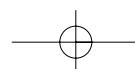


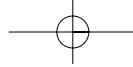
*LCD Color Display*

# **TFT LCD COLOR MONITOR**

## **USER MANUAL**

**SODIFF** The logo for SODIFF, featuring the brand name in a bold, sans-serif font with a small, stylized 'S' icon to the right.





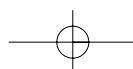
*LCD Color Display*

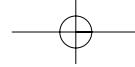
# TFT LCD COLOR MONITOR

## USER MANUAL



SODIFF 





## **Congratulations On your new TFT LCD monitor**

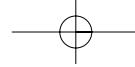
### **Introduction**

TFT LCD monitor does not only emit harmful electromagnetic waves but also saves installation space by 70% with respect to CRT monitors. It satisfies VSEA DPMS requirements and consumes quite small amount of energy unlikely to CRT monitors. As an example, the actual power consumption of LCD monitor during operation is less than 30 Watt while CRT is over 100 Watt. LCD Monitor is safe, easy to use, and environment-friendly device.

AS LCD monitor satisfies VESA DDC 1/2 requirements, Plug&Play is supported as well. It is not needed of additional installation of hardware or software. Only you have to do is to plug out the VGA cable from your old CRT monitor and plug in to it.

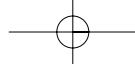
### **About User's manual**

This will guide you to install LCD monitor with ease and offer additional warranty terms.



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# 1. Safety Instructions

This product is designed under strict safety policies. Please read the following safety instructions carefully to prevent damage to property and harm to users.

- Do Not Place any heavy or wet objects on the power cable.
- Keep away from small metal or inflammable objects on the monitor.
- Do not cover the vents on monitor case.
- Avoid using in high heat, moisture or dust condition.

Optimal Operating Condition

Temperature: 5~35 Centigrade Degree

Moisture: 30~80 RH

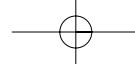
- Turn off the monitor and check all the cables connected right before you plug in outlet.
- Do not use loose or damaged plug. In this case, please contact dealer for exchanging it.
- Avoid using sharp tools near monitor. This can damage your monitor.
- Do not use benzene to clean.

## Contents

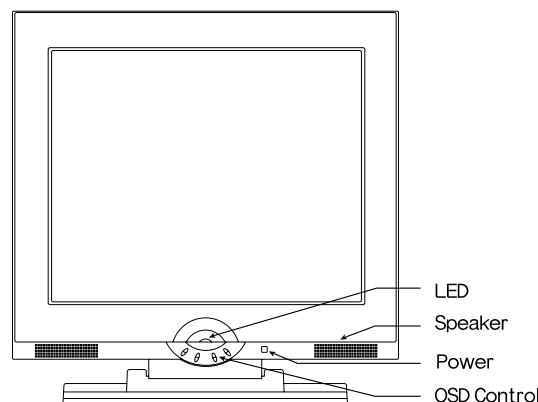
SDM-1503A 15" TFT LCD Monitor with built-in speaker
15 Pin D-Sub VGA Signal Cable
AC Power Plug
Speaker Cable
User's Manual
AC/DC Power Adaptor

Please make sure the above items are included. If any items are missing, please contact our dealer.

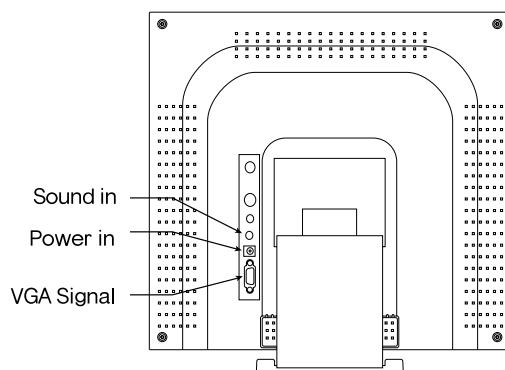
In case of repacking for moving, we suggest you to keep the box. The box is specially designed to protect the monitor properly.



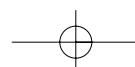
## Illustration of monitor

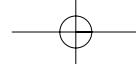


Front



Rear





## 2. Installation

- A. Turn off your monitor and computer.
- B. Connect the Power Cable and D-Sub Analog Cable to your TFT LCD monitor and Computer.
- C. Turn on the Monitor and Computer.  
As a result of successful installation, you can see Green Led Light and Image Display on your monitor.
- D. Tune the image.

### Note 1.

TFT Monitor is set to be factory setting as default. Due to various VGA Cards existent, occasionally, the signal of VGA out does not correspond to VESA standard correctly. This results in slightly tilted image and noise. If this happens, adjust the image by using OSD Control Button.

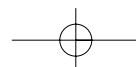
### Fcc Information to User

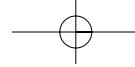
Note: This equipment has been tested and found to comply with limit for a Class B digital device, pursuant to part 15 of the FCC Rules.

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 encourage to try to correct the interrence by one or 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 experience radio TV technician for help

Change or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment



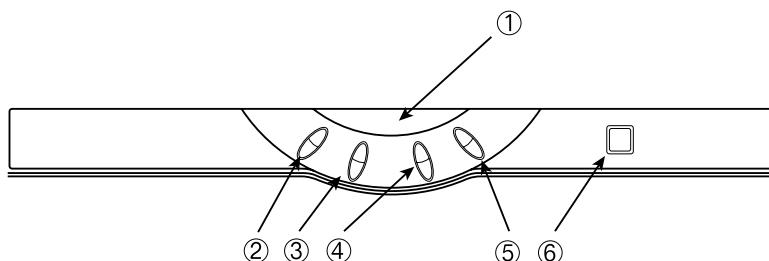


### 3. Using Function

#### Introduction

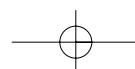
Function buttons are located on the front.

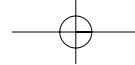
Read the following descriptions of the buttons carefully before you use.



#### Function Buttons

No.	Name	Legends
①	LED Indicator	<ul style="list-style-type: none"> <li>● Green: Indicate Normal Operation</li> <li>● Red: Power Saving Mode/No Input Signal</li> <li>● No light: Power Out</li> </ul>
②	MENU	<ul style="list-style-type: none"> <li>● Open OSD (On-Screen Display) and activate the Menu</li> <li>● Exit the active Menu or OSD</li> </ul>
③	▼	<ul style="list-style-type: none"> <li>● Shift left in OSD Menu</li> <li>● Adjust value of the selected menu</li> <li>● Direct Access for Brightness (Only when OSD is turned off)</li> </ul>
④	▲	<ul style="list-style-type: none"> <li>● Shift right in OSD Menu</li> <li>● Adjust value of the selected menu</li> <li>● Direct Access for Sound On/Off (Only when OSD is turned off)</li> </ul>
⑤	EXIT	<ul style="list-style-type: none"> <li>● Miscellaneous</li> <li>● Auto Adjust</li> </ul>
⑥	POWER	<ul style="list-style-type: none"> <li>● Turn On/Off</li> </ul>

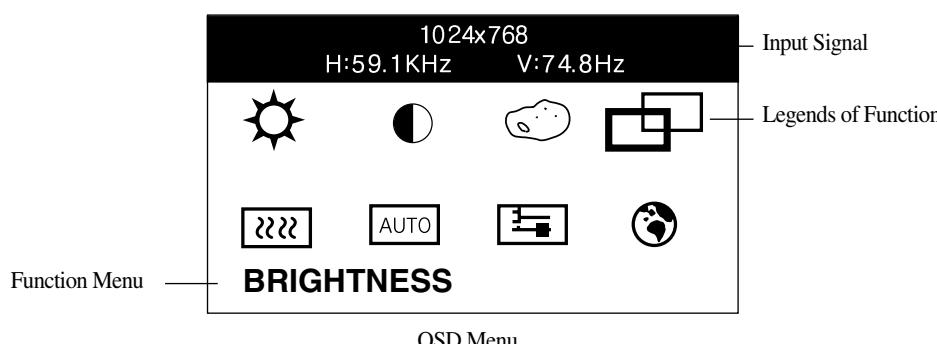




## AutoSave

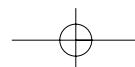
Any changes done in OSD Menu is automatically saved at once and OSD menu will be inactive after 40 seconds of no touching. To adjust of this inactive time, you can do following steps that allow adjustment from 10 seconds to 40 seconds. Press Button 5 for Miscellaneous → OSD Time. The factory settings are consisted of 14 basic modes regarding supported refreshing rate and resolution. These values can be set by manual adjustment

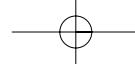
## OSD (On Screen Display)



## Adjust Function

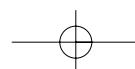
- OSD will be displayed active like the above figure by pressing No.2 Menu Button while it is inactive.
- Throughout Using the  $\blacktriangle$   $\blacktriangledown$  Button, you can choose different Function and the description is changed accordingly.
- Press Exit to select desired function and then adjust value with  $\blacktriangle$   $\blacktriangledown$  buttons.
- While you adjust value, the bar will appear.

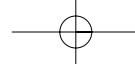




## OSD Function Introduction

Icons	Name	Descriptions
	BRIGHTNESS	<ul style="list-style-type: none"> <li>● Brightness, Adjust Intensity of Backlight</li> </ul>
	CONTRAST	<ul style="list-style-type: none"> <li>● Brightness, Change the incoming signal</li> </ul>
	COLOR CONTROL	<ul style="list-style-type: none"> <li>● Color Temperature</li> <li>● User: Set the level of Red, Green, Blue</li> <li>● Mode 1: 6300 Degree of Color Temperature, Blue Tone</li> <li>● Mode 2: 9600 Degree of Color Temperature, Red Tone</li> </ul>
	POSITION	<ul style="list-style-type: none"> <li>● H-Position: Horizontal Shift of the image Position</li> <li>● V-Position: Vertical Shift of the Image Position</li> </ul>
	CLOCK PHASE	<ul style="list-style-type: none"> <li>● Phase: adjust distorted image by small</li> <li>● Clock: adjust distorted image by large</li> </ul>
	AUTO ADJUST	<ul style="list-style-type: none"> <li>● Automatic optimized signal detection</li> </ul>
	MISCELLANOUS	<ul style="list-style-type: none"> <li>● Recall: Back to Factory Setting</li> <li>● OSD Time: Set 10 to 40 Seconds</li> <li>● OSD H-Position: Horizontal Shift of OSD Position</li> <li>● OSD V-Position: Vertical Shift of OSD Position</li> <li>● Auto Color</li> </ul>
	LANGUAGE	<ul style="list-style-type: none"> <li>● Supported Language (English, German, French, Spanish, Italian)</li> </ul>





## 4. Warranty

### 4.1 Coverage

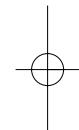
SODIFF-Branded hardware products purchased comes with One-Year limited warranty. The limited warranty covers defects in materials and workmanship in SODIFF-Branded hardware products. The following will be covered for 1 year.

- Housing, board, and components of the product
- TFT LCD Panel
- Backlight

This also includes all the problems required to receive technical service. However, this does not include external causes such as accident, abuse and misuse, failure to preventive maintenance, or failure to follow instructions.

### 4.2 No Coverage

Limited warranty does not cover the problems mainly due to external causes, failure to preventive maintenance or failure to follow instructions. Limited Warranty also does not cover maintenance. Even though the software supplied with the product, it is not covered by limited warranty.



### 4.3 Disclaimer

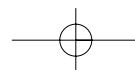
SODIFF-Branded monitor adopts the best LCD Panel that can be used for years. However, the defects such as Cosmetic Fault or Pixel Fault can be occurred. The defect of pixel is generally accepted in TFT LCD Panel Industry and any LCD Panel manufacturer can have the same problem.

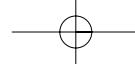
So, We hereby limit our warranty as following especially on the Pixel defect.

Only limited to at least 6 pieces of White dots or 10 pieces of black dots, it covers remedy or replacement free of charge.

### 4.4 Box

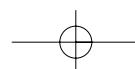
The box is designed to protect the contents with safe. We suggest you to keep it for future carriage of monitor.

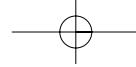




## 4. Trouble Shooting

Problems or status	What you need to do
No image display or Green Led Indicator is off	<ul style="list-style-type: none"> <li>Check the monitor power is on and power cable is connected correct</li> </ul>
"Check Cable or No signal" screen display	<ul style="list-style-type: none"> <li>Make sure the signal cable is connected to PC and Monitor right</li> <li>Turn on your PC</li> </ul>
"Out of Range" screen display	<ul style="list-style-type: none"> <li>Check the max resolution and frequency of Video Adapter</li> </ul>
Too Bright or dark Image	<ul style="list-style-type: none"> <li>Adjust Brightness or Contrast</li> </ul>
Vertical line flickering	<ul style="list-style-type: none"> <li>Change the value of Clock</li> <li>Do Auto Adjust</li> </ul>
No Image Display Yellow Led Indicate on and off of it for 0.5 or 1 second interval	<ul style="list-style-type: none"> <li>It is in Power Saving Mode</li> <li>Move your mouse or press any key on your keyboard to terminate the mode.</li> </ul>
Unstable or moving image	<ul style="list-style-type: none"> <li>Do Auto Adjust</li> <li>Check the resolution and refreshing rate your chose in OS satisfies that of the monitor.</li> <li>Change the setting on Display Properties in Control Panel.</li> </ul>
	<ul style="list-style-type: none"> <li>Horizontal frequency</li> <li>Vertical frequency</li> <li>Maximum refreshing rate</li> </ul>
Image is not centered	<ul style="list-style-type: none"> <li>Do Auto Adjust</li> <li>Adjust H-Position and V-Position</li> </ul>
No Sound	<ul style="list-style-type: none"> <li>Check the audio cable connection between Audio input on monitor and Audio out on soundcard.</li> </ul>
Low Sound	<ul style="list-style-type: none"> <li>Adjust volume level at maximum and check the sound. If the problem persists, check the volume setting of Sound Card or related Software.</li> </ul>

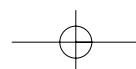


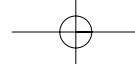


## 6. Applicable Timing

Resolution	Refresh rate	Horizontal freq.	Pixel freq.	Standard Type	Remarks
640 ×400	70Hz	31.46KHz		VESA standard	
720 ×400	70Hz	31.46KHz		VESA standard	
	60Hz	31.5KHz	25.175MHz	VESA standard	
640 ×480	72Hz	37.9KHz	31.500MHz	VESA standard	
	75Hz	37.5KHz	31.500MHz	VESA standard	
	60Hz	37.9KHz	40.000MHz	VESA standard	
800 ×600	72Hz	48.1KHz	50.000MHz	VESA standard	
	75Hz	46.9KHz	49.500MHz	VESA standard	
	60Hz	48.4KHz	65.000MHz	VESA standard	
1024 ×768	70Hz	56.5KHz	75.000MHz	VESA standard	
	75Hz	60.0KHz	78.750MHz	VESA standard	

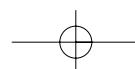
\* SDM-1503A provides the above video timing. In some cases, TFT LCD manufacturers only guarantee the monitor to be used in specific Pixel Frequency (Dot Clock) limited by the above. TFT LCD Monitor normally does good performance at 60MHZ refresh rate. Therefore, it is recommended that you set refresh rate as 60 MHZ.

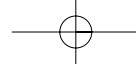




## 7. Specification

Function		Monitor
LCD panel	Type	SDM-1503A
	Display area	307.2 mm x 230.4 mm
	Display color	262,144
	Pixel pitch	0.297 mm x 0.297 mm
	Max. resolution	XGA 1024 x 768 (@ 75 Hz)
	Interface	TTL, LVDS
	Viewing angle	60 degrees horizontal/45 degrees vertical
	Contrast ratio	300:1 (typical)
	Brightness	250 cd/ m <sup>2</sup>
	Physical rotation	+30 degrees, - 5 degrees Up/Down
	Horizontal frequency	31 ~ 69 KHz
	Vertical frequency	56 ~ 85 Hz
	Dimension	383 (W)mm x 363(H)mm x 165(D)mm
Option	Video Input	PC Analog RGB
	Audio Input	Audio (L.R)
Regulation	EMI	CE FCC
Others	Power	Stand - by : 3 watt / Operation : 30 watt
	Speaker output	2 watts / CH X 2EA
	Plug & Play level	DDC 1/2B
	Weight	Net 5.13 kg / Gross 6.86 Kg
	Power Supply	DC 12V, 3.0A, 50/60 HZ





## 8. General Information

### 8.1 Environment-Friendly Packing

The box used in packing the monitor satisfies RESY requirements to do environment-Friendly packing

We produce the box made from environment-friendly recycle source and still research with considering environment.

### 8.2 Cleaning

Use the recommended detergent with a smooth cloth to Clean.

Do not use synthetic detergent.

### 8.3 User's Manual

This manual is made as precise as possible. However it is not in accordance with hardware modification that is required. We are not responsible for revision, errors, miswriting, or leaving out on it. Any publication or redistribution of this without agreement is prohibited.

