

6. Driver Installation



After connecting the monitor, download the driver from the manufacturer's website(www.powerlab.net) and start installation. After completing the installation, the monitor is ready for use in the optimum resolution and refresh rate.

1. Turn on the monitor
2. Run the driver installation program "install.exe," from the file downloaded at the manufacturer's website.
3. Select the LCD model number.
4. After selecting the LCD model number, the installation process is executed and completed on automatically.

※ Note: You may use the monitor with Plug & Play support, without installing the driver

※ Note: Further information will be found in the "Help" item of the installation program.

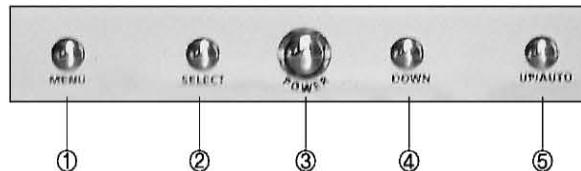
7. Using the OSD (On Screen Display) Menu



This product has an automatic adjusting function, to achieve the optimum picture quality by detecting the input video signals and adjusting automatically.

In order to operate the automatic adjustment manually, press the AUTO ADJUST (UP) button. When the automatic adjustment does not provide a satisfactory picture quality, implement OSD function to adjust the picture quality manually.

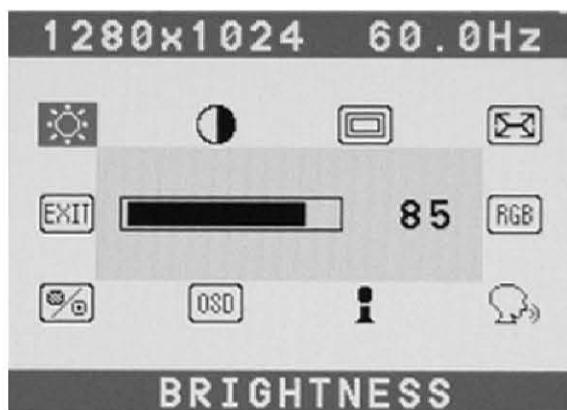
7. Using the OSD (On Screen Display) Menu >>>



1. OSD buttons and functions
1. Menu: Activates the OSD menu and moves to top(prior) menu.
2. Select: Selects items
3. Power: Turns on/off the monitor
4. Down: After selecting a Main Menu item, decreases the value of the item.
※ When the OSD menu is not operating, press the Down button to activate the BRIGHTNESS mode, and adjust with DOWN/UP buttons.
5. UP/AUTO: After selecting a Main Menu item, increases the value of the item.
※ When the OSD menu is not operating, press the UP button to activate AUTO TRACKING.



2. Main Menu >>>



Adjust Brightness

Adjust Contrast

Adjust Position

Adjust Picture Quality

Adjusting Color

Adjusting LANGUAGE

Information

Adjusting OSD

Select INPUT SOURCE

3. Adjusting Brightness / Contrast >>>

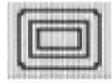


BRIGHTNESS: adjusts the brightness of the screen (0~100)



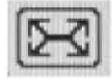
CONTRAST: adjusts the contrast of the screen (0~100)

4. Adjusting Position >>>



HORIZONTAL: moves the position of the screen left and right (0~100)

VERTICAL: moves the position of the screen up and down (0~100)



CLOCK: adjusts the picture quality of the screen (0~100)

VERTICAL: adjusts the phase of the screen. If afterimages appear or the letters overlap, adjust this item. (0~100)

5. Adjusting Color >>>



R: adjusts Red color value. (0~100)

G: adjusts Green color value. (0~100)

B: adjusts Blue color value. (0~100)



8. Standard Signal Support Mode



6. Adjusting Language >>>



OSD LANGUAGE: Select the language of OSD: ENGLISH, DEUTSCH, FRANCAIS, ESPANOL, ITALIANO

If the signals delivered from the computer accord with the following standard signal mode, the screen is adjusted automatically. However, if the signals are different from the standard signal mode, the screen may not appear at all, or only the power signal may be lighted. Therefore, by referring to the video card manual, adjust the value as the following:

- PL-177Dx: supports up to 1280×1024 mode, and the best picture quality can be enjoyed at 1280×1024, 60Hz mode.

7. Adjusting OSD >>>



OSD POSITION: adjusts the position of OSD

OSD TIME: adjusts the deactivation time of OSD. Maximum of 60 seconds can be set to allow maintenance of OSD without any button signals.

8. Selecting INPUT SOURCE >>>



Select Input source

ANALOG/DIGITAL

※ Note: PL-177Dx model selects INPUT SOURCE by automatically selecting the input signal (R.G.B/DVI), without operation of any buttons.

Display Mode		Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (H/V)
640×350	IBM	31.469	70.086	25.175	+/-
640×480	IBM	31.469	59.940	25.175	-/-
640×480	MAC	35.000	66.667	30.240	-/-
640×480	MAC	37.500	75.000	31.500	-/-
640×480	VESA	37.861	72.809	31.500	-/-
720×400	VESA	31.469	70.087	28.322	-/+
800×600	VESA	35.156	56.250	36.000	+,-/+,-
800×600	VESA	37.879	60.317	40.000	+/+
800×600	VESA	46.875	75.000	49.500	+/+
800×600	VESA	48.077	72.188	50.000	+/+
832×624	MAC	49.726	74.551	57.284	-/-
1024×768	MAC	48.363	60.004	65.000	-/-
1024×768	VESA	56.476	70.069	75.000	-/-
1024×768	VESA	60.023	75.029	78.750	+/+
1280×1024	VESA	63.981	60.020	108.00	+/+
1280×1024	VESA	79.976	75.025	135.00	+/+

9. Troubleshooting



Before requesting for service, confirm the following steps. If the monitor does not function properly after performing these steps, please contact the PowerLab customer service center or the location of purchase.

The screen does not appear

- ◆ Is the power cable connected properly?

 connect the power cable again.

- ◆ Is the monitor turned off?

 turn on the monitor by pressing the power button

- ◆ Is the power signal flicking, even though the power is on?

 The power saving function is activating. Move your mouse, or press any key on the keyboard to reactivate the monitor. Verify connection of the video signal cable, which connects the PC and monitor.

- ◆ Does the message 'NO SIGNAL' appear?

 Verify connection of the video signal cable, which connects the PC and monitor.

The screen is not working properly

- ◆ Does the screen display only one color?

 Connect the video signal cable again.

- ◆ Is the focus dim?

 Due to the characteristics of LCD, the best picture quality can be enjoyed at 1280×1024 (SXGA), 60Hz mode. The focus may be a bit dim under settings of VGA(640×480), SVGA(800×600), etc.

- ◆ Do you see any spots?

 The LCD panel used in the monitor, due to the technological limitations of the manufacturing process, shows 1PPM (one out of a million) of the pixels brighter or darker. However, this does not impair the function of the product.

※ Note: the number of pixels of the LCD panels are 2,359,296 for 15-inch monitors, and 3,932,160 for 17 and 19-inch monitors, respectively.

10. Product Specifications



Model		PL-177DX
LCD Panel	Screen Size	17 inches
	Method	a-Si TFT active matrix
	Optimum resolution	1280×1024 @ 60Hz (SXGA)
	Greatest resolution	1280×1024 @ 75Hz (SXGA)
	Color	1,670,000 colors
	Pixel pitch	0.264×0.264 mm
	Manufacturer	Samsung
Input/Output signal		RGB Analog / DVI Digital
Input terminal		15-pin D-sub cable / DVI-D
동기	Horizontal frequency	30~80 KHz
	Vertical frequency	56~75 Hz
Plug & Play function		VESA DDC 2B compatible
Wall-mount		VESA 75mm
Safety Standard		MIC, FCC
Power consumption	Activated	35W (maximum)
	Power saving	4W or less
Measurement (width×height×depth)	Monitor	367×380×170mm
	Box	424×400×208mm
Weight (Kg)	Monitor	5.8 Kg
	Box	7.0 Kg

※ Note: These specifications are subject to change without notice

11. Product Guarantee / Warranty



[Customer damage compensation standard]

Digital Alliance Co. Ltd., according to the Notice No. 2000-21 of the Ministry of Finance and Economy, guarantees the product as follows.

1. General regulations on damage compensation

- 1) Quality Guarantee - 1 year from the date of purchase
- 2) Feasibility of compensation and notification of details - within 7 days from the request for compensation.
- 3) Administration period - within 14 days from the notification date.
- 4) Holding of parts and accessories - 5 years

Type of Customer Damage	Compensation Standard
Defects of the product	repair, free of charge
when major repair is required (except the case when normal operation is feasible after replacing parts)	10 days after purchase 1 month after purchase 1 month after exchange
Repetitive malfunctions from a defect after 3 repairs (fourth)	product exchange, or refund at purchased price
Repetitive malfunctions after 4 repairs from multiple defects (fifth)	product exchange
Loss of the product, requested for repair by customer	refund at purchased price
Repair not feasible for not possessing the parts	Defect of the product malfunction due to carelessness, negligence of the customer
Damages occurred during delivery or installation of the product by the company	fee equivalent to repair charge and product exchange product exchange

2. Customer damage compensation standard

- 1) In the Quality Guarantee period
compensated only in cases of defects in function and/or performance occurred during ordinary operation.
- 2) After the Quality Guarantee period

Damages of the Customer	Compensation Standard
Capable of repairing	Charged repair
Not capable of repairing	According to the bylaws of the company

3. When not meeting the conditions of Quality Guarantee

The following situations do not fall under the conditions of product guarantee, and are subject to charged repair, even in the guarantee period.

- 1) damages caused by customer's intention or negligence
- 2) malfunction caused by modification or reconstruction of structure, function, and performance of the product by a person who is not an appointed by the company.
- 3) malfunction caused by abnormal power source.
- 4) malfunction caused by inferior connected devices
- 5) when the life cycle of parts are ended: expendables
- 6) malfunction or defects caused by natural disasters
- 7) explanation of use, cleaning the product, issues related with reinstallation.



Product Warranty

Concerning the service

- ◇ We, Digital Alliance Co. Ltd., according to the Notice No. 2000-21 of the Ministry of Finance and Economy, guarantees the product as the item 11 above.
- ◇ When requesting service, contact the service contractors or the customer service team of Digital Alliance Co. Ltd.
- ◇ This product is manufactured for home use, and when the product is employed for commercial uses, the guarantee period is reduced to half.
- ◇ The parts will be held for 5 years.

Product	TFT LCD 모니터	Model No.	
Purchased Date		Serial No.	
Agency		Price of purchase	

PowerLab
Digital Alliance Co. Ltd.

the contents of this guide are subject to change without notice for enhance of performance.

©Digital Alliance Co. Ltd.

◆ The copyright of this book is owned by Digital Alliance Co. Ltd., and therefore it is prohibited to use or copy a part or all of this book without the permission of Digital Alliance Co. Ltd..

◆ Power Lab™ is a registered trademark of Digital Alliance Co. Ltd.

◆ Microsoft™, Microsoft Windows™, and Windows NT™ are registered trademarks of Microsoft Co. Ltd.

◆ VESA™, DPMS™, and DDC™ are registered trademarks of Video Electronics Standard Association.

◆ All other trademarks are properties of concerned right holders.

12. FCC NOTICE

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.

NOTE: The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to equipment.

Such modifications could void the user's authority to operate the equipment.

PowerLab Customer Service Center POC(02)703-6783

Yongsan-Gu, Hangangno2-Ga, 16-1 Seonin Sanga 22-5030, Seoul

Digital Alliance Co. Ltd., Kyungki-Do, Koyang-Si, Ilsan-Gu, Beopgot-Dong 1126

URL : www.power-lab.net