User's Guide DELL P2014H

Model No.: P2014H Regulatory model: P2014Ht



NOTE: A NOTE indicates important information that helps you make better use of your computer.

△ **CAUTION:** A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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Windows 8

About Your Monitor

Package Contents

Your monitor ships with the components shown below. Ensure that you have received all the components and <u>contact Dell</u> if something is missing.

- **NOTE:** Some items may be optional and may not ship with your monitor. Some features or media may not be available in certain countries.
- **NOTE:** To set up with any other stand, please refer to the respective stand setup guide for setup instructions.



Power Cable (varies by countries)
VGA Cable
DisplayPort Cable
USB Upstream Cable (enables the USB ports on the monitor)
 Drivers and Documentation Media Quick Setup Guide Product and Safety Information Guide

Product Features

The Dell **P2014H** flat panel display has an active matrix, thin-film transistor (TFT), liquid crystal display (LCD), and LED backlight. The monitor features include:

- 49.41 cm (19.5 inch) active area display (Measured diagonally) 1600 x 900 resolution, plus full-screen support for lower resolutions.
- Tilt, swivel, vertical extension and rotate adjustment capabilities.
- Removable pedestal and Video Electronics Standards Association (VESATM) 100 mm mounting holes for flexible mounting solutions.
- Plug and play capability if supported by your system.
- On-Screen Display (OSD) adjustments for ease of set-up and screen optimization.
- Software and documentation media includes an information file (INF), Image color Matching File (ICM), Dell Display Manager software application and product documentation. Dell Display Manager included (comes in the CD attached with the monitor).
- Security lock slot.
- Stand lock.
- Asset Management Capability.
- Energy Star Compliant.
- EPEAT Gold Compliant.
- RoHS compliant.
- BFR/PVC- reduced.
- Arsenic-Free glass and Mercury Free for Panel only.
- Energy Gauge shows the energy level being consumed by the monitor in real time.
- TCO Certified Displays.

Identifying Parts and Controls

Front View



Lá	abel	Description
1.		Function buttons (For more information, see <u>Operating the Monitor</u>)
2.		Power On/Off button (with LED indicator)

Back View

Back view	Back view with monitor stand

Label	Description	Use	
1	. VESA mounting holes (100 Wall mount monitor using VE mm x 100 mm - behind attached VESA Cover) 100 mm).		
2	Regulatory label	Lists the regulatory approvals.	
3	Security lock slot	Use a security lock to secure the monitor. (security lock not included).	
4	Barcode serial number label Refer to this label if you need to cor Dell for technical support.		
5	Stand release button	Release stand from monitor.	
6	Dell Soundbar mounting slots	unting Attaches the optional Dell Soundbar.	
7	Cable management slot	Use to organize cables by placing them through the slot.	

Side View



Bottom View



Label	Description	Use	
1.	AC power connector	To connect the monitor power cable.	
2.	DP connector	Connect your computer DP cable.	
3	DVI connector	To connect your computer to the monitor using a DVI cable.	
4	VGA connector	To connect your computer to the monitor using a VGA cable.	
5	USB upstream port	Connect the USB cable that came with your monitor to the monitor and the computer. Once this cable is connected, you can use the USB connectors on the monitor.	

6	USB downstream port	Connect your USB device. You can only use this connector after you have connected the USB cable to the computer and USB upstream connector on the monitor.
7	Stand lock	To disable the stand release button and lock the stand assembly using an M3 X 6 mm screw (screw not included).

Monitor Specifications

Flat Panel Specifications

Screen type	Active matrix - TFT LCD			
Panel type	In plane switching			
Viewable image dimensions				
Diagonal	49.41 cm (19.5 inches)			
Horizontal Active Area	433.92 mm (17.08 inches)			
Vertical Active Area	236.34 mm (9.30 inches)			
Area	102552.65 mm ² (158.96 inch ²)			
Pixel pitch	0.2712 (H) mm x 0.2626 (V) mm			
Viewing angle	178° (vertical) typ, 178° (horizontal) typical			
Luminance output	250 cd/m²(typical)			
Contrast ratio	1000:1 (typical)			
Faceplate coating	AG type,Haze 25%, hard-coating 3H			
Backlight	LED edgelight system			
Response Time	8ms Typ. g-to-g with OD			
Color depth	16.7 million colors			
Color gamut (Typical)	83%* (CIE1976)			

*[P2014Ht] color gamut (typical) is based on CIE1976 (83%) and CIE1931 (72%) test standards.

Resolution Specifications

Horizontal scan range	30 kHz to 83 kHz (automatic)
Vertical scan range	56 Hz to 76 Hz (automatic)
Maximum resolution	1600 x 900 at 60 Hz

Video Supported Modes

Video display capabilities (DVI playback)	480p, 576p, 720p, 1080p and 1080i
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Preset Display Modes

Display Mode	Horizontal	Vertical	Pixel Clock	Sync Polarity
	Frequency	Frequency	(MHz)	(Horizontal/
	(kHz)	(Hz)		Vertical)
720 x 400	31.5	70.0	28.3	-/+
640 x 480	31.5	60.0	25.2	-/-
640 x 480	37.5	75.0	31.5	-/-
800 x 600	37.9	60.0	40.0	+/+
800 x 600	46.9	75.0	49.5	+/+
1024 x 768	48.4	60.0	65.0	-/-
1024 x 768	60.0	75.0	78.8	+/+
1152 x 864	67.5	75.0	108.0	+/+
1280 x 1024	64.0	60.0	108.0	+/+
1280 x 1024	80.0	75.0	135.0	+/+
1600 x 900	60.0	60.0	97.75	+/-

Electrical Specifications

Video input signals	 Analog RGB, 0.7 Volts +/-5%, positive polarity at 75 ohm input impedance Digital DVI-D TMDS, 600mV for each differential line, positive polarity at 50 ohm input impedance 	
	DP 1.2 signal input support	
Synchronization input signals	Separate horizontal and vertical synchronizations, polarity-free TTL level, SOG (Composite SYNC on green)	
AC input voltage/ frequency/current	100 to 240 VAC/50 or 60 Hz + 3 Hz/1.5 A (Max.)	
Inrush current	120 V:30 A (Max.) 240 V:60 A (Max.)	

Physical Characteristics

Connector type	15-pin D-subminiature, blue connec- tor; DVI-D, white connector; DP, black connector		
Signal cable type	Digital: Detachable, DVI-D, Solid pins. Analog: Detachable, D-Sub, 15 pins		
Dimensions (with stand)			
Height(extended)	467.9 mm (18.42 inches)		
Height(compressed)	354.2 mm (13.94 inches)		
Width	470.5 mm (18.52 inches)		
Depth	180.0 mm (7.09 inches)		
Dimensions (without stand)			
Height	272.9 mm (10.74 inches)		
Width	470.5 mm (18.52 inches)		
Depth	46.5 mm (1.83 inches)		
Stand dimensions			
Height (extended)	399.7 mm (15.74 inches)		
Height(compressed)	354.2 mm (13.94 inches)		
Width	225.0 mm (8.86 inches)		
Depth	180.0 mm (7.09 inches)		
Weight			
Weight with packaging	6.17 kg (13.57 lb)		
Weight with stand assembly and cables	4.58 kg (10.08 lb)		
Weight without stand assembly (For wall mount or VESA mount considerations - no cables)	2.48 kg (5.46 lb)		
Weight of stand assembly	1.87 kg (4.11 lb)		

Environmental Characteristics

Temperature	
Operating	0 °C to 40 °C
Non-operating	Storage: -20 °C to 60°C (-4 °F to 140 °F) Shipping: -20 °C to 60°C (-4 °F to 140 °F)

Humidity			
Operating	10% to 80% (non-condensing)		
Non-operating	Storage: 5% to 90% (non-condensing) Shipping: 5% to 90% (non-condensing)		
Altitude			
Operating	5,000 m (16,400 ft) max		
Non-operating 12191.41 m (40,000 ft) max			
Thermal dissipation	122.84 BTU/hour (maximum) 68.24 BTU/hour (typical)		

Power Management Modes

If you have VESA's DPMTM compliance display card or software installed in your PC, the monitor can automatically reduce its power consumption when not in use. This is referred to as Power Save Mode. If the computer detects input from keyboard, mouse, or other input devices, the monitor automatically resumes functioning. The following table shows the power consumption and signaling of this automatic power saving feature:

VESA Modes	Horizon- tal Sync	Ver- tical Sync	Video	Power Indicator	Power Consump- tion
Normal operation	Active	Active	Active	White	20 W (typical) 36 W (maximum)
Active-off mode	Inactive	Inactive	Blanked	Glowing White	Less than 0.3 W
Switch off	-	-	-	Off	Less than 0.3 W

The OSD function will only in the normal operation mode. When any button is pressed in Active-off mode, the following message will be displayed:

Dell P2014H

There is no signal coming from your computer. Press any key on the keyboard or move the mouse to wake it up. If there is no display, press the monitor button now to select the correct input source on the On-Screen-Display menu.

Activate the computer and the monitor to gain access to the OSD.





NOTE: This monitor is ENERGY STAR[®]-compliant. ENERGY STAR
 NOTE: Zero power consumption in OFF mode can only be achieved by disconnecting the main cable from the monitor.

Pin Assignments

VGA Connector



Pin Number	15-pin Side of the Connected Signal Cable
1	Video-Red
2	Video-Green
3	Video-Blue
4	GND
5	Self-test
6	GND-R
7	GND-G
8	GND-B
9	Computer 5V/3.3V
10	GND-sync
11	GND
12	DDC data
13	H-sync
14	V-sync
15	DDC clock

DVI Connector



Pin Number	24-pin Side of the Connected Signal Cable
1	TMDS RX2-
2	TMDS RX2+
3	TMDS Ground
4	Floating
5	Floating
6	DDC Clock
7	DDC Data
8	Floating
9	TMDS RX1-
10	TMDS RX1+
11	TMDS Ground
12	Floating
13	Floating
14	+5V/+3.3V power
15	Self test
16	Hot Plug Detect
17	TMDS RX0-
18	TMDS RX0+
19	TMDS Ground
20	Floating
21	Floating
22	TMDS Ground
23	TMDS Clock+
24	TMDS Clock-

Displayport Connector



Pin Number	20-pin Side of the ConnectedSignal Cable
1	MLO(p)
2	GND
3	MLO(n)
4	ML1(p)
5	GND
6	ML1(n)
7	ML2(p)
8	GND
9	ML2(n)
10	ML3(p)
11	GND
12	ML3(n)
13	GND
14	GND
15	AUX(p)
16	GND
17	AUX(n)
18	HPD
19	Re-PWR
20	PWR

Plug and Play Capability

You can install the monitor in any Plug and Play-compatible system. The monitor automatically provides the computer system with its Extended

Display Identification Data (EDID) using Display Data Channel (DDC) protocols so the system can configure itself and optimize the monitor settings. Most monitor installations are automatic; you can select different settings if desired. For more information about changing the monitor settings, see Operating the Monitor.

Universal Serial Bus (USB) Interface

This section gives you information about the USB ports that are available on the monitor.



NOTE: This monitor supports High-Speed Certified USB 2.0 interface.

Transfer Speed	DataRate	Power Consumption
High speed	480 Mbps	2.5 W (Max, each port)
Full speed	12 Mbps	2.5 W (Max, each port)
Low speed	1.5 Mbps	2.5 W (Max, each port)

USB Upstream Connector



Pin Number	4-pin Side of the Connector	
1	DMU	
2	VCC	
3	DPU	
4	GND	

USB Downstream Connector



Pin Number	4-pin Side of the Connector
1	VCC
2	DMD
3	DPD
4	GND

USB Ports

- 1 upstream back
- 4 downstream back

IJ

NOTE: USB 2.0 functionality requires a USB 2.0-capable computer.

NOTE: The monitor's USB interface works only when the monitor is On or in the power save mode. If you turn Off the monitor and then turn it On, the attached peripherals may take a few seconds to resume normal functionality.

LCD Monitor Quality and Pixel Policy

During the LCD Monitor manufacturing process, it is not uncommon for one or more pixels to become fixed in an unchanging state which are hard to see and do not affect the display quality or usability. For more information on Dell Monitor Quality and Pixel Policy, see Dell Support site at

http://www.dell.com/support/monitors.

Maintenance Guidelines

Cleaning Your Monitor

MARNING: Read and follow the <u>safety instructions</u> before cleaning the monitor.

WARNING: Before cleaning the monitor, unplug the monitor power cable from the electrical outlet.

For best practices, follow the instructions in the list below while unpacking, cleaning, or handling your monitor:

- To clean your antistatic screen, lightly dampen a soft, clean cloth with water. If possible, use a special screen-cleaning tissue or solution suitable for the antistatic coating. Do not use benzene, thinner, ammonia, abrasive cleaners, or compressed air.
- Use a lightly-dampened, warm cloth to clean the monitor. Avoid using detergent of any kind as some detergents leave a milky film on the monitor.
- If you notice white powder when you unpack your monitor, wipe it off with a cloth.
- Handle your monitor with care as dark-colored monitors may scratch and show white scuff marks more than light-colored monitors.
- To help maintain the best image quality on your monitor, use a dynamically changing screen saver and turn off your monitor when not in use.

Setting Up the Monitor

Attaching the Stand

- **NOTE:** The stand is detached from monitor when it is shipped from the factory.
- **NOTE:** This is applicable for a monitor with a stand. When any other stand is bought, please refer to the respective stand setup guide for set up instructions.



To attach the monitor stand:

- 1. Remove the cover and place the monitor on it.
- 2. Fit the two tabs on the upper part of the stand to the groove on the back of the monitor.
- 3. Press the stand till it snaps into its place.

Connecting Your Monitor

WARNING: Before you begin any of the procedures in this section, follow the <u>Safety Instructions</u>.

To connect your monitor to the computer:

- 1. Turn off your computer and disconnect the power cable.
- 2. Connect either the white (digital DVI-D) or the blue (analog VGA) display connector cable or the black(DisplayPort) to the corresponding video port on the back of your computer. Do not connect both cables on the same computer. Use both the cables only when they are connected to two different computers with appropriate video systems.

Connecting the White DVI Cable



Connecting the Blue VGA Cable



Connecting the black DisplayPort Cable





CAUTION: The graphics are used for the purpose of illustration only. Appearance of the computer may vary.

Connecting the USB Cable

After you have completed connecting the DVI/VGA/DisplayPort cable, follow the procedures below to connect the USB cable to the computer and complete your monitor setup:

1. Connect the upstream USB port (cable supplied) to an appropriate USB port on your computer. (See bottom view for details.)

2. Connect the USB peripherals to the downstream USB ports on the monitor.

3. Plug the power cables for your computer and monitor into a nearby outlet. 4. Turn on the monitor and the computer. If your monitor displays an image, installation is complete. If it does not display an image, see Solving Problems.

5. Use the cable slot on the monitor stand to organize the cables.



Organizing the Cables



After attaching all necessary cables to your monitor and computer, (See <u>Connecting Your Monitor</u> for cable attachment,) use the cable management slot to organize all cables as shown above.

Attaching the Cable Cover



Removing the Stand



NOTE: To prevent scratches on the LCD screen while removing the stand, ensure that the monitor is placed on a clean surface.

NOTE: This is applicable for a monitor with a stand. When any other stand is bought, please refer to the respective stand setup guide for set up instructions.



To remove the stand:

- 1. Place the monitor on a flat surface.
- 2. Press and hold the stand release button.
- 3. Lift the stand up and away from the monitor.

Wall Mounting (Optional)



(Screw dimension: M4 x 10 mm).

Refer to the instructions that come with the VESA-compatible wall mounting kit.

- 1. Place the monitor panel on a soft cloth or cushion on stable flat table.
- 2. Remove the stand.
- 3. Use a screwdriver to remove the four screws securing the plastic cover.
- 4. Attach the mounting bracket from the wall mounting kit to the LCD.
- 5. Mount the LCD on the wall by following the instructions that came with the wall mounting kit.
- **NOTE:** For use only with UL Listed Wall Mount Bracket with minimum weight/load bearing capacity of 2.48 kg.

Operating the Monitor

Power On the Monitor

Press the 🕙 button to turn on the monitor



Using the Front Panel Controls

Use the control buttons on the front of the monitor to adjust the characteristics of the image being displayed. As you use these buttons to adjust the controls, an OSD shows the numeric values of the characteristics as they change.



The following table describes the front panel buttons:

	Front panel Button	Description
1	Shortcut key/ Preset Modes	Use this button to choose from a list of preset color modes.
2	Shortcut key / Brightness/Contrast	Use this button to directly access the "Brightness/ Contrast" menu.
3	Menu	Use the MENU button to launch the on-screen display (OSD) and select the OSD Menu. See <u>Accessing the Menu System</u> .
4	Exit	Use this button to go back to the main menu or exit the OSD main menu.
5	Power (with power light indicator)	Use the Power button to turn the monitor on and off. The Blue LED indicates the monitor is on and fully functional. An amber LED indicates DPMS power save mode.

Front Panel Button

Use the buttons on the front of the monitor to adjust the image settings.



	Front panel Button	Description
1	∧ Up	Use the Up key to adjust (increase ranges) items in the OSD menu.
2	Down	Use the Down key to adjust (decrease ranges) items in the OSD menu.
3	о к	Use the OK key to confirm your selection.
4	S Back	Use the Back key to go back to the previous menu.

Using the On-Screen Display (OSD) Menu

Accessing the Menu System

- **NOTE:** If you change the settings and then either proceed to another menu or exit the OSD menu, the monitor automatically saves those changes. The changes are also saved if you change the settings and then wait for the OSD menu to disappear.
- 1. Press the MENU button to launch the OSD menu and display the main menu.

Dell	P2014H				Energy Use		
- 0 -	Brightness / Contrast		ò			D	
[+]	Auto Adjust						
Ð	Input Source						
••	Color Settings						
	Display Settings			75		75	
V	Energy Settings						
	Menu Settings						^
ŧ	Other Settings						\mathbf{v}
\star	Personalize						→
C Resolution: 1600 X 900, 60Hz						\times	

- **NOTE:** Auto adjust is only available when you use the analog (VGA) connector.
- 2. Press the and buttons to move between the setting options. As you move from one icon to another, the option name is highlighted. See the following table for a complete list of all the options available for the monitor.
- **NOTE:** Auto adjust is only available when you use the analog (VGA) connector.
- 3. Press the 2 or 2 or 2 button once to activate the highlighted option.
- 4. Press the A and W buttons to select the desired parameter.
- 5. Press to enter the slide bar and then use the for button, according to the indicators on the menu, to make your changes.
- 6. Press the button once to return to the main menu to select another option or press the button two or three times to exit from the OSD menu.

lcon	Menu and Submenus	Description
	Energy Use	This meter shows the energy level being consumed by the monitor in real time.
Đ.	Brightness/ Contrast	Use this menu to activate Brightness/Contrast adjustment.
		Dell P2014H Energy Use Image: Selightness / Contrast Image: Selightness / Contrast Image: Auto Adjust Image: Selightness Image: Image: Selightness Image: Selightness Image: Color Settings T Image: Display Settings T
	Brightness	Brightness adjusts the luminance of the backlight. Press the button to increase brightness and Press the button to decrease brightness (min 0 ~ max 100). NOTE: Brightness control will be greyed out during "Screen dim" in PowerNap option when screen saver is activated.
	Contrast	Adjust Brightness first, and then adjust Contrast only if further adjustment is necessary. Press the button to increase contrast and Press the button to decrease contrast (min 0 ~ max 100). The Contrast function adjusts the degree of difference between darkness and lightness on the monitor screen.

Auto adjust	Even though your computer recognizes your monitor on startup, the Auto Adjustment function optimizes the display settings for use with your particular setup. Auto Adjustment allows the monitor to self-adjust to the incoming video signal. After using Auto Adjustment, you can further tune your monitor by using the Pixel Clock and Phase controls under
	Displays Settings.
	Dell P2014H Energy Use IIIIIIIIIIIIII
	- D- Brightness / Contrast
	Color Settings Press √ to adjust the screen automatically.
	Color Settings
	V Energy Settings
	■ Menu Settings ⇒ Other Settings ★ Personalize
	© Resolution: 1600 X 900, 60Hz
	The following dialog appears on a black screen as the monitor automatically adjusts to the current input:
	Auto Adjustment in progress
	NOTE: In most cases, Auto Adjust produces the best image for your configuration.
	NOTE: Auto adjust option is only available when you are using the analog (VGA) connector.

Ð	Input source	Use the Input source menu to select between different video signals that may be connected to					
		your monitor.					
		Dell P2014H Energy Use IIIIIIIIIIIIIIIII					
		Brightness / Contrast					
		Auto Adjust VGA VGA					
		Input Source DVI - D DVI - D DisplayPort Impl					
		Color Settings DisplayPort Display Settings					
		V Energy Settings					
		Menu Settings					
		부 Other Settings					
		★ Personalize →					
		Resolution: 1600 X 900, 60Hz					
	Auto Select	Select Auto Select to scan for available input signals.					
	VGA	Select VGA input when <u>you</u> are using the analog					
		(VGA) connector. Press 🖌 to select the VGA input					
		source.					
	DVI-D	Select DVI-D input when you are using the Digital					
		(DVI) connector. Press 🗹 to select the DVI input					
		source.					
	DisplayPort	Select DisplayPort input when you are using the					
		DisplayPort(DP) connector. Press 🟏 to select the DisplayPort input source.					

••	Color Settings	Use the Color Settings menu to adjust the monitor's color settings .						
		Dell	P2014H		Energ	gy Use 🛛 🗤 🗤 🗤 🗤 🗤 🤃 🗤		
		Ò	Brightness / Contrast	Input Color Format	•	RGB		
		[+]	Auto Adjust	Preset Modes	•	Standard		
		Ð	Input Source	Image Enhance	•	Off		
		••	Color Settings	Reset Color Settings				
			Display Settings					
		V	Energy Settings					
			Menu Settings					
		₩	Other Settings				Ľ	
			Personalize Resolution: 1600 X 900,	6011-				
							\sim	
	Input Color Format	•	RGB: Select connected the VGA an adapter. YPbPr: Sele	et the video ir t this option if to a compute d DVI cable o ct this option nly YPbPr outp	your er or l r the if yo	^r monitor is DVD player u HDMI to DVI		
		Dell	P2014H		Energ	gy Use ())))))))))		
		Ð.	Brightness / Contrast	Input Color Format	 Image: A second s	RGB		
		[+]	Auto Adjust	Preset Modes		YPbPr		
		Ð	Input Source	Image Enhance				
		••	Color Settings	Reset Color Settings				
			Display Settings					
		₩.	Energy Settings					
			Menu Settings					
		+	Other Settings Personalize					
		~ ~	Resolution: 1600 X 900.	6047			×	
			-Resolution. 1600 X 900,	, 00112			2	

Preset Mode		ows you to c odes.	hoose from a	list of preset color
		P2014H		Energy Use IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	-Ò	Brightness / Contrast	Input Color Format	Energy Ose minimum
	÷	Auto Adjust	Preset Modes	✓ Standard
	Ð	Input Source	Image Enhance	Multimedia
	••	Color Settings	Reset Color Settings	Movie
		Display Settings		Game
	V	Energy Settings		Text
		Menu Settings		Warm
		Other Settings		Cool Custom Color
		Personalize Resolution: 1600 X 900). 60Hz	Custom Color
	•	0	is is the default	t preset mode. settings ideal for
			applications.	
	•	Movie: Loa	ds color setting	gs ideal for movies.
	•	Game: Load gaming app		gs ideal for most
	•	Text: Loads	color settings	ideal for office
	•			r temperature. The ith a red/yellow tint.
	•		eases the colo ears cooler wit	r temperature. The h a blue tint.
	•	Custom Co	olor: Allows you	u t <u>o m</u> anua <u>lly </u> adjust
		to adjust th	ettings. Press th e Red, Green, a own preset co	ne 🔼 and 💟 butto and Blue values and

Image Enhance	Which can automatically sharpen images, enhance hues and boost color contrast. To enhance image clarity. NOTE: Image Enhance is only available for Standard, Multimedia, Movie and Game mode.
Hue	This feature can shift color of video image to green or purple. This is used to adjust the desired flesh tone color. Use or to adjust the hue from '0' to '100'.
	Press to increase the green shade of the video image. Press to increase the purple shade of the video image.
	NOTE: Hue adjustment is available only for Movie and Game mode.
Saturation	This feature can adjust the color saturation of the video image. Use 🗖 or 💟 to adjust the saturation from '0' to '100'.
	Press to increase the monochrome appearance of the video image. Press to increase the colorful appearance of the video image. NOTE: Saturation adjustment is available only for video input.
Reset Color Settings	Resets your monitor's color settings to the factory defaults.

DISPLAY	Use the Display	Settings to a	diust i	image		
	Dell P2014H			rgy Use ()))))		
	- Brightness / Contrast	Aspect Ratio	•	Wide 16:9		
	+ Auto Adjust	Horizontal Position	•	50		
	Input Source	Vertical Position	•	50		
	Color Settings	Sharpness	•	50		
	Display Settings	Pixel Clock	•	50		
	M Energy Settings	Phase	►	50		
	Menu Settings	Dynamic Contrast		/		
	Other Settings	Reset Display Settings		``	1	
	🗙 Personalize			-	►	
	Resolution: 1600 X 900,	60Hz		>	<	
Wide Mode	Adjust the imag	e ratio to Wic	e 16:	9, 4:3, 5:4.		
Horizontal Position	Use the A and right. Minimum NOTE: When us Position setting	is '0' (-). Maxi sing a DVI sou	mum urce, 1		b	
Vertical Position	Use the A and V buttons to adjust image up and down. Minimum is '0' (-). Maximum is '100' (+). NOTE: When using a DVI source, the Vertical Position setting is not available.					
Sharpness	This feature car	make the im	iage l	ook sharper or		
	softer. Use 🛆 c '0' to '100'.	or 🚩 to adjus	t the	sharpness from		
Pixel Clock	The Phase and adjust your mor			nents allow you t ence.	to	
	Use the 🗖 and quality.	V buttons t	o adji	ust for best image	e	
Phase	If satisfactory re Phase adjustme adjustment and NOTE: Pixel Clo available for "VC	nt, use the Pi then use Pha ock and Phase	xel Cl ase (fi	lock (coarse)	/	
Dynamic Contrast	Dynamic Contrast a Push the butto "Off" .	djusts the contra				
Reset Display Settings	Select this optic	on to restore (defau	lt display settings	5.	

N C	ENERGY						
1 CO	SETTINGS	Dell P2014H	F				
	SETTINGS	- Brightness / Contrast	Energy Smart	• •	Off		
		Auto Adjust	USB Power Button LE	•	On During Act		
		 Input Source Color Settings 	Reset Energy Se		Off During Sta		
		Display Settings	Keset Energy S	aungs			
		Energy Settings					
		Menu Settings				^	
		↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓				— •	
		🛨 Personalize				→	
		Resolution: 1600 X 900,	60Hz			×	
	Power Button LED	Allows you to se to save energy.	et the pov	ver LEC) indicato	or on or off	
	Energy Smart	To turn on or off Energy Smart tur dimming. With E will consume ov Energy Smart is NOTE: Under Er usage bar will de bright scenes to bar will increase scenes to bright	rned "on" inergy Sm rerall less turned "o nergy Sma ecrease w darker so when tra	' will ac nart turr power ff". art mod rhen tra senes. T	tivate the ned on, th compare le, the en nsitioning he energ	ne monitor d to when ergy g from yy usage	
	USB	System					
		Monitor status	ON	Standb	y	OFF	
		Monitor with	ON	ON		OFF	
		upstream connected	(Disbled)	(Disbled	d)	(Disbled)	
		Monitor without upstream connected	ON	OFF/OI (depen) OSD se		OFF	
	Reset Energy Settings	Select this option to restore default Energy Settings				y Settings.	

MENU	Dell P2014H		Ene	rgy Use ###################################		
SETTINGS	- D- Brightness / Contrast	Language	•	English		
	[+] Auto Adjust	Rotation				
	Input Source	Transparency	•	20		
	Color Settings	Timer	•	20s		
	Display Settings	Lock	•	Unlock		
	Energy Settings	Reset Menu Settings				
	Menu Settings			^		
	Other Settings			\checkmark		
	🛨 Personalize			→		
	Resolution: 1600 X 900,	, 60Hz		×		
Language	Language option to set the OSD display to one of eight languages (English, Espanol, Francais, Deutsch, Brazilian Portuguese, Russian, Simplifie Chinese or Japanese).					
Transparency	This function is	used to chand	ae th	e OSD		
	background fro		·			
Timer	OSD Hold Time					
				ust the slider in 1		
	second increme	,				
Lock	Controls user access to adjustments. When Lock is selected, no user adjustments are allowed. All buttons are locked. NOTE:					
	Lock function -			3		
	menu) or hard l			d the button		
	above power bu					
				ck (Press and hold		
	the button abov	e power butto	on fo	r 10 sec)		
Reset Menu Settings	Select this optic	on to restore d	efau	lt Menu settings.		

ţţ	Other Settings	Select this option to adjust the settings of the OSD, such as, the languages of the OSD, the amount of			
		time the menu remains on screen, and so on.			
		Dell P2014H Energy Use			
		- C Brightness / Contrast DDC/Cl Enable			
		Auto Adjust LCD Conditioning Disable			
		Input Source Reset Other Settings			
		Color Settings Factory Reset Reset All Settings			
		Display Settings			
		V Energy Settings			
		Menu Settings			
		Other Settings			
	DDC/CI	DDC/CI (Display Data Channel/Command Interface) allows your monitor parameters (brightness, color balance etc) to be adjustable via software on your computer. You can disable this feature by selecting "Disable". Enable this feature for best user experience and optimum performance of your monitor.			
		Dell P2014H			
		The function of adjusting display setting using PC application will be disabled. Do you wish to disable DDC/CI function? No Yes			

	LCD Conditioning	Helps reduce minor cases of image retention Depending on the degree of image retention the program may take some time to run. You enable this feature by selecting "Enable". Dell P2014H This feature will help reduce minor cases of image retention. Depending on the degree of image retention, the program may take some time to run. Do you wish to continue? No Yes					
Reset Other SettingsSelect this option to such as DDC/CI.					to restore default other settings,		
	Factory Reset	Reset all OSD settings to the factory preset values.					
\star	Personalize	User can select from Preset Modes, Brightness/ Contrast, Auto Adjust, Input Source, Aspect Ratio and set as shortcut key.					
		Dell P2014H		-	Energy Use ###################################		
		- Ú- Brightne	ess / Contrast	Shortcut Key 1	✓ Preset Modes		
		[+] Auto Ad		Shortcut Key 2	Brightness / Contrast		
		Input S	ource	Reset Personalization	Auto Adjust		
		Color S	ettings		Input Source		
		Display	Settings		Aspect Raito		
		V Energy	Settings		Rotation		
		🔳 🛛 Menu S	ettings		^		
		다. Other S	ettings		✓		
		Personalize Constraints 1600 X 900, 60Hz					
	Reset	Allows y	ou to re	store shortcut	: key to the default		
	Personalization	setting.					

OSD Warning Messages When the monitor does not support a particular resolution mode you will see the following message: Dell P2014H The current input timing is not supported by the monitor display. Please change your input timing to 1600 x 900, 60Hz or any other monitor listed timing as per the monitor specifications. (1111) This means that the monitor cannot synchronize with the signal that it is receiving from the computer. See Monitor Specifications for the Horizontal and Vertical frequency ranges addressable by this monitor. Recommended mode is 1600 x 900. You will see the following message before the DDC/CI function is disabled. Dell P2014H The function of adjusting display setting using PC application will be disabled. Do you wish to disable DDC/CI function? Yes When monitor enters Power Save mode, the following message appears: Dell P2014H Entering Power Save Mode. Activate the computer and wake up the monitor to gain access to the OSD

messages will appear depending on the selected input: Dell P2014H There is no signal coming from your computer. Press any key on the keyboard or move the mouse to wake it up. If there is no display, press the monitor button now to select the correct input source on the On-Screen-Display menu. If either VGA or DVI-D or DP input is selected and both VGA and DVI-D and DP cables are not connected, a floating dialog box as shown below appears. Dell P2014H Do VGA Cable or Dell P2014H 💷 📀 No DVI-D Cable The display will go into Power Save Mode in 5 minutes or Dell P2014H See Solving Problems for more information.

If you press any button other than the power button one of the following

Setting the Maximum Resolution

In Windows Vista[®], Windows[®] 7 or Windows[®] 8:

1. For Windows® 8 only, select the Desktop tile to switch to classic desktop.

2. Right-click on the desktop and click Screen resolution.

Click the Dropdown list of the Screen resolution and select 1600 x 900.
 Click OK.

If you do not see 1600 x 900 as an option, you may need to update your

graphics driver. Depending on your computer, complete one of the following procedures:

If you have a Dell desktop or portable computer:

• Go to <u>www.dell.com/support</u>, enter your service tag, and download the latest driver for your graphics card.

If you are using a non-Dell computer (portable or desktop):

- Go to the support site for your computer and download the latest graphic drivers.
- Go to your graphics card website and download the latest graphic drivers.

Using the Tilt, Swivel, and Vertical Extension

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NOTE: This is applicable for a monitor with a stand. When any other stand is bought, please refer to the respective stand setup guide for set up instructions.

Tilt, Swivel

With the built-in pedestal, you can tilt the monitor for the most comfortable viewing angle.



Vertical Extension



NOTE: The stand extends vertically up to 130 mm. The figure below illustrates how to extend the stand vertically.



Rotating the Monitor

Before you rotate the monitor, your monitor should be fully vertically extended (<u>Vertical Extension</u>) and fully tilted (<u>Tilt</u>) up to avoid hitting the bottom edge of the monitor.





NOTE: To use the Display Rotation function (Landscape versus Portrait view) with your Dell computer, you require an updated graphics driver that is not included with this monitor. To download the graphics driver, go to <u>www.dell.com/support</u> and see the download section for Video Drivers for latest driver updates.



NOTE: When in the Portrait View Mode, you may experience performance degradation in graphic-intensive applications (3D Gaming and etc.).

Adjusting the Rotation Display Settings of Your System

After you have rotated your monitor, you need to complete the procedure below to adjust the Rotation Display Settings of your System.

NOTE: If you are using the monitor with a non-Dell computer, you need to go the graphics driver website or your computer manufacturer website for information on rotating the 'contents' on your display.

To adjust the Rotation Display Settings:

- 1. Right-click on the desktop and click Properties.
- 2. Select the Settings tab and click Advanced.
- 3. If you have an ATI graphics card, select the **Rotation** tab and set the preferred rotation.

If you have an nVidia graphics card, click the **nVidia** tab, in the left-hand column select **NVRotate**, and then select the preferred rotation.

If you have an Intel[®] graphics card, select the Intel graphics tab, click **Graphic Properties**, select the **Rotation** tab, and then set the preferred rotation.



NOTE: If you do not see the rotation option or it is not working correctly, go to <u>www.dell.com/support</u> and download the latest driver for your graphics card.

Troubleshooting

CAUTION: Before you begin any of the procedures in this section, follow the Safety Instructions

Self-Test

Your monitor provides a self-test feature that allows you to check whether your monitor is functioning properly. If your monitor and computer are properly connected but the monitor screen remains dark, run the monitor self-test by performing the following steps:

- 1. Turn off both your computer and the monitor.
- 2. Unplug the video cable from the back of the computer. To ensure proper Self-Test operation, remove both Digital (white connector) and the Analog (blue connector) cables from the back of computer.
- 3. Turn on the monitor.

The floating dialog box should appear on-screen (against a black background) if the monitor cannot sense a video signal and is working correctly. While in self-test mode, the power LED remains blue. Also, depending upon the selected input, one of the dialogs shown below will continuously scroll through the screen.



- 4. This box also appears during normal system operation, if the video cable becomes disconnected or damaged.
- 5. Turn off your monitor and reconnect the video cable; then turn on both your computer and the monitor.

If your monitor screen remains blank after you use the previous procedure, check your video controller and computer, because your monitor is functioning properly.

Built-in Diagnostics

Your monitor has a built-in diagnostic tool that helps you determine if the screen abnormality you are experiencing is an inherent problem with your monitor, or with your computer and video card.



NOTE: You can run the built-in diagnostics only when the video cable is unplugged and the monitor is in self-test mode.



To run the built-in diagnostics:

- 1. Ensure that the screen is clean (no dust particles on the surface of the screen).
- 2. Unplug the video cable(s) from the back of the computer or monitor. The monitor then goes into the self-test mode.
- 3. Press and hold the Button 1 and Button 4 on the front panel simultaneously for 2 seconds. A gray screen appears.
- 4. Carefully inspect the screen for abnormalities.
- 5. Press the Button 4 on the front panel again. The color of the screen changes to red.
- 6. Inspect the display for any abnormalities.
- Repeat steps 5 and 6 to inspect the display in green, blue, black, white 7. screens.

The test is complete when the white screen appears. To exit, press the Button 4 again.

If you do not detect any screen abnormalities upon using the built-in diagnostic tool, the monitor is functioning properly. Check the video card and computer.

Common Problems

The following table contains general information about common monitor problems you might encounter and the possible solutions.

Common Symptoms		
No Video/Power LED off	No picture	• Ensure that the video cable connecting the monitor and the computer is properly connected and secure.
		 Verify that the power outlet is functioning properly using any other electrical equipment.
		 Ensure that the power button is depressed fully.
		 Ensure that the correct input source is selected via the <u>Input</u> <u>Source Select</u> button.
		 Check the "<u>Power Button LED</u>" option under Energy Settings in OSD Menu
No Video/Power LED on	No picture or no brightness	Increase brightness & contrast controls via OSD.
		Perform monitor self-test feature check.
		Check for bent or broken pins in the video cable connector.
		• Run the built-in diagnostics.
		 Ensure that the correct input source is selected via the <u>Input</u> <u>Source Select</u> button.

Poor Focus	Picture is	• Perform Auto Adjust via OSD.
	fuzzy, blurry, or ghosting	Adjust the Phase and Pixel Clock controls via OSD.
		• Eliminate video extension cables.
		 Reset the monitor to Factory Settings.
		• Change the video resolution to the correct aspect ratio (16:9).
Shaky/Jittery Video	Wavy picture or fine	• Perform Auto Adjust via OSD.
	movement	• Adjust the Phase and Pixel Clock controls via OSD.
		 Reset the monitor to Factory Settings.
		Check environmental factors.
		• Relocate the monitor and test in another room.
Missing Pixels	LCD screen	Cycle power on-off.
	has spots	 Pixel that is permanently off is a natural defect that can occur in LCD technology.
		 For more information on Dell Monitor Quality and Pixel Policy, see Dell Support site at: www.del com/support/monitors.

Stuck-on Pixels	LCD screen has bright spots	 Cycle power on-off. Pixel that is permanently off is a natural defect that can occur in LCD technology. For more information on Dell
		Monitor Quality and Pixel Policy, see Dell Support site at: <u>http://www.dell.com/support/</u> <u>monitors</u> .
Brightness Problems	Picture too dim or too bright	 Reset the monitor to Factory Settings. Auto Adjust via OSD. Adjust brightness & contrast controls via OSD.
Geometric Distortion	Screen not centered correctly	 Reset the monitor to Factory Settings. Auto Adjust via OSD. Adjust Horizontal Position & Vertical Position controls via OSD. NOTE: When using DVI-D input, the positioning adjustments are not available.

Horizontal/ Vertical Lines	Screen has one or more lines	 Reset the monitor to Factory Settings.
		• Perform Auto Adjust via OSD.
		 Adjust Phase and Pixel Clock controls via OSD.
		• Perform monitor self-test feature check and determine if these lines are also in self-test mode.
		• Check for bent or broken pins in the video cable connector.
		Run the built-in diagnostics.
		NOTE: When using DVI-D input, the Pixel Clock and Phase adjustments are not available.
Synchronization Problems	Screen is scrambled or	 Reset the monitor to Factory Settings.
	appears torn	• Perform Auto Adjust via OSD.
		 Adjust Phase and Pixel Clock controls via OSD.
		 Perform monitor self-test feature check to determine if the scrambled screen appears in self- test mode.
		• Check for bent or broken pins in the video cable connector.
		Restart the computer in the safe mode.
Safety Related Issues	Visible signs of smoke or	Do not perform any troubleshooting steps.
	sparks	Contact Dell immediately.

Intermittent Problems	Monitor malfunctions on & off	 Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. Reset the monitor to Factory Settings. Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode.
Missing Color	Picture missing color	Perform monitor self-test feature check.
		 Ensure that the video cable connecting the monitor to the computer is connected properly and is secure.
		• Check for bent or broken pins in the video cable connector.
Wrong Color	Picture color not good	Change the Color Setting Mode in the Color Settings OSD to Graphics or Video depending on the application.
		• Try different Color Preset Settings in Color Settings OSD. Adjust R/G/B value in Color Settings OSD if the Color Management is turned off.
		• Change the Input Color Format to PC RGB or YPbPr in the Advance Setting OSD.
		• Run the built-in diagnostics.

Image retention	Faint shadow	Use the Power Management
from a static	from the	feature to turn off the monitor
image left on the	static image	at all times when not in use (for
monitor for a long	displayed	more information, see <u>Power</u>
period of time	appears on the	<u>Management Modes</u>).
	screen	Alternatively, use a dynamically changing screensaver.

Product Specific Problems

Specific Symptoms	What You Experience	Possible Solutions		
Screen image is too small	Image is centered on screen, but does not fill entire viewing area	 Check the Scaling Ratio setting in Image Setting OSD Reset the monitor to Factory Settings. 		
Cannot adjust the monitor with the buttons on the front panel	OSD does not appear on the screen	• Turn off the monitor, unplug the power cord, plug back, and then turn on the monitor.		
No Input Signal when user controls are pressed	No picture, the LED light is white.	• Check the signal source. Ensure the Computer is not in the power saving mode by moving the mouse or pressing any key on the keyboard.		
		 Check to make sure Video Source to VGA or DVI-D is powered and playing video media. 		
		• Check whether the signal cable is plugged in properly. Re-plug the signal cable if necessary.		
		• Reset the computer or video player.		

The picture	The picture	•	Due to different video formats (aspect	
does not fill cannot fill			ratio) of DVDs, the monitor may display	
the entire the height or			in full screen.	
screen.	width of the			
	screen	•	Run the built-in diagnostics.	

NOTE: When choosing DVI-D mode, the Auto Adjust function will not be available.

Universal Serial Bus (USB) Specific Problems

Specific Symptoms	What You Experience	Possible Solutions
USB	USB peripherals are not working	• Check that your monitor is turned ON.
interface is not working		 Reconnect the upstream cable to your computer.
		 Reconnect the USB peripherals (downstream connector).
		• Switch off and then turn on the monitor again.
		Reboot the computer.
		• Some USB devices like external portable HDD require higher electric current; connect the device directly to thecomputer system.
High Speed USB 2.0	High Speed USB 2.0	 Check that your computer is USB 2.0-capable.
interface is slow.	peripherals working slowly or not	 Some computers have both USB 2.0 and USB 1.1 ports. Ensure that the correct USB port is used.
	working at all	• Reconnect the upstream cable to your computer.
		 Reconnect the USB peripherals (downstream connector).
		Reboot the computer.

Appendix

Safety Instructions



WARNING: Use of controls, adjustments, or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards, and/or mechanical hazards.

For information on safety instructions, see the Product Information Guide.

FCC Notices (U.S. Only) and Other Regulatory Information

For FCC notices and other regulatory information, see the regulatory compliance website located at: http://www.dell.com/regulatory_compliance.

Contacting Dell

For customers in the United States, call 800-WWW-DELL (800-999-3355).

NOTE: If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area.

To get online monitor support content:

1. Visit www.dell.com/support/monitors.

To contact Dell for sales, technical support, or customer service issues:

1.	Visit <u>www.dell.com/support</u> .
2.	Verify your country or region in the Choose A Country/Region drop- down menu at the bottom of the page.
3.	Click Contact Us on the left side of the page.
4.	Select the appropriate service or support link based on your need.
5.	Choose the method of contacting Dell that is convenient for you.

Setting Up Your Monitor

Setting the display resolution to 1600 x 900 (maximum)

For maximum display performance while using the Microsoft Windows operating systems, set the display resolution to 1600 x 900 pixels by performing the following steps:

In Windows Vista®, Windows® 7, Windows® 8:

- 1. For Windows[®] 8 only, select the Desktop tile to switch to classic desktop.
- 2. Right-click on the desktop and click Screen Resolution.
- Click the Dropdown list of the Screen Resolution and select 1600 x 900.
 Click OK.

If you do not see 1600 x 900 as an option, you may need to update your graphics driver. Please choose the scenario below that best describes the computer system you are using, and follow the provided directions:

1: If you have a Dell[™] desktop or a Dell[™] portable computer with internet access.

2: If you have non Dell[™] desktop, portable computer, or graphic card.

If you have a Dell desktop or a Dell portable computer with internet access

1. Go to www.dell.com/support, enter your service tag, and download the latest driver for your graphics card.

2. After installing the drivers for your Graphics Adapter, attempt to set the resolution to 1600×900 again.

■ **NOTE:** If you are unable to set the resolution to 1600 x 900, please contact Dell[™] to inquire about a Graphics Adapter that supports these resolutions.

If you have non Dell desktop, portable computer, or graphic card

In Windows Vista®, Windows® 7, Windows® 8:

- 1. For Windows® 8 only, select the Desktop tile to switch to classic desktop.
- 2. Right-click on the desktop and click Personalization.
- 3. Click Change Display Settings.
- 4. Click Advanced Settings.
- 5. Identify your graphics controller supplier from the description at the top of the window (e.g. NVIDIA, ATI, Intel etc.).
- 6. Refer to the graphic card provider website for updated driver (for example, http://www.ATI.com OR http://www.NVIDIA.com).
- 7. After installing the drivers for your Graphics Adapter, attempt to set the resolution to 1600 x 900 again.

NOTE: If you are unable to set the resolution to 1600 x 900, please contact the manufacturer of your computer or consider purchasing a graphics adapter that will support the video resolution of 1600 x 900.

Procedures for setting up dual monitors in Windows Vista®, Windows® 7 or Windows® 8

Content

- (a) For Windows Vista®
- (b) For Windows®7
- (c) For Windows[®] 8
- (d) Setting Display Styles For Multiple Monitor

(a) For Windows Vista®

Connect the external monitor(s) to your laptop or desktop using a video cable (VGA, DVI, DP etc.) and follow any of the below setup method.

Method 1: Using keyboard shortcut "Win+P"



2. While holding down the Windows logo key, press P to toggle between the display selections.



1. Press the Windows logo key + P on your keyboard.

Method 2: Using the "Personalize" menu

1. Right-click on the desktop and click Personalize.

2. Click Display Settings.

ķ	Personalize						
	New	+					
	Paste Shortcut						
	Paste						
	Refresh						
	Sort By	+					
	View	•					
*	AMD VISION Engine Control Center						



3. Click Identify Monitors.

• You may need to restart your system and repeat steps 1 to 3 if the system does not detect the added monitor.

lonitor	Identify Monitors
	2
1. Generic PnP Monitor on ATI Radeon HD 4800 S	Series 🔻
1. Generic PnP Monitor on ATI Radeon HD 4800 S This is my main monitor Extend the desktop onto this monitor	eries 🔹
☑ This is my main monitor	ieries 🔹
 This is my main monitor Extend the desktop onto this monitor 	Colors:

(b) For Windows® 7

Connect the external monitor(s) to your laptop or desktop using a video cable (VGA, DVI, DP etc.) and follow any of the below setup method.

Method 1: Using keyboard shortcut "Win+P"



1. Press the Windows logo key + P on your keyboard.

2. While holding down the Windows logo key, press P to toggle between the display selections.



Method 2: Using the "Screen Resolution" menu

- 1. Right-click on the desktop and click Screen resolution.
- Click Multiple displays to choose a display selection. If you do not see the additional monitor listed, click Detect.
 - You may need to restart your system and repeat steps 1 to 3 if the system does not detect the added monitor.



		Detect Identify
Display: Resolution: Orientation:	2. Generic Non-PnP Monitor 1024 × 768 Landscape	
Multiple displays:	Extend these displays	
Make this my m	ain display	Advanced settings
Make text and othe	ctor (or press the 📲 key and tap P) r items larger or smaller gs should I choose?	

(c) For Windows[®] 8

Connect the external monitor(s) to your laptop or desktop using a video cable (VGA, DVI, DP etc.) and follow any of the below setup method.

+

Method 1: Using keyboard shortcut "Win+P"

- 1. Press the Windows logo key + P on your keyboard.
- 2. While holding down the Windows logo key, press P to toggle between the display selections.



Method 2: Using the "Screen Resolution" menu

1. From the Start screen, select **Desktop** tile to switch to the Classic Windows desktop.



- 2. Right-click on the desktop and click Screen resolution.
- 3. Click Multiple displays to choose a display selection. If you do not see the additional monitor listed, click Detect.
 - You may need to restart your system and repeat steps 1 to 3 if the system does not detect the added monitor.





(d) Setting Display Styles For Multiple Monitor

After the external monitor(s) have been set up, users can select the desired display style from Multiple displays menu: Duplicate, Extend, Show Desktop On.

• Duplicate these displays: Duplicate the same screen on two monitors with the same resolution, chosen based on the monitor with a lower resolution.

(i) For Windows Vista®

[DUPLICATE NOT AVAILABLE]

(ii) For Windows[®] 7

Display:	1. Mobile PC Display 🔹	
Resolution:	1024 × 768 👻	
Orientation:	Landscape 👻	
Multiple displays:	Extend these displays	
🔥 You must select	Duplicate these displays Extend these displays phal changes.	
	Show desktop only on 1 Show desktop only on 2	Advanced setting:
Connect to a projec	tor (or press the 🗃 key and tap P)	
Make text and other	items larger or smaller	
What display setting	s should I choose?	

(iii) For Windows[®] 8

2	Screen Resolution	-	
€∋∘ ↑	General Content of Appearance and Personalization + Display + Screen Resolution	✓ C Search Control Panel	٩
	Change the appearance of your display		
		Detect	
	Display: 1/2. Multiple Monitors 👻		
	Resolution: 1366 × 768 ∨		
	Orientation: Landscape V		
	Multiple displays: Duplicate these displays \vee		
	🛕 You must select Apply before making additional changes.		
	Make this my main display	Advanced settings	
	Project to a second screen (or press the Windows logo key 🚛 + P)		
	Make text and other items larger or smaller		
	What display settings should I choose?		
	ОК	Cancel Apply	

• Extend these displays: This option is recommended when an external monitor is connected to a laptop, and each monitor can display different screen independently to improve user convenience. The relative position of the screens can be set up here, for example monitor 1 may be set up to be to the left of monitor 2 or vice versa. This depends on the physical position of the LCD monitor in relation to the laptop. The horizontal line displayed on both monitors can be based on the laptop or external monitor. These are all adjustable options, and all a user need do is drag the monitor of the main screen to the extended monitor.

(i) For Windows Vista®



(ii) For Windows[®] 7

Change the appearance of your displays

		Detect Identify
Display:	1. Mobile PC Display 🔹	
Resolution:	1024 × 768 🛛 👻	
Orientation:	Landscape 👻	
Multiple displays:	Extend these displays	
You must select	Duplicate these displays Extend these displays	
	Show desktop only on 1 Show desktop only on 2	Advanced settings
Connect to a project	tor (or press the 💐 key and tap P)	
Make text and othe	ritems larger or smaller	
	gs should I choose?	

(iii) For Windows[®] 8

3	Screen Resolution	
€ € €	🖉 « Appearance and Personalization + Display + Screen Resolution 🗸 🖒 🛛 Search Control Panel	Q
	Change the appearance of your displays	
	Detect Identify	
	Display: 2, DELL P2014H V	
	Resolution: 1366 × 768 v	
	Orientation: Landscape 🗸	
	Multiple displays: Extend these displays v	
	You must select Apply before making additional changes.	
	Make this my main display Advanced settings	
	Project to a second screen (or press the Windows logo key 📲 + P)	
	Make text and other items larger or smaller	
	What display settings should I choose?	
	OK Cancel Apply	

Show desktop only on...: Display the status of a particular monitor. This option is typically chosen when the laptop is used as a PC so the user can enjoy a large external monitor. Most current laptops support mainstream resolutions. As shown in the figure above, the resolution of the laptop monitor is only 1366 x 768, but after connecting a 23" external LCD monitor, users can immediately improve their visual enjoyment to 1600 x 900 Full HD quality.

(i) For Windows Vista®



Display Settings		(
Monitor		
Drag the icons to match your monitors.		Identify Monitors
1	2	2
2. Generic PnP Monitor on ATI Radeon H	HD 4800 Serie	es 🔻
✓ This is my main monitor) ✓ Extend the desktop onto this monitor	HD 4800 Serie	
This is my main monitor	– High	es ▼ Colors: Highest (32 bit) ▼
This is my main monitor Extend the desktop onto this monitor Resolution: Low	– High	Colors:
This is my main monitor Extend the desktop onto this monitor Resolution: Low	– High	Colors:

(ii) For Windows® 7

		Detect Identify
Display:	1. Mobile PC Display	
Resolution:	1024 × 768 ~	
Orientation:	Landscape	
Multiple displays:	Show desktop only on 1 💌	
🤼 You must sele	Duplicate these displays ct Extend these displays onal changes.	
	Show desktop only on 1 Show desktop only on 2	Advanced settings
	er items larger or smaller 1gs should I choose? OK	Cancel Apply
-1	F 11 1	
Change the ap	pearance of your displays	
Change the ap	pearance of your displays	Detect Identify
Change the ap	1. Mobile PC Display	



(iii) For Windows[®] 8



