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FEDERAL COMMUNICATIONS COMMISSION(F.C.C)STATEMENT

This equipment has been tested and found to comply with the limits of 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:

1. Reorient/Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

CAUTION:

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

IMPORTANT SAFEGUARDS

Warnings::

1. Read all of these instructions.
2. Unplug this monitor from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
3. Do not use this monitor near water. For example near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc...
4. Do not place this monitor on an unstable cart, stand, or table. The monitor may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer or sold with monitor. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.
5. Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to insure reliable operation of the television receiver and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the monitor on a bed, sofa, rug, or other similar surface. This monitor should never be placed near or over a radiator or heat register. This monitor should not be placed in built-in installation such as a bookcase unless proper ventilation is provided.
6. Do not allow anything to rest on the power cord. Do not locate this monitor where the cord will be abused by persons working on it.
7. Never push objects of any kind into this monitor through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the monitor.
8. Do not attempt to service this monitor yourself since opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
9. Unplug this monitor from the wall outlet 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 monitor.
 - c. If the monitor has been exposed to rain or water.
 - e. If the monitor has been dropped or the cabinet has been damaged.
 - f. When the monitor exhibits a distinct change in performance this indicated a need for service.

Introduction

1.1 Features

- Multi-scanning at horizontal frequencies of 31KHz to 60KHz and vertical frequencies of 56Hz to 75Hz.
- Microprocessor based with OSD (On Screen Display) control.
- Compatible with standard IBM VGA ,extended VGA,super VGA, IBM XGA modes, as well as VESA resolution standards.
- Universal power supply.
- TCO 99 compliant.
- Microsoft windows 9x/2000 compatible & VESA Display Data Channel (DDC)1/2B compatible.

1.2 Checking List

Please make sure the following items are included with your LCD monitor:

- Your monitor
- AC Adapter
- AC Power cord
- Signal cable
- audio cable

If any of these items are missing ,please contact with your dealer for technical support and customer service.

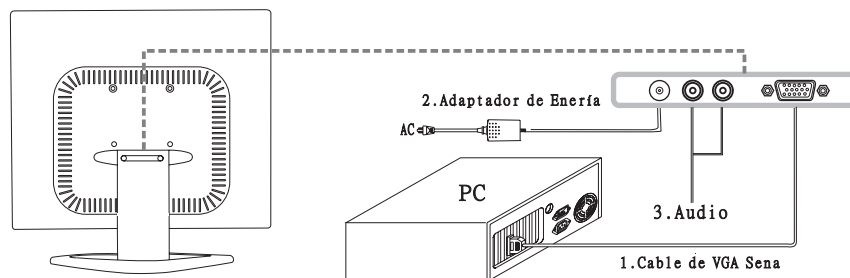
Note:

Be sure to save original box and all packing material for transport in future if the monitor need .

Installation

2.1 Connect your monitor to computer

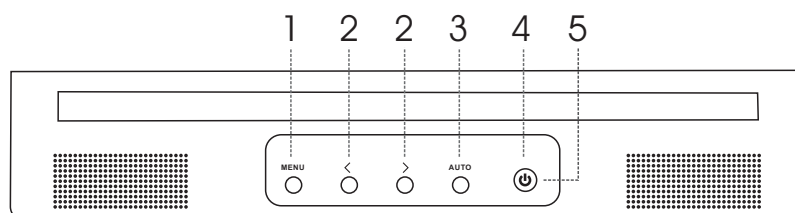
1. Turn off your computer and unplug its power cable.
2. Connect the signal cable to the video port on the back of your computer.
3. Connect the power cable for your monitor to the DC adapter and connect the adapter the DC power jack on the back of your monitor. You must use the supplied adapter.
4. Plug the computer and monitor power cables into a nearby outlet.
5. Turn your computer and monitor on , if your monitor display an image , you have successfully installed the monitor. If the monitor does not display an image ,check all the connections.



Connecting the monitor to the computer and the power supply

Over view of your monitor

3.1 Front Panel over view



1.Menu Button

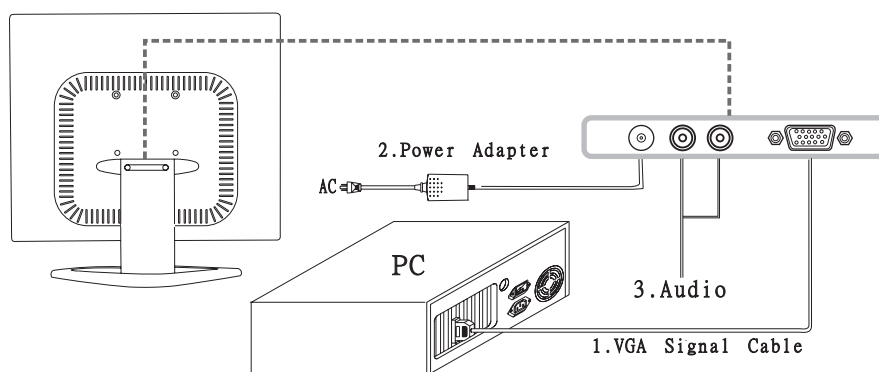
4.Power Button

2.Select Button

5.Power indicator

3.Auto Button

3.2 Rear panel over view



1. Signal cable

3. Audio in

2. Power jack

OPERATION Direct - Access Features

4.1 Power ON/OFF Switch

This button is used to turn the monitor on and off.

4.2 Power Indicator

This indicator lights up green when the monitor operates normally. If the monitor is in power saving mode, this indicator changes to amber when the monitor is turned off, this indicator changes to dark.

4.3 Volume

This feature adjusts the < button to increase the volume and adjust > button to decrease the volume.

4.4 Menu Features

The following features can all be accessed using your monitor's on-screen menu system. Once finished, making adjustments to a feature, pushing the exit button to turn off the menu.

Please follow the procedure of selection and adjust an item using the OSD system as below steps for main functions adjustment.

Step1. Press <Menu Button> to activate the OSD menu.

Step2. Press Select Button < or Select Button > to scroll the highlight through the main function list.

Step3. When the desired function is highlighted, press Menu Button a second time, the sub-menu(second page) will appear nearby main menu.

Step4. Press Menu Button and release again, the highlight of adjusted items and scroll bar will change the color from pink to blue.

Step5. To make your adjustment, press < or > clockwise to increase or counterclockwise to decrease the setting.

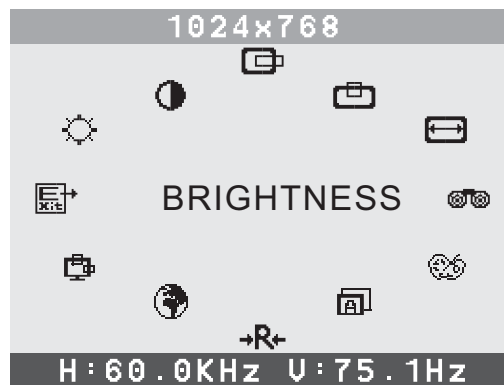
Step6. Press and release Menu Button again to store the change. You can select other function to make adjustment by < or >. Also you can select EXIT icon and press Menu Button again to go back main Menu.








Step7. Repeat step 2 through 6 to make further adjustments.

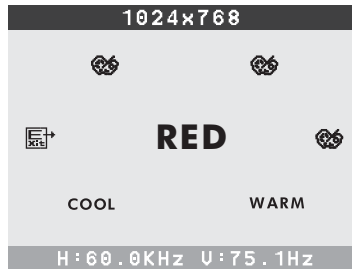
4.5 OSD menu

1. Main menu

OSD main menu of controls gives you an overview of the selection of controls available. When you want to make adjustment of the screen Image , press and release button Menu



2. **Brightness**  Adjust the overall image and background screen brightness.
3. **Contrast**  Adjust the image brightness in relation to the background.
4. **H. Position**  To move the picture image horizontally left or right.
5. **V. Position**  To move the picture image vertically up or down.
6. **H. Size**  To increase or decrease the horizontal size of image.
7. **Phase**  To improve focus clarity an image stability.
8. **Color Select** 
Color Select Menu



Select user mode 

User color you can adjust to individual color gum intensity by yourself. Increase or decrease red ,green or blue depending upon Which color is selected .

Cool

This control adjusts the color temperature of the screen image this item are preset by factory , you can not adjust these setting. The performance is bluer and brighter.

Warm

The performance is redder and closer to paper white.

9. Auto 

Auto adjust display mode to its utmost performance according to VGA setting. In the event of the display image needs further adjustment .

10. Reset 

Reset the currently highlighted control to the factory setting . User must be using factory preset video mode to use this function.

11. Language 

You can choose one of the seven language you need.

12. OSD 

You can choose where you would like OSD image to appear on your screen.

H-Position : 

To move the OSD image horizontally left or right.

V-Position : 

To move the OSD image vertically up or down.

Exit : 

To exit the sub menu

4.6 Preset Modes Timing Chart

Resolution	Horizontal	Vertical
720X400	31.47KHz	70Hz
640X480	31.47KHz	60Hz
640X480	37.86KHz	72.8Hz
640X480	37.5KHz	75Hz
800X600	37.88KHz	60.3Hz
800X600	48.08KHz	72.2Hz
800X600	46.87KHz	75Hz
1024X768	48.36KHz	60Hz
1024X768	56.48KHz	70.1Hz
1024X768	60.02KHz	75Hz

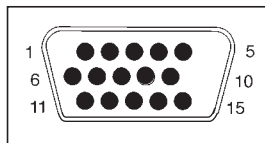
5.1 Products Specifications

Inch Size	15
Max. Resolution	1024*768@75Hz
Recommend Resolution	1024*768@60Hz
Horizontal Freq.	31-60KHz
Vertical Freq.	56-75Hz
Active Display Area	304*228mm
DOT Pitch	0.297*0.297mm
Display Color	16.7M
Contrast Ratio (Typical)	500
Luminance of White	300 cd/m ²
Bandwidth	80MHz
User Control	4 Key Sw
OSD Functions	Brightness, Contrast, H-position, V-position H-Size, Phase, Color, Auto, Reset, Language, OSD, Exit,
View Angle	140 degree 120degree
Adapter power input	100V to 240V
Power Consumption(under)	36W
Connector Signal	D-sub 15Pin
Safety & EMI	UL/CUL, TUV/GS, CE, FCC/DOC CB, VCCI, TCO99, BSMI, C-Tick, B Mark, PSB, CCC, 13406-2
Dimension(Packing)	418(W)x421(H)188(D)mm
Weight Gross/Net	4.8KG/3.3KG
Multimedia Feature	2W+2W
Input Sensitivity	220mV

Technical Information

5.2 Signal connector pin assignment

PIN	Signal(D-sub)	PIN	Signal(D-sub)
1	Red	9	5 V _{DC}
2	Green	10	Ground
3	Blue	11	Ground
4	Ground	12	SDA (FOR DDC)
5	Self Test	13	H. Sync
6	Red Ground	14	V. Sync
7	Green Ground	15	SCL (FOR DDC)
8	Blue Ground		



Signal connector

5.3 Troubleshooting

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 monitor.

There is no SCREEN image

- ◆ The power cord is securely connected the monitor, the adaptor, and the wall outlet.
- ◆ Check the signal cable connection between the monitor and the computer.
- ◆ Adjust the brightness and contrast controls.
Monitor in 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.

There is no sound or sound is low

- ◆ Check the sound cable connection
- ◆ Make sure the computer sound program is working
- ◆ Adjust the volume on sound setting. Adjust your sound card or computer volume setting.
- ◆ Adjust the volume control keys on the monitor