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15.0" TFT LCD Monitor

EyeSync

USER'S GUIDE

Comtec Comtec Systems Co., Ltd

FCC NOTICE

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC FULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITION:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDERSIRED OPERATION.

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 communication. 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.

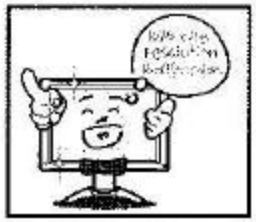
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit difference from that to w hich the receiver is connected.

- Consult the dealer of an experienced radio/TV technician for help.

NOTE : 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.

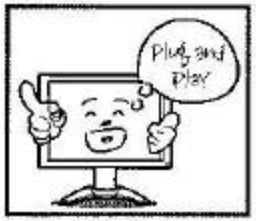
Introduction & Main Features



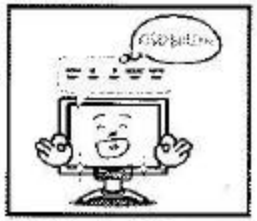
The monitor can display a high quality 1024 × 768 resolution and 16 million colors.

The VESA DPMS function prevents system damage and reduces power consumption when the computer is not in use

The emission of harmful electromagnetic waves has been minimized.



The Plug and Play (DDC1/2B) function allows the monitor to be installed easily.



The OSD control buttons are located on the lower right hand side of the monitor frame.

Space saving design.

Plug and Play is an automatic information exchange between the monitor and the computer. This allows the monitor to be set up easily.

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Product Maintenance

Please read the following safety instructions carefully.

Should the plug or cable be damaged, take care when disconnecting from the power supply.

There may be an electric shock or fire risk.

Do not touch the plug with wet hands.

There may be an electric shock or fire risk.

Do not overload your power outlet.

There may be an electric shock or fire risk.

The plug must be kept clean and dry.

There may be an electric shock or fire risk.

A strange noise or smell comes from the monitor.

Disconnect the plug from the power outlet and contact your service center.

Do not clean your monitor with chemicals such as benzene or alcohol.

Disconnect the monitor from the power supply and wipe with a soft cloth.

Do not open the monitor.

This may cause serious damage to the monitor.

Do not touch the monitor screen.

This may cause serious damage.

Keep the monitor dry.

Exposure to excessive moisture may result in an electric shock or fire risk.

Do not place the monitor in an unstable position.

This may cause serious damage to the monitor.

The monitor must not be covered and it must be used in a well ventilated area.

This is necessary for safe operation.

Do not place the monitor in a damp place, or close to a heating installation.

There may be an electric shock or fire risk.

Do not place metallic or heavy items on the monitor.

There may be an electric shock or fire risk.

Use only the adapter and power cable supplied with the monitor.

There may be a fire risk or product failure.

During a thunder storm, disconnect the plug from the power outlet.

There may be an electric shock or fire risk.

The ambient light and temperature conditions, as well as the viewing angle can influence the image viewed.

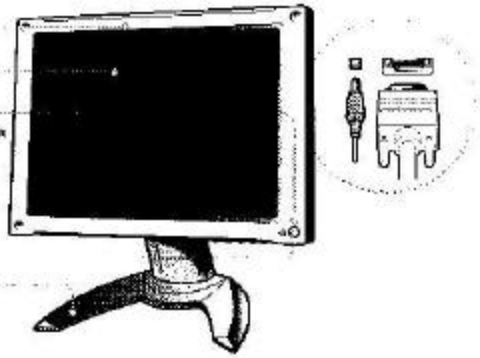
Adjust the angle of the LCD screen to give the best image.

Should a fault appear, do not use the monitor.

There may be an electric shock or fire risk. Disconnect the plug from the power outlet and contact the service center.

Name and Function of Parts

Front



ACCESSORIES

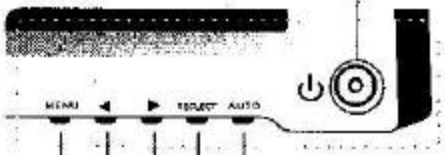
Should any of the following accessories be missing, or damaged, please contact your nearest service center.

AC/DC Adapter

Adapter Cable

Monitor Cable
(D-sub 15 pin)

Adjustment Controls



POWER Button
Turns the monitor on/off

AUTO Button
Operates the AUTO config without openi
OSD Menu

SELECT Button
Selects icon or function in OSD Menu and subm

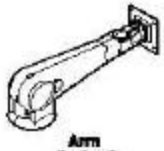
RIGHT Button
Moves icon to the right in OSD Menu and
increases the value of the selected item in submenu

LEFT Button
Moves icon to the left in OSD Menu and
decreases the value of the selected item in submenu

MENU Button
Opens and closes OSD Menu display

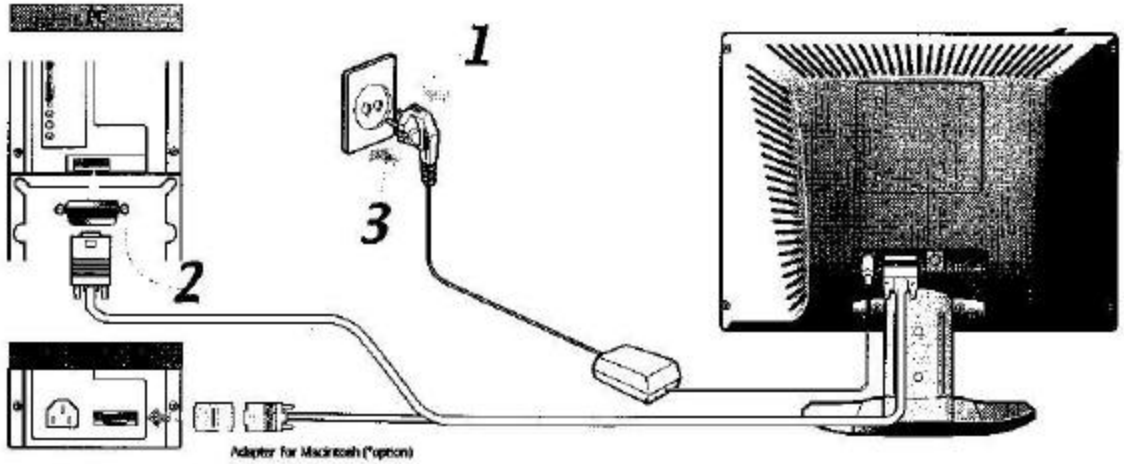
Operating Instructions

Driver Diskette



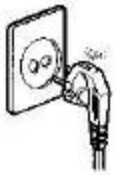
Arm
(*optional)

Monitor Connection



1 Pull out the power plug

Before connecting the monitor, disconnect the PC from the power outlet.



2 Monitor Cable Connection

Use the monitor cable to connect the PC with the monitor.

3 Power Connection

Connect the AC/DC adaptor cable with the monitor DC port located on the back of the monitor. Connect the plug to the power outlet.

4 Driver Diskette Installation

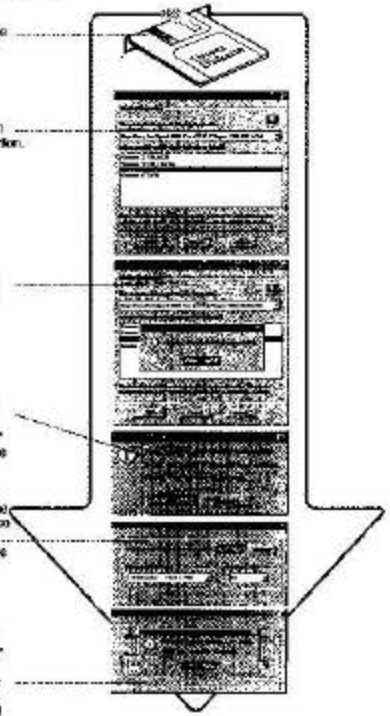
Switch the power on and start the PC. The "Plug and Play" function of the PC will detect new hardware. On "Insert Disc" screen, insert the disc and install the driver.

Please follow the instructions o
the driver diskette label.
The refresh rate will change to
the optimal setting.

Software Installation

For more detailed information, please read 'readme.txt' file on the driver diskette.

Window 95/98 Monitor Installation



1 Insert the driver diskette into the computer and run "Install.exe".

2 Select your monitor model from the menu and click the"OK" button.

3 On "Monitor driver is installed successfully" screen, click the "OK" button.

4 On "Now, ready to start Monitor optimization" screen, click the "OK" button.The monitor optimization program will now start.
If the display appears on the screen without any problems after the optimization program, press the "OK" button. Should you not wish to run the optimization program, press the "Cancel" button.

5 After pressing the "Cancel" button, the window will help you set the new video mode again.
Press the "OK" button after setting the desired resolution and refresh rate.

6 After pressing the "OK" button, the display may remain blank for a few seconds.
If the display appears on the screen without any problems, press the "OK" button on above window.
Should you not wish to keep the new display mode, press the "Esc" button and repeat the above procedure until you obtain the optimal video mode.

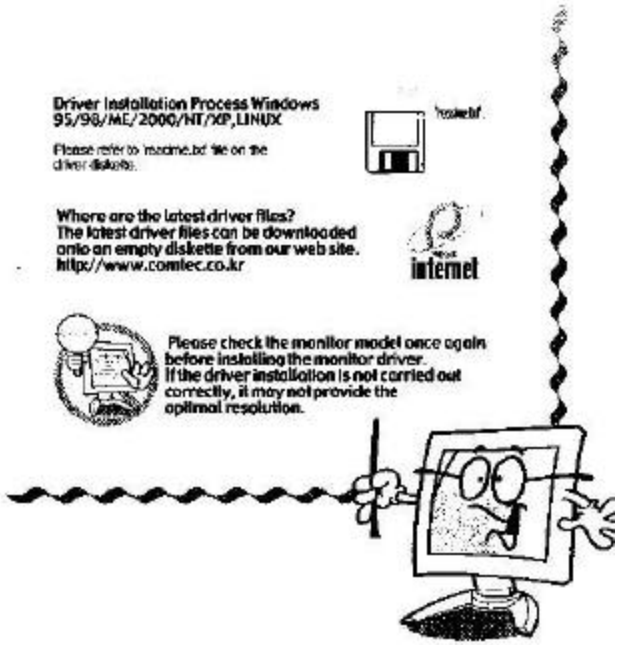
Driver Installation Process Windows 95/98/ME/2000/NT/XP, LINUX

'readme.txt'.

Please refer to 'readme.txt' file on the driver diskette.

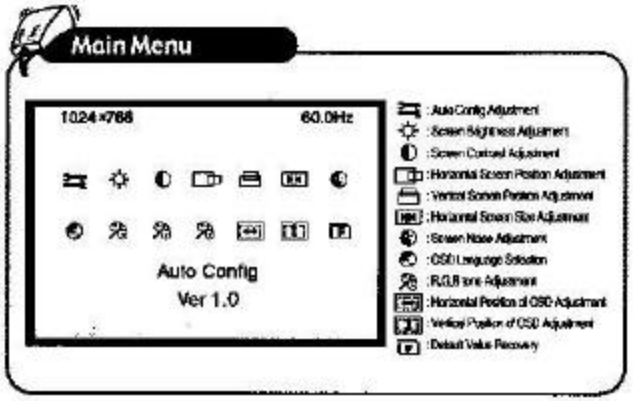
Where are the latest driver files?
The latest driver files can be downloaded onto an empty diskette from our web site.
http://www.comtec.co.kr

Please check the monitor model once again before installing the monitor driver.
If the driver installation is not carried out correctly, it may not provide the optimal resolution.

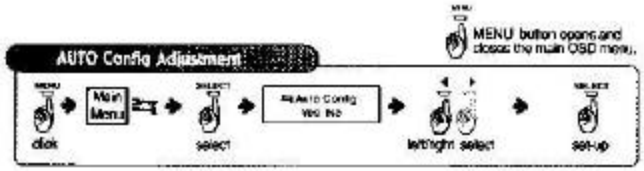


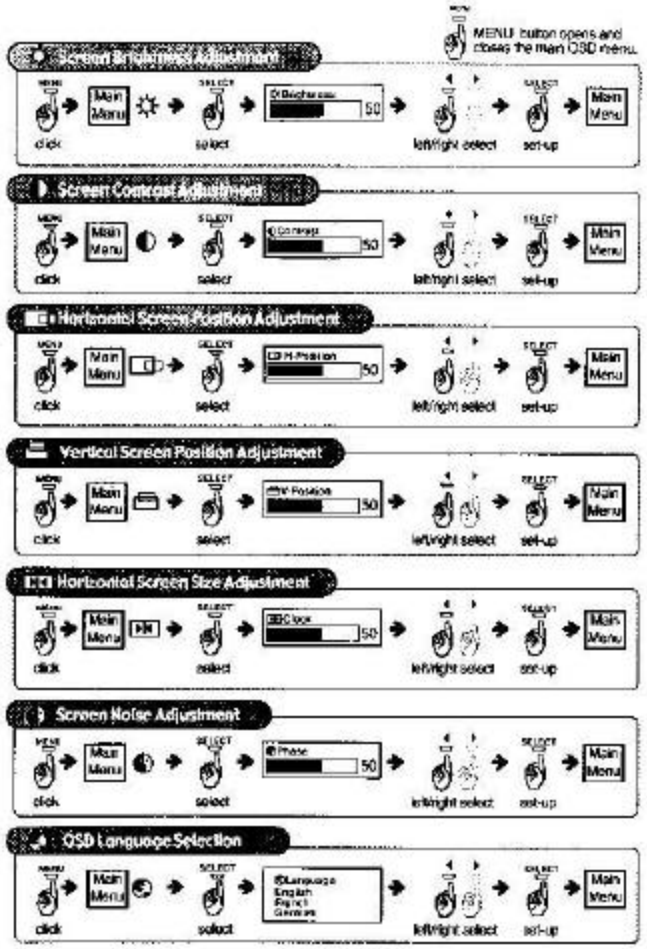
OSD Menu Control

- If you have entered a mode that is not support by the monitor, the message "Input Not Supported" will appear on the screen.
  (Refer to page 18 'Supported Modes')
- Should the monitor cable become disconnected, the monitor will change to DPMS mode. "Power Saving Mode" will appear on the screen.
- Should no item be selected after the OSD menu has been opened, it will automatically disappear after 15 seconds.



NOTE For the best display quality, select 'Auto Config' in closing screen of windows. Vertical position, horizontal position and screen noise are automatically adjusted to the optimal settings. This 'Auto Config' function does not support motion pictures. It will only work when the image appears in full on the screen.



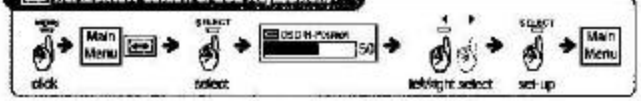


OSD Menu Control

MENU button opens and closes the main OSD menu.

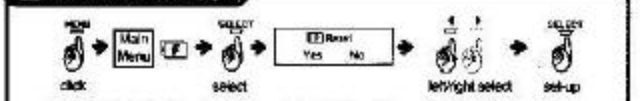
R,G,B Tone Adjustment

Horizontal Position of OSD Adjustment



Vertical Position of OSD Adjustment

Default Value Recovery



Should the Auto Config button be pressed, the RGB color information will not be changed. However, if the Reset function on the OSD is used, the RGB color information as well as the brightness and contrast will revert to the factory set values.

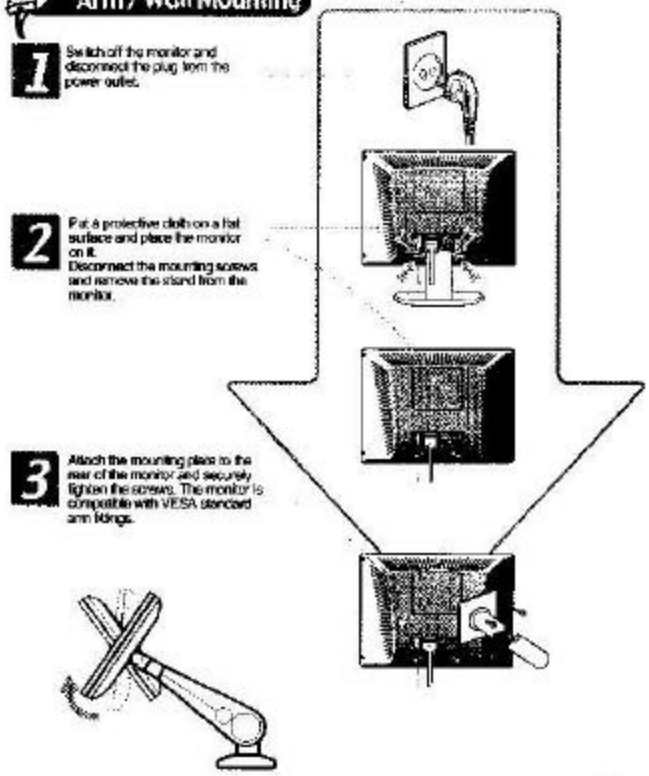
ITEM	Default Value	ITEM	Default Value
Brightness	50	Language	English
Contrast	50	Red	50
H-Position	(*)	Green	50
V-Position	(*)	Blue	50
Clock	(*)	OSD H-Position	50
Phase	(*)	OSD V-Position	50

(*) The value is changed by the graphic card or resolution.

Attention! The value may be changed to the default values for best performance.

Arm / Wall Mounting (*optional)

Arm / Wall Mounting



1 Switch off the monitor and disconnect the plug from the power outlet.

2 Put a protective cloth on a flat surface and place the monitor on it. Disconnect the mounting screws and remove the stand from the monitor.

3 Attach the mounting plate to the rear of the monitor and securely tighten the screws. The monitor is compatible with VESA standard arm fittings.

Trouble Shooting

Should you encounter any of the following problems with your monitor, please refer to the following checklist:

Problem	Checklist
Display does not appear, unable to switch the power on, or error message appears.	▶Should the message 'Power Saving Mode' appear; Check that the PC is switched on and the monitor cable is properly connected. ▶Should the message 'Input Not Supported' appear; Check the applicable resolution and refresh rate of monitor. (Refer to page 18 'Supported Modes') ▶Check that the power supply is connected.
The screen is out of focus or noise occurs	▶Use the adjustment controls until the optimal settings have been found. ▶Execute 'Adjust_LCD.exe' in driver diskette and adjust the focus of pattern 1,2 using the OSD. ▶Change the refresh rate.
Change screen resolution and refresh rate	▶Window 95/98 : Select 'Control Panel' ➔ 'Display' ➔ 'Setting'(Change resolution) ➔'Advanced' ➔ 'Adapter'(Change refresh rate)
Set-up DPMS mode	▶ Window 98/95 : Select Window Saver or BIOS-SETUP of computer (Refer to Service Manual)

Specifications

SPEC	CONTENTS
Panel Size	15.0" (diagonal)
Resolution	1024 × 768
Display Size	304.1mm × 228.1mm
Dot Pitch	0.297mm × 0.297mm
Color	16.7M colors(Dithering On)
Contrast	TYP : 300 : 1 CR
Brightness	TYP : 250 cd/㎡
Compatibility	IBM, MAC
Input Signal	Analog R.G.B(0.7VP-P)
Connection Cable	D-sub 15 PIN
Plug-and-Play	VESA DDC 1/2B
Power Management System	VESA DPMS(Display Power Management Signaling)
Vertical Frequency	60~75Hz
Horizontal Frequency	48.4~60KHz
Main Body Dimension	355(H) × 158(D) × 360(W)mm
Gross Weight	4.7kg
Power Consumption	27W
Input Voltage	AC 100V~240V, 50/60Hz
Viewing Angle	70° / 70° (R/L), 55° / 60° (U/D)
Response Time	25ms
Surface Treatment	Anti-glare & Hard-Coating(3H)
User Adjustment	Brightness, Contrast, H/V Position, OSD H/V Position, Color RGB, Auto Config, Reset, Clock, Phase OSD Multi-Language (English, French, German)

Power Supply and Power Management System

1. Power Supply

	Voltage	Current	Frequency
Input Power	100~240VAC	1.2A	50~60Hz
Output Power	DC 12V	3.5A	

2. Power Management

Display Power Management Signaling (DPMS) of the Video Electronic Standard Association (VESA) is used for the power management system of this monitor. This reduces power consumption when the monitor is not being used.
The color of the LED lamp varies according to the power consumption mode.

State	LED Color	Power consumption(AC)
Normal Use	Green Light	Around 27W
Save mode	Orange Light	Around 5W

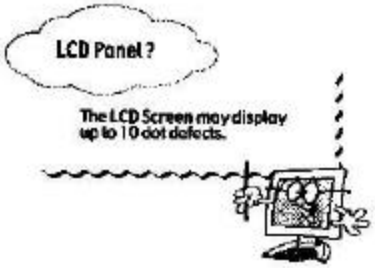
Attention! **To adjust the power saving function, follow the steps described below:**
Start ➔ Setting ➔ Control Panel ➔ Display ➔ Screen Saver ➔ Energy Saving Features ➔ Select "Shut off monitor" ➔ adjust the time.

Supported Modes

Mode	Resolution	Horizontal Frequency (+/- 0.5KHz)	Vertical Frequency (+/- 1Hz)	Other
VGA	640*480@60Hz	31.469	59.94	VESA
	640*480@72Hz	37.861	72.809	
	640*480@75Hz	37.500	75.000	
SVGA	800*600@56Hz	35.156	56.025	
	800*600@60Hz	37.879	60.317	
	800*600@72Hz	48.077	72.188	
	800*600@75Hz	46.875	75.000	
XGA	1024*768@60Hz	48.363	60.004	
	1024*768@70Hz	56.476	70.069	
	1024*768@75Hz	60.023	75.029	
EGA	640*350@70Hz	31.469	70.086	IBM
CGA	640*400@70Hz	31.469	70.086	
EGA	720*350@70Hz	31.469	70.086	
DOS	720*400@70Hz	31.469	70.806	
XGA	1024*768@72Hz	57.515	72.100	
VGA	640*480@67Hz	35.000	66.667	MAC
SVGA	832*624@75Hz	49.726	74.551	
XGA	1024*768@60Hz	48.780	60.001	
	1024*768@75Hz	60.241	74.927	

Analog PC Graphics Port Signal Descriptions

Pin No.	Pin Name	Functional Description
1	Red	Computer Graphics Red Component
2	Green	Computer Graphics Green Component
3	Blue	Computer Graphics Blue Component
4	-	-
5	GND	Ground
6	GND-R	Ground
7	GND-G	Ground
8	GND-B	Ground
9	-	-
10	GND	Ground
11	-	-
12	SDA	DDC SDA
13	Hsync	Horizontal Sync
14	Vsync	Vertical Sync
15	SCL	DDC SCL



Memo