ATTACHMENT E.
- USER'S MANUAL

GEMPACK
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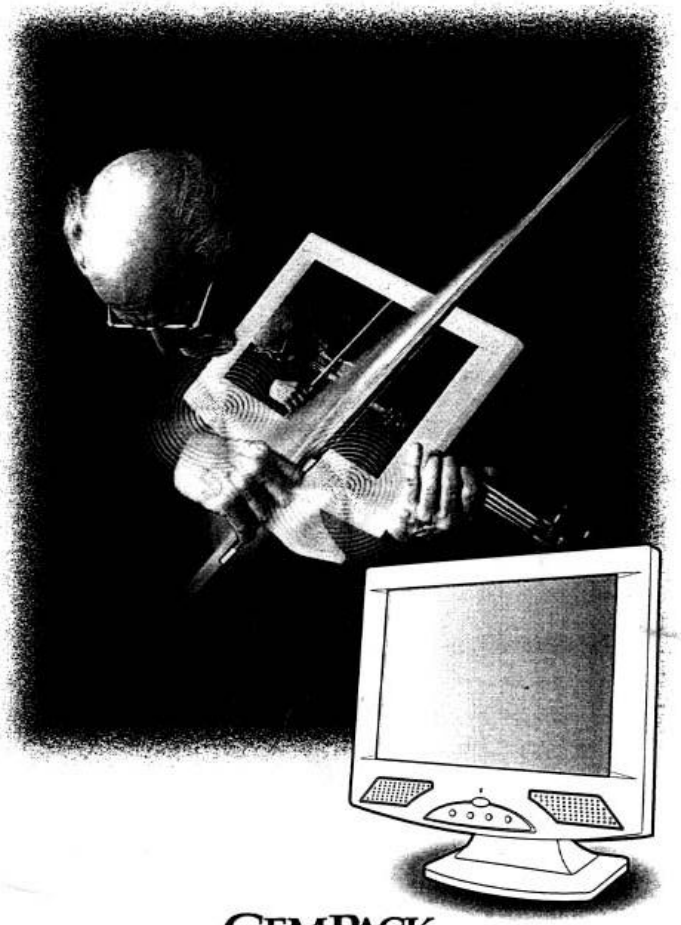
TFT-LCD MONITOR GPM-151



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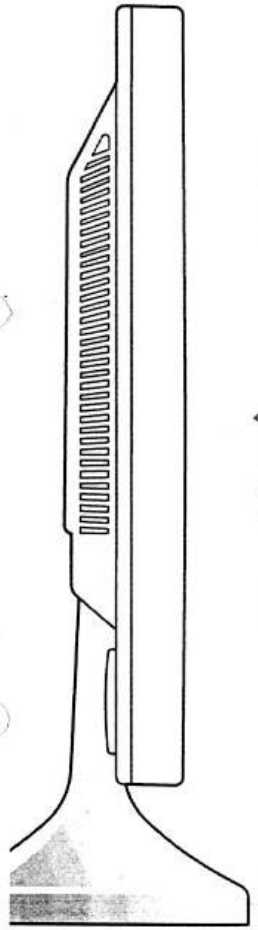
U.S.A.

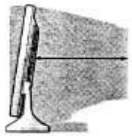
U.S.FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT INFORMATION TO THE USER

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 of a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for assistance.

Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Connecting of peripherals requires the use of grounded shielded signal cables.





More Free Space Slim TFT-LCD Monitor

You can save more space due to it's slim design that reduces the installation space significantly compared to that required for common CRT monitors.

Low Power Energy Saving Monitor

It is very useful for those who have to work extremely long hours because of the low use of power that does not exceed 30W and thus the generation of heat is minimized.

Healthful Monitor that Blocks Out Harmful Electromagnetic Waves

This monitor helps to preserve your health by eliminatimg almost all harmful electromagnetic waves, noises nor heat.

Monitor free from external speakers

With built-in high-output speakers, this monitor does not need separate external speakers.

Monitor comfortable to the eyes

By preventing the screen from blinking with the up-to-date technology, it protects users' eyesight, and reduces eye fatigue caused by long usage.

More Vivid Quality Picture

Thanks to the action matrix TFT-LCD that is specific to pixels that shows every hook and corner of the screen clearly, the screen is more accurate.

High Brightness and Consistent Contrast

The entire screen is bright and sharp, colors deeper and more vivid.

TFT-LCD Monitor GPM-151

Contents

Features — 1
Warnings for Safeness — 3~4
Component Names — 5
Setup — 6
Screen Tuning — 7~10
Power-Saving Function — 11
Before Requesting Customer Services Support — 12
Product Specifications — 13
Warranty — 14

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Warnings for Safeness/Attention

You should follow these notices correctly to avoid danger and materiel damage in advance.

Don't plug several products in an outlet at the same time.

When pulling out the power plug, you should seize the power plug with dry hands.

Don't strain the power plug or the electrical code too hard.

Prevent different things from being inserted into the product. Especially, clean it up immediately.

Positively, do not ever disassemble, repair or remodel it.

Don't bend the power plug or the electrical code in a severe way, and don't damage it by putting heavy things on top of it.

- Otherwise, a fire can break out.

Don't put the product in places that are moist and dust.

- This can cause it to operate wrong or even possibly failure.

If a foul smell or smoke occurs, pull out the power plug immediately and contact the Customer Service Department.

When moving the product, don't drop it.

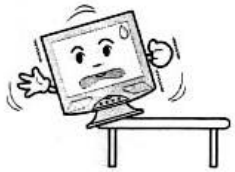
- This can cause failure or possible damage.

Don't place heavy objects on the monitor.

- This can cause failure or damage from dropping to the ground.)

If you're not planning to use it for a long time, then pull out the power plug.

Put it on places that are flat and stable.



If you are using it for a long time, take periodic short breaks.

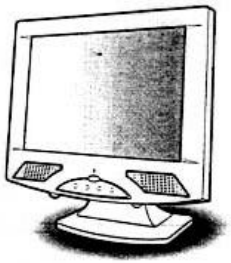
- This relieves eye strain and fatigue.

If there is a thunderstorm or a lightning storm, immediately pull out the power plug.

When cleaning up the product, pull out the power plug for safeness.

If you ever experience problems with the product, then don't use it.

- Otherwise, a fire might break out.
- Therefore, pull out the power plug immediately and contact the Customer Service Department.



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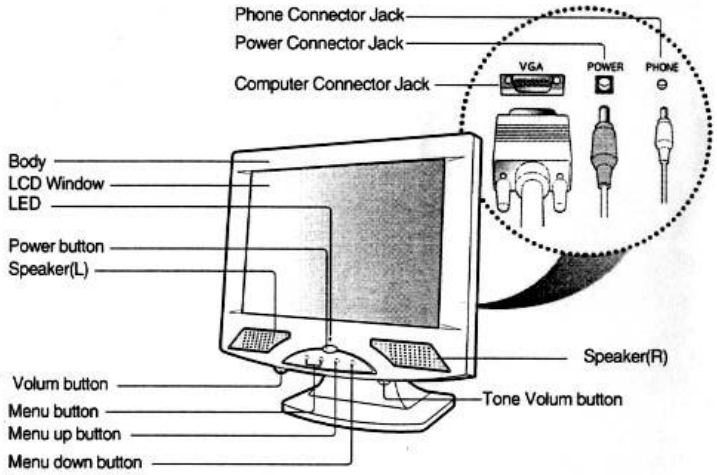
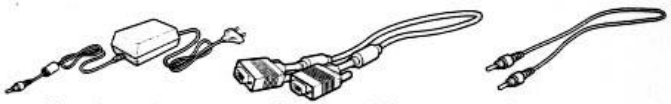
Component Names

■ Part Description



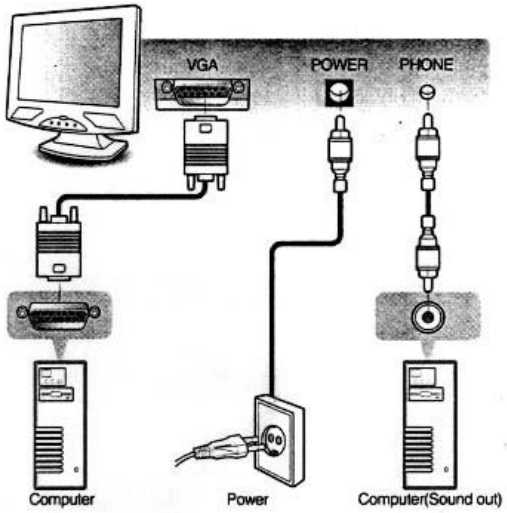
■ ACCESSORIES



Power input adapter Signal cable (VGA) Sound cable

Setup

■ Connecting to the computer



1. Connect the other side of the signal cable to the video port of the computer and then tighten the fixed screws.
   Connect one side of the signal cable to the 15-pin connection screw of the backside and then tighten the fixed screws.
2. Connect the electric codes to the computer and the monitor.
3. A sound cable is connected between the Sound Out port on the back of the computer machine and the Phone port on the back of the LCD-Monitor.

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OSD MENU

Adjustment Buttons

UP button
This is used to set the menu on and move from the bottom of the menu to the top.

DOWN button
This is used to set the menu on and move from the top of the menu to the bottom.

-/+ button
This is used to set the menu on and move from the top of the menu to the bottom.

Simple Screen Tuning

Main Menu
Brightness
Contrast
Color
Position
Image
Misc
Save+EXIT
S 1024×768
H-48 . 4KHz / V-60 . 0Hz

To tune brightness

Main Menu → Brightness → − (DARKER) → + (BRIGHTER)

Brightness	
Brightness	12

To adjust contrast more vividly

Main Menu → Contrast → − (FUZZIER) → + (CLEARER)

Contrast	
Contrast	250

To set the screen's appearance to the most optimal status

Color
RED
GREEN
BLUE
Auto-Balance
Main Menu

Main Menu → Color → RED / GREEN / BLUE → − (Light) → + (Heavy)

RED	
RED	207

GREEN	
RED	199

BLUE	
RED	159

Main Menu → Color → Auto-Balance → −

-To set the screen's appearance to the most optimal status

Color Balance
In Progress

Main Menu ← To return to the main screen — Main Menu → −

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OSD MENU

To set the screen's appearance to the most optimal status

Main Menu → Color → Auto-Balance

To move the screen right and left
Position ▸ H.Position ▸ → ⊖ → ⊖ (MOVE RIGHT) ⊕ (MOVE LEFT)

To move the screen up and down
Position ▸ v.Position ▸ → ⊖ → ⊖ (MOVE UP) ⊕ (MOVE DOWN)

To resize the screen
Position ▸ H. Total ▸ → ⊖ → ⊖ (CONDENSE) ⊕ (EXPAND)

To set the screen to the most optimal position
Position ▸ Auto-Adjustment ▸ → ⊖

Adjustment In Progress

IMAGE

Main Menu → Image ▸

⊙ To adjust up and down spacing (vertical equal density of the screen)

Image ▸ Phase ▸ → ⊖ → ⊖ (Increase Downward) ⊕ (Decrease Upward)

Phase	
Phase	35

⊙ To set up and down spacing to the most optimal status

Image ▸ Auto-Phase → ⊖

Auto-Phase Adjust In Progress

OSD MENU

MISC

Main Menu → Misc ▸

⊙ To adjust the resolution in the DOS mode (720 x 400/640 x 400)

Misc ▸

Misc
DOS/GFX OFF main menu

→ ⊖ ON (Run in DOS) ⊕ OFF (Pause in DOS)

SAVE+EXIT

Main Menu → Save+EXIT ▸

⊙ To save the changes and exit it

Save+EXIT ▸ → ⊖

OTHERS

⊙ The confirming message for power saving mode when the system body is turned off

DPMS Power Save Mode

⊙ When the cable connecting the system and the monitor is pulled out

No Signal Check Signal Cable

⊙ When converting the entire status into the optimal status

Auto Config

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Product Specifications

Screen Size	15.1"	**Weight**	4Kg
LCD Type	Active matrix	**Active display**	307.2 × 230.4mm
Input signal	Analog RGB	**area**	Operation:0°C ~ 40°C, 85%Max
Resolution	720 × 400(DOS MODE) at70Hz	**Environment**	Storage:-20°C ~ 60°C, 90%Max
	640 × 480 at 60Hz ~ 75Hz	**PC Interface**	Analog 0.7Vpp/75Ohms
	800 × 600 at 56Hz ~ 75Hz		Separate sync ITL level
	1024 × 768 at 60Hz to 75Hz		Horizontal sync
	1280 × 1024(SXGA)at 60Hz		Positive/Negative
	(Shrinkable)		Vertical sync
	MAC Format Compatible		Positive/Negative
Brightness	200cd/㎡	**Power**	Management:VESA DPMS with Bi-color(amber + Green)
Contrast ratio	200:1		
Frequency	Horizontal 24.6KHz to 60KHz		Source:100 ~ 220V, 50/60Hz
	Vertical 56.0Hz to 75Hz		Consumption:2.5A, 30W
Dotpitch	0.3mm × 0.3mm	**Plug and Play**	DDC 1 ~ 2B
Viewing angle	Left/right:55°/55°	**Compatibility**	IBM, NEC, Macintosh
	Up/Down:40°/40°	**On screen display control**	Brightness,Contrast
Color available	Unlimited number of color (depends on display card use)		H-Pos, V-Pos
			Auto Positioning
Color depth	262, 144		Auto Phase
Dimensions	380 × 390 × 165mm		Clock, Page
			Auto tuning, information

Warranty

About Services

- We guarantee our products as follows: according to compensation provisions for customers' damage specific to products.
- In case of product problems, contact the corresponding selling agency. (If you can't get help from the selling agency, contact the Customer Service Department.)
- We will respond to your questions related to compensation within 7 days and resolve the compensation for damages within 14 days after we are first notified.

Product Name	
Model Name	
Purchase Date	
Selling Agency	
Selling Price	
Address	

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