

Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.

1. WARNING AND CAUTION

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE THE MONITOR'S COVER.
NO USER SERVICEABLE PARTS INSIDE REFER SERVICING
TO QUALIFIED PERSONNEL

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS MONITOR TO RAIN OR MOISTURE. HIGH VOLTAGE EXISTS ON THIS MONITOR. DO NOT REMOVE THE MONITOR'S COVER.

CAUTION:

1. Keep Monitor away from excessive dust, high temperature, moisture or direct sunlight.
2. Use well ventilated area and do not cover ventilation openings.
3. Unauthorized modification to this equipment, substitution or the use of an unshielded connecting cable may cause excessive interference.
4. When the monitor is not in use disconnect it from the mains power supply.
5. If the picture display is in any way abnormal, disconnect from mains power by turning power switch OFF. Check and ensure the installation is correct. Then reconnect the mains supply by turning power switch ON.

2.IMPORTANT SAFETY INSTRUCTION

Prior to using this product, please ensure that you have carefully read and understood all the procedures outlined in this user's manual.

1. Read all of these instructions.

2. Save these instructions for later use.

3. Follow all warnings and instructions marked on the product.

4. Disconnect from the mains supply before cleaning.

Do not use liquid or aerosol cleaners. Use only a slightly damp cloth for cleaning.

5. Do not use this product near water.

6. Do not press hard and scratch the polarizer film on the LCD panel surface. For handling, use cotton or conductive gloves so that the display surface is not stained .For If the display surface is stained by dust or dirt, clean it as follows with a soft cloth (deer skin, etc)

Dust : Wipe off lightly with a soft cloth.(do not rub.)

Dirt : Wipe off lightly with a soft cloth after soaking in the clear water and squeezing out water drops. Use isopropyl alcohol or ethanol only if dirt is hard to wipe off.

Be careful not to splash water or solvent to prevent water penetrating between the polarizer and the LCD panel. Do not use the solvents such as ketone (acetone ,etc.)and aromatics(xylene , toluene ,etc.) If saliva or water drops are left for long time, it may cause partial deformation or discoloring. Wipe off immediately in the same way as for dirt.

Do not allow oil to adhere to the display, since the cleaning of oil is difficult.

7. Do not place this product on an unstable cart, stand or table. The product may fall, causing serious damage.

8. Slots and openings in the cabinet located at the back and underneath are provided for ventilation. To ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked as when placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat source. This product should not be placed in an enclosed installation unless proper ventilation is provided.

9. This product should be operated from the type of power source indicated on the marked label. If you are not sure of the type of power available, consult your dealer or local power company.

10. Do not allow anything to rest on the power cord. Do not put this product where people will walk on or may be tripped by the cord.

11. If an extension cord is used with this product, ensure that the total ampere ratings of the products connected to the extension cord do not exceed the extension cord ampere rating. Also ensure that the total amperes of all products connected to the mains outlet, does not exceed 15 amperes.

12. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill any kind of liquid on the product.

13. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.

14. Disconnect this product from the main supply and refer servicing to qualified service personnel under the following conditions:

A When the power cord or plug is damaged or frayed.

B If liquid has been spilled into the product.

C If the product has been exposed to rain or water.

D If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

E If the product has been dropped or the cabinet has been damaged.

F If the product exhibits a distinct change in performance, indicating a need for service.

15. To prevent reflection of the light, set the LCD panel perpendicular with the light source.

3. FCC STATEMENT

The equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of 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 strict 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 measure (When optional TV/AV CARD IS INSTALLED)

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the 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.

Shielded interconnected cables and shield power cords must be employed with this equipment to ensure compliance with the pertinent RF emission limits governing this device.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment and invalidate the warranty.

NOTICE OF COMPLIANCE WITH CANADIAN INTERFERENCE-CAUSING EQUIPMENT REGULATIONS

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

4. General Information

This monitor is a high-performance intelligent multi-scan TFT LCD color monitor. It is designed to be compatible with all display modes for 15" and 17" LCD monitor.

User friendly interface - the easy and precise OSD control of 7 keys button. Brief appearance - multimedia featured in an elegant and compact housing.

Footprint of all round tilting rang - employing sectional positioning, well balanced in adjustment.

Analog input - plug and play facilities to accept RGB signal with modulated frame rate control allowing over 20 different input formats.

D-SUB 15 PIN ASSIGNMENT

Pin 1: Red	Pin 6: R return	Pin 11: GND.
Pin 2: Green	Pin 7: G return	Pin 12: DDC data
Pin 3: Blue	Pin 8: B return	Pin 13: H sync.
Pin 4: GND.	Pin 9: Self test	Pin 14: V sync.
Pin 5: GND	Pin 10: GND	Pin 15: DDC clock

DVI 24 PIN ASSIGNMENT

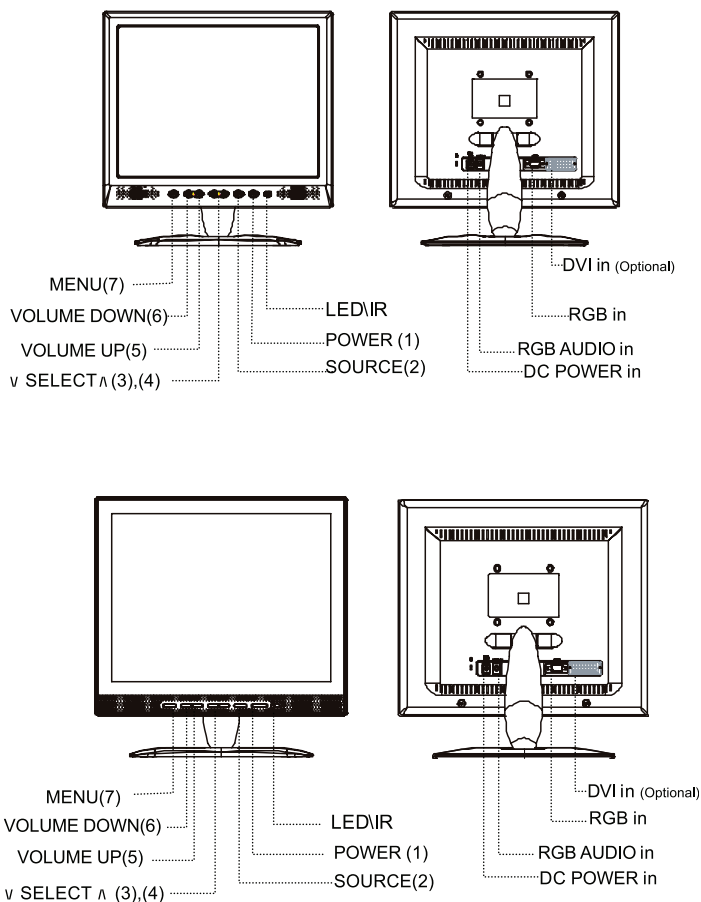
Pin 1: TxD2-	Pin 8: V-Sync.	Pin 15: GND	Pin 22: GND.
Pin 2: TxD2+	Pin 9: TxD1-	Pin 16: DET	Pin 23: TxCO+.
Pin 3: GND	Pin 10: TxD1+	Pin 17: TxDO-.	Pin 24: TxCO-..
Pin 4: N.C.	Pin 11: GND	Pin 18: TxDO+.	
Pin 5: N.C.	Pin 12: N.C.	Pin 19: GND	
Pin 6: DDC Clk.	Pin 13: N.C.	Pin 20: N.C.	
Pin 7: DDC Data.	Pin 14: +5V	Pin 21: N.C.	

APPLICATION VIDEO TIMING

VESA MODE					
			Horizontal	Vertical	
Mod	Resolution	Refresh rate	Nominal Frequency +/- 0.5KHz	Nominal Frequency +/- 1 Hz	Nominal Pixel Clock(MHz)
1	640(VGA)x480	60	31.5	59.94	25.175
2	640(VGA)x480	70	31.5	70	28.3
3	640(VGA)x480	72	37.9	72.81	31.500
4	640(VGA)x480	75	37.5	75	31.500
5	800(SVGA)x600	56	35.1	56.25	36.000
	800(SVGA)x600	60	37.9	60.317	40.000
7	800(SVGA)x600	72	48.1	72.19	50.000
8	800(SVGA)x600	75	46.9	75	49.500
9	1024(XGA)x768	60	48.4	60.01	65.000
10	1024(XGA)x768	70	56.5	70.07	75.000
11	1024(XGA)x768	75	60.0	75.03	78.750
12	1280(SXGA)x1024	60	64.0	60.0	108.000
13	1280(SXGA)x1024	75	80.0	75.0	135.000

15" LCD Monitor : 12-13 mode is "fail-safe mode".

6.Back / Front Panel And Connections



1. POWER

Turn ON or OFF of the monitor power.

2. SOURCE

Press SOURCE button to switch input signal.

3~4. V SELECT ^

Press V SELECT ^ button to select items. Select proper setting.

5~6. - VOLUME +

Press - Volume + button to select main items and adjust some values. Increase or decrease the value of selected adjustment items or select proper setting.

7. MENU

Press MENU to display the monitor's On-Screen Display.

LED

Indicates the status of monitor operation.

Green : Normal.

Amber : When power off.

Green with flicker : Power saving mode or disconnection of signal cable.

DC Power Input : 12V DC Input Terminal

RGB IN : Analog signal connector (15-pin D-sub) for use with IBM and other compatible.

RGB Audio IN : 3.5mm Stereo Input Jack to receive audio signal from PC.

7. Installation procedure:

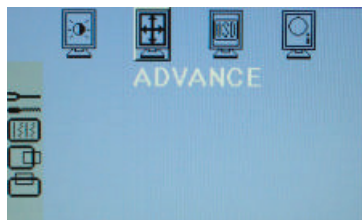
1. Ensure the power of PC and LCD monitor are off.
2. Connect the video and audio signal of PC to their respective input terminals on monitor.
3. Connect the power cord to the power supply adapter. Then connect the output of the power supply to the DC12V terminal of the monitor. Then plug the AC power cord to the AC power source.
4. Turn on the PC equipment.
5. Push the power switch button located at the lower right side of the bezel. Power LED light indicate monitor is working.

8. Operation Method Of Front Panel Control

The Monitor function settings are set using the On-Screen Display. To access function settings, simply press the MENU key on the front control panel to display MENU. Press MENU to enter sub menu, and use - VOLUME + button to choose item (PICTURE, ADVANCE, OSD, INFO). Different function settings are available for the different types of signal inputs. The following diagram shows the different on-screen displays available for different input signals.



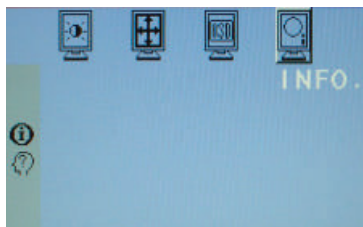
Press MENU to enter sub-menu as following, then using - VOLUME + to select items (Picture). Press $\vee$ / SELECT $\wedge$ to choose sub-item (Contrast - Brightness - RGB Gain...), then using - VOLUME + to increase or decrease the value of selected sub-item. When you complete the adjustment, press MENU button to exit sub-menu to select other items. You can press MENU again to exit OSD setting.



Press MENU to enter sub-menu as following and using - VOLUME + button to select items (Advance). Press $\vee$ / SELECT $\wedge$ to choose sub-item, then using - VOLUME + to increase or decrease the value of selected sub-item. When you complete the adjustment, press MENU button to exit sub-menu to select other items. You can press MENU again to exit OSD setting.



Press MENU to enter sub-menu as following and using - VOLUME + button to select items (OSD). Press V SELECT / \ to choose sub-item (OSD H-Position - OSD V-Position - OSD Time-out - OSD Language), then using - VOLUME + to increase or decrease the value of selected sub-item. You can press MENU while you complete the setting or press MENU again to exit OSD setting.



Press MENU to enter sub-menu as following and using - VOLUME + button to select items (Info). Press V SELECT / \ to choose sub-item (Information - S/W Version), then you can see the information of input signal or s/w version. You can press MENU while you complete the setting or press MENU again to exit OSD setting.

1. Press MENU key on screen display as follow: Picture, Advance, OSD, INFO
2. Press - VOLUME + key to choose 4 items and use V SELECT / \ key to enter sub menu individually as following. You can pick one sub-item to adjust its value via - VOLUME + key. While you indicated that item, the display status will change based on your adjustment. You can press menu key again to exit OSD setting.

Contrast:

Press the -VOLUME+ button to decrease or increase contrast. Adjust the overall image and background screen contrast.

Brightness:

Press the -VOLUME+ button to decrease or increase brightness. Adjust the overall image and background screen brightness. Adjust the image brightness in relation to the background.

R Gain:

Select icon and press -VOLUME+ button to change the gain of red.

G Gain:

Select icon and press -VOLUME+ button to change the gain of green.

B Gain:

Select icon and press - VOLUME+ button to change the gain of blue

Color temperature:

Select this icon to adjust color temperature which setting between: Standard - User - Warm - Cool - select 9300, 7300, 6500, User as below.

9300: Cool: Tend to blue tone.

7300: Warm: Standard.

6500: Hot : Tend to red.

Auto Adjustment:

Auto adjust current display mode. Phase to get proper setting. Select this icon and press -VOLUME+ button to proceed.

Phase

To improve focus clarity an image stability. Press the -VOLUME+ button to decrease or increase phase clock.

H-Position (Horizontal Position):.

Select this icon to adjust the horizontal position of the displayed image. Press the -VOLUME+ button to adjust H-Position.

V- Position (Vertical Position):

Select this icon to adjust the vertical position of the displayed image. Press the –VOLUME+ button to adjust V-Position.

OSD H-Position:

Select this icon to adjust the OSD H-Position on the displayed image. Press the –VOLUME+ button to move left or move right OSD position.

OSD V-Position:

Select this icon to adjust the OSD V-Position on the displayed image. Press the –VOLUME+ button to move down or move up OSD position.

OSD Timeout:

Select this icon to set the timeout value of OSD Press –VOLUME+ button to switch timeout value: OFF - 5 Sec - 10 Sec - 15 Sec - 20 Sec and 30 Sec

OSD Language:

Select this icon to set OSD language. Press –VOLUME+ button to switch OSD Language as following: English / Spanish / French / German / Italian / Japanese

Information:

To display current display mode Information for reference, like Horizontal Freq, Vertical Freq, Resolution

S/W Version:

Select this icon to show the software version.

9. Trouble Shooting

Before calling for service, check the information in this section to see if you can remedy any problems by yourself. If you need assistance, please call the dealer where you purchased the LCD monitors.

There is no SCREEN image

The power cord is securely connected to the monitor, the adaptor, and wall outlet.

Check the signal cable connection between the monitor and the computer.

Adjust the brightness and contrast controls.

Monitor is power saving mode, Display image is too large or small.

Use the OSD controls to adjust auto setup.

The colors are distorted

Signal cable properly connected?

Use OSD controls to adjust the color control setting.

The image is too light or too dark

Use OSD controls to adjust the brightness and contrast.

The sound is too Loud or too low

Check the audio cable connector

Make sure the computer sound program is working or not.

Adjust your sound card or computer volume setting.

Adjust the volume control keys on the monitor.

ACCESSORY

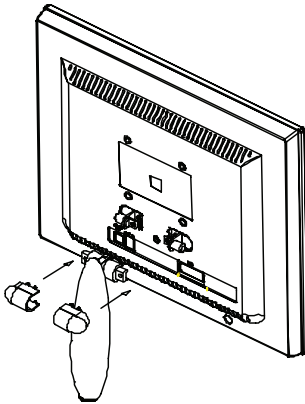
1. RGB CABLE X 1 (1.8M)
2. AUDIO CABLE X 1 (1.8M)
3. POWER CORD X 1 (1.8M)
4. USER MANUAL
5. POWER ADAPTER X 1

10. LCD Wall Mount Assembly Guide

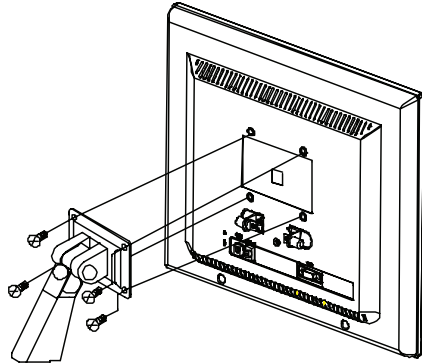
(LCD MONITOR ARM SHOULD BE PURCHASED)

ASSEMBLY GUIDE

ENG



(figure 1)



(figure 2)

1. Remove screws, lids, and foot base, Do not discard any of the parts keep these for future use.
2. LCD Monitor arm assembly procedure.
 - a. Using 6mm screwdriver, fix torque at 11 lbt-ft. Fasten (M4*10L) 4PCS screws to assemble arm and monitor.
 - b. Secure two side of LCD monitor arm to fasten properly.

Caution:

1. Purchase 75mm*75mm VESA Standard interface.
2. LCD monitor arm is only for LCD monitor use. Do not hang other things on this arm.
3. If you are missing any of the parts, contact the store where you purchased the goods.