH
Screen Size	15-inch	17-inch	19-inch
Resolution	1024 x 768	1280 x 1024	1280 x 1024
Refresh	60Hz	60Hz	60Hz
Brightness	350cd/m ²	350cd/m ²	350cd/m ²
Response Time	8ms	5ms	5ms
Aspect Ratio	4:3	5:4	5:4
Viewing Angle	160°(H)/150°(V)	170°(H)/160°(V)	170°(H)/160°(V)
Display Color	16.7M (8-bit)	16.7M (8-bit)	16.7M (8-bit)
INTERFACE			
DVI	1	1	1
VGA	1	1	1
USB-A / RS232	1 / 1	1 / 1	1 / 1
Audio	1	1	1
AUDIO			
Speaker	1Wx2	1Wx2	1Wx2
TOUCH TECHNOLOGY			
Color/Material	5-Wire Resistive	5-Wire Resistive	5-Wire Resistive
POWER			
Consumption	Typical 36W	TBD	TBD
Electrical Rating	12V DC / 3A	AC 100V ~ 240V, 50/60Hz	AC 100V ~ 240V, 50/60Hz
TEMPERATURE			
Operating	0~40°C	0~40°C	0~40°C
VESA™			
Mount Size	75x75mm	100x100mm	100x100mm

Specifications subject to change without any notice

NOTE:

For quality performance. Please refer the graph below for the corresponding of temperature and humidity.

