

NEW COMM WORLD



TFT LCD Monitor

Expert Series TFT LCD for desktop computer

User's Guide

TM390...TM400...

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OSD Operation

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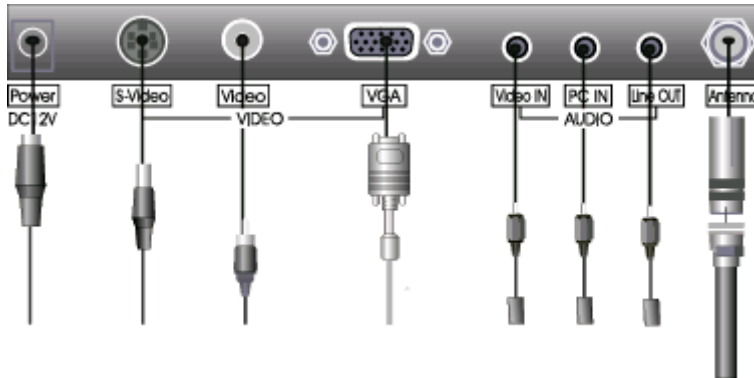
The Other

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Warning

- 1** Turn off the display cleaning its surface.
- 2** Periodically wipe its surface with a soft and dry cloth.
- 3** Do not use extremely hot or humid environment during operation.
(Temperature:10~40℃, Humidity:10~80%RH)
- 4** Avoid area susceptible to dust.
- 5** Use only the quality a safety approved AC/DC adapter.
- 6** Avoid direct sunlight.
- 7** Plug off the AC power cord during not operating LCD Monitor for a long time.
- 8** Please make sure if the back stand is down perfectly. When you make the monitor as a wall type.
- 9** Please put the monitor up side down when you connect the VGA cable with your PC system.
- 10** please use appropriate screws.
Please take apart the base for wall type monitor.

Connecting PC



1. Turn Off all the equipment first.
2. Connect the adapter power cord to main power connector (Adapter standard Input:110V/220V,47~63Hz)
3. Connect adapter DC output to monitor DC Input Connector.
*Please do not use any other kinds of adapter.
4. Connect analog 15-Pin VGA cable between PC and monitor.
5. Make sure all the cables and power are well connected then, please turn on the power.

• Using monitor speaker

1. The PC must have Line Out connector. If you are using PC sound Card, please decrease
The sound output before start.
2. Connect Line In Cable of Audio to Sound Card Line out connector of PC and monitor
Line In connector.

Composition Part

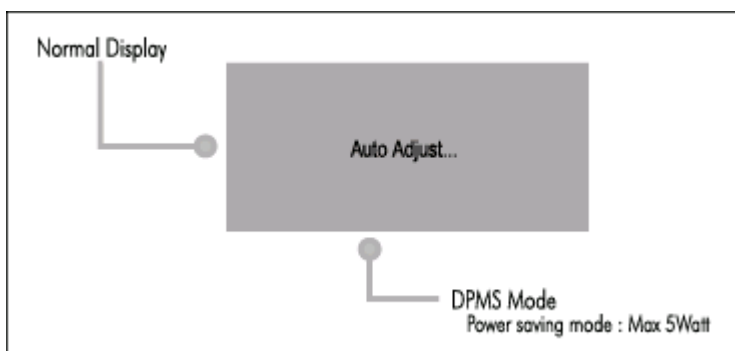


Connecting PC

○ Power Saving(DPMS)

TM390(TM400) has power-saving function, which is based on VESA Standard specification.

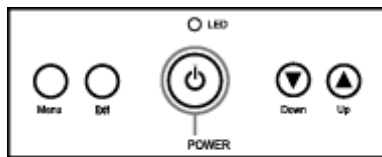
Precisely, if there is no signal, which is from the function of screen saver, this DPMS function will wait about 5 seconds. If there is no signal, it shows the picture as below and changes into DPMS mode automatically.



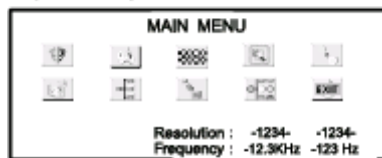
* Please turn off all the power saving, when you are not using monitor.

OSD Operation

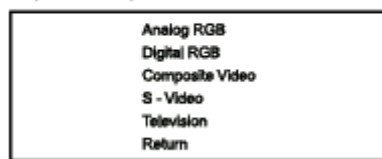
○. Basic Function



[see Pic. Gen1-1] Button



[see Pic. Gen1-2] Menu

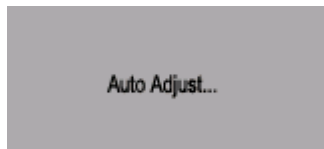


[see Pic. Gen1-3] Source

- ① **MENU** : To display main menu on empty screen.
(see Pic. Gen1-2)
- ② **Up(+)** : To scroll the bar upward or to increase value
- ③ **Down(-)** : To scroll the bar downward or to decrease Value.
- ④ **Exit** : Save & Exit
- ⑤ **LED** : Green - Normal Power On / Red – No Signal

○. Additional Functions

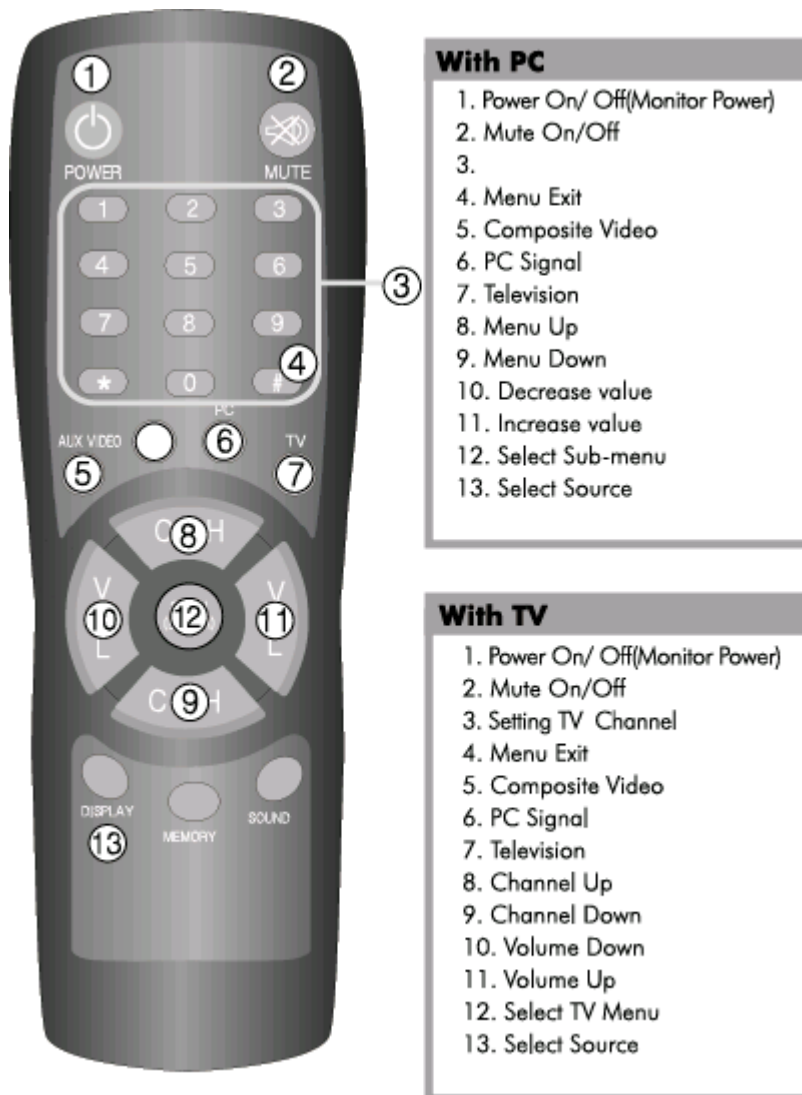
Auto-Adjust : To adjust the display automatically



(see Pic. Gen2-1) Auto-Adjust

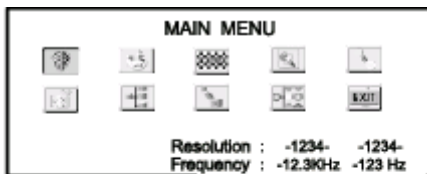
- ① Press Up(+) and Down(-) button at the same time for Auto-Adjust, when OSD is not displayed on screen.

Using Remote Controller

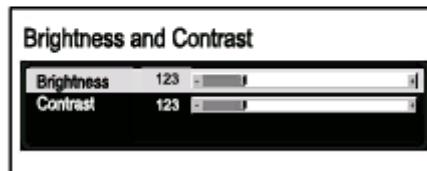


Analog RGB (PC Signal * Computer)

○. Brightness & Contrast Adjustment



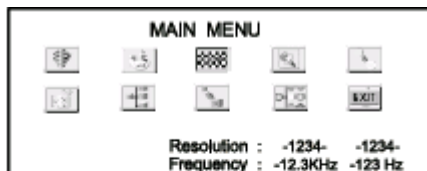
(See Pic. RGB1-1) Brightness & Contrast



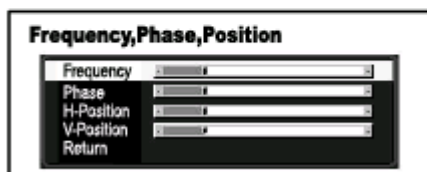
(See Pic. RGB1-2) Brightness & Contrast

1. Press Menu button for main Menu (See Pic. RGB 1-1)
2. Use UP(+) and DOWN(-) button and move to
3. Press Menu Button for Sub-Menu(Brightness & Contrast)
(See Pic. RGB1 -2)
4. Select a category with UP(+) and DOWN (-) button to change the value of Brightness and Contrast.
(To move to other menu, Press MENU button)
5. Select RETURN to exit Sub-menu and Press MENU button.
(Bock to Pic. RGB1 -1)

○. Frequency, Phase & Position Adjustment



(See Pic. RGB2-1) Frequency, Phase, Position

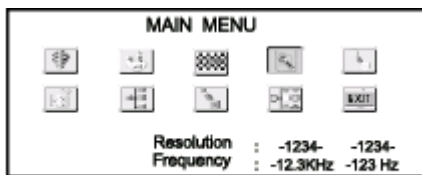


(See Pic. RGB2-2) Frequency, Phase, Position

1. Press Menu button for main Menu (See Pic. RGB 2-1)
2. Use UP(+) and DOWN(-) button and move to
3. Press Menu Button for Sub-Menu
(Frequency, Phase, Position)
(See Pic. RGB2 -2)
4. Select a category with UP(+) and DOWN (-) button to change the value of Frequency, Phase, Position.
(To move to other menu, Press MENU button)
5. Select RETURN to exit Sub-menu and Press MENU button.
(Bock to Pic. RGB2 -1)

Analog RGB (PC Signal * Computer)

○. Zoom Fuction



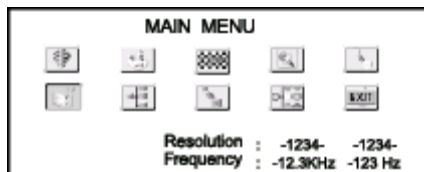
(See Pic. RGB3-1) ZOOM



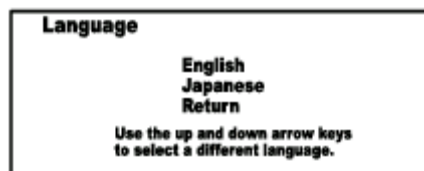
(See Pic. RGB3-2) ZOOM

1. Press Menu button for main Menu (See Pic. RGB3-1)
2. Use UP(+) and DOWN(-) button and move to
3. Press Menu Button for Sub-Menu(ZOOM)
(See Pic. RGB3 -2)
4. Select a category with UP(+) and DOWN (-) button to maximize then, adjust H-Position and V-Position.
(To move to other menu, Press MENU button)
5. Select RETURN to exit Sub-menu and Press MENU button.
(Bock to Pic. RGB3 -1)

○. Select Language



(See Pic. RGB4-1) Language

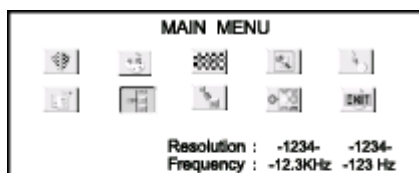


(See Pic. RGB4-2) Language

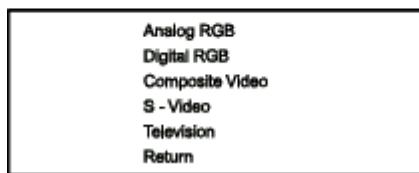
1. Press Menu button for main Menu (See Pic. RGB 4-1)
2. Use UP(+) and DOWN(-) button and move to
3. Press Menu Button for Sub-Menu(Language)
(See Pic. RGB4 -2)
4. Use UP(+) and DOWN (-) button to Select the appropriate language and press MENU button for change.
(To move to other menu, Press MENU button)
5. Select RETURN to exit Sub-menu and Press MENU button.
(Bock to Pic. RGB4 -1)

Analog RGB (PC Signal * Computer)

○. Source Selection



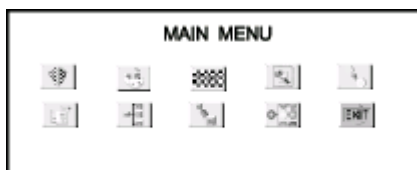
(See Pic. RGB5-1) Source



(See Pic. RGB5-2) Source

1. Press Menu button for main Menu (See Pic. RGB51)
2. Use UP(+) and DOWN(-) button and move to
3. Press Menu Button for Sub-Menu(Hue & Saturation) (See Pic. RGB5-2)
4. Select a category with UP(+) and DOWN (-) button Press MENU button, the Source will be changed. (To move to other menu, Press MENU button)

○. Exit

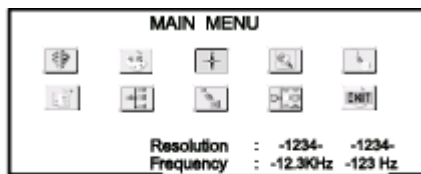


(See Pic. RGB6-1) Exit

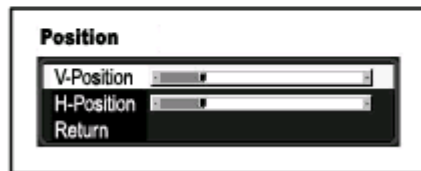
1. Press Menu button for main Menu (See Pic. RGB 6-1)
2. Use UP(+) and DOWN(-) button and move to
3. Press Menu Button to escape OSD Menu.

Composite Video/S-Video

○. Position Adjustment



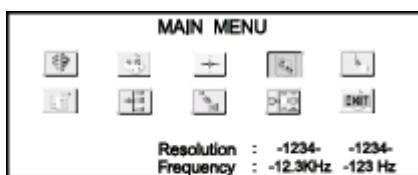
(See Pic. VID1-1) Position



(See Pic. VID1-2) Position

1. Press Menu button for main Menu (See Pic. VID 1-1)
2. Use UP(+) and DOWN(-) button and move to
3. Press Menu Button for Sub-Menu(Position)
(See Pic. VID1 -2)
4. Use UP(+) and DOWN (-) button to select the appropriate category then, adjust H-Position and V-Position.
(To move to other menu, Press MENU button)
5. Select RETURN to exit Sub-menu and Press MENU button.
(Bock to Pic. VID1 -1)

○. Zoom Fuction



(See Pic. VID2-1) Zoom

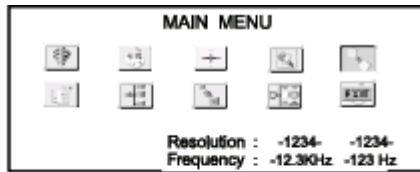


(See Pic. VID2-2) Zoom

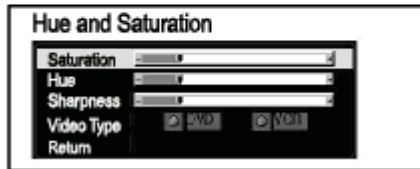
1. Press Menu button for main Menu (See Pic. VID2-1)
2. Use UP(+) and DOWN(-) button and move to
3. Press Menu Button for Sub-Menu(Zoom)
(See Pic VID2 -2)
4. Use UP(+) and DOWN (-) button to select the appropriate item.
Zoom will be adjusted by using UP(+) and DOWN(-) Key then, adjust H-Position and V-Position.
(To move to other menu, Press MENU button)
5. Select RETURN to exit Sub-menu and Press MENU button.
(Bock to Pic. VID2 -1)

Composite Video/S-Video

○. Hue, Saturation Adjustment



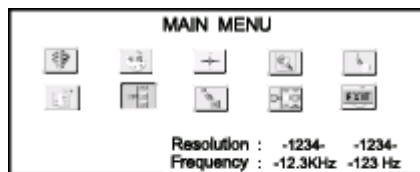
(See Pic. VID3-1) Hue & Saturation



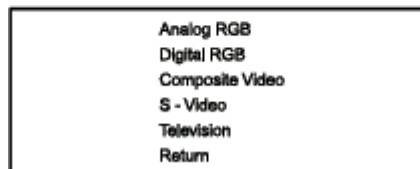
(See Pic. VID3-2) Hue & Saturation

1. Press Menu button for main Menu (See Pic. VID 3-1)
2. Use UP(+) and DOWN(-) button and move to
3. Press Menu Button for Sub-Menu(Hue & Saturation)
(See Pic. VID3 -2)
4. Use UP(+) and DOWN (-) button to select the appropriate category then, adjust Hue, Saturation, Sharpness and Video Type (DVD / VCR) can be Selected by pressing MENU button.
(To move to other menu, Press MENU button)
5. Select RETURN to exit Sub-menu and Press MENU button.
(Bock to Pic. VID3 -1)

○. Select Source



(See Pic. VID4-1) Source



(See Pic. VID4-2) Source

1. Press Menu button for main Menu (See Pic. VID4-1)
2. Use UP(+) and DOWN(-) button and move to
3. Press Menu Button for Sub-Menu(Source)
(See Pic VID4 -2)
4. Use UP(+) and DOWN (-) button to select the appropriate then, Press MENU button for source change.

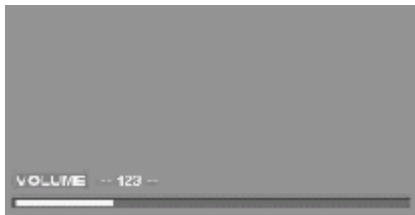
Television

○. Channel Adjustment



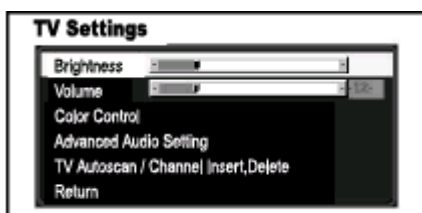
1. Use UP(+), DQWN(-) button for changing channels
(If there is no channel, Auto-Scan had not been activated or if Reset to Factory Default function has been carried out in Utility Menu, the channel will be stay only on channel 7, because the channels ore not set. In this case, please do Auto-Scan)

○. Volume Setting



1. Use + / - button from Remote Controller.
(The key buttons ore not set) Please enter TV Setting Menu to Adjust the Volume with Key button.

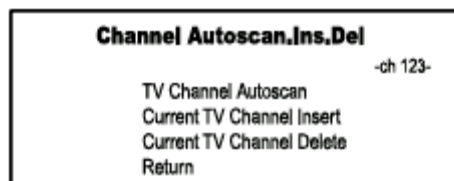
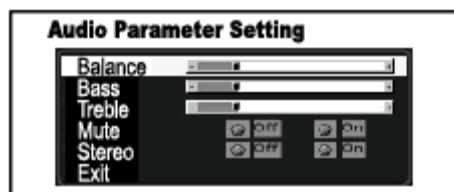
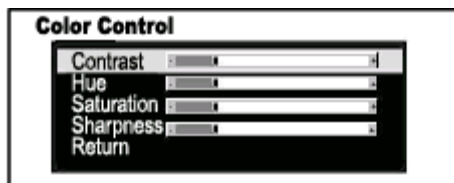
○. Parameter Setting



[See Pic. TV1-1] TV Setting

1. Press Menu Button. (See Pic. TV1 -1)
2. Use UP(+), DQWN(-) button to select the category and press Menu button then, Brightness, Contrast, Sharpness, Hue and Saturation will be able to adjust.
(To move categories, press Menu button again)

Television



3. Use UP(-), DOWN(+) key to select category and press Menu button.

Some of the categories will go into the Sub-Menu.

- TV Channel Memory / Channel Add and Delete Function.

(TV Auto Scan / Channel Add. Del)

- Audio Setting: Balance, Bass, Mute...

(Advanced Audio Setting)

4. Select Return to escape from Sub-Menu and press Menu button.

Product Specification

MODEL		SOSA TM390
Resolution		1024*768 XGA
Color	Standard Color	262,144 Color
	Max, Color(Dithering)	Full Color
Brightness		200 cd/m ² (nit)
Contrast Ratio		200:1 Typ
Viewing Angle(U/D/L/R)		45°/45°/60°/60°
PC Color Signal	H-Frequency	30~70 KHz
	V-Frequency	56~85 Hz
	Signal Level	0.7Vp-p
Panel	Type	Amorphous Si TFT-LCD
	Actual Display Size	307.2*230.4mm
	Diagonal Length	15.1",383.54mm
Video/TV	Input Signal Type	Separate/Composite/SOG
	Color Signal Type	NTSC
	Sound Signal Type	M/N
	Video/TV Signal Type	CVBS/S-VIDEO
Plug & Play	DDC	DDC1/DDC2B
Power Voltage		AC100~240V,60/50Hz,DC12V/4.5A
Power Consumption	Standard	30Watt
	Save Mode	5Watt
Audio Output		2Watt+ 2Watt(1KHz)
Size	Product Size(W*H*D)	15.9"*16.0"*7.3
	Box Size(W*H*D)	406*408.4*184.8mm
Weight	Net	3.9Kg
	Gross	6.0Kg

Product Specification

MODEL		SOSA TM400
Resolution		1280*1024 SXGA
Color	Standard Color	16,777,216 Color
	Max, Color(Dithering)	Full Color
Brightness		200 cd/m ² (nit)
Contrast Ratio		250:1 Typ
Viewing Angle(U/D/L/R)		45°/45°/60°/60°
PC Color Signal	H-Frequency	30~70 KHz
	V-Frequency	56~85 Hz
	Signal Level	0.7Vp-p
Panel	Type	Amorphous Si TFT-LCD
	Actual Display Size	311.0*248.8mm
	Diagonal Length	15.7",383.54mm
Video/TV	Input Signal Type	Separate/Composite/SOG
	Color Signal Type	NTSC
	Sound Signal Type	M/N
	Video/TV Signal Type	CVBS/S-VIDEO
Plug & Play	DDC	DDC1/DDC2B
Power Voltage		AC100~240V,60/50Hz,DC12V/4.5A
Power Consumption	Standard	30Watt
	Save Mode	5Watt
Audio Output		2Watt+ 2Watt(1KHz)
Size	Product Size(W*H*D)	15.9"*16.0"*7.3
	Box Size(W*H*D)	406*408.4*184.8mm
Weight	Net	3.9Kg
	Gross	6.0Kg

Trouble Shooting....

1. Red LED and Blue screen or No screen displays. (Check signal & Cables)

- 1) Press Source button to check present source circumstances.
 - If the source is on Analog RGB, please check VGA cable is well connected or power is On.
 - If the source is on Composite Video / S-Video, please check the VCR power is On.
- 2) To change the other source, use UP(+), DOWN(-) button to move to another category, while Source button is pressed and press Menu button or press display button of the Remote Controller. (Page 6)
- 3) For Direct Source change.
 - * Change to PC (Use Only with Analog RGB)
 - Key Press UP(+), DOWN(-) button at the same time.
 - Remote Controller Press PC button. (Page 6)
 - * Change to Video (Use Only with Composite Video)
 - Key Direct change Unadvisable. (Move to Source button)
 - Remote Controller Press Video button. (Page 6)
 - * Change to TV
 - Key : Direct Change Unadvisable. (Move to Source button)
 - Remote Controller Press TV button. (Page 6)

2. If there is no saved Channel, the channel will not be changed by pressing channel button. In this case, please use Auto-Scan function. It takes about 4 minutes and will go back to the previous channel after Auto-Scan is finished.

(See Pic. P11-4)

3. To insert or delete the channel, move the menu to TV Auto-Scan / Insert, Delete then,
 - Current Channel Insert : Press Menu Key on Current Channel Insert.
 - Current Channel Delete : Press Menu Key on Current Channel Delete.
4. It takes 2~3 seconds from power off to power on of the monitor.

Word Appendix

OSD (On Screen Display)

Display about screen information for monitor users.

Brightness

Adjust the level of Darkness and Brightness by Back light of the LCD.

Contrast

Adjust the brightness and darkest parts of the screen.

Saturation

Adjust the color density based on White color. If the color density increases, the color approaches to original color from White color.

Resolution

It is defined by number of vertical & horizontal point and is represented the elaboration of the displays.

Bigger resolution displays much information on the screen and easier to work with many windows.

VGA MODE

Resolution	H-Frequency (KHz)	V-Frequency (Hz)	CLK Frequency (MHz)	H/V
VGA,(640*480)	31.469	59.940	25.175	(-/-)
VGA,(640*480)	37.500	75.000	31.500	(-/-)
VGA,(640*480)	43.269	85.008	36.000	(-/-)
SVGA,(800*600)	46.875	75.000	49.500	(+/-)
SVGA,(800*600)	53.674	85.061	56.250	(+/-)
XGA,(1024*768)	48.363	60.004	65.000	(-/-)
XGA,(1024*768)	60.023	75.029	78.750	(+/-)
XGA,(1024*768)	68.677	84.997	94.500	(+/-)

"B" Device

This product has been passed EMI standard test therefore, it is available is for official uses and all other areas.(A Devices is for official uses and B Devices has less.

Warranty Card

- This warranty card will not be issued, please keep with the manual.

Product	TM390 / TM400
Warranty Period	
Purchase Date	
Customer Name	
Seller	Name Address Phone

This product has been passed EMI standard test therefore, it is available is for official uses And all other areas.(A Devices is for official uses and B Devices has less.

NewComm World Co., Ltd or Seller warrants SOSA-**TM390/TM400**, if properly installed and Used, will be free from defects in material and workmanship and will substantially conform to NewComm World's publicly available specifications for a period of one (1) year after the date of the SOSA- TM390/TM400 purchased (whether purchased separately or as a part of a computer system).

If the SOSA- **TM390/TM400** which is the subject of this warranty fails during the warranty period for reasons covered by this warranty NewComm World Co., Ltd or Seller will repair the SOSA-NLM155A1 by means of hardware and/of firmware, or if NewComm World Co., Ltd Or Seller is unable to repair it replace failed SOSA-**TM390/TM400** with another one.

FCC Compliance Statement

Caution : Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note : 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 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.