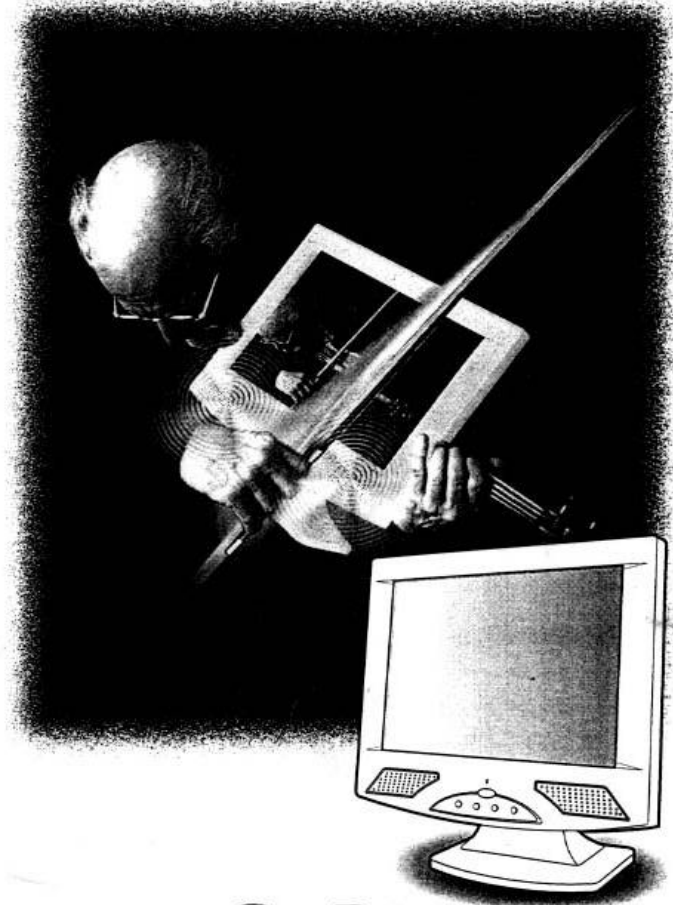


ATTACHMENT E. - USER'S MANUAL

GEMPACK

NO. 324-18, DANGJUNG-DONG KUNPO-SHI, KYUNGKI-DO, KOREA
TEL:+82-(0)2-701-1711, FAX:+82(0)2-701-1712
E-mail:support@gempack.co.kr HOMEPAGE:gempack.co.kr

TFT-LCD MONITOR GPM-151



GEMPACK

HYUNDAI CALIBRATION & CERTIFICATION TECHNOLOGIES CO., LTD.
SAN 136-1, AMI-RI, BUBAL-EUP, ICHEON-SI, KYOUNGI-DO, 467-701, KOREA
TEL : +82 31 639 8518 FAX : +82 31 639 8525

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.

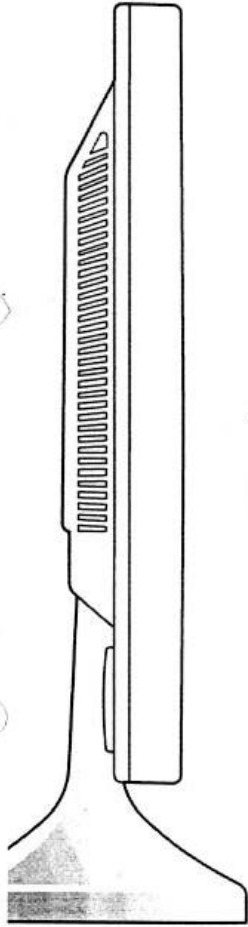
However, there is no guarantee that interference will not occur in a particular installation.

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:

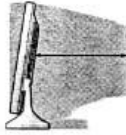
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet of a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for assistance.

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.



1



More Free Space Slim TFT-LCD Monitor

You can save more space due to its 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 eliminating 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 active 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

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Warnings for Safeness	3-4
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Before Requesting Customer Services Support	12
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2



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.



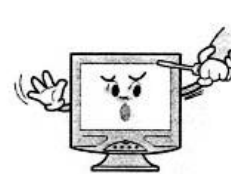
Don't strain the power plug or the electrical code too hard.



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.

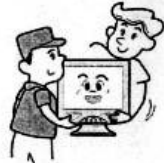


If a foul smell or smoke occurs, pull out the power plug immediately and contact the Customer Service Department.



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.



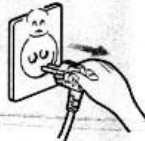
If you are using it for a long time, take periodic short breaks.
○This relieves eye strain and fatigue.



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

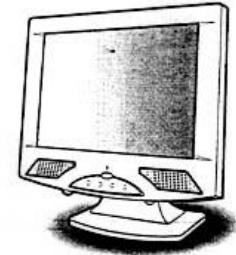


When cleaning up the product, pull out the power plug for safeness.



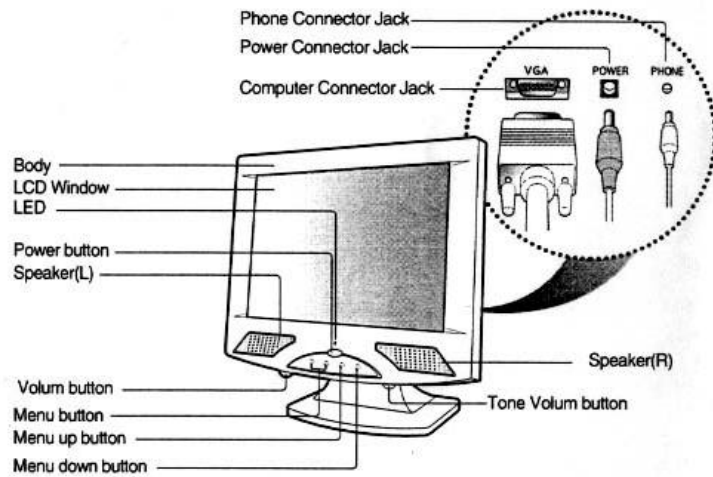
If you ever experience problems with the product, then don't use it.

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

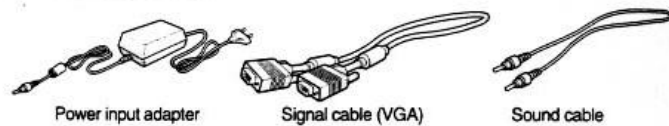


Component Names

Part Description



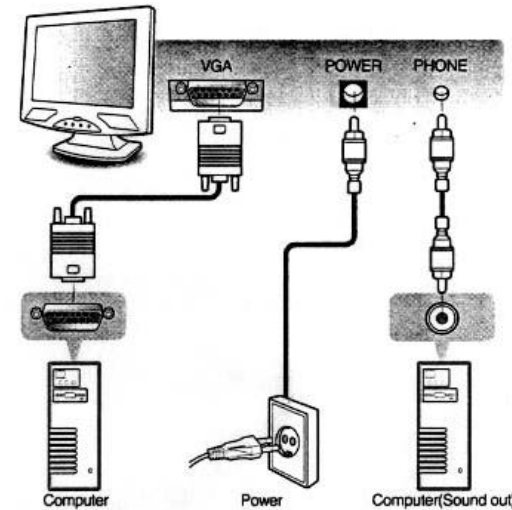
ACCESSORIES



3

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.

6

OSD MENU

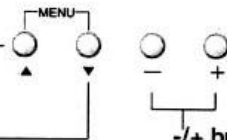
● Adjustment Buttons

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.



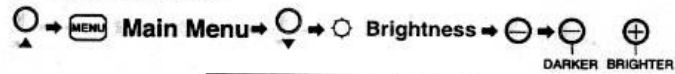
-/+ button

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

● Simple Screen Tuning

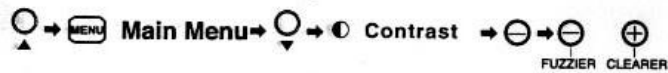
MENU Main Menu	
○ Brightness ▶	
● Contrast ▶	
⊗ Color ▶	
⊞ Position ▶	
⊞ Image ▶	
⊞ Misc ▶	
⊞ Save+EXIT ▶	
S 1024 x 768	
H-48.4KHz / V-60.0Hz	

○ To tune brightness



○ Brightness
○ Brightness 12

● To adjust contrast more vividly



● Contrast
● Contrast 250

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

⊞ Color	
⊞ RED ▶	▶
⊞ GREEN ▶	▶
⊞ BLUE ▶	▶
⊞ Auto-Balance ▶	▶
MENU Main Menu ▶	▶

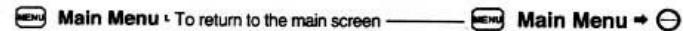


⊞ RED	
⊞ RED	207
⊞ GREEN	
⊞ RED	199
⊞ BLUE	
⊞ RED	159



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

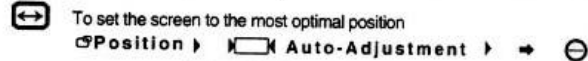
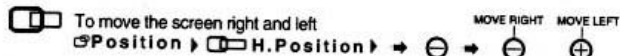
Color Balance In Progress





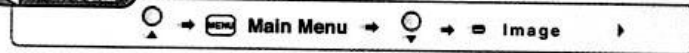
OSD MENU

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

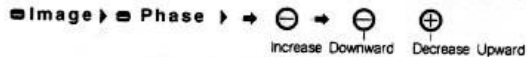


Adjustment
In Progress

IMAGE



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



Phase
 Phase 35

To set up and down spacing to the most optimal status

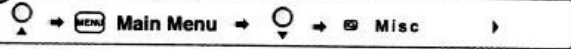


Auto-Phase Adjust
In Progress



OSD MENU

MISC



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



SAVE+EXIT



To save the changes and exit it



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



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(DCS MODE) at 70Hz	Environment	Storage: -20° C ~ 60° C, 90%Max
	640 × 480 at 60Hz ~ 75Hz		Analog 0.7Vpp/75Ohms
	800 × 600 at 56Hz ~ 75Hz		Separate sync TTL level
	1024 × 768 at 60Hz to 75Hz		Horizontal sync
	1280 × 1024(SXGA) at 60Hz		Positive/Negative
	(Shrinkable) MAC Format Compatible		PC Interface
Brightness	200cd/㎡	Power	Management: VESA DPMS with Bi-color(amber + Green)
Contrast ratio	200:1		Source: 100 ~ 220V, 50/60Hz
Frequency	Horizontal 24.6KHz to 60KHz 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°		Brightness, Contrast
Color available	Unlimited number of color (depends on display card use)	On screen display control	H-Pos, V-Pos
Color depth	262, 144		Auto Positioning
Dimensions	380 × 380 × 165mm		Auto Phase
			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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