Wytech

HL710S

User 's Manual

High Resolution
TFT LCD Monitor

WOO YOUNG Telecom CO.,LTD.

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, with can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

- Reorient or 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.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.

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1 Before setting up

This is 17.0 inch TFT-LCD monitor. Before setting up the LCD Monitor, please read this manual to help your understanding of the LCD Monitor.

Brief Specification of LCD Monitor

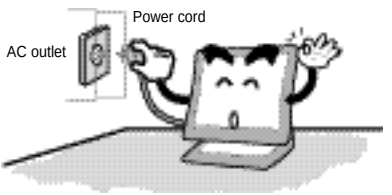
- Resolution : 17.0 inch SXGA (1280 X 1024@75Hz)
- Color display : 16,777,216 colors
- DPMS (Display Power Management Signaling)
- OSD (On Screen Display)
- Auto Configuration : Hot key
- DDC 1/2B : Plug & Play

Notice

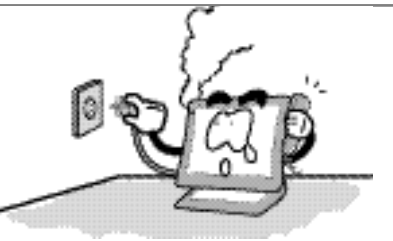
According to PC system, DDC 1/2B may not be supported. If you meet Error message,check your video card which compatibility with DDC. If you eant to know more information, please contact our service center.

Precautions

⚠ Warning : The following information will help you avoid the risk of electric shock, serious injury, and death.



Plug the power cord into a properly grounded outlet.
There is the risk of electric shock.



If you hear a noise or smell smoke from the computer or adaptor, unplug the power cord immediately, and call the service center.
There is the risk of electric shock or fire.

Do not overload an electrical outlet with too many devices.
There is the risk of fire.

Do not unplug from the outlet by pulling the power cord or when your hands are wet.
There is the risk of electric shock and fire.

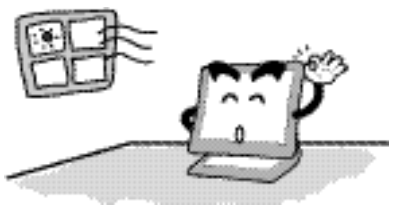
Do not bend the power cord excessively or place heavy objects on it. Keep children and pets away from the power cord as they may damage the power cord. There is the risk of electric shock and fire.

Do not use a damaged power cord or plug. Make sure the plug fits snugly into the outlet.
There is the risk of electric shock or fire.

Do not expose the monitor to the direct sun light.

Keep the monitor away from high temperature, humidity, and dust.

- Operating environment= 0 ~ 40degrees Celsius
- Operating environment= 30 ~ 80relative humidity.

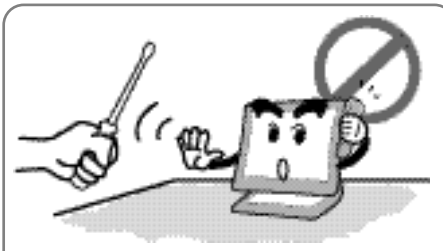


Do not block the fan louvers.

There is the risk of fire or damage to the monitor.

Do not allow any object or liquid to enter inside the monitor.

There is the risk of electric shock, fire, or damage to the monitor.



Do not attempt to disassemble, fix, or modify the monitor.

There is the risk of electric shock or fire.

⚠ Caution : The following information will help you avoid the risk of minor or moderate injury, or damage to the monitor.

Use a proper voltage/current level indicated

Do not clean the LCD with abrasive chemicals.
There is the risk of damage to the LCD.

Do not scratch and damage the LCD with sharp objects.

Keep the monitor away from objects and electrical appliances that may generate electromagnetic fields.

Place the monitor on a flat, stable surface. The monitor may fall and there is the risk of damage or injury

Unplug the power cord when the monitor is not in use for a prolonged period of time.

Instruction for Cleaning the Monitor

Make sure the power cord is unplugged.
Do not spill or pour liquid on the monitor.

● Cleaning the LCD panel

1. Use a clean, soft cloth to wipe off dust from the LCD.
2. If still not clean, wipe the LCD with a clean soft cloth with a small amount of glass cleaner? without alcohol or ammonia.

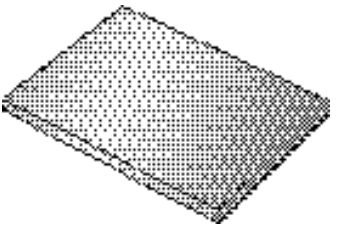
● Cleaning other parts of the monitor

1. Use a clean, soft cloth to wipe off dust from the monitor.
2. If still not clean, wipe the LCD with a clean soft cloth with a small amount of glass cleaner? without alcohol or ammonia.

● Caution

Do not use alcohol or ammonia based cleaning products. Abrasive chemicals, such as alcohol or ammonia, may damage the monitor. The company is not responsible for the damages to the monitor caused by the use of alcohol or ammonia based cleaning products.

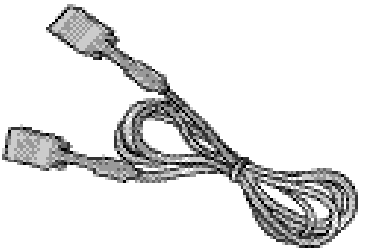
2 Items



User Manual

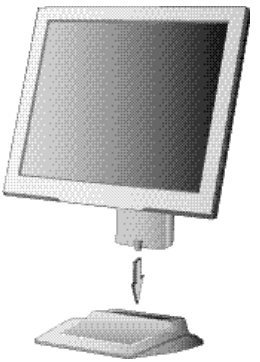
LCD Monitor

Power cord



15-pin D-Sub Signal Cable

Stand



※Push the hook until hanging

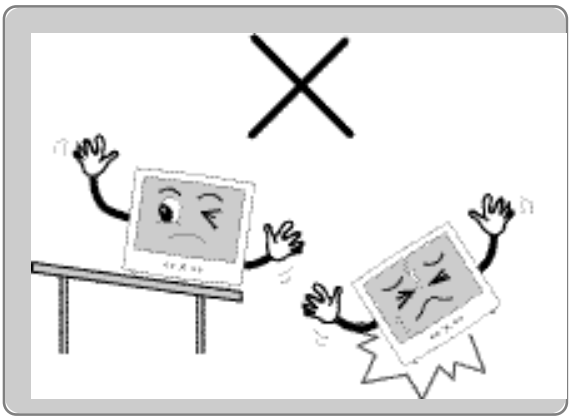
Notice

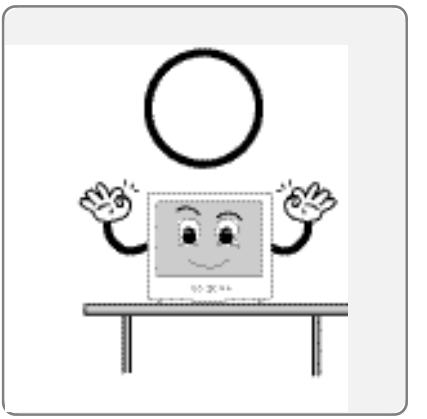
Please make sure the following items are included with your monitor.
If any items are missing, contact your dealer.

3 Setting up the LCD monitor

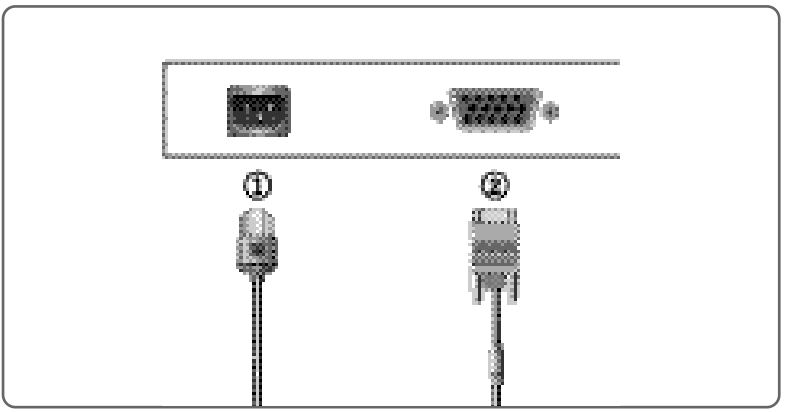
Where is a good place to position the monitor?

Place the LCD monitor on a solid and flat surface. If dropped, the screen can be damaged easily.





How to connect the power cord and the several cables to the LCD monitor.



No.	Name	Cable connections
1	Power	Power Cord
2	PC	15-pin D-Sub Signal Cable

Plug & Play

The adoption of the new VESA Plug and Play solution eliminates complicated and time consuming setup. It allows you to install your monitor in a Plug and Play compatible system without the usual hassles and confusion. Your PC system can easily identify and configure itself for use with your display. This monitor automatically tells the PC system its Extended Display Identification Data (EDID) using Display Data Channel (DDC) protocols so the PC system can automatically configure itself to use the flat panel display.

Warm-up Time

All LCD monitors need time to become thermally stable whenever you turn on the monitor after letting the monitor be turned off for a couple of hours. Therefore, to achieve more accurate adjustments for parameters, allow the LCD monitor to be warmed up for at least 20 minutes before making any screen adjustments.

4 Adjusting The Monitor

The Function Control Buttons

How to use the function Key.

1. First click : The OSD main menu appears.
2. Second click : The OSD menu disappears.

1. Select a command function.
2. When you push Auto button, this will optimize image quality automatically.

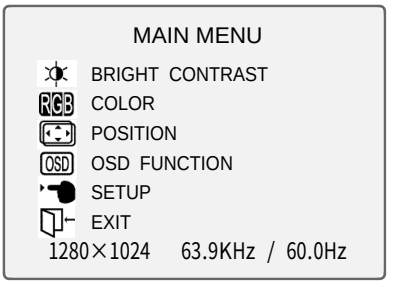
Down : 1. Automatic adjust color(white level) for various input source's white level
2. Move the on-screen highlighted command item to the next one.
3. Decrease the current option value.

UP : 1. Move the on-screen highlighted command item to the Previous one.
2. Increase the current option value.

Power On/Off toggle button.

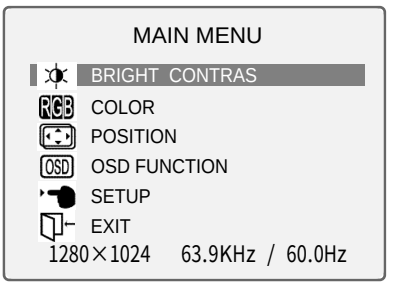
Main OSD Menu

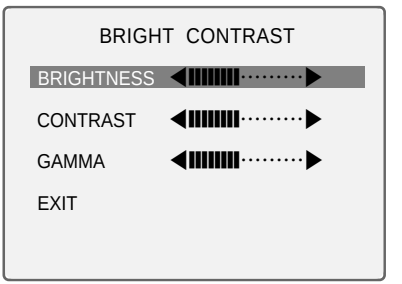
When you push the menu button, you can see below main OSD menu.



BRIGHTNESS/CONTRAST

- Brightness : Changes the overall light intensity of the images being displayed.
- Contrast : Changes the ratio of light intensity between the brightest white and darkest black.
- Gamma : Change the gamma value.



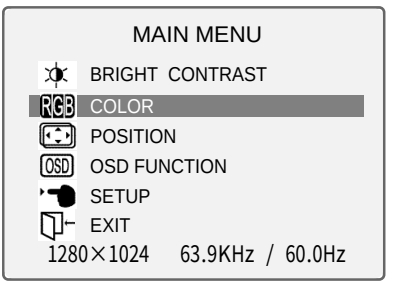


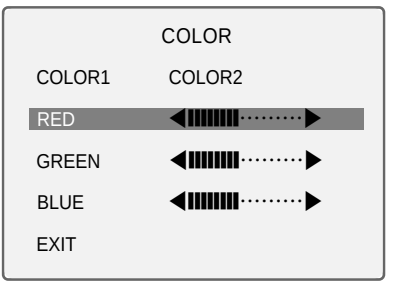
Notice

Adjusting Gamma Value is useful in case of game or movie screen.

COLOR

- The tone of color can be changed form bluish white to reddish white.
- Color1 - Blue type
- Color2 - Red type
- RED, GREEN, BLUE - You can adjust red, green and blue values that you want.

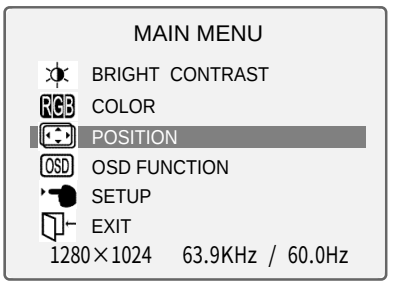


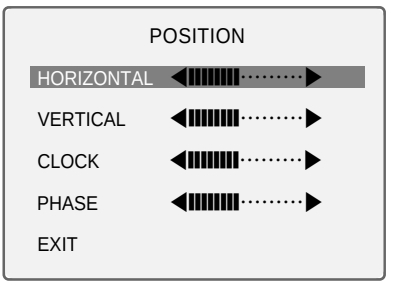


POSITION & CLOCK/PHASE

CLOCK/PHASE

- When image is not clear, you can use clock/phase menu.
- PHASE/ CLOCK : Although 'Auto Adjustment' automatically finds the optimum values of Clock and Phase parameters as well as image position, it may be necessary for you to adjust those parameters manually. It is recommended for you to use 'Auto Adjustment' first. If the adjustment results are not satisfactory, then use Clock and Phase adjustment features to get the best adjustment results. Bear in mind that Clock and Phase adjustment may change the width of the image and affect image position as well. If the image is clear while out of center by a couple of pixels, use image position to center the image.





POSITION

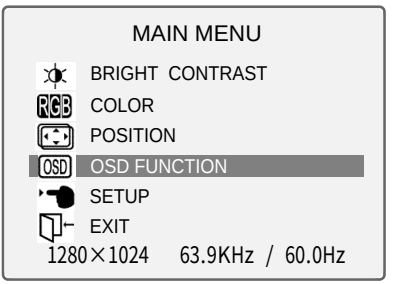
- Changes the location of the image.
- H-Position : Moves to the Left/Right
- V-Position : Moves to the Bottom/Top

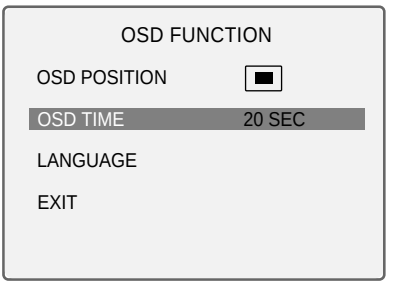
Notice

If image is not clear (noise), you can adjust Clock/Phase.

OSD FUNCTION ADJUSTMENT

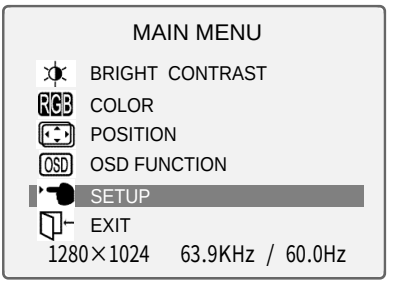
- Sets the OSD menu display position.
- OSD Position : Moves the OSD menu to the horizontal or vertical direction.
- OSD TIME : Shows the OSD TIME displays from 5 to 60sec.
- LANGUAGE : Select language in OSD menu.

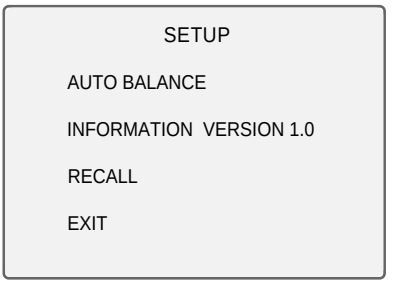




SETUP MENU

- White balance : Automatic djust color (white level) for various input source's white level.
- Information : display monitor's information.
- Recall : Discards current setting and replaced all paramotors with the factory default values.





5 Appendix

Display Modes

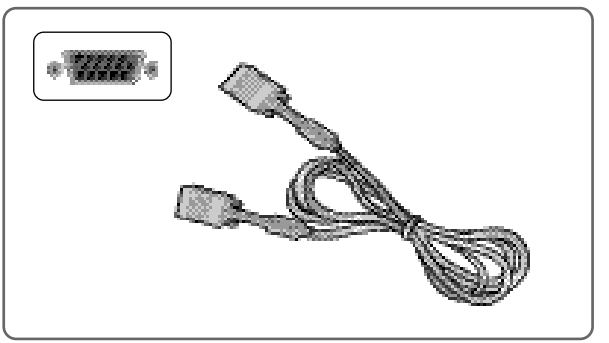
Mode	Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)	Pixel Clock Frequency(MHz)	Sync Polarity(H/V)
VGA	720 X 400	31.468	70.087	28.322	-/+
	640 X 480	31.468	59.940	25.175	-/-
		35.000	66.670	30.240	-/-
		37.500	75.000	31.500	-/-
SVGA	800 X 600	37.879	60.300	40.000	+/+
		48.077	72.188	50.000	+/+
		46.875	75.000	49.500	+/+
XGA	1024 X 768	48.363	60.004	65.000	-/-
		56.476	70.000	75.000	-/-
		60.023	75.029	78.750	+/+
SXGA	1280 X 1024	63.981	DC12V	108.000	+,-/+,-
		79.976	DC12V	135.000	+/+

※ The optimal resolution is 1280*1024/60Hz.

15-pin D-Sub Connector

- Input signal : Analog RGB
- 15-pin D-Sub connector

Pin No.	Signal Name	Pin No.	Signal Name	Pin No.	Signal Name
1	Analog Red Input	6	Analog Red Ground	11	Ground
2	Analog Green Input	7	Analog Green Ground	12	DDC Data
3	Analog Blue Input	8	Analog Blue Ground	13	Horizontal Sync
4	Ground	9	No Connect	14	Vertical Sync
5	DDC Ground	10	Sync Ground	15	DDC Clock



15pin D-Sub Signal Cable

DPMS Power Saving Mode

This monitor has a built-in power management system called DPMS Power Saving Mode. This system saves energy by switching your monitor into a low-power mode when it has not been used for a certain period of time. The available modes are “ON”, “Standby”, “Suspend”, and “OFF”.

State	Signal			Power Consumption	Recovery Time	LED Color and Operting status
	H-sync	V-sync	RGB			
ON	Active	Active	Active	Under 25Watt	-	Green
Stanby mode	Inactive	Active	Blanked	Less than 5Watt	Within 2Sec	Amber
Suspend mode	Active	Inactive	Blanked			Amber
OFF	Inactive	Inactive	Blanked			Amber

6 Troubleshooting

What you see	Suggested Actions
Screen is blank and power indictor is off	Ensure that the power cord is firmly connected and the LCD monitor is on.
“out of range” message	• Check the maximum resolution and the frequency of the video adaptor. • Compare these values with the data in the Display Modes Timing Chart.
“No signal input” message	• Ensure that the signal cable is firmly connected to the PC or video sources. • Ensure that the PC or video sources are turned on.
Image is not stable and may appear to vibrate	• Check that the display resolution and frequency from your PC or video board is an available mode for your monitor. On your computer check : Control Panel, Display, Settings • Note : Your monitor supports multiscan display functions within the following frequency domain:
The image is too light or too dark	• Adjust the Brightness and Contrast. • Refer to the Brightness/Contrast
The image color is not good	• Adjust the Color • Refer to the Color
Image is not centered on the screen	• Executes Auto Configuration.
Screen is blank and power indicator light is steady amber or blinks every 0.5 or 1 seconds	• The monitor is using its power management system. • Move the computer’s mouse or press a key on the key-board.

Appendix A. Specifications

Panel	Type	TFT active matrix
	Size	17 inch
		337.92×270.336(mm)
	Pixel Pitch	0.264×0.264(mm)
	Display Color	8-bit (16,777,216 colors)
Display Resolution	Basic	1280×1024@60Hz
	Maximum	1280×1024@75Hz
Frequency	Horizontal	31.5~80KHz
	Vertical	56~75Hz
Sync Signal		TTL, P. or N.
Tilting Degree (U/D)		-5 °~30 °Degree
Plug&Play		VESA DDC 1/2B
Power	Input	Internal type ; 90~265VAC
	Consumption	Under 40W
	Standby mode	5W less
Power Management		VESA DPMS
Environmental Consideration	Temperature	0~40 ℃ (32 ℉~104 ℉)
	Humidity	90% less
Dimensions	Outside	387.5mm(W)×396mm(D)×185mm(H)
Weight	Monitor	3.9kg
	Carton	1.4kg

※ The specification of this monitor is subject to be changed without notice to improve performance.

WOO YOUNG Telecom CO.,LTD.

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