

USER'S GUIDE

**TFT-LCD MONITOR
(SECURITY)**

**Model: OR1730SH
OR1930SH**

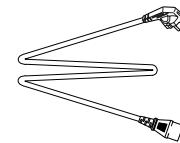
LCD MONITOR
User's Guide Book

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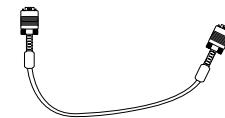
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1. INSTALLATION

1-1 Parts



AC Power Cord



VGA Signal Cable



TFT LCD Monitor



Installation Driver



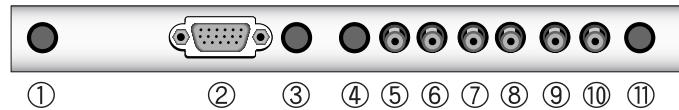
AUDIO CABLE(OPTION)



User's Guide Book

2. FEATURES

1-2 How to install



1. DC in	5. CVBS 1- input	9. AUDIO-L
2. Signal cable from signal source.	6. CVBS 1- output	10. AUDIO-R
3. S-VIDEO input	7. CVBS 2- input	11. Stereo in
4. S-VIDEO output	8. CVBS 2- output	

* SOURCE(HOT KEY) : Monitor displays source of the signal in the order below:
(PC → VIDEO 1 → VIDEO 2 → S-VIDEO)

* WARNING : Tilting more than 10 degrees to the front or 30 degrees to the back
may cause collapse of the product.

2-1 Display Mode

RESOLUTION	H-Frequency(kHz)	V-Frequency(Hz)
640×350	31.47	70.0
720×400	31.47	70.0
	31.47	60.0
640×480	35.00	66.7
	37.86	72.8
	37.50	75.0
	35.16	56.0
800×600	37.88	60.3
	48.08	72.2
	46.87	75.0
832×624	49.73	75.0
	48.36	60.0
1024×768	56.48	70.1
	60.02	75.0
	64.00	60.0
1280X1024	80.00	75.0

2-2 Specifications(17INCH)

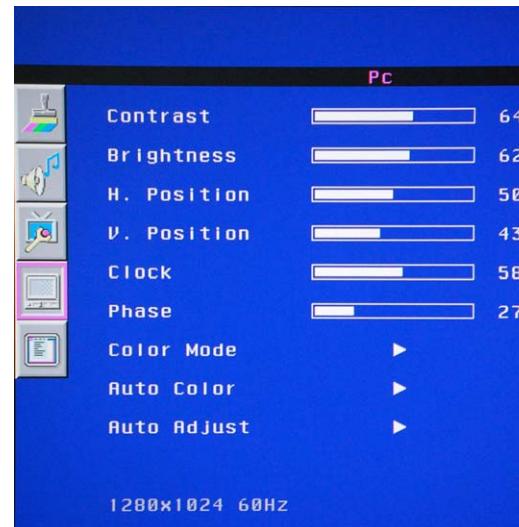
Spec	Details
Screen size	17"
Display size	337.92mm × 270.34mm
Screen coating	Anti-glare & Hard-coating
Pixel pitch	0.264 × 0.264mm
Brightness	300cd/m ²
Contrast scaling	1,000:1
Viewing angle	70/70/75/65 (left/right/up/down)
Response time	5ms
input Signal	Analog RGB, S-VIDEO in/out, CVBS1- in/out, CVBS2- in/out, AUDIO L/R, Stereo in
Speaker(Option)	2W x 2W
H-Frequency	30~81kHz
V-Frequency	55~75Hz
Resolution	1280×1024 @ 75Hz
Power	35W (Normal mode)
Consumption	2W (Power-saving mode)
Product size	438×149×450 (W×D×H)
Weight	Monitor 4.6kg Package 6.5kg

3. OSD(On Screen Display) Setting

2-3 Specifications(19INCH)

Spec	Details
Screen size	19"
Display size	376mm×301mm
Screen coating	Anti-glare & Hard-coating
Pixel pitch	0.294×0.294mm
Brightness	300cd/m ²
Contrast scaling	1,000:1
Viewing angle	70/70/75/65 (left/right/up/down)
Response time	T _f =2msec, T _f =6msec
input Signal	Analog RGB, S-VIDEO in/out, CVBS1- in/out, CVBS2- in/out, AUDIO L/R, Stereo in
Speaker(Option)	2W x 2W
H-Frequency	30~81kHz
V-Frequency	50~75Hz
Resolution	1280×1024 @ 75Hz
Power	45W (Normal mode)
Consumption	2W (Power-saving mode)
Product size	495×155×508 (W×D×H)
Weight	Monitor 5.4kg Package 7.4kg

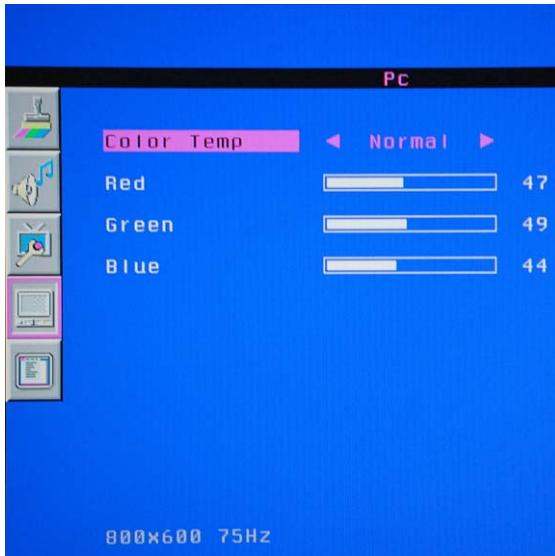
3-1 OSD MENU in PC



Menu PC

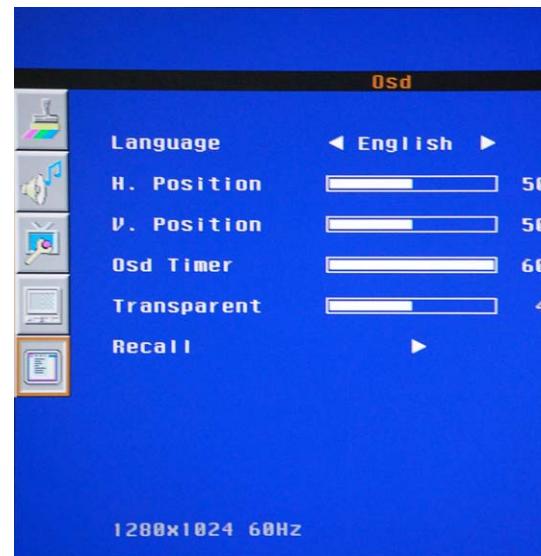
- Contrast : to adjust the brightness and darkness of the object and backgrounds.
- Brightness : to adjust the brightness of the entire picture.
- H-positions : to adjust the horizontal position of picture.
- V-position : to adjust the vertical position of picture.
- Clock : to adjust the horizontal size of the entire screen image.
- Phase : to eliminate the shake of the picture.
- Color mode : to select color tone of the entire picture.
- Auto color : to adjust color (brightness / contrast, etc) automatically.
- Auto adjust : horizontal/vertical positions and phase, clock are automatically adjusted.

3-2 Color Mode



- Normal : for a general color tone.
- Warm : for warm colors with reddish tone.
- Cool : for cool colors with bluish tone.
- User : adjust the color tone with R G B control.

3-3 OSD MENU in PC



Menu OSD

- Language : to select the preferred language.
- H-position : to adjust the horizontal position of OSD window.
- V-position : to adjust the vertical position of OSD window.
- OSD timer : to adjust the time of OSD window display.
- Transparent : to adjust the transparency of OSD window.
- Recall : to recall the initial setting.

3-4 OSD MENU in PC



Menu Function

- Sleep timer : select the sleep time if you want automatically power off on a certain time.
- Key lock : to lock the key function.
Exit from key lock : Please AC power off and on with pushing the menu key.
- Time Cycle : to alternate Video1 and Video2 at the set time.

3-5 Sound



Menu Sound

- Volume : adjust audio volume
- Bass : adjust audio bass
- Treble : adjust audio treble
- Balance : adjust audio balance(left-right)
- Mute : Selects the sound on and off

3-6 OSD MENU in Video or S-video



Menu Picture

- Contrast : to adjust the brightness and darkness of the object and backgrounds.
- Brightness : to adjust the brightness of the entire picture.
- Hue : to adjust colors naturally. This function is activated at NTSC video signal.
- Saturation : to adjust colors to deeper or lighter color.
- Shtrpness : to adjust the sharpness of video image.
- Color temp : -Normal : for a general color tone.
-Warm : for warm colors with reddish tone.
-Cool : for cool colors with bluish tone.
- Scaling : -4:3 : for general picture size.
-Zoom : zoom in vertical direction.
- Picture mode : -Standard : for general contents. It fits most contents.
-Vivid : for a clear display.
-Movie : for movies.
-User : when the user wants to set the values.

3-7 OSD MENU in Video or S-video

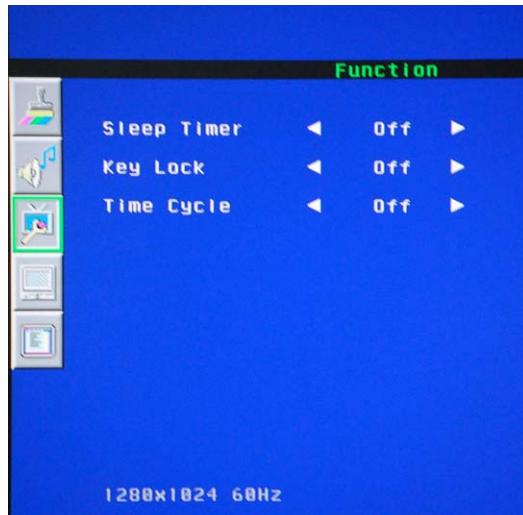


Menu OSD

- The control is same as PC.

4. CONTROL BUTTON

3-8 OSD MENU in Video or S-video



Menu Function

-The control is same as PC.

Menu>Select Auto/Source/Exit ▼ / ▲ ⏹

Menu>Select : Activate the Main menu.
View the next function in the Main menu.
Select the sub menu.

Auto/Source/Exit : Select Mode (Hot Key)
At the PC mode, Push the key over about 1set.
View the previous function in the Main menu.
Exit from Main menu.
Auto adjust (Hot Key, PC mode).
Select Video 1 or 2mode during "Time cycle" action (Hot Key).

▼ : Adjust Contrast / Brightness (Hot Key).
OSD Item Down.
Decrease the value of the specific function which has been selected.

▲ : Volume control (Hot Key) : Push the key over about 1set.
Increase the value of the specific function which has been selected.
Freezer function (Hot Key).

⏹ : Turn on/off monitor.

5. SAFETY INSTRUCTION

* Follow this safety instruction to use the monitor properly and prevent the damages.

* This safety instruction has "Warning" and "Caution" as below.



Warning - If the user does not follow this instruction, it may cause the serious damage to the user or the monitor.

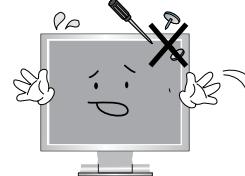


Caution - If the user does not follow this instruction, it may cause the slight damage to the user or cause some damages to the monitor.

* Save this user's guide book for later use

Warning

Never remove the back cover and touch the inside of the monitor. If you need a service, please contact the service center or sales rep.



Keep away the monitor from the direct sunlight and a heating appliance



Never push objects of any kind into this product as they may result in a risk of fire or electric shock

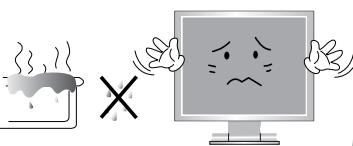


Connect the power code to the wall outlet tightly. If the power code or plug are defective and the wall outlet is not tight, please do not use them

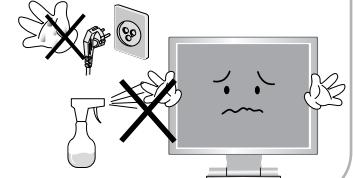


Warning

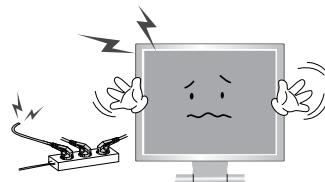
Do not install this monitor on the outside and near water. If may cause damage to the product, electric shock and fire.



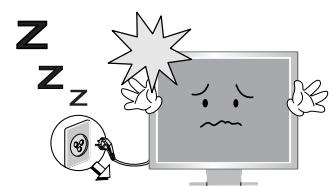
For cleaning, do not use liquid cleaners. Never touch the power plug with wet-hands



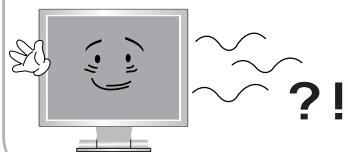
When lightening and thundering, unplug the monitor from the wall outlet and never touch it.



Unplug this product from the wall outlet, when it does not operate for a long time.



When smoking and noising from the monitor, unplug the product from the wall outlet and contact a service center or the sales rep.



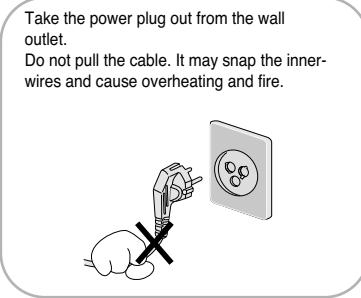
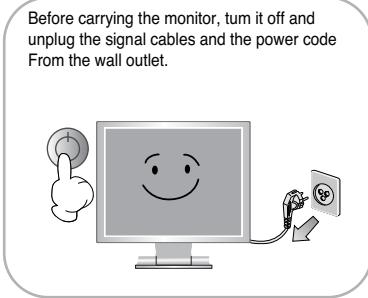
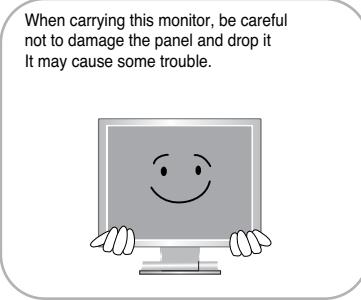
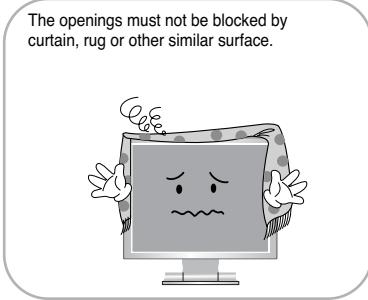
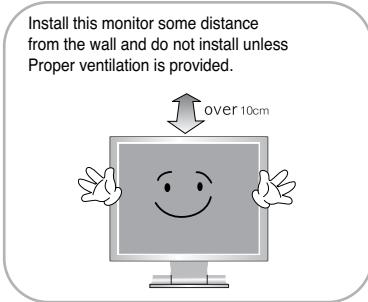
WARNING : How to fix

Do not open this product as it contains high voltage inside.

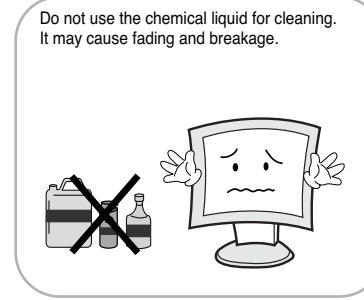
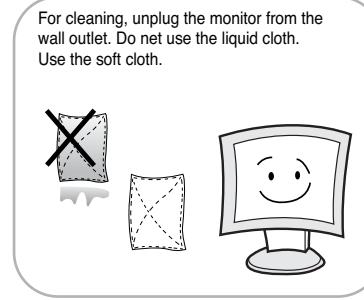
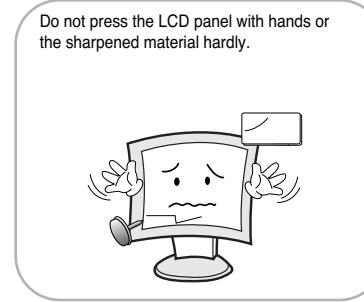
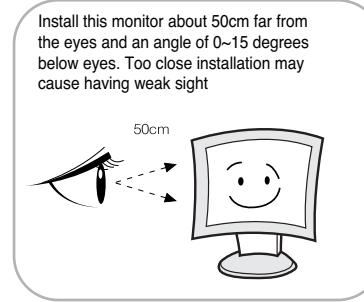
It may create an electric shock.

If the user disassembles and removes the back cover, it does not make sure to make up for the damages and do a service and exchange the monitor.

! Cautions



! Cautions



6. INFORMATION TO THE USER

INFORMATION TO THE USER

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 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.

WARNING

The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment."

7. TROUBLE SHOOTING

※ When the following troubles are occurred, follow the trouble shooting before contacting a service center or sales rep.

Trouble	Check point	How to fix
Power indicator is off and no picture	<ul style="list-style-type: none"> - The power cord is properly connected? - Check the power button of monitor 	<ul style="list-style-type: none"> - Connect the power cord properly. - Turn on the monitor
No picture even though the power LED is on.	<ul style="list-style-type: none"> - Check the signal cable is connected properly. 	<ul style="list-style-type: none"> - Connect the signal cable properly
Screen position is not collect.	<ul style="list-style-type: none"> - Check the screen size and position 	<ul style="list-style-type: none"> - Press "AUTO" button on OSD menu
Screen is too bright or dark	<ul style="list-style-type: none"> - Check the brightness of the monitor 	<ul style="list-style-type: none"> - Adjust the brightness by PC system
Screen is not clear. Focus is bad and noise occur.	<ul style="list-style-type: none"> - The frequency sets up properly? 	<ul style="list-style-type: none"> - Adjust the frequency by PC.