

User's Guide

H550(B15HF)

TFT-LCD Monitor

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■ Regulatory Information - FCC Information

This equipment has been tested and found to comply with 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 can generate, use, and 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 unacceptable interference to radio and 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 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.

Caution

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

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

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

As an ENERGY STAR partner, Hansol Electronics Inc. has determined that this product meets energy Star guidelines for energy efficiency.

Notice

The information contained in this document is subject to change without notice.

- Canadian Notice

- Avis Canadien

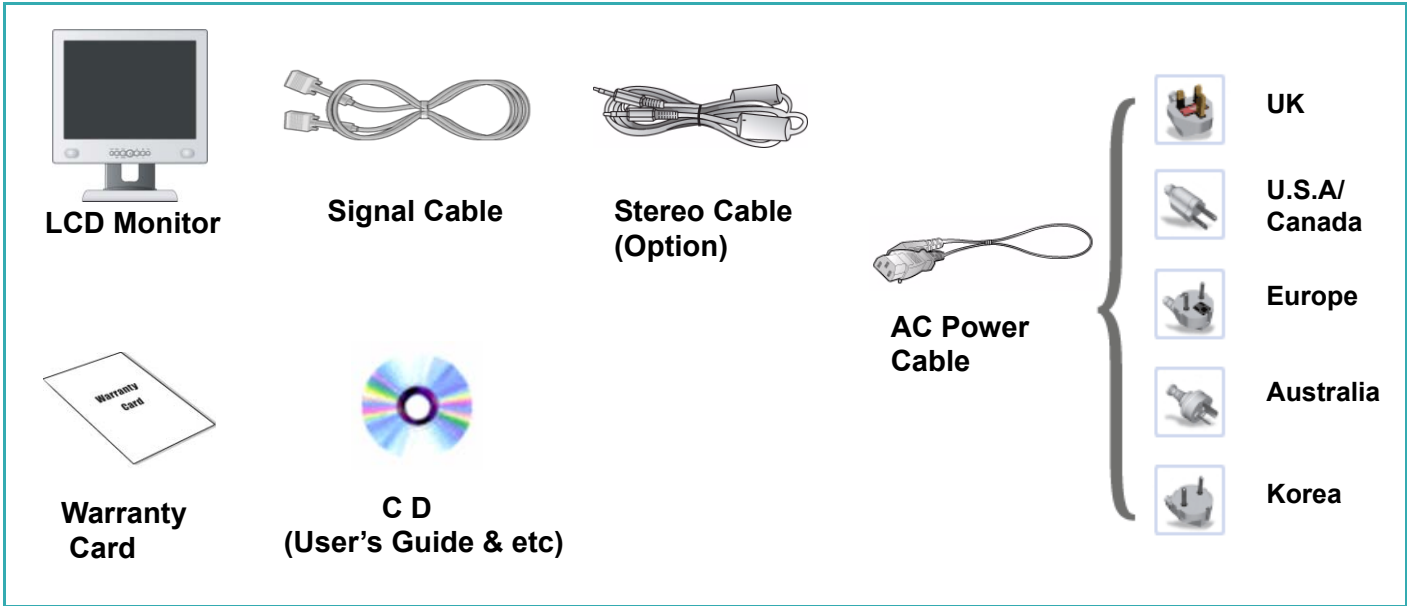
- Energy Star

TFT-LCD Monitor

■ Introduction

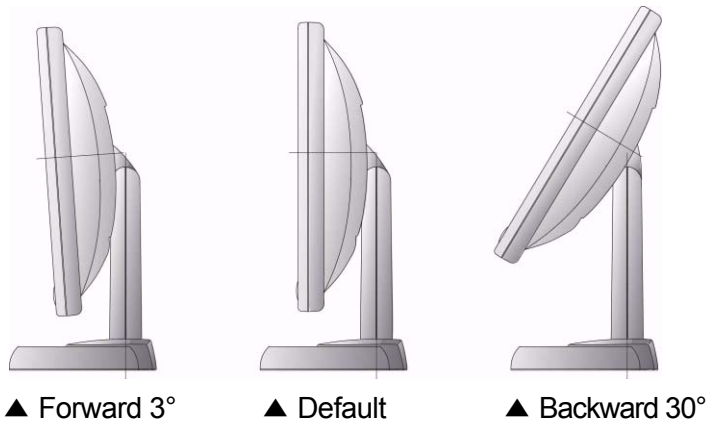
- Package

Congratulations on your purchase of this top quality color monitor!
The items illustrated below are contained in the carton.
First, be sure that your carton includes all of them.
If any items are missing or damaged, please contact your local dealer or supplier.



- The range of control Angle

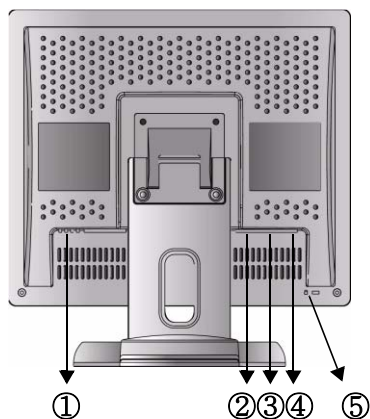
How to Adjust the Stand



■ Introduction

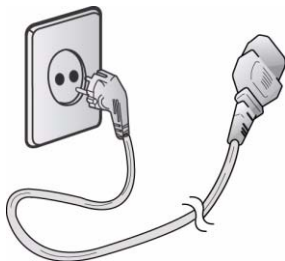
- Connection to Signal Source

Basic Connection



- ① Port for AC power cable.
- ② Port for Audio cable from audio source.
- ③ Port for Head Phone or External Speaker.
- ④ Port for signal cable from signal source.
- ⑤ Kensington Lock.

<Power Source Connection>



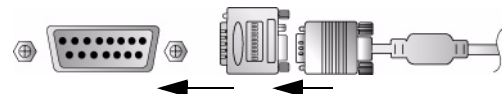
1. Use 220V or 110 V.(Free Voltage)
2. Connect monitor and Signal Source via Signal cable.
3. Power on the monitor and computer.
4. Connection is finished.

<Signal Cable Connection>

■ General

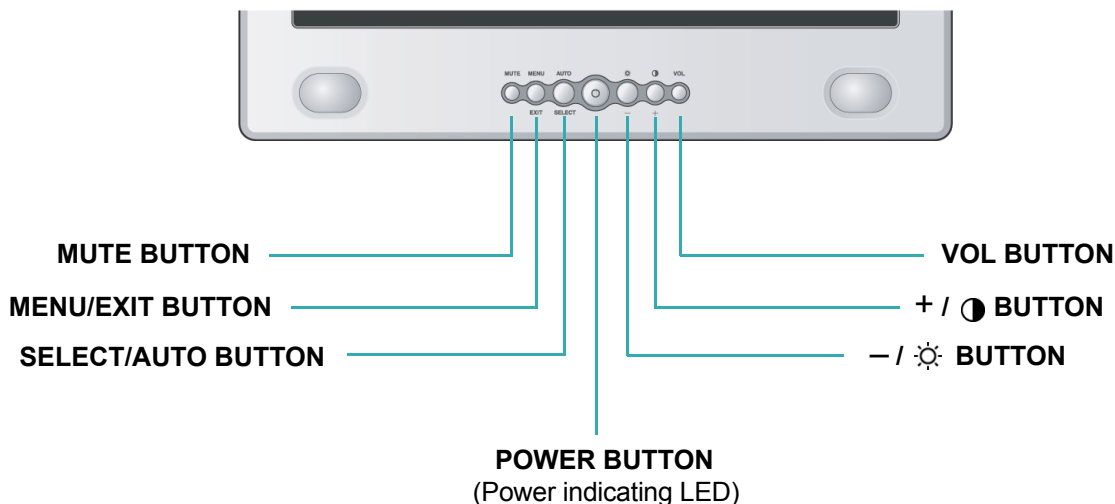


■ For Macintosh



Adapter for Macintosh(Optional)
Refer to the table on the rear side of the optional Macintosh adapter and adjust DIP switch by the resolution.

■ Controls - Front panel



- Functions

Power button

- Power button is located in the lower center of the Front Bezel.
- You can push the button to turn on/off the power.

Power Indicating LED

- Dark : Power off
- Green : Normal mode
- Green blinking : DPMS mode or Check Signal Cable mode.

On Screen Display(OSD) Function Button

OSD buttons on the front of bezel perform the following functions.

- MUTE : Press this button for mute control.
- MENU/EXIT : Press this button to display menus. If you press this button when OSD is displayed, you can switch display to the previous menu and exit menu.
- SELECT/AUTO : Press this button, when OSD is not displayed, to perform automatic setting. When OSD is displayed, You can select icons.
- POWER : Power button.
- + / [sun icon] , - / [moon icon] : By pressing these button when OSD is displayed, You can move cursor into the menus which you want. After press the SELECT button, you can change gauge level or select submenus. When OSD is not displayed, you can adjust brightness or contrast.
- VOLUME : Press this button for volume control.

■ Controls - Adjusting OSD

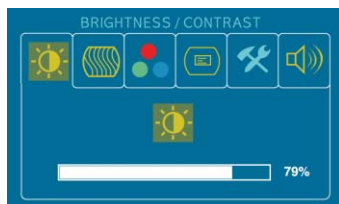
Brightness & Contrast



MENU → - + → SELECT

1. Press the MENU button to access main menu.
2. Use -,+ to move Brightness and Contrast ICON.
3. Press SELECT button into the submenu.

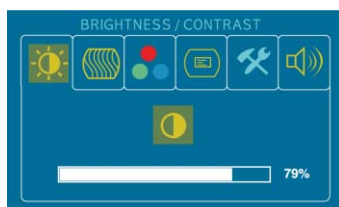
Brightness



- + → SELECT → - +

1. Use -,+ to move Brightness ICON.
2. Press SELECT button to select it.
3. Use -,+ to adjust the brightness.

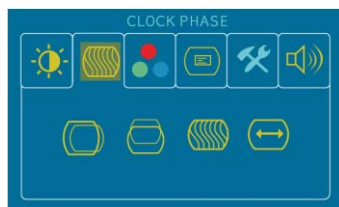
Contrast



- + → SELECT → - +

1. Use -,+ to move Contrast ICON.
2. Press SELECT button to select it.
3. Use -,+ to adjust the contrast.

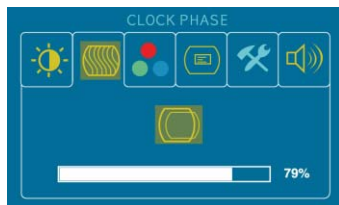
Clock Phase



MENU → - + → SELECT

1. Press the MENU button to access main menu.
2. Use -,+ to move Image ICON.
3. Press SELECT button into the submenu.

Horizontal Position

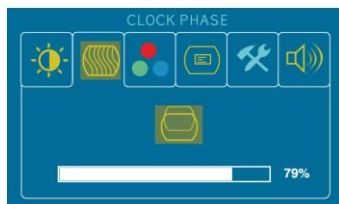


— + —→ **SELECT** —→ — +

1. Use —,+ to move H-Position ICON.
2. Press SELECT button to select it.
3. Use —,+ to adjust display left or right.

According to the characteristic of video card, control range can be changed.

Vertical Position

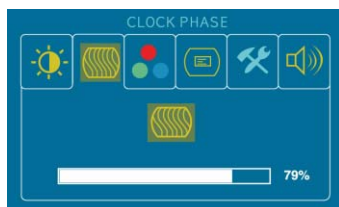


— + —→ **SELECT** —→ — +

1. Use —,+ to move V-Position ICON.
2. Press SELECT button to select it.
3. Use —,+ to adjust display upward or downward.

According to the characteristic of video card, control range can be changed.

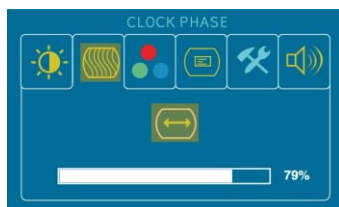
Phase



— + —→ **SELECT** —→ — +

1. Press —,+ to move Phase ICON.
2. Use SELECT button to select it.
3. Use —,+ to correct fine trembling or Video noise.

Clock

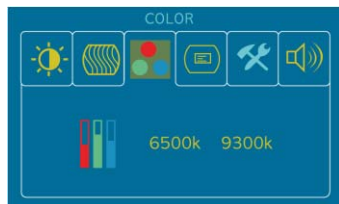


— + —→ **SELECT** —→ — +

1. Use —,+ to move Clock ICON.
2. Press SELECT button to select it.
3. Press — or + to remove vertical noise.

(Adjusting clock phase is required after the adjustment of clock.)

Color



MENU → **- +** → **SELECT**

1. Press the MENU button to access main menu.
2. Use -,+ to move Color ICON.
3. Press SELECT button into the submenu.

Preset Color



- + → **MENU**

1. Use -,+ to select the Mode 1, and Mode 2.
2. Press the MENU button to return previous state.

Mode 1 : Reddish white Mode 2 : Bluish white

User Color



- + → **SELECT** → **- +**

1. Use -,+ to move User color ICON.
2. Press SELECT button to select it.
3. Use -,+ to increase or decrease each color.

OSD



MENU → **- +** → **SELECT**

1. Press MENU button to access main menu.
2. Use -,+ to move OSD ICON.
3. Press SELECT button into the submenu.

OSD H-Position



- + → SELECT → - +

1. Use -,+ to move OSD H-Position ICON.
2. Press SELECT button to select it.
3. Use -,+ to adjust OSD left or right.

OSD V-Position



- + → SELECT → - +

1. Use -,+ to move OSD V-Position ICON.
2. Press SELECT button to select it.
3. Use -,+ to adjust OSD upward or downward.

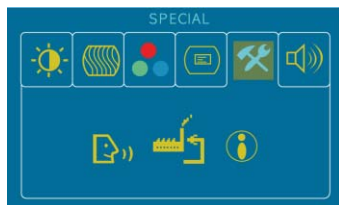
OSD Time



- + → SELECT → - +

1. Use -,+ to move OSD Time ICON.
2. Press SELECT button to select it.
3. Use -,+ to adjust OSD display time.
4. Press Menu button to return main menu.

Special



MENU → - + → SELECT

1. Press the MENU button to access main menu.
2. Use -,+ to move Special ICON.
3. Press SELECT button into the submenu.

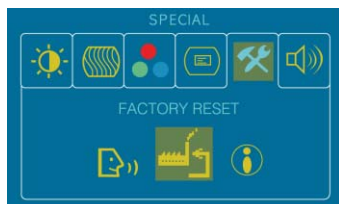
Language



MENU → **- +** → **SELECT** → **- +**

1. Use -,+ to move Language ICON.
2. Press SELECT button to select it.
3. Use -, + to select language.

Factory Reset



- + → **SELECT**

1. Use -,+ to move the Factory Reset ICON.
2. Press SELECT button to return to default setting

Information



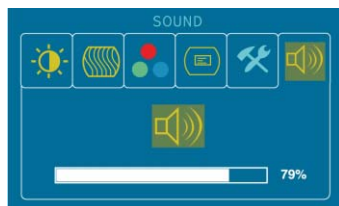
MENU → **- +** → **SELECT**

1. Use -,+ to move the Information ICON.
2. Press SELECT button to select it.

You can know display information

* According to the characteristic of video card, display information can be incorrect.

Sound(Optional)



MENU → **- +** → **SELECT or VOL BUTTON**

1. Use -,+ to move Sound ICON.
2. Press SELECT button to select it.
3. Use -,+ to control volume.

TFT-LCD Monitor

Power Management Feature

The monitor is equipped with a power saving circuit that confirms to the world-standard Display Power Manager Signalling (DPMS) mode of Video Electronics Standard Association(VESA).
 The power management feature requires that the video card of the computer should support DPMS function.

Status	LED Sign	Power Consumption
Normal mode	Green ON	Normal Power
DPMS mode	Green Blinking	1 W or Below

DPMS with Audio(Optional)	
Mute ON	1W or Below
Mute OFF	10W or Below

No image is displayed with Green blinking.

Monitor is in power saving mode.
 Use mouse or keyboard to release power saving mode.

No image is displayed without LED on.

Power cable plug must be pulled out.
 Check the power plug on monitor and on the wall.

"Out of range" displayed on the screen.

This message is displayed when the signal from video card exceeds the maximum frequency of the monitor. Readjust resolution and frequency in accordance with the monitor capacity.(Refer to Standard Signal Table)

Standard Signal Table

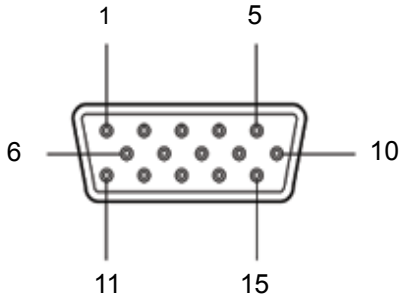
Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)	Clock Frequency (MHz)	Sync Polarity (H/V)
VGA (720 x 400)	31.469	70.087	28.322	- / +
VGA (640 x 480)	31.469	59.940	25.175	- / -
VGA (640 x 480)	37.500	75.000	31.500	- / -
SVGA (800 x 600)	37.900	60.320	40.000	+ / +
SVGA (800 x 600)	46.875	75.000	49.500	+ / +
XGA (1024 x 768)	48.363	60.004	65.000	+ / +
XGA (1024 x 768)	60.023	75.029	78.750	+ / +
MAC (640 x 480)	35.000	66.667	30.240	- / -
MAC (832 x 624)	49.726	74.551	57.284	- / -

■ Specifications

ITEM		B15HF
LCD Panel	Type	Amorphous active matrix super TFT LCD
	Screen Size	38.1cm (Diagonal)
	Maximum Resolution	1024 X 768 @ 75Hz
	Pixel Range	0.297mm X 0.297mm
	Display Colors	16.7M Color
	Contrast Ratio	350 : 1
	Viewing Angle	60° / 60° / 40° / 60° (Left / Right / Up / Down)
	Response Time	25 msec
	Luminance	250 cd/m ²
Synchronization	Horizontal Frequency	60 kHz(Max.)
	Vertical Frequency	75 Hz(Max.)
Video Input	Video Signal	Analog RGB (0.714 Vpp) 75 ohm
	Synchronous Signal Mode	H, V Separate TTL Sync.
Power Consumption	Maximum	43 W
	Power Saving Mode	Under 1 W
Contol Key	Front Part	MUTE, MENU/EXIT,SELECT/AUTO, POWER, - / ☀, + / ●, VOL
Audio Output	Normal	1W / Ch
	Max	1.5W / Ch
Power Supply		100~240 Vac(50~60Hz), 0.45A
Wall Mount		VESA Standard
Safety Standard&EMI	Safety Standard	UL, CE, TUV, CB
	EMI	FCC, RRL
	Low Radiation	MPR - II
Dimension	Size and Weight	352 X 156 X 369 / 4.1Kg

■ Pin assignment table D-Sub Mini 15pin connector

Pin No.	Assignment
1	Red Video
2	Green Video
3	Blue Video
4	N.C
5	Ground
6	Red Video Ground
7	Green Video Ground
8	Blue Video Ground
9	5V Input
10	Ground
11	Ground
12	SDA
13	H-Sync.
14	V-Sync.
15	SCL



(15 Pin D-Sub)

■ Troubleshooting

Problem	Solution
Power LED is dark. No picture.	■ Check the power connection (Refer to Introduction)
OSD, “check cable.” is displayed on the screen.	■ Check the computer power is on.
Message, “No cable.” is displayed on the screen.	■ Check the signal cable between monitor and computer. (Refer to Introduction)
Screen looks to be run down.	■ Perform Auto-config.
Screen is not clear.	■ Remove attaches to the signal line(Video extension cable and others) and switch on. ■ Perform Auto-config. ■ Adjust clock and PHASE.
Display is unstable and trembling.	■ Check the resolution and frequency of computer and video card, and set up again refer to the current monitor mode and standard signal mode table.
Color is irregular.	■ Adjust COLOR at User Mode in OSD Color Menu.
Double images or ‘ghosts’.	■ Check the resolution and frequency of computer and video card, and set up again in reference to the current monitor mode and standard signal mode table.
Picture is dark.	■ Adjust COLOR at User Mode in OSD Color Menu.
Picture is biased or cut or too wide.	■ Perform Auto-config.
Power LED turns into Green blinking.	■ Monitor is in DPMS mode.
No SOUND.	■ Check the voice signal connection code or adjust volume.