User's Guide Dell P2314T Dell P2714T

Regulatory model: P2314Tt / P2714Tt





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.

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

© 2013 Dell Inc. All rights reserved.

Information in this document is subject to change without notice. Reproduction of these materials in any manner whatsoever without the written permission of Dell Inc. is strictly forbidden.

Trademarks used in this text: Dell™ and the DELL logo are trademarks of Dell Inc.; Microsoft®, Windows®, and the Windows start button logo are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell Inc. disclaims any proprietary interest in trademarks and trade names other than its own.

2013 - 08 Rev. A04

Contents

Ak	oout Your Monitor	5
	Package Contents	5
	Features	6
	Parts and Controls	7
	Specifications	9
	Plug-and-Play	17
	LCD Monitor Quality and Pixel Policy	17
	Maintenance Guidelines	17
Se	tting Up the Monitor	. 8
	Preparing the Stand	18
	Connecting Your Monitor	18
	Organizing Cables	20
	Wall Mounting (Optional)	20
Ol	perating the Monitor	21
	Side-Panel Controls	21
	Front-Panel Button	22
	Using the On-Screen Display (OSD) Menu	23
	Setting the Maximum Resolution	34
	Tilt	34

٦	Froubleshooting	35
	Self-Test	35
	Built-in Diagnostics	36
	Common Problems	37
	Touchscreen Problems	39
	Product Specific Problems	40
A	Appendix	41
	Safety Instructions	41
	FCC Notices (U.S. only) and Other Regulatory Information	41
	Contacting Dell	41
	Setting Display Resolution to 1920 X 1080 (maximum)	42
	Downloading Latest Video Drivers	42
	Setting up Dual Monitors	43
	Display Styles For Multiple Monitors	48

About Your Monitor

Package Contents

Your monitor ships with the components shown below. Make sure that you have received all the components and contact Dell 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.







Screen cleaning cloth



Velcro strap







- Quick Setup Guide
- Drivers and Documentation media
- Product and Safety Information Guide

Features

The Dell P2314T and P2714T flat panel displays have an active matrix, thin-film transistor (TFT), liquid crystal display (LCD), and LED backlight. The monitor features include:

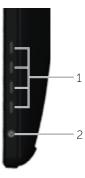
- P2314T: 58.42 cm (23-inch) active area display (measured diagonally) 1920 X 1080 resolution (with full-screen support for lower resolutions).
- P2714T: 68.58 cm (27-inch) active area display (measured diagonally) 1920 X 1080 resolution (with full-screen support for lower resolutions).
- Tilt adjustment capability (10°-60°, typical).
- Removable pedestal and Video Electronics Standards Association (VESA) 100 mm mounting holes for flexible mounting solutions.
- Plug and play capability if supported by your computer.
- 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 media shipped with the monitor).
- · Security lock slot.
- · Asset management capability.
- Energy Star compliant.
- EPEAT Gold compliant.
- BFR/PVC- reduced.
- Arsenic-Free glass. Mercury-free panel.
- Energy Gauge shows the energy level being consumed by the monitor in real time.
- TCO-certified displays.

Parts and Controls

Front view



Side-panel controls



Label	Description
1	Function buttons (For more information, see Operating the Monitor)
2 Power On/Off button (with indicator light)	

Back View





Label	Description	Use
1	100 mm x 100 mm VESA mounting holes (under VESA cover)	Wall mount monitor using 100 mm x 100 mm VESA-compatible wall-mount kit.
2	Regulatory label	Lists the regulatory approvals.
3	Service Tag label (P2714T only)	Refer to this label if you need to contact Dell for technical support.
4	Barcode serial number label	Refer to this label if you need to contact Dell for technical support.
5	Cable-management slot	Use to organize cables by placing them through the slot.

Bottom View



Label	Description	Use	
1	Power-cable connector	Connect the power cable.	
2	DisplayPort connector	Connect the DisplayPort cable.	
3	HDMI (MHL) 1 port	Connect your computer with HDMI cable or portable device with MHL cable (optional).	
4	HDMI (MHL) 2 port	Connect your computer with HDMI cable or portable device with MHL cable (optional).	
5	VGA port	To connect your computer to the monitor using a VGA cable (optional).	
6	Audio line-out port	Connect speakers to playback audio coming through HDMI or DisplayPort audio channels. Only supports 2-channel audio. NOTE: The audio line-out port does not support headphones.	
7	USB upstream port	Connect the USB cable from the monitor to the computer to allow you to use the USB ports and touch screen function on the monitor.	
8	USB 2.0 downstream ports	Connect your USB device. You can only use this port after you connect the USB cable from your computer to the USB upstream port on the monitor.	
9	Security-cable slot	Use a security cable to prevent unauthorized movement of your monitor.	
10	USB 3.0 downstream ports	Connect your USB device. You can only use this port after you connect the USB cable from your computer to the USB upstream port on the monitor.	

Specifications

Panel

	P2314T	P2714T	
Screen type	Active matrix - TFT LCD		
Panel type	In-Plane Switching / Plane to Line Switching	Plane to Line Switching	
Viewable image:			
Diagonal	58.42 cm (23 inches)	68.58 cm (27 inches)	
Horizontal (active area)	509.18 mm (20.05 inches)	597.89 mm (23.54 inches)	
Vertical (active area)	286.42 mm (11.28 inches)	336.31 mm (13.24 inches)	
Area	145839.34 mm² (226.05 inch²)	201076.39 mm² (311.67 inch²)	
Pixel pitch	0.265 mm	0.311 mm	
Viewing angle:			
Horizontal	178 degrees typical		
Vertical	178 degrees typical		
Luminance:			
Panel	300 cd/m² (typical)		
Monitor	270 cd/m	270 cd/m² (typical)	
Dynamic contrast ratio	8,000,000:1 (typical)		
Faceplate coating	Antiglare with hard-coating 3H		
Glass gloss	>30 gloss units.		
	NOTE: For displays with edge the placement of the display a surrounding light and bright s cause disturbances.	as the reflection of	
Backlight	LED edgelight system		
Response Time	8 ms gray-to-gray (typical)	8 ms gray-to-gray (typical)	
Color depth	16.77 million colors		
Color gamut (Typical)	83% (CIE1976)		
	NOTE: Color gamut (typical) is based on CIE1976 (83%) and CIE1931 (72%) test standards.		

Touch

rouch				
	P2314T	P2714T		
Туре	Projected Capacitive System			
Panel Diagonal	23.1 inch	27.1 inch		
Panel Thickness	2.4 mm	3.1 mm		
Active Area	Extended beyond	d Viewing Area		
Sensor Stack thickness	0.5 m	0.5 mm		
Cover Glass Thickness	1.1 mm	1.8 mm		
Input Method	Bare finger, thin glove	s, conductive stylus		
Touch point	10 touch	•		
Response time	<10 r			
Output position resolution	32767 x			
Touch method	Fingers and t			
Operating system	Windows 8	certified		
Resolution				
Horizontal scan range	30 kHz – 83 kHz (automatic)			
Vertical scan range	56 Hz – 75 Hz (automatic)			
Maximum resolution	1920 X 1080 at 60 Hz			
Supported video modes	480p, 576p, 720p, 1080p, and	1080i		
Electrical				
Video input signals	DisplayPort 1.2/HDMI/MHL 2.0	/VGA		
Synchronization input	Separate horizontal and vertical synchronization.			
signals	Polarity-free TTL level			
	SOG (composite SYNC on green)			
AC/DC adapter input:				
Voltage	100 VAC-240 VAC			
Frequency	50 Hz/60 Hz + 3 Hz			
Current	1.5 A (maximum)			
	for use only with power su	ipply DELL DA65NM111-00		
Inrush current	150 A at 115/230 VAC			
Input voltage	19.5 VDC, 3.34 A			

Environmental Characteristics

Temperature:			
Operating	0°C to 40°C (32°F to 104°F)		
Non-operating	-20°C to 60°C (-4°F to 140°F)		
Humidity:			
Operating	10% to 80% (non-condensing)		
Non-operating	5% to 90% (non-condensing)		
Altitude			
Operating	5,000 m (16,400 ft) max		
Non-operating	12,191 m (40,000 ft) max		
Thermal dissipation:			
P2314T	88.7 BTU/hour (maximum)		
P23141	58.0 BTU/hour (typical)		
P2714T	95.9 BTU/hour (maximum)		
Γ ∠ /141	64.8 BTU/hour (typical)		

Preset Display Modes

P2314T

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (Horizontal/ 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	108.0	+/-
1920 X 1080	67.5	60.0	148.5	+/+

P2714T

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (Horizontal/ 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	108.0	+/-
1920 X 1080	67.5	60.0	148.5	+/+

Physical Characteristics

	P2314T	P2714T
Connector type	D-Sub	D-Sub
	DisplayPort	DisplayPort
	HDMI (MHL)	HDMI(MHL)
	USB	USB
Signal cable type	D-Sub	D-Sub
	HDMI	HDMI
	MHL	MHL
	DisplayPort	DisplayPort
	USB 3.0	USB 3.0
Dimensions (with sta	nd)	
Height (extended)	216.40 mm (8.52 inches)	246.50 mm (9.70 inches)
Height (compressed)	412.70 mm (16.25 inches)	475.50 mm (18.72 inches)
Width	569.90 mm (22.44 inches)	665 mm (26.18 inches)
Depth (extended)	421.30 mm (16.59 inches)	421.30 mm (16.59 inches)
Depth(compressed)	80.90 mm (3.19 inches)	79.70 mm (3.14 inches)
Dimensions (without	stand)	
Height	348.10 mm (13.70 inches)	410.70 mm (16.17 inches)
Width	569.90 mm (22.44 inches)	665 mm (26.18 inches)
Depth	42.20 mm (1.66 inches)	44.30 mm (1.74 inches)

Stand dimensions		
Height	298.4 mm (11.75 inches)	298.4 mm (11.75 inches)
Width	352.0 mm (13.86 inches)	352.0 mm (13.86 inches)
Depth	77.4 mm (3.05 inches)	77.4 mm (3.05 inches)
Weight		
Weight with packaging	8.98 kg (19.76 lb)	11.49 kg (25.28 lb)
Weight with stand assembly and cables	7.10 kg (15.62 lb)	9.39 kg (20.66 lb)
Weight without stand without cables (For wall mount or VESA mount)	4.82 kg (10.60 lb)	7.11 kg (15.64 lb)
Weight of stand assembly	1.46 kg (3.21 lb)	1.46 kg (3.21 lb)

Power Management Modes

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

P2314T

VESA Modes	Horizontal Sync	Vertical Sync	Video	Power Indicator	Power Consumption
Normal operation	Active	Active	Active	White	17 W (typical) 26 W (maximum)
Active-off mode	Inactive	Inactive	Blank	Glowing white	<0.5 W
Switched off	-	-	-	Off	<0.5 W

P2714T

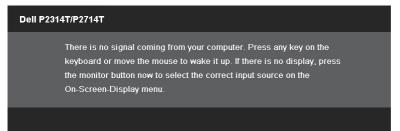
VESA Modes	Horizontal Sync	Vertical Sync	Video	Power Indicator	Power Consumption
Normal operation	Active	Active	Active	White	19 W (typical) 28 W (maximum)
Active-off mode	Inactive	Inactive	Blanked	Glowing white	<0.5 W
Switch off	-	-	-	Off	<0.5 W

This monitor is ENERGY STAR-compliant.



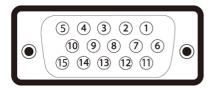
NOTE: Zero power consumption in OFF mode can only be achieved by disconnecting the power cable from the monitor.

The OSD only function in the normal operation mode. If you press any button in Active-off mode, the following message is displayed:



Pin Assignments

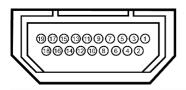
VGA



Pin number	15-pin side of the cable
1	Video-Red
2	Video-Green
3	Video-Blue
4	GND
5	Self-test
6	GND-R
7	GND-G
8	GND-B

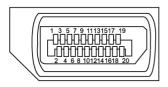
Pin number	15-pin side of the cable
9	Computer 5 V/3.3 V
10	GND-sync
11	GND
12	DDC data
13	H-sync
14	V-sync
15	DDC clock

HDMI



19-pin side of the port	Pin number	19-pin side of the port
TMDS DATA 2+	11	TMDS CLOCK SHIELD
TMDS DATA 2 SHIELD	12	TMDS CLOCK-
TMDS DATA 2-	13	Floating
TMDS DATA 1+	14	Floating
TMDS DATA 1 SHIELD	15	DDC CLOCK (SDA)
TMDS DATA 1-	16	DDC DATA (SDA)
TMDS DATA 0+	17	GROUND
TMDS DATA 0 SHIELD	18	+5 V POWER
TMDS DATA 0-	19	HOT PLUG DETECT
TMDS CLOCK		
	TMDS DATA 2+ TMDS DATA 2 SHIELD TMDS DATA 2- TMDS DATA 1+ TMDS DATA 1 SHIELD TMDS DATA 1- TMDS DATA 0+ TMDS DATA 0 SHIELD TMDS DATA 0-	TMDS DATA 2+ 11 TMDS DATA 2 SHIELD 12 TMDS DATA 2- 13 TMDS DATA 1+ 14 TMDS DATA 1 SHIELD 15 TMDS DATA 1- 16 TMDS DATA 0+ 17 TMDS DATA 0 SHIELD 18 TMDS DATA 0- 19

DisplayPort (DP)



Pin Number	20-pin side of the port	Pin Number	20-pin side of the port
1	MLO(p)	11	GND
2	GND	12	ML3(n)
3	MLO(n)	13	GND
4	ML1(p)	14	GND
5	GND	15	AUX(p)
6	ML1(n)	16	GND
7	ML2(p)	17	AUX(n)
8	GND	18	HPD
9	ML2(n)	19	DP_PWR Return
10	ML3(p)	20	+3.3 V DP_PWR

USB

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

Your computer has the following USB ports:

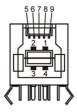
- One USB 3.0 upstream port back
- Two USB 2.0 downstream ports back
- Two USB 3.0 downstream ports left side

NOTE: USB 3.0 functionality requires a USB 3.0 compatible computer.

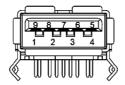
NOTE: The monitor's USB ports work only when the monitor is on or in the power save mode. If you turn off the monitor and then turn it on, the attached peripherals may take a few seconds to resume normal functionality.

Transfer speed	Data rate	Power consumption
SuperSpeed	5 Gbps	4.5 W (Max., each port)
Hi-Speed	480 Mbps	2.5 W (Max., each port)
Full speed	12 Mbps	2.5 W (Max., each port)

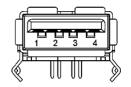
USB upstream port



USB 3.0 downstream port



USB 2.0 downstream port



Pin number	Signal name
1	VBUS
2	D-
3	D+
4	GND
5	StdB_SSTX-
6	StdB_SSTX+
7	GND_DRAIN
8	StdB_SSRX-
9	StdB_SSRX+
Shell	Shield

Pin number	Signal name
1	VBUS
2	D-
3	D+
4	GND
5	StdA_SSRX-
6	StdA_SSRX+
7	GND_DRAIN
8	StdA_SSTX-
9	StdA_SSTX+
Shell	Shield

Pin number	Signal name
1	VCC
2	DMD
3	DPD
4	GND

Plug-and-Play

You can install the monitor in any Plug-and-Play-compatible computer. The monitor automatically provides its Extended Display Identification Data (EDID) to the computer using Display Data Channel (DDC) protocols so the computer can configure itself and optimize the monitor settings. Most monitor installations are automatic; you can select different settings if desired. For Setting Up the Monitor more information about changing the monitor settings, see Operating the Monitor.

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. These 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.com/support/monitors**.

Maintenance Guidelines

Cleaning Your Monitor

MARNING: Read and follow the safety instructions before cleaning the monitor.

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

For best practices, follow these instructions while unpacking, cleaning, or handling your monitor:

To clean your screen, use a soft, clean cloth lightly dampened with water. You
can also use special screen-cleaning tissue or solution suitable for the anti-static
coating. To avoid using detergent of any kind as some detergents leave a milky film
on the monitor, use a lightly-dampened, warm cloth to clean the monitor.

△ CAUTION: 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 soft and clean cloth.
- Handle your monitor with care to avoid scratches and scuff marks.
- 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

Preparing the Stand

NOTE: The stand is attached when the monitor is shipped from the factory.

- 1. Place the monitor on a soft cloth or cushion.
- 2. Pull the monitor stand arm upwards clear of the monitor.



3. Place the monitor upright.

Connecting Your Monitor

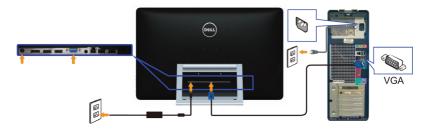
MARNING: Follow the safety instructions before you perform any of the procedures in this section.

To connect your monitor to the computer:

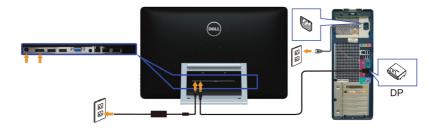
- 1. Turn off your computer and disconnect the power cable from the wall outlet.
- 2. Connect the USB cable and only one of the following display cables to your computer:
 - VGA cable
 - DisplayPort cable
 - HDMI cable

NOTE: Do not connect multiple display cables to the same computer.

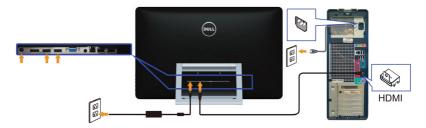
Connecting the VGA cable (cable sold separately)



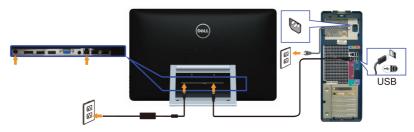
Connecting the DisplayPort (or miniDP) cable (cable sold separately)



Connecting the HDMI cable



Connecting the USB cable



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

Organizing Cables

After you connect all necessary cables to your monitor and computer, use the cable-management slot to organize the cables.



Wall Mounting (Optional)

- **NOTE:** Use M4 x 10 mm screws to mount your display. For more details, see the instructions that came with the VESA-compatible wall-mounting kit.
 - 1. Place the monitor on a soft cloth or cushion on a stable flat table.
 - 2. Remove the stand.
 - **3.** Use a screwdriver to remove the four screws that secure the back cover.
 - **4.** Attach the mounting bracket from the wall-mounting kit to the monitor.
 - **5.** Mount the monitor 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 7.11 kg.

Operating the Monitor

Side-Panel Controls

Use the control buttons on the front of the monitor to adjust monitor and image settings. Pressing these buttons displays the OSD with the details of the settings that you can change.

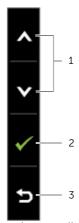


The following table describes the front panel buttons:

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 this button to launch the On-Screen Display (OSD) and select options in the OSD. See Accessing the Menu System.	

Front-panel button		Description	
4	Exit	Use this button to go back to the main menu or exit the OSD main menu.	
	داء	Use this button to turn the monitor turn-on or turn-off the monitor.	
5	Ο	A solid white light on this button indicates the monitor is on and fully functional.	
	Power (with power light indicator)	A blinking/breathing white light indicates DPMS power save mode.	

Front-Panel Button



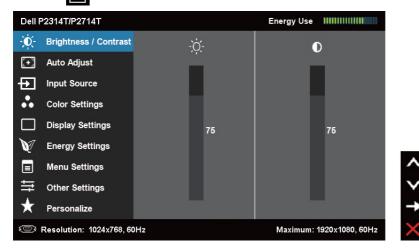
Use the buttons on the front of the monitor to adjust the image settings.

Button			Description	
1	∧ Up	Down	Use the Up (increase) and Down (decrease) keys to adjust items in the OSD menu.	
2		OK	Use the OK key to confirm your selection.	
3	_	5 lack	Use the Back key to go back to the previous menu.	

Using the On-Screen Display (OSD) Menu

Accessing the Menu System

- **NOTE:** Any changes you make using the OSD menu are automatically saved if you move to another OSD menu, exit the OSD menu, or wait for the OSD menu to disappear.
 - 1. Press the button to launch the OSD menu and display the main menu.



- NOTE: Auto Adjust feature is only available when you use the VGA connector.
- 2. Press the A and Y buttons to move between options. As you move from one icon to another, the option name is highlighted.
- 3. Press the

 or

 or

 button once to activate the highlighted option.

 σ
- **4.** Press the **A** and **Y** buttons to select the desired parameter.
- 5. Press → to enter the slide bar and then use the or 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.

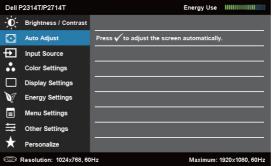
OSD Options

Menu and Submenus	Description					
Energy Use	This meter shows, in real time, the energy level be consumed by the monitor.					
	Use this menu to activate Brightness/Contrast adjustm					
	Dell P2314T/P2714T		Energy Use IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII			
	- Ď- Brightness / Contrast	- <u>;</u> ċ-	0			
	Auto Adjust	-				
	Input Source	_	_			
·O-	Color Settings		_			
	Display Settings	75	75			
Brightness/Contrast	Energy Settings		-			
	Menu Settings		<u>^</u>			
			Y			
	▼ Personalize		→			
	Resolution: 1024x768, 60Hz		Maximum: 1920x1080, 60Hz			
	Brightness adjusts the luminance of the backlight (minimum 0; maximum 100).					
B : 1 :	Press the \Lambda button to increase brightness.					
Brightness	Press the v button to decrease brightness.					
	NOTE: Brightness control is disabled during "Screen dim" in					
	PowerNap option when screen saver is activated.					
	Press the button to increase contrast and Press					
	button to decrease contrast (between 0 and 100).					
Contrast	Adjust Brightness first, and then adjust Contrast only if further adjustment is necessary.					
	Contrast adjusts the difference between darkness and lightness on the monitor.					

Menu and Submenus

Description

The Auto Adjust feature optimizes the display settings for use with your setup. Auto Adjust feature allows the monitor to automatically adjust to the incoming video signal. After using Auto Adjust feature, you can further tune your monitor by using the Pixel Clock and Phase controls under Displays Settings.





—— Auto Adiust

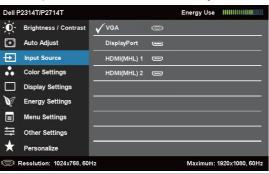
The following dialog appears on a black screen as the monitor automatically adjusts to the current input:

Auto Adjustment in progress...

NOTE: In most cases, Auto Adjust produces the best image for your configuration.

NOTE: Auto Adjust feature option is only available when your monitor is connected using the VGA cable.

Use the Input Source menu to select between different video inputs that are be connected to your monitor.





Ð

Input Source

Select VGA and press when your computer and monitor are connecting using the VGA cable.

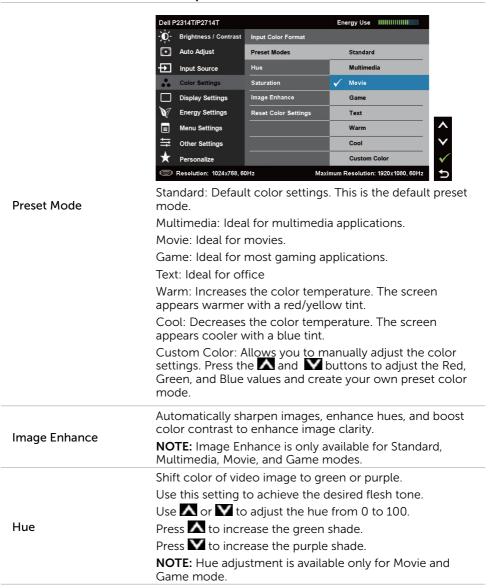
DisplayPort

VGA

Select DisplayPort and press when your computer and monitor are connecting using the DisplayPort cable.

Menu and Submenus	Description					
HDMI(MHL)1	Select HDMI(MHL)1 and press \checkmark when your computer and monitor are connecting using the HDMI(MHL)1 cable.					
HDMI(MHL)2	Select HDMI(MHL)2 and press w when your computer an monitor are connecting using the HDMI(MHL)2 cable.					
	Use the Color Se settings	ettings menu t	o adjust th	e monitor's colo		
	Dell P2314T/P2714T		Energy Use	11111111111111000000		
	- Brightness / Contrast	Input Color Format	RGB			
	Auto Adjust	Preset Modes	Stand	dard		
	Input Source	Image Enhance	▶ Off			
•••	Color Settings	Reset Color Settings				
Color Settings	☐ Display Settings					
	Energy Settings					
	■ Menu Settings			^		
	★ Personalize			→		
	Resolution: 1024x768, 6	0Hz	Maximum:	1920×1080, 60Hz		
	Allows you to set the video input mode to.					
	RGB: Select this option if your monitor is connected to a					
Input Color Format	computer or DVD player using the VGA and HDMI cable.					
	YPbPr: Select this option if your DVD player supports only					
		is option if you	ir DVD play	yer supports onl		
	YPbPr output.	is option if you	ir DVD pla <u>y</u>	yer supports onl		
		is option if you		yer supports onl		
	YPbPr output.	IS OPTION IT YOU				
	YPbPr output.	, ,				
	YPbPr output. Dell P2314T/P2714T Dell P2314T/P2714T	Input Color Format	Energy Use	111111111111111111111111111111111111111		
	YPbPr output. Dell P2314T/P2714T Brightness / Contrast Auto Adjust	Input Color Format Preset Modes	Energy Use	111111111111111111111111111111111111111		
Preset Mode	YPbPr output. Dell P2314T/P2714T → Brightness / Contrast → Auto Adjust → Input Source	Input Color Format Preset Modes Image Enhance	Energy Use ✓ Standard Multimedia	111111111111111111111111111111111111111		
Preset Mode	YPbPr output. Dell P2314T/P2714T → Brightness / Contrast → Auto Adjust → Input Source Color Settings	Input Color Format Preset Modes Image Enhance	Energy Use Standard Multimedia Movie	111111111111111111111111111111111111111		
Preset Mode	PbPr output. Dell P2314T/P2714T O Brightness / Contrast Auto Adjust Input Source Color Settings Display Settings Energy Settings Menu Settings	Input Color Format Preset Modes Image Enhance	Standard Multimedia Movie Game	111111111111111111111111111111111111111		
Preset Mode	PbPr output. Dell P2314T/P2714T O: Brightness / Contrast Auto Adjust Input Source Color Settings Display Settings Energy Settings	Input Color Format Preset Modes Image Enhance	Energy Use Standard Multimedia Movie Game Text	111111111111111111111111111111111111111		

Menu and Submenus Description



Menu and Submenus	Description				
Saturation	This feature adjusts the color saturation of the video image. Use or to adjust the saturation from 0 to 100. Press to increase the monochrome appearance. Press to increase the colorful appearance. NOTE: Saturation adjustment is available only for video input.				
Reset Color Settings	Resets your monitor's color settings to the factory defaults.				
Display Settings	Dell P2314T/P2714T Dell P2314T/P2714T Aspect Ratio Auto Adjust Horizontal Position Display Settings Pixel Clock Display Settings Phase Dynamic Contrast Menu Settings Dynamic Contrast Reset Display Settings Reset Display Settings				
Aspect Ratio	Adjust the image ratio to Wide 16:9, 4:3, or 5:4.				
Horizontal Position	Adjusts the horizontal position of the image. Use the and buttons to change the image position.				
Vertical Position	Adjusts the vertical position of the image. Use the and buttons to change the image position.				
Sharpness	Makes the image look sharper or softer. Use or to adjust the sharpness.				
Pixel Clock	The Phase and Pixel Clock adjustments allow you to adjust your monitor to your preference. Use the and buttons to adjust for best image quality.				
Phase	If satisfactory results are not obtained using the Phase adjustment, use the Pixel Clock (coarse) adjustment and then use Phase (fine), again. NOTE: Pixel Clock and Phase Adjustments are only available when your monitor is connected using the VGA cable.				
Dynamic Contrast	Dynamic Contrast adjusts the contrast ratio to 8,000,000 : 1. Push the button to select the Dynamic Contrast "On" or "Off".				
Reset Display Settings	Restores the display settings to factory defaults.				

Menu and Submenus Description Dell P2314T/P2714T Brightness / Contrast Energy Smart Off (±) Auto Adjust Off During Standby Input Source Power Button LED On During Active Color Settings Reset Energy Settings Display Settings **Energy Settings Energy Settings** Menu Settings Other Settings Personalize Resolution: 1024x768, 60Hz Maximum: 1920x1080, 60Hz Turn-on or turn-off dynamic dimming. Turning on Energy Smart activates dynamic dimming. With Energy Smart turned on, the monitor consumes overall less power compared to when Energy Smart is turned off. **Energy Smart NOTE:** Under Energy Smart mode and with dark scenes the monitor consumes less power and the Energy Use bar decreases. For bright scenes the monitor will consume more power and the energy level increases. This applies for both Energy smart on or Energy smart turned off. System Monitor status On Standby Off On Off Monitor with On (Disabled) (Disabled) (Disabled) upstream **USB** connected Monitor without Off/On* Off On upstream (depends connected on OSD selections) Allows you to set the state of the power light to save Power Button LED energy.

Restores the energy settings to factory defaults.

Reset Energy Settings

Menu and Submenus	Description					
	Dell P2314T/P2714T		En	Energy Use		
	- Brightness / Contrast	Language	•	English		
	Auto Adjust	Transparency)	20		
	Input Source	Timer	•	20s		
	Color Settings	Lock	+	Unlock		
Monu Cottings	Display Settings	Reset Menu Settings				
Menu Settings	Energy Settings					
	Menu Settings					
	Personalize	· ·				
	Resolution: 1024x768, 60	JHZ		Maximum: 1920x1080, 60Hz		
	Set the OSD display to one of eight languages.					
Language	English, Espanol, Francais, Deutsch, Brazilian Portugues Russian, Simplified Chinese, or Japanese.					
Transparency	This function is used to change the OSD background from					
· · · · · · · · · · · · · · · · · · ·	opaque to transparent.					
	OSD Hold Time: Sets the length of time the OSD remains					
Timer	active after you press a button.					
	Use the A and W buttons to adjust the slider in 1-second increments, from 5 to 60 seconds.					
	Controls user access to adjustments. When Lock is					
	selected, no user adjustments are allowed. All buttons are					
	locked.					
Lock	NOTE: Lock function – Either soft lock (through OSD					
LOCK	menu) or hard lock (Press and hold the button above					
	power button fo	•		/D		
	Unlock function— Only hard unlock (Press and hold the button above power button for 10 sec)					
Reset Menu Settings	Restore the men					
Reset Menu Settings	Nestore the men	iu settiriys to	iacio	ry acrautts.		

Menu and Submenus

Description



Other Settings



Select this option to adjust the OSD settings, such as the DDC/CI, LCD Conditioning, and so on.



DDC/CI

DDC/CI (Display Data Channel/Command Interface) allows you to adjust the monitor settings using software on your computer. Enable this feature for best user experience and optimum performance of your monitor.

Select **Disable** to turn off this feature.

LCD Conditioning

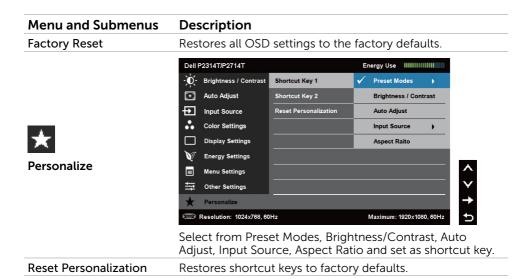


Helps reduce minor cases of image retention.

Depending on the degree of image retention, the program may take some time to run. Select **Enable** to start the process.

Reset Other Settings

Restores other settings, such as such as DDC/CI, to factory defaults.



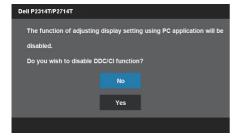
OSD Warning Messages

When the monitor does not support a display resolution, the following message appears:



This means that the monitor cannot synchronize with the signal that it is receiving from the computer. See Specifications for the frequency ranges addressable by this monitor. Recommended mode is 1920 X 1080.

The following message before the DDC/CI function is disabled.



The following message is displayed when monitor enters Power Save mode.



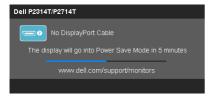
Activate the computer and wake up the monitor to gain access to the OSD If you press any button other than the power button, the following message appears:



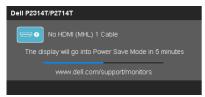
If you set the input to a particular mode but the cable for that mode (VGA, DP, or HDMI) is disconnected, one of the following messages appears, depending on the selected input.



or



or



For help on resolving errors, see Troubleshooting.

Setting the Maximum Resolution

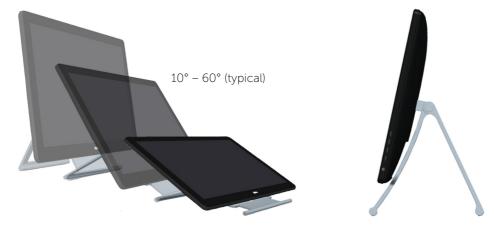
Windows Vista, Windows 7, or Windows 8/Windows 8.1

- **1.** For Windows 8/Windows 8.1 only, select the **Desktop** tile to switch to classic desktop.
- 2. Right-click on the desktop and click Screen resolution.
- 3. Click the drop-down list of the screen resolution and select 1920 X 1080.
- 4. Click OK.

If you do not see **1920 X 1080** as an option, you may need to update your video driver. For more information on updating video drivers, see Appendix.

Tilt

With the built-in stand, you can tilt the monitor for the most comfortable viewing angle. The monitor can be adjusted 10 degrees to 60 degrees.



 \triangle CAUTION: Adjust the tilt by holding the edges of the monitor using both hands.

Troubleshooting

CAUTION: Follow the safety instructions before you perform any of the procedures in this section.

Self-Test

Your monitor features 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 your computer and the monitor.
- 2. Unplug the display cable from the back of the computer. To ensure proper self-test operation, remove both the digital (white connector) and the analog (blue connector) cables from the back of computer, if connected.
- 3. Turn on the monitor.

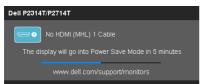
If the monitor is working correctly but cannot sense an incoming video signal, one of the following messages appear on the screen, depending on the selected input. The power light remains blue in self-test mode.



or



or



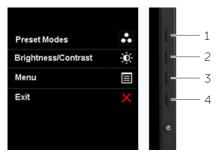
- **NOTE:** This message also appears during normal operation if the display cable gets disconnected or damaged.
- **4.** Turn off your monitor, disconnect and reconnect the display cable, then turn on your computer and the monitor.

If your monitor screen remains blank after you use the self test, check your video controller and computer, it shows monitor has a problem.

Built-in Diagnostics

Your monitor has a built-in diagnostic tool that helps you determine if the problems is with your monitor or with your computer and video card.

NOTE: You can run the built-in diagnostics only when no display cables are connected and the monitor is in self-test mode.



To run the built-in diagnostics:

- 1. Make sure the screen is clean.
- **2.** Unplug the display cable(s) from the computer or the monitor. The monitor enters the self-test mode.
- **3.** Press and hold button 1 and button 4 simultaneously for 2 seconds. A gray screen appears.
- 4. Carefully inspect the screen for abnormalities.
- **5.** Press button 4 again. The color of the screen changes to red.
- 6. Inspect the display for any abnormalities.
- 7. Repeat step 5 and step 6 to inspect the display in green, blue, black, white, and text screens.

The test is complete when the text-screen appears. To exit, press button 4 again.

If you do not see any screen abnormalities while running the built-in diagnostic, the monitor is functioning properly. Check the computer and video card for problems.

Common Problems

The following table contains information about resolving common monitor problems.

Common Symptoms	What You Experience	Possible Solutions
No Video	No picture	• Make sure the display cable connecting the monitor and the computer is properly connected and secure.
		 Make sure the power outlet is functioning properly using any other electrical equipment.
(Power light off)		• Make sure the power button is not pressed-in.
		 Make sure the correct input source is selected using the Input Source Select button.
		 Check the Power Button LED option under Energy Settings in OSD Menu.
		 Increase brightness and contrast using OSD. Perform monitor self-test.
		Check for bent or broken pins on the
No Video (Power light on)	No picture or no brightness	display cable and the ports.
(i ower tigrit on)	brightness	• Run the built-in diagnostics.
		 Make sure the correct input source is selected using the Input Source Select button.
		Perform Auto Adjust using OSD.
		Adjust the Phase and Pixel Clock using OSD.
Poor Focus	Picture is fuzzy, blurry, or	Eliminate video extension cables.
	ghosting	Reset the monitor to factory settings.
		 Change the video resolution to the correct aspect ratio (16:9).
	Wavy picture or fine movement	Perform Auto Adjust using OSD.
Chalay/litton		Adjust the Phase and Pixel Clock using OSD.
Shaky/Jittery Video		• Reset the monitor to factory settings.
		Check environmental factors.
		Relocate the monitor and test in another room.
Missing Pixels Stuck-on Pixels	LCD screen has spots	 Turn off the monitor, disconnect and reconnect the power cable, and turn on the monitor.
		 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 dell.com/support/monitors .

What You Experience	Possible Solutions
	Reset the monitor to factory settings.
	Auto Adjust using OSD.
or too bright	• Adjust brightness and contrast using the OSD.
6	• Reset the monitor to factory settings.
Screen not centered correctly	Auto Adjust using OSD.
	 Adjust horizontal and vertical positions using OSD.
	• Reset the monitor to factory settings.
	Perform Auto Adjust using OSD.
	Adjust Phase and Pixel Clock using OSD.
Screen has one or more lines	• Perform monitor self-test and determine if the lines appear in the self-test mode.
	 Check for bent or broken pins on the display cable and the ports.
	Run the built-in diagnostics.
	• Reset the monitor to factory settings.
Screen is scrambled or appears torn	• Perform Auto Adjust using OSD.
	 Adjust Phase and Pixel Clock using OSD.
	• Perform monitor self-test check to determine if the problem appears in self-test mode.
	 Check for bent or broken pins on the display cable and the ports.
	• Restart the computer in safe mode.
Monitor malfunctions on and off	Make sure the display cable connecting the monitor to the computer is connected properly and is secure.
	Reset the monitor to factory settings.
	Perform monitor self-test to determine if the intermittent problem occurs in self-test mode.
Picture missing color	Perform monitor self-test.
	• Make sure the display cable connecting the monitor to the computer is connected properly and is secure.
	Check for bent or broken pins on the
	Experience Picture too dim or too bright Screen not centered correctly Screen has one or more lines Screen is scrambled or appears torn Monitor malfunctions on and off

Common Symptoms	What You Experience	Possible Solutions
		• Change the Color Setting Mode in the Color Settings OSD to Graphics or Video depending on the application.
Wrong Color	Picture color not good	 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 from a static image left on the monitor for a long period of time	Faint shadow from the static image displayed appears on the screen	 Use the Power Management feature to turn off the monitor at all times when not in use (for more information, see Power Management Modes). Use a dynamically changing screen saver.
Safety Related Issues	Visible signs of smoke or sparks	Do not perform any troubleshooting steps. Contact Dell immediately.

Touchscreen Problems

Specific Symptoms	What You Experience	Possible Solutions
-		Use the Dell provided USB cable to connect your computer.
		 Make sure the power cable has a ground pin.
Touch report error	Touch function miss alignment or no touch function	 Unplug and replug the power cable from the power adapter to allow auto-recalibration of the touch module.
		 Make sure computer support USB 2.0 or later.
		 If the display cannot be detected by the computer, power off/on the monitor or unplug and replug the USB cable.
Touch screen non-responsive in power-save mode	Cannot wake up monitor and computer by using touch in power-save mode	Access Device Manager, expand HID Interface Device under Human Device.
		2. Right click HID- compliant device, click Properties and select the check-box to allow the device to wake the computer.

Specific Symptoms	What You Experience	Possible Solutions
Windows 7 and Windows 8/ Windows 8.1 Calibration	Cursor does not accurately follow your finger when you touch the screen	 Open Control Panel, open Hardware and Sound, and then open Tablet PC Settings. Select Calibration. Follow the instructions to recalibrate your screen

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 aspect ratio in Image Setting OSD menu Reset the monitor to factory settings.
Cannot adjust the monitor settings using the buttons on the front panel	OSD does not appear on the screen	Turn off the monitor, disconnect and reconnect the power cable, and turn on the monitor.
No input signal when controls are pressed	No picture, the light is white.	 Check the signal source. Make sure the computer is not in power saving mode, by moving the mouse or pressing a key or the keyboard. Make sure your computer or other video-output device is powered on and playing video media. Make sure the display cable connecting the monitor to the computer is connected properly and is secure. Unplug and replug the display cable. Restart the computer or video player.
The picture does not fill the entire screen.	The picture cannot fill the height or width of the screen	 Due to different video formats and aspect ratios of DVDs, the monitor may not display the video in full screen. Run the built-in diagnostics.

Appendix

Safety Instructions

MARNING: 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 **dell.com/regulatory_compliance**.

Contacting Dell

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 contact Dell for sales, technical support, or customer service issues.

- 1. Go to dell.com/support.
- 2. Verify your country or region on the top-left of the page.
- 3. Click Contact Us.
- 4. Click the appropriate service or support link based on your need.

Setting Display Resolution to 1920 X 1080 (maximum)

For maximum display performance while using the Microsoft Windows operating systems, set the display resolution to 1920 X 1080 pixels by performing the following steps:

Windows XP

- 1. Right-click on the desktop and click Properties.
- 2. Select the Settings tab.
- **3.** Move the slider-bar to the right by pressing and holding the left-mouse button and adjust the screen resolution to 1920 X 1080.
- 4. Click OK

Windows Vista, Windows 7, or Windows 8/Windows 8.1

- 1. Right-click on the desktop and click Personalization.
- 2. Click Change Display Settings.
- Move the slider-bar to the right by pressing and holding the left-mouse button and adjust the screen resolution to 1920 X 1080.
- 4. Click OK

Downloading Latest Video Drivers

Dell computer

- **1.** Go to **dell.com/support**, enter the Service Tag of your computer, and download the latest driver for your video card.
- 2. After installing the drivers, try setting the resolution to 1920 X 1080 again.

If you are unable to set the resolution to 1920 X 1080 even after updating the video drivers, contact Dell technical support.

Non-Dell computer or video card

Windows XP

- 1. Right-click on the desktop and click **Properties**.
- 2. Select the **Settings** tab.
- 3. Select Advanced
- **4.** Identify your video card manufacturer (such as NVIDIA, ATI, Intel, and so on) from the description at the top of the window.
- **5.** See the computer or video-card manufacturer's website for updated drivers.

Windows Vista, Windows 7, or Windows 8/Windows 8.1

- 1. Right-click on the desktop and click Personalization.
- 2. Click Change Display Settings.
- 3. Click Advanced Settings.
- **4.** Identify your video card manufacturer (such as NVIDIA, ATI, Intel, and so on) from the description at the top of the window.
- **5.** See the computer or video-card manufacturer's website for updated drivers.

After installing the updated drivers for your video card, try setting the resolution to 1920 X 1080 again. If you are unable to set the resolution to 1920 X 1080, contact the manufacturer of your computer or consider purchasing a graphics adapter that supports the resolution of 1920 X 1080.

Setting up Dual Monitors

Connect the external monitor(s) to your computer and follow any of the below setup method.

Using keyboard shortcut

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

Windows Vista and Windows 7



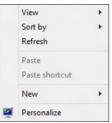
Windows 8/Windows 8.1



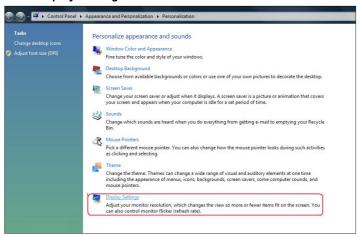
Using display settings

Windows Vista

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



2. Click Display Settings.



3. Click **Identify Monitors** and select the appropriate options.



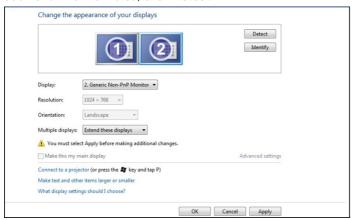
NOTE: If your computer does not detect the second monitor, restart your computer and repeat step 1 to step 3.

Windows 7

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



2. Click Multiple displays to choose a display selection. If you do not see the additional monitor listed, click **Detect**.



NOTE: If your computer does not detect the second monitor, restart your computer and repeat step 1 to step 3.

Windows 8/Windows 8.1

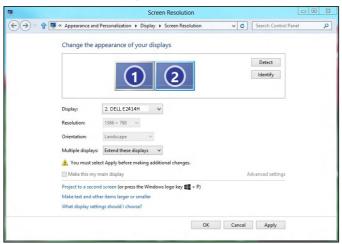
1. From the **Start** screen, select **Desktop** tile to switch to the classic Windows desktop.



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**.



NOTE: If your computer does not detect the second monitor, restart your computer and repeat step 1 to step 3.

Display Styles For Multiple Monitors

After connecting external monitors, you can choose to duplicate, extend, or use only one of the monitors.

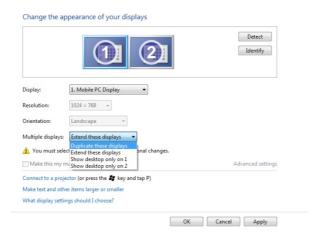
Duplicate displays

This option shows the same content on all monitors. The resolution of all monitors is set to match the monitor with the minimum resolution.

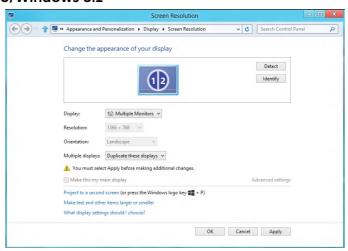
Windows Vista

[DUPLICATE NOT AVAILABLE]

Windows 7



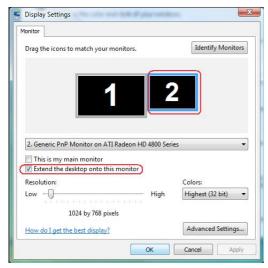
Windows 8/Windows 8.1



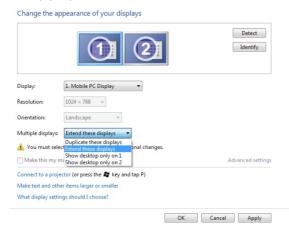
Extend displays

This option shows separate content on the selected monitors. The resolution of each monitor can be set independently. You can set the relative position of the displays. you can match the location of the screen relative to the physical placement of the monitors, such as left, right, top, bottom, and so on. To set the position, drag the monitor icons to the desired position.

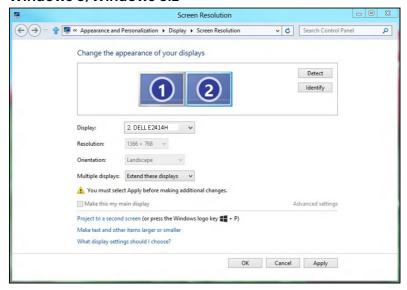
Windows Vista



Windows 7



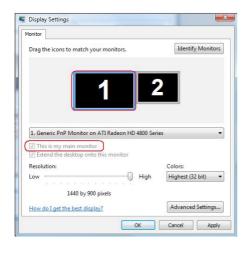
Windows 8/Windows 8.1

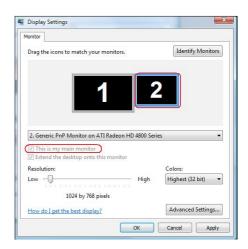


Show desktop only on...

This option allows you to select the monitor to display content. You can choose to use any one of the monitors connected to your computer—or in case of laptop, the built-in display or the external display. This option is generally used when a laptop with a lower-resolution display is connected to a higher-resolution external display and you want to see the content only on the external monitor.

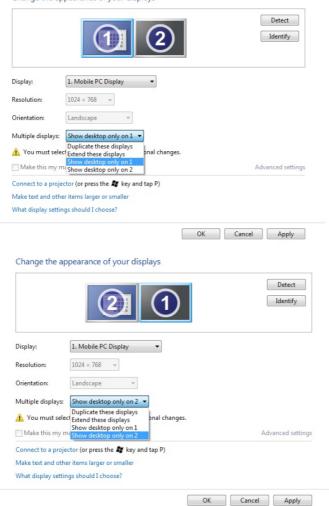
Windows Vista





Windows 7

Change the appearance of your displays



Windows 8/Windows 8.1

