



PL1910W  
LCD Monitor

USER'S GUIDE

[www.planar.com](http://www.planar.com)



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# I Preface

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## **FCC Statement Warning**

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 instruction, 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:

- Reposition or relocate the receiving antenna.
- Increase the separation between the equipment and the 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 monitor technician for help.

## **Warning**

Use only shielded signal cables to connect I/O devices to this equipment. You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This device complies with part 15 FCC Rules. Operation is subject to the following two conditions(1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.

## Canadian DOC Notice



This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel

## Important Recycle Instruction:



Lamp(s) inside this product contain mercury. This product may contain other electronic waste that can be hazardous if not disposed of properly. Recycle or dispose in accordance with local, state, or federal Laws. For more information, contact the Electronic Industries Alliance at [WWW.EIAE.ORG](http://WWW.EIAE.ORG). For lamp specific disposal information check [WWW.LAMPRECYCLE.ORG](http://WWW.LAMPRECYCLE.ORG).

Contains Mercury, Dispose of Properly



## **Safety Precaution**

Avoid placing the monitor, or any other heavy object, on the power cord to prevent it from fire or electrical shock.

Do not expose the monitor to rain, excessive moisture, or dust to avoid fire or shock hazard.

Do not cover the slots or openings of the monitor for proper heat dissipation.

Always put the monitor in a place where there is adequate ventilation.

Avoid placing the monitor against a bright background or where sunlight or other light sources may reflect on the face of the monitor. Place the monitor just below eye level.

Handle with care when transporting the monitor.

Refrain from giving shock or scratch to the screen, as screen is fragile.

For displays with glossy bezels the user should consider the placement of the display as the bezel may cause disturbing reflections from surrounding light and bright surfaces.

## **Cleaning Your Monitor**

Please carefully follow the guidelines below when cleaning the monitor.

Always unplug the monitor before cleaning.

Use a soft cloth to wipe the screen and cabinet front and sides.

## **About Power Cable**

Check first to make sure that the power cord you use is the correct type required for your area.

This monitor has a universal power supply that allows operation in either 100/120V AC or 220/240 V AC voltage area. No user-adjustment is required.

Plug one end of the power cord to the AC Inlet, plug another end to a proper AC outlet.

For unit using at 120 V AC: Use a UL Listed Cord Set, Type SVT wire and plug rated 10 A/125 V.

For unit using at 220/240 V AC (outside of U.S.): Use a Cord Set consisting of H05VV-F cord and plug rated 10 A, 250 V. The cord set should have the appropriate safety approvals for the country in which the equipment will be installed.

# | Installation

## **Introduction**

Congratulations on your purchase of PL1910W, a high performance 18.5 inch wide color TFT LCD monitor.

## **Features**

- \* 18.5" TFT Color LCD monitor
- \* 16:9 Widescreen
- \* Recommended resolution: 1366 x 768 @ 60Hz
- \* Direct analog signal input
- \* Direct digital signal input
- \* Auto adjustment function
- \* Multilingual OSD user control
- \* Kensington security slot
- \* 100mm VESA mount
- \* Compact, space saving, sleek cabinet design.

# Unpacking

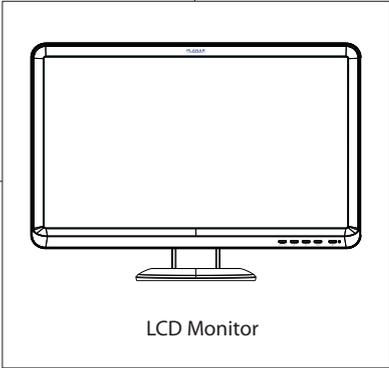
Please check that the following items are present when you unpack the box.  
We recommend you save the packaging for future use.



User Guide



AC Power Cord



LCD Monitor



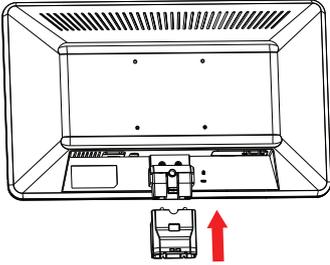
15-pin D-Sub Cable



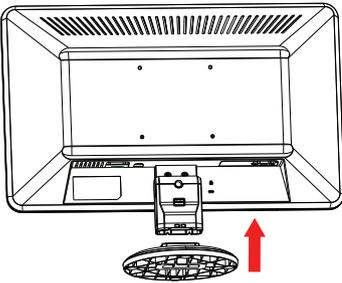
DVI Cable

## Attaching the Base:

1. Lay the TFT LCD monitor on a flat surface with the LCD screen face down.  
To prevent the monitor from being scratched, put a soft cloth on the table.
2. Unpack the stand and attach to monitor as shown.

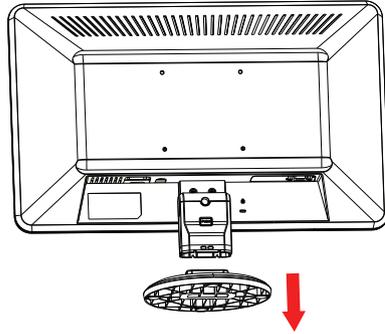
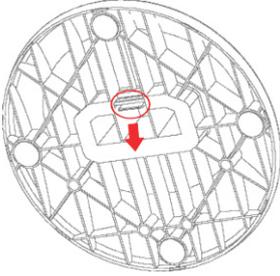


3. Unpack the base and attach to stand as shown.

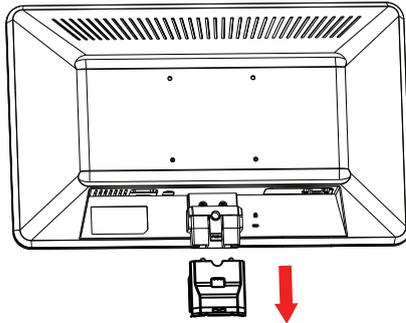
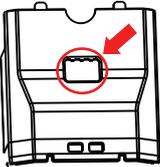


## Removing the Base

1. Lay the TFT LCD monitor on a flat surface with the LCD screen face down.  
To prevent the monitor from being scratched, put a soft cloth on the table.
2. Press the release button on the base while pulling away from the stand.

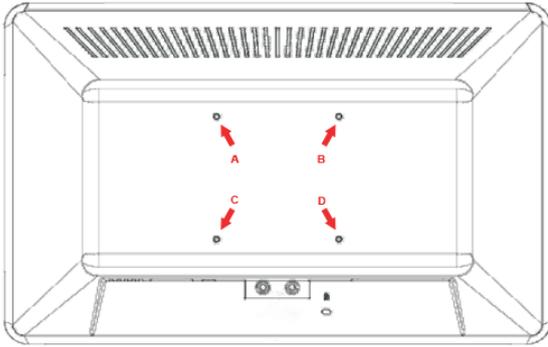


3. Press the release button on the stand while pulling away from the monitor.



## Preparing The Monitor For Wall-Mounting

1. Check the stability of the wall-mounting fixture.
2. The rear of this LCD display has 4 integrated 4 mm, 0.7 pitches threaded nuts.



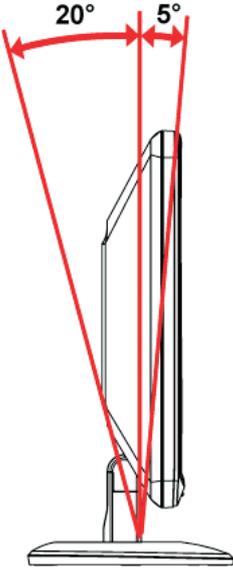
Use the four holes (A), (B), (C), and (D) to attach the swing arm or other mounting fixture to the back of the monitor with screws (not supplied).

**Note:** The distance of wall-mount is 100mm x 100mm.  
Please use M 4mm x 10mm (L) Screw for this application.

3. Follow the instructions included with the mounting fixture to ensure that the monitor is safely attached.  
The four threaded holes that are on the back of the panel are compliant with the VESA standard for mounting flat-panel monitors.
4. Attach a swing arm or other mounting fixture.

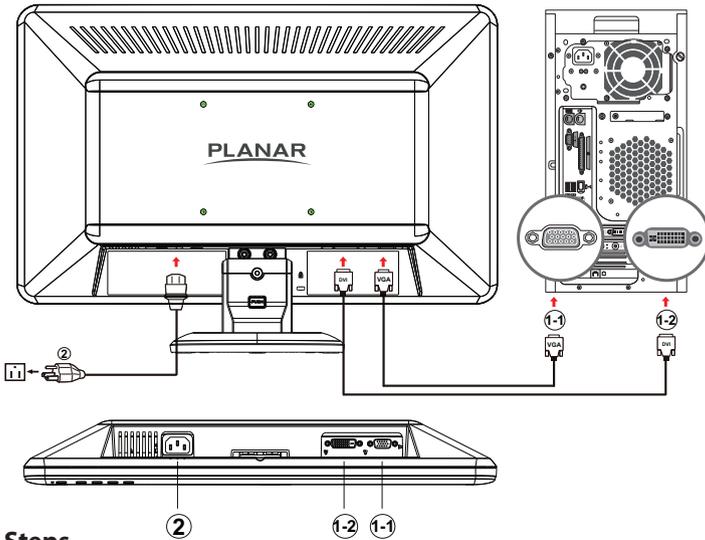
## Screen Position Adjustment

In order to optimize the best viewing position, you can adjust the tilt of the monitor as shown in the figure below.



## Connecting Cables

To install the monitor to your host system, please follow the steps as given below:

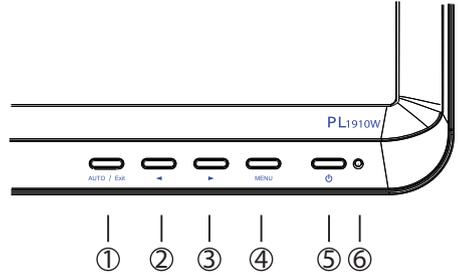
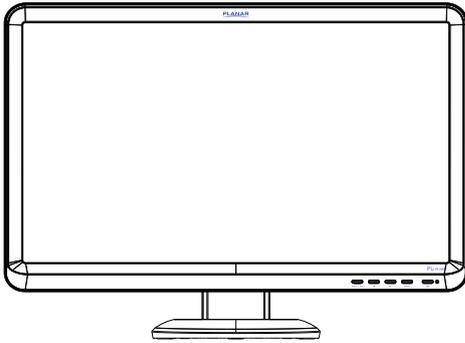


### Steps

1. Connect one of the cables: VGA or DVI.
  - 1-1. Connect VGA Cable
    - a. Make sure both the monitor and computer are turned off.
    - b. Connect the VGA video cable to the computer.
  - 1-2. Connect DVI Cable
    - a. Make sure both the monitor and computer are turned off.
    - b. Connect the DVI cable to the computer.
2. Connect power cord  
Connect the power cord to the monitor, then to a properly grounded AC outlet.
3. Turn on the monitor and computer  
Turn on the monitor first, then turn on the computer.  
This sequence is very important.
4. If the monitor still does not function properly, please refer to the troubleshooting section to diagnose the problem.

# Display Controls

## Front Panel Controls



Icon	Description
1  AUTO / Exit	Auto adjust screen display . Press 5 seconds to auto detect the input source or manually select the input source of VGA or DVI.
2 	Backward selection of the OSD menu. Decrease the value after sub-menu selected.
3 	Forward selection of the OSD menu. Increase the value after sub-menu selected.
4  MENU	Displays the OSD menu on the screen. Selects the OSD sub-menu.
5 	Turns the monitor on or off .
6  Power LED	Lights up to indicate the power status.

## OSD Lock Function

OSD lock – all 4 buttons are locked except the “POWER” button.

When monitor is in normal condition, press the “Menu” and “▶” buttons to lock the OSD function.

Then press the “Menu” and “▶” button to unlock the OSD function.

The monitor will show the “OSD Lock” or “OSD Unlock” message for 3 seconds and it will disappear automatically.



## All Lock Function

OSD & Power button lock – all 5 buttons including the “POWER” button are locked.

When monitor is in normal condition, hold “Auto/Exit” and “◀” button to lock all the keys’ function.

Repeat this step to unlock.

The monitor will show the “All Lock” or “All Unlock” message for 3 seconds and it will disappear automatically.



## OSD Operation

Pressing the MENU button brings up the first level menu. This menu button is also used to enter the sub-OSD menu .

Picture	Item	Content
Picture	Brightness	Adjusts brightness.
OSD	Contrast	Adjusts contrast.
Display	H. Position	Adjusts picture's horizontal position.
Miscellaneous	V. Position	Adjusts picture's vertical position.
Information	Focus	Adjusts phase to reduce horizontal line noise.
	Clock	Adjusts clock to reduce vertical line noise.
	Color Temp	Adjusts to different color temperatures (6500/7500/9300/User).
	Auto Adjust	Automatically adjusts all image parameters to optimal settings.
1366x768		

OSD	Item	Content
Picture	H. Position	Adjusts the OSD menu's horizontal position.
OSD	V. Position	Adjusts the OSD menu's vertical position.
Display	OSD Timeout	Adjusts how long OSD menu remains open.
Miscellaneous		
Information		
1366x768		

Display	Item	Content
Picture	Display Mode	Expands image to full screen or 4:3.
OSD	Preset Modes	Selects between different preset modes.
Display	ECO	If on, sets the monitor to a decreased backlight value.
Miscellaneous	Sharpness	Adjusts clarity and sharpness.
Information		
1366x768		



# Technical Information

## Specifications

<b>Model Name</b>	<b>Planar PL1910W</b>
<b>LCD Display</b>	
Display Type	18.5" TFT LCD
Display Area	409.8 mm(H) x 230.4 mm(V)
<b>Input</b>	
Voltage	100-240Vac
Frequency	F <sub>H</sub> : 30-61 kHz, F <sub>V</sub> : 50-75 Hz
<b>Operational Features</b>	
Display Colors	16.7M
Resolution	1366x768 @ 60 Hz (max.)
Interface	Analog RGB, Digital RGB
<b>Input Connector</b>	VGA,DVI
<b>Physical Specification</b>	
Dimension (H x W x D)	329 x 447 x 162 (mm)
Net Weight	3.2 kg
<b>Power</b>	
Power on Consumption (Green)	23 W
Power Saving (Amber)	<1 W
Power DC-Off (No Light)	<1 W
<b>Temperature</b>	
Operating Temperature:	5 - 35 °C
Storage Temperature:	-25 - 60 °C
<b>Humidity</b>	
Operating Humidity:	20%-90%
Storage Humidity:	5%-90%
<b>Safety &amp; EMI</b>	UL, CB, FCC-B,CE
<b>Plug and Play</b>	Supports VESA DDC2B functions

\* All specifications are subject to change without notice.

## Supported Timing

Resolution	
IBM, VGA	640x480 @ 60Hz
Apple, Mac II	640 x 480 @ 67Hz
VESA	640x480 @ 72Hz
VESA	640x480 @ 75Hz
VGA	720x400 @ 70Hz
VESA	800x600 @ 56Hz
VESA	800x600 @ 60Hz
VESA	800x600 @ 72Hz
VESA	800x600 @ 75Hz
Apple, Mac II	832 x 624 @74.55Hz
VESA	1024x768 @ 60Hz
VESA	1024x768 @ 70Hz
VESA	1024x768 @ 75Hz
CEA	1280x720 @ 60Hz
CVT	1280x800 @ 60Hz
VESA	1366x768 @ 60Hz

# Troubleshooting

Before sending your LCD monitor for servicing, please check the troubleshooting list below to see if you can self-diagnose the problem.

## (VGA Mode)

Problems	Current Status	Remedy
No Picture	LED ON	Using OSD, adjust brightness and contrast to maximum or reset to their default settings.
	LED OFF	Check the power switch.
		Check if AC power cord is properly connected to the monitor.
LED displays amber color	Check if video signal cable is properly connected to the monitor.	
	Check if the power of computer system is ON.	
Abnormal Picture	Unstable Picture	Check if the specification of graphics adapter and
	Display is missing, center shift, or too small or too large in display size	Using OSD, adjust RESOLUTION, CLOCK, CLOCK-PHASE, H-POSITION and V-POSITION with non-standard signals.
		Using OSD, in case of missing full-screen image, please select other resolution or other vertical refresh timing.
	Wait for a few seconds after adjusting the size of the image before changing or disconnecting the signal cable or powering OFF the monitor.	

## (DVI Mode)

Problems	Current Status	Remedy
No Picture	LED ON	Using OSD, adjust brightness and contrast to maximum or reset to their default settings.
	LED OFF	Check the power switch.
		Check if AC power cord is properly connected to the monitor.
LED displays amber color	Check if video signal cable is properly connected to the monitor.	
	Check if the power of computer system is ON.	

# Product Registration and Technical Support

## **Register Your Planar Products Today**

Thank you choosing Planar. To assure you receive all the benefits of your Planar product and services, register your Planar product today.

Visit our website to register your product at

[http://www.planar.com/support/product\\_registration.html](http://www.planar.com/support/product_registration.html)

## **Cables, Replacement Lamps, Accessories**

To find cables, replacement lamps and accessories for your Planar projector, LCD monitor, touch screen or other Planar products visit our online store at [www.PlanarOnline.com](http://www.PlanarOnline.com) or find other stores who carry Planar products at <http://www.planar.com/howtobuy>

## **Technical Support**

Visit Planar at <http://www.planar.com/support> for product registration, operations manuals, touch screen drivers, warranty information and access to Planar's Technical Library for online troubleshooting.

To speak with Planar Customer Support please have you model and serial number available and dial:

## **Planar Support**

Tel: 1-866-PLANAR1 (866-752-6271) or +1 503-748-5799 outside the US.

Hours: 24 hours a day, 7 days a week.

**Toll or long distance charges may apply.**





## **Planar Systems, Inc.**

Customer Service

24x7 Online Technical Support: <http://www.planar.com/support>

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