




# Dell UltraSharp UP2516D/UP2716D User's Guide

Model: UP2516D/UP2716D  
Regulatory model: UP2516Dt/UP2716Dt



-  **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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# Contents

|  |           |
|--|-----------|
| <b>About Your Monitor</b> .....                              | <b>5</b>  |
| Package Contents .....                                       | 5         |
| Product Features .....                                       | 6         |
| Identifying Parts and Controls .....                         | 7         |
| Monitor Specifications .....                                 | 10        |
| Plug-and-Play .....  | 22        |
| LCD Monitor Quality and Pixel Policy .....                   | 22        |
| <b>Setting Up the Monitor</b> .....                          | <b>23</b> |
| Attaching the Stand .....                                    | 23        |
| Using the Tilt, Swivel, and Vertical Extension .....         | 26        |
| Adjusting the Rotation Display Settings of Your System ..... | 27        |
| Connecting Your Monitor .....                                | 27        |
| Organizing Your Cables .....                                 | 31        |
| Removing the Monitor Stand .....                             | 31        |
| Wall Mounting (Optional) .....                               | 32        |
| <b>Operating the Monitor</b> .....                           | <b>33</b> |
| Turning on the Monitor .....                                 | 33        |
| Using the Front Panel Controls .....                         | 33        |
| Using the On-Screen Display (OSD) Menu .....                 | 36        |
| <b>Troubleshooting</b> .....                                 | <b>54</b> |
| Self-Test .....  | 54        |

|  |           |
|--|-----------|
| Built-in Diagnostics . . . . .                                     | 56        |
| Common Problems. . . . .   | 57        |
| Product Specific Problems . . . . .                                | 58        |
| Mobile High-Definition Link (MHL) Specific Problems. . . . .       | 59        |
| <b>Appendix . . . . .</b>  | <b>60</b> |
| Safety Instructions . . . . .                                      | 60        |
| FCC Notices (U.S. only) and Other Regulatory Information . . . . . | 60        |
| Contacting Dell . . . . .  | 60        |
| Setting Up Your Monitor . . . . .                                  | 61        |
| Maintenance Guidelines. . . . .                                    | 62        |




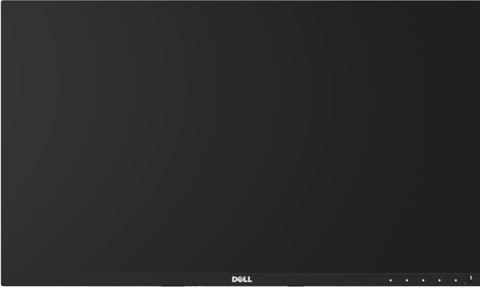

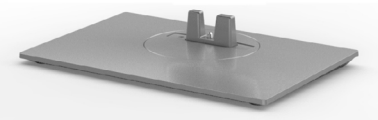

# About Your Monitor




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## 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.

|   |                                 |
|---|---------------------------------|
|    | Monitor                         |
|   | Stand riser                     |
|  | Stand base                      |
|  | Power cable (varies by country) |

|   |   |
|---|---|
|  | <p>USB 3.0 upstream cable (enables the USB ports on the monitor)</p>  |
|  | <p>DP cable (mDP to DP)</p>   |
|  | <ul style="list-style-type: none"> <li>• Drivers and documentation media</li> <li>• Quick Setup Guide</li> <li>• Safety and Regulatory Information</li> <li>• Factory Calibration Report</li> </ul> |

## Product Features

The **Dell UltraSharp UP2516D/UP2716D** monitor has an active matrix, thinfilm transistor (TFT), liquid crystal display (LCD), and LED backlight. The monitor features include:

- **UP2516D:** 63.44 cm (25-inch) active area display (Measured diagonally) 2560 x 1440 resolution, plus full-screen support for lower resolutions.
- **UP2716D:** 68.47 cm (27-inch) active area display (Measured diagonally) 2560 x 1440 resolution, plus full-screen support for lower resolutions.
- Tilt, swivel, pivot and vertical extension adjustment capabilities.
- Removable pedestal and Video Electronics Standards Association (VESA™) 100 mm mounting holes for flexible mounting solutions.
- Ultra-thin bezel minimizes the bezel gap in multi-monitor usage, enabling easier set up with an elegant viewing experience.
- Extensive digital connectivity with DP, mDP, HDMI (MHL), and USB 3.0 helps future-proof your monitor.
- High Dynamic Contrast Ratio (2,000,000:1) .
- Supports major industry standards: 100% AdobeRGB, 100% sRGB, 100% REC709, 98% DCI-P3.
- 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.
- Asset Management Capability.
- Energy Star Compliant.
- EPEAT Gold Compliant.
- RoHS compliant.

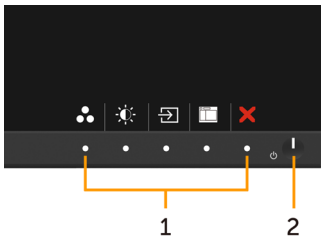
- BFR/PVC Free monitor (excluding cables).
- TCO Certified Displays.
- Arsenic-Free glass and Mercury Free for Panel only.
- 0.3 W standby power when in the sleep mode.
- Energy Gauge shows the energy level being consumed by the monitor in real time.

## Identifying Parts and Controls

### Front view



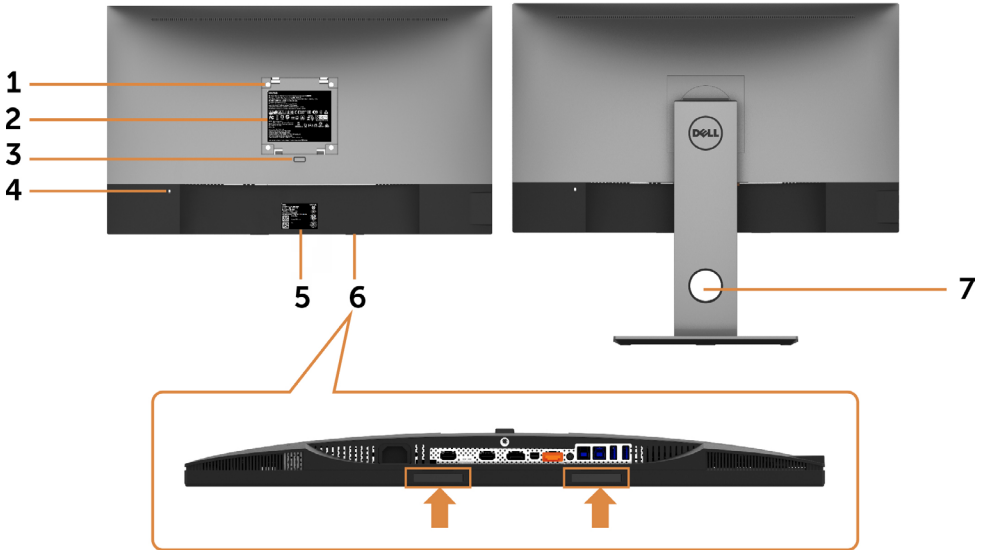
Front view



Front panel controls

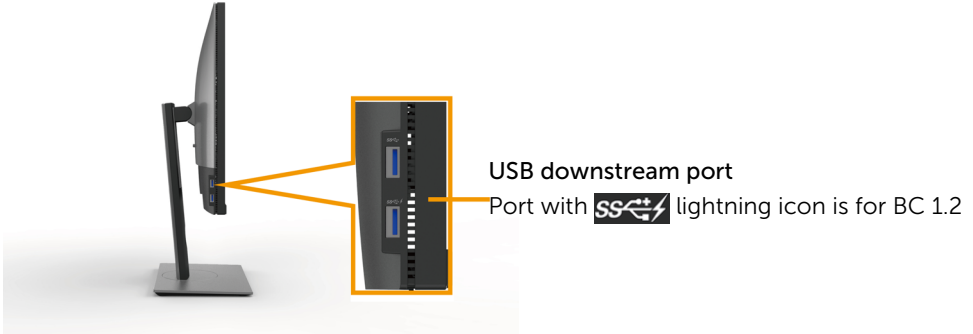
| Label | Description   |
|-------|---|
| 1     | Function buttons (For more information, see <a href="#">Operating the Monitor</a> ) |
| 2     | Power on/off button (with LED indicator)  |

## Back View

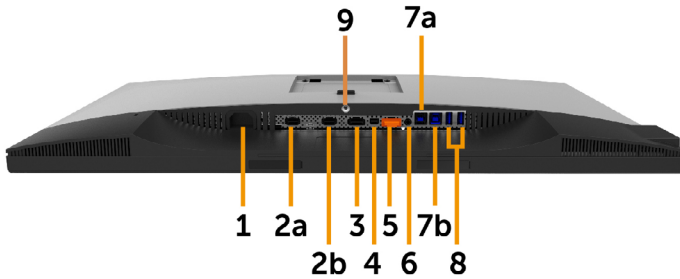



| Label | Description  | Use  |
|-------|--|--|
| 1     | VESA mounting holes (100 mm x 100 mm-behind attached VESA cover) | Wall mount monitor using VESA-compatible wall mount kit (100 mm x 100 mm).   |
| 2     | Regulatory label   | Lists the regulatory approvals.  |
| 3     | Stand release button   | Release stand from monitor.  |
| 4     | Security lock slot   | Secures monitor with security cable lock (sold separately).  |
| 5     | Barcode, serial number, and Service Tag label                    | Refer to this label if you need to contact Dell for technical support.   |
| 6     | Dell soundbar mounting slots                                     | Attaches the optional Dell soundbar.<br><b>NOTE:</b> Please remove the plastic strip covering the mounting slots before affixing the Dell Soundbar.<br>Dell soundbar is sold separately. |
| 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.   |
| 2a    | HDMI (MHL) 1 connector  | Connect your computer with HDMI cable or MHL devices with MHL cable (optional).   |
| 2b    | HDMI (MHL) 2 connector  |   |
| 3     | DP connector (in)   | Connect your computer with DP cable.  |
| 4     | mDP connector (in)  | Connect your computer with mDP to DP cable.   |
| 5     | DP connector (out)<br> | DP output for MST (multi-stream transport) capable monitor. DP 1.1 monitor can only be connected as the last monitor in the MST chain. To enable MST, refer to instruction on section " <a href="#">Connecting the Monitor for DP MST Function</a> ".<br><b>NOTE:</b> Remove the rubber plug when use DP out connector. |

|           |                          |  |
|-----------|--------------------------|--|
| <b>6</b>  | Audio line-out port      | Connect speakers to playback audio coming through HDMI or DP audio channels. Only supports 2-channel audio.<br><b>NOTE:</b> The audio line-out port does not support headphones. |
| <b>7a</b> | USB upstream 1 port      | Connect the USB cable that comes with your monitor to the computer. Once this cable is connected, you can use the USB downstream connectors on the monitor.                      |
| <b>7b</b> | USB upstream 2 port      |  |
| <b>8</b>  | USB downstream ports (2) | 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.                       |
| <b>9</b>  | Stand lock               | Lock the stand to the monitor using a M3 x 6 mm screw (screw not included).  |

## Monitor Specifications

### Flat Panel Specifications

| Model             | UP2516D  | UP2716D  |
|-------------------|--|--|
| Screen type       | Active matrix - TFT LCD  | Active matrix - TFT LCD  |
| Panel type        | In-plane switching (IPS)                                       | In-plane switching (IPS)                                       |
| Viewable image:   |  |  |
| Diagonal          | 63.44 cm (25 inches)   | 68.47 cm (27 inches)   |
| Active Area:      |  |  |
| Horizontal        | 552.96 mm (21.77 inches)                                       | 596.74 mm (23.49 inches)                                       |
| Vertical          | 311.04 mm (12.25 inches)                                       | 335.66 mm (13.21 inches)                                       |
| Area              | 171992.68 mm <sup>2</sup><br>(266.59 inches <sup>2</sup> )     | 200301.75 mm <sup>2</sup><br>(310.47 inches <sup>2</sup> )     |
| Pixel pitch       | 0.216 mm x 0.216 mm  | 0.2331 mm x 0.2331 mm  |
| Viewing angle:    |  |  |
| Horizontal        | 178° (typical)   | 178° (typical)   |
| Vertical          | 178° (typical)   | 178° (typical)   |
| Luminance output  | 300 cd/m <sup>2</sup> (typical)                                | 300 cd/m <sup>2</sup> (typical)                                |
| Contrast ratio    | 1000 to 1 (typical)<br>2,000,000 to 1<br>(dynamic contrast on) | 1000 to 1 (typical)<br>2,000,000 to 1<br>(dynamic contrast on) |
| Faceplate coating | Anti-glare treatment of the front polarizer (3H)               | Anti-glare treatment of the front polarizer (3H)               |
| Backlight         | LED  | LED  |

|               |   |   |
|---------------|---|---|
| Response Time | 14 ms (typical),<br>6 ms (fast mode)                    | 14 ms (typical),<br>6 ms (fast mode)                    |
| Color depth   | 1.07 Billion colors                                     | 1.07 Billion colors                                     |
| Color gamut   | 100% AdobeRGB<br>100% sRGB<br>100% REC709<br>98% DCI-P3 | 100% AdobeRGB<br>100% sRGB<br>100% REC709<br>98% DCI-P3 |

## Resolution Specifications

|  |   |
|--|---|
| Horizontal scan range                                    | 30 kHz to 88 kHz                                |
| Vertical scan range                                      | 50 Hz to 75 Hz                                  |
| Maximum preset resolution                                | 2560 x 1440 at 60 Hz                            |
| Video display capabilities<br>(DP & HDMI & MHL playback) | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, QHD |

## Preset Display Modes

| Display Mode      | Horizontal Frequency (kHz) | Vertical Frequency (Hz) | Pixel Clock (MHz) | Sync Polarity (Horizontal/Vertical) |
|-------------------|----------------------------|-------------------------|-------------------|-------------------------------------|
| 720 x 400         | 31.5                       | 70.0                    | 28.3              | -/+                                 |
| VESA, 640 x 480   | 31.5                       | 60.0                    | 25.2              | -/-                                 |
| VESA, 640 x 480   | 37.5                       | 75.0                    | 31.5              | -/-                                 |
| VESA, 800 x 600   | 37.9                       | 60.0                    | 40.0              | +/+                                 |
| VESA, 800 x 600   | 46.9                       | 75.0                    | 49.5              | +/+                                 |
| VESA, 1024 x 768  | 48.4                       | 60.0                    | 65.0              | -/-                                 |
| VESA, 1024 x 768  | 60.0                       | 75.0                    | 78.8              | +/+                                 |
| VESA, 1152 x 864  | 67.5                       | 75.0                    | 108.0             | +/+                                 |
| VESA, 1280 x 1024 | 64.0                       | 60.0                    | 108.0             | +/+                                 |
| VESA, 1280 x 1024 | 80.0                       | 75.0                    | 135.0             | +/+                                 |
| VESA, 1600 x 1200 | 75.0                       | 60.0                    | 162.0             | +/+                                 |
| VESA, 1920 x 1080 | 67.5                       | 60.0                    | 148.5             | +/+                                 |
| VESA, 2048 x 1080 | 26.27                      | 24                      | 58.22             | +/-                                 |
| VESA, 2048 x 1080 | 66.58                      | 60                      | 147.16            | +/-                                 |
| VESA, 2560 x 1440 | 88.8                       | 60.0                    | 241.5             | +/-                                 |

## MHL Source Display Modes

| Display Mode      | Frequency (Hz) |
|-------------------|----------------|
| 640 x 480p        | 60             |
| 720 x 480p        | 60             |
| 720 x 576p        | 50             |
| 720 (1440) x 480i | 60             |
| 720 (1440) x 576i | 50             |
| 1280 x 720p       | 60             |
| 1280 x 720p       | 50             |
| 1920 x 1080i      | 60             |
| 1920 x 1080i      | 50             |
| 1920 x 1080p      | 30             |
| 1920 x 1080p      | 60             |

## MST Multi-Stream Transport (MST) Modes

| MST Source Monitor | Maximum number of external monitor that can be supported |                   |                   |
|--------------------|--|-------------------|-------------------|
|                    | 2560 x 1440/60 Hz  | 1920 x 1200/60 Hz | 1920 x 1080/60 Hz |
| 2560 x 1440/60 Hz  | 1  | 2                 | 2                 |



**NOTE:** Maximum external monitor resolution supported is 2560x1440 60Hz only.

## Electrical Specifications

|                                   |  |
|-----------------------------------|--|
| Video input signals               | <ul style="list-style-type: none"> <li>Digital video signal for each differential line. Per differential line at 100 ohm impedance.</li> <li>DP/HDMI/MHL signal input support</li> </ul> |
| Input voltage/ frequency/ current | 100-240 VAC / 50 or 60 Hz $\pm$ 3 Hz / 1.6 A (maximum)   |
| Inrush current                    | 120 V: 30 A (Max.)<br>240 V: 60 A (Max.)   |



## Physical Characteristics

| Model   | UP2516D  | UP2716D  |
|---|--|--|
| Connector type  | <ul style="list-style-type: none"> <li>• DP connector (include DP in and DP out)</li> <li>• mDP connector</li> <li>• HDMI (MHL) 1/HDMI (MHL) 2 connector</li> <li>• Audio line-out</li> <li>• USB 3.0 update stream port connector.</li> <li>• USB 3.0 down stream port connector x 4.</li> </ul> (Port with  lightning icon is for BC 1.2) | <ul style="list-style-type: none"> <li>• DP connector (include DP in and DP out)</li> <li>• mDP connector</li> <li>• HDMI (MHL) 1/HDMI (MHL) 2 connector</li> <li>• Audio line-out</li> <li>• USB 3.0 update stream port connector.</li> <li>• USB 3.0 down stream port connector x 4.</li> </ul> (Port with  lightning icon is for BC 1.2) |
| Signal cable type   | mDP to DP 1.8 M cable.<br>USB 3.0 1.8 M cable.   | mDP to DP 1.8 M cable.<br>USB 3.0 1.8 M cable.   |
| <b>Dimensions (with stand)</b>  |  |  |
| Height (extended)   | 528.0 mm (20.79 inches)  | 540.3 mm (21.27 inches)  |
| Height (compressed)   | 398.0 mm (15.67 inches)  | 410.3 mm (16.15 inches)  |
| Width   | 567.7 mm (22.35 inches)  | 611.4 mm (24.07 inches)  |
| Depth   | 200.3 mm (7.89 inches)   | 200.3 mm (7.89 inches)   |
| <b>Dimensions (without stand)</b>   |  |  |
| Height  | 337.9mm (13.30 inches)   | 362.5 mm (14.27 inches)  |
| Width   | 567.7 mm (22.35 inches)  | 611.4 mm (24.07 inches)  |
| Depth   | 51.6 mm (2.03 inches)  | 51.4 mm (2.02 inches)  |
| <b>Stand dimensions</b>   |  |  |
| Height (extended)   | 433.4 mm (17.06 inches)  | 433.4 mm (17.06 inches)  |
| Height (compressed)   | 387.2 mm(15.24 inches)   | 387.2 mm(15.24 inches)   |
| Width   | 292.4 mm (11.51 inches)  | 292.4 mm (11.51 inches)  |
| Depth   | 200.3 mm (7.89 inches)   | 200.3 mm (7.89 inches)   |
| <b>Weight</b>   |  |  |
| Weight with packaging   | 8.80 kg (19.40 lb)   | 9.52 kg (20.99 lb)   |
| Weight with stand assembly and cables   | 6.96 kg (15.34 lb)   | 7.42 kg (16.36 lb)   |
| Weight without stand assembly (For wall mount or VESA mount considerations - no cables) | 4.10 kg (9.04 lb)  | 4.56 kg (10.05 lb)   |

|                          |                   |                   |
|--------------------------|-------------------|-------------------|
| Weight of stand assembly | 2.55 kg (5.62 lb) | 2.55 kg (5.62 lb) |
| Front frame gloss        | 5.5 ± 1.5 GU      | 5.5 ± 1.5 GU      |

## Environmental Characteristics

|                     |  |  |
|---------------------|--|--|
| <b>Model</b>        | <b>UP2516D/UP2716D</b>                               |  |
| Temperature:        |  |  |
| Operating           | 0°C to 35°C (32°F to 95°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 (16,404 ft) (maximum)                        |  |
| Non-operating       | 12,192 m (40,000 ft) (maximum)                       |  |
| Thermal dissipation | 443.7 BTU/hour (maximum)<br>153.6 BTU/hour (typical) |  |

## Power Management Modes

If you have VESA's DPM-compliant video 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 the 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       | Horizontal Sync | Vertical Sync | Video  | Power Indicator            | Power Consumption                   |
|------------------|-----------------|---------------|--------|----------------------------|-------------------------------------|
| Normal operation | Active          | Active        | Active | White                      | 130 W (maximum)**<br>45 W (typical) |
| Active-off mode  | Inactive        | Inactive      | Off    | White<br>(blinking slowly) | Less than 0.3 W                     |
| Switch off       | -               | -             | -      | Off                        | Less than 0.3 W                     |

| Model   | Energy Star | Power Consumption |
|---------|-------------|-------------------|
| UP2516D | On Mode     | 38 W***           |
| UP2716D | On Mode     | 40 W***           |

The OSD operates only in the normal operation mode. If you press any button in the active-off mode, one of the following message is displayed:

Dell UltraSharp UP2516D/UP2716D

There is no signal coming from your device. Please activate your device 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.

\*Zero power consumption in OFF mode can only be achieved by disconnecting the AC mains cable from the monitor.

\*\*Maximum power consumption with maximum luminance.

\*\*\* Energy consumption (On Mode) is tested at 230 Volts / 50 Hz.

This document is informational only and reflects laboratory performance. Your product may perform differently, depending on the software, components and peripherals you ordered and shall have no obligation to update such information. Accordingly, the customer should not rely upon this information in making decisions about electrical tolerances or otherwise. No warranty as to accuracy or completeness is expressed or implied.

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

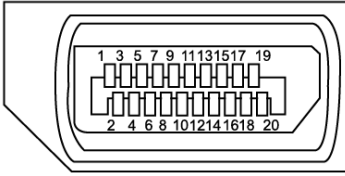


**NOTE:** This monitor is **ENERGY STAR** -compliant.



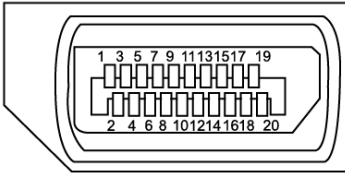
# Pin Assignments

## DP connector (in)



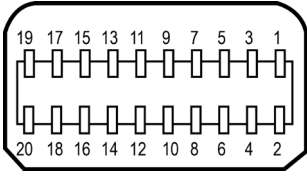
| Pin number | 20-pin side of the connected signal cable |
|------------|---|
| 1          | ML3(n)                                    |
| 2          | GND                                       |
| 3          | ML3(p)                                    |
| 4          | ML2(n)                                    |
| 5          | GND                                       |
| 6          | ML2(p)                                    |
| 7          | ML1(u)                                    |
| 8          | GND                                       |
| 9          | ML1(p)                                    |
| 10         | ML0(n)                                    |
| 11         | GND                                       |
| 12         | ML0(p)                                    |
| 13         | CONFIG1                                   |
| 14         | CONFIG2                                   |
| 15         | AUX CH (p)                                |
| 16         | GND                                       |
| 17         | AUX CH (n)                                |
| 18         | Hot Plug Detect                           |
| 19         | Return                                    |
| 20         | DP_PWR                                    |

## DP connector (out)



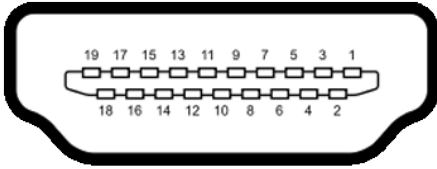
| Pin number | 20-pin side of the connected signal cable |
|------------|---|
| 1          | ML0(p)                                    |
| 2          | GND                                       |
| 3          | ML0(n)                                    |
| 4          | ML1(p)                                    |
| 5          | GND                                       |
| 6          | ML1(n)                                    |
| 7          | ML2(p)                                    |
| 8          | GND                                       |
| 9          | ML2(n)                                    |
| 10         | ML3(p)                                    |
| 11         | GND                                       |
| 12         | ML3(n)                                    |
| 13         | CONFIG1                                   |
| 14         | CONFIG2                                   |
| 15         | AUX CH(p)                                 |
| 16         | GND                                       |
| 17         | AUX CH(n)                                 |
| 18         | Hot Plug Detect                           |
| 19         | Return                                    |
| 20         | DP_PWR                                    |

## mDP connector



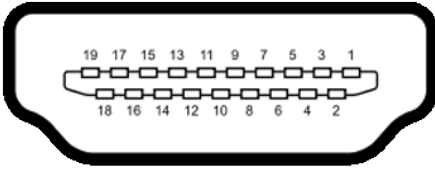
| Pin number | 20-pin side of the connected signal cable |
|------------|---|
| 1          | GND                                       |
| 2          | Hot Plug Detect                           |
| 3          | ML3 (n)                                   |
| 4          | CONFIG1                                   |
| 5          | ML3 (p)                                   |
| 6          | CONFIG2                                   |
| 7          | GND                                       |
| 8          | GND                                       |
| 9          | ML2 (n)                                   |
| 10         | ML0 (p)                                   |
| 11         | ML2 (p)                                   |
| 12         | ML0 (p)                                   |
| 13         | GND                                       |
| 14         | GND                                       |
| 15         | ML1 (n)                                   |
| 16         | AUX (p)                                   |
| 17         | ML1 (p)                                   |
| 18         | AUX (n)                                   |
| 19         | GND                                       |
| 20         | DP_PWR                                    |

## HDMI connector



| Pin number | 19-pin side of the connected signal cable |
|------------|---|
| 1          | TMDS DATA 2+                              |
| 2          | TMDS DATA 2 SHIELD                        |
| 3          | TMDS DATA 2-                              |
| 4          | TMDS DATA 1+                              |
| 5          | TMDS DATA 1 SHIELD                        |
| 6          | TMDS DATA 1-                              |
| 7          | TMDS DATA 0+                              |
| 8          | TMDS DATA 0 SHIELD                        |
| 9          | TMDS DATA 0-                              |
| 10         | TMDS CLOCK+                               |
| 11         | TMDS CLOCK SHIELD                         |
| 12         | TMDS CLOCK-                               |
| 13         | CEC                                       |
| 14         | Reserved (N.C. on device)                 |
| 15         | DDC CLOCK (SCL)                           |
| 16         | DDC DATA (SDA)                            |
| 17         | DDC/CEC Ground                            |
| 18         | +5 V POWER                                |
| 19         | HOT PLUG DETECT                           |

## MHL connector




| Pin number | 19-pin side of the connected signal cable |
|------------|---|
| 1          | N/C                                       |
| 2          | CD_SENSE                                  |
| 3          | N/C                                       |
| 4          | N/C                                       |
| 5          | TMDS_GND                                  |
| 6          | N/C                                       |
| 7          | MHL+                                      |
| 8          | MHL_Shield                                |
| 9          | MHL-                                      |
| 10         | N/C                                       |
| 11         | TMDS_GND                                  |
| 12         | N/C                                       |
| 13         | N/C                                       |
| 14         | N/C                                       |
| 15         | CD_PULLUP                                 |
| 16         | N/C                                       |
| 17         | VBUS_CBUS_GND                             |
| 18         | VBUS                                      |
| 19         | CBUS                                      |
| 2Shell     | Shield                                    |




## Universal Serial Bus (USB)

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

**NOTE:** Up to 2 A on USB downstream port (port with  with lightning icon) with BC 1.2 compliance devices; up to 0.9 A on the other 3 USB downstream ports.

Your computer has the following USB ports:

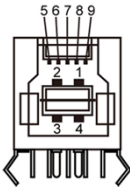
- 2 upstream - bottom
- 4 downstream - 2 at left side, 2 at bottom

Power Charging Port - the one on the left side (Port with  lightning icon); supports fast current charging capability if the device is BC 1.2 compatible.

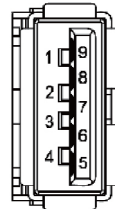
**NOTE:** The monitor's USB ports work only when the monitor is on or in the power save mode. If you turn off the monitor and then turn it on, the attached peripherals may take a few seconds to resume normal functionality.

| 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 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      |

## Plug-and-Play

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 computer 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](#).

## 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 LCD Monitor Pixel Policy, see Dell support site at: <http://www.dell.com/support/monitors>.

# Setting Up the Monitor

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## Attaching the Stand



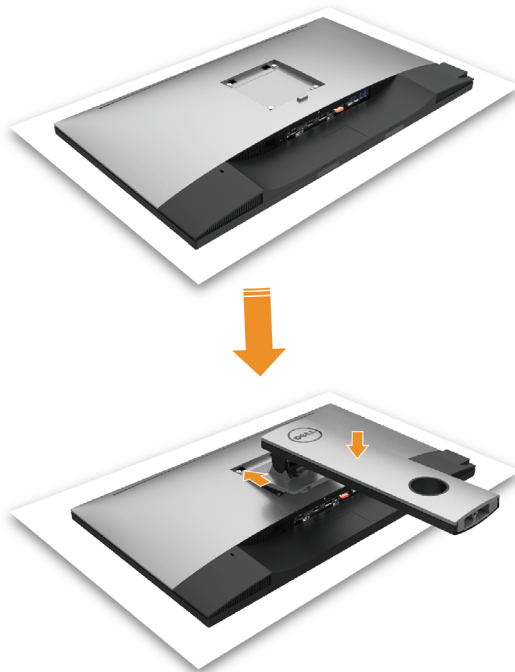
**NOTE:** The stand riser and stand base are detached when the monitor is shipped from the factory.



**NOTE:** The procedure below is applicable for the default stand. If you purchased any other stand, see the documentation shipped with the stand to set it up.



**CAUTION:** Place monitor on a flat, clean, and soft surface to avoid scratching the display panel.

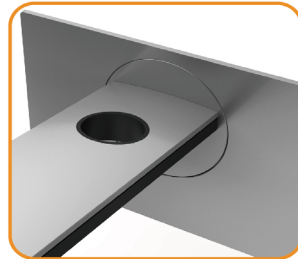
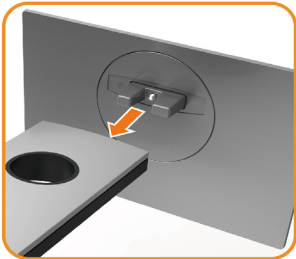


To attach the monitor stand:

- Remove the monitor protective cover and place the monitor with its front facing downward on it.
- Insert the two tabs on the upper part of the stand to the groove on the back of the monitor.
- Press the stand down till it snaps into its place.



- Hold the stand base with the triangle mark ▲ facing upward.



- Align the stand base protruded blocks to the matching slot on the stand.
- Insert the stand base blocks fully into the stand slot.



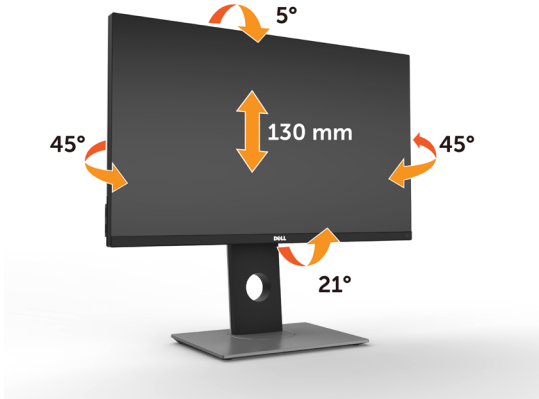
- Lift the screw handle and turn the screw clockwise.
- After fully tighten the screw, fold the screw handle flat within the recess.

# Using the Tilt, Swivel, and Vertical Extension

**NOTE:** This is applicable for a monitor with a stand. If you purchased any other stand, refer to the respective stand setup guide for set up instructions.

## Tilt, Swivel and Vertical Extension

With the stand attached to the monitor, you can tilt the monitor for the most comfortable viewing angle.



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


## Rotating the Monitor

Before you rotate the monitor, your monitor should be fully vertically extended and fully tilted 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 [www.dell.com/support](http://www.dell.com/support) 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.
- 4 If you have an nVidia graphics card, click the nVidia tab, in the left-hand column select NVRotate, and then select the preferred rotation.
- 5 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 [www.dell.com/support](http://www.dell.com/support) and download the latest driver for your graphics card.

## Connecting Your Monitor

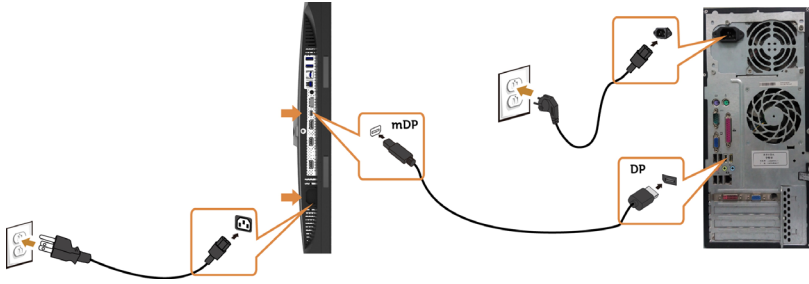
 **WARNING:** Before you begin any of the procedures in this section, follow the [Safety Instructions](#).

To connect your monitor to the computer:

- 1 Turn off your computer.
- 2 Connect the mDP-DP/HDMI/USB cable from your monitor to the computer. (Vertically extend and tilt the monitor completely to rotate it for cable connection. See [Rotating the Monitor](#).)
- 3 Switch on your monitor.
- 4 Select the correct input source at Monitor OSD Menu and turn on your computer.

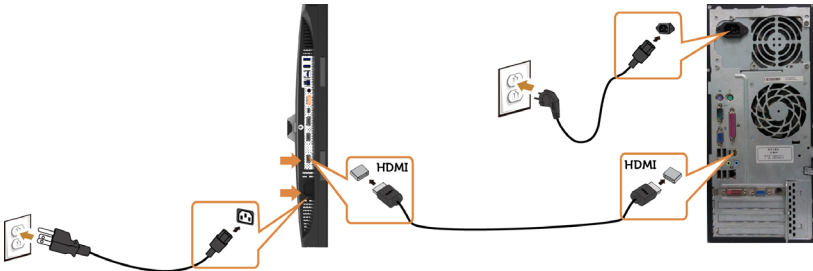
 **NOTE:** UP2X16D default setting is DP 1.2. DP 1.1 Graphic card may not display normally. Please refer to "[product specific problems – No image when using DP connection to the PC](#)" to change default setting.

## Connecting the DP (or mDP) cable

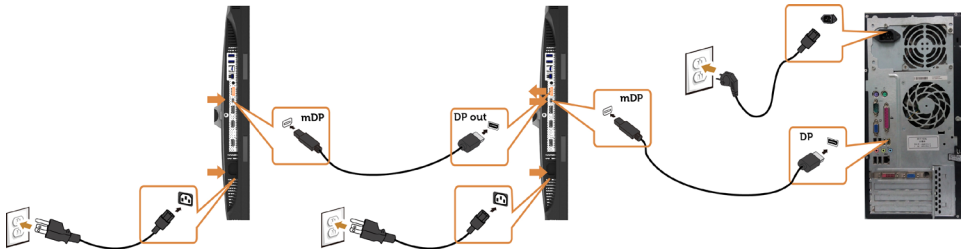


**NOTE:** Default is DP port. Select input source on monitor to switch to mDP.

## Connecting the HDMI cable(Optional)



## Connecting the monitor for DP Multi-Stream Transport (MST) function



**NOTE:** Supports the DP MST feature. To make use of this feature, your PC Graphics Card must be certified to DP1.2 with MST option.

**NOTE:** Remove the rubber plug when use DP out connector.



## Connecting the USB cable


After you have completed connecting the DP-mDP cables, follow the procedure below to connect the USB 3.0 cable to the computer and complete your monitor setup:

### 1 a. Connect one computer:

Connect the upstream USB 3.0 port (cable supplied) to an appropriate USB 3.0 port on your computer.

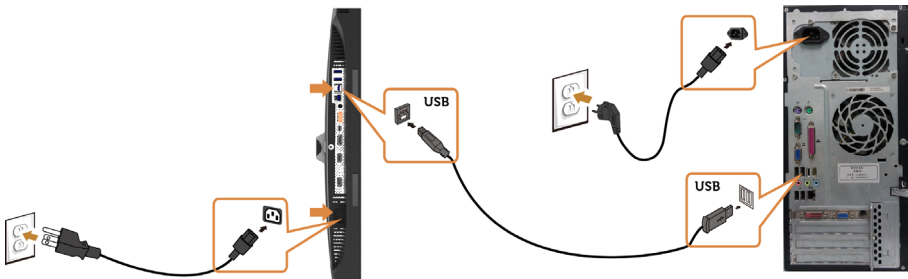
### b. Connect two computers:

Connect the upstream USB 3.0 ports to appropriate USB 3.0 ports on the two computers. Then use the OSD menu to select between the two USB upstream sources and input sources. See [USB Select Switch](#).

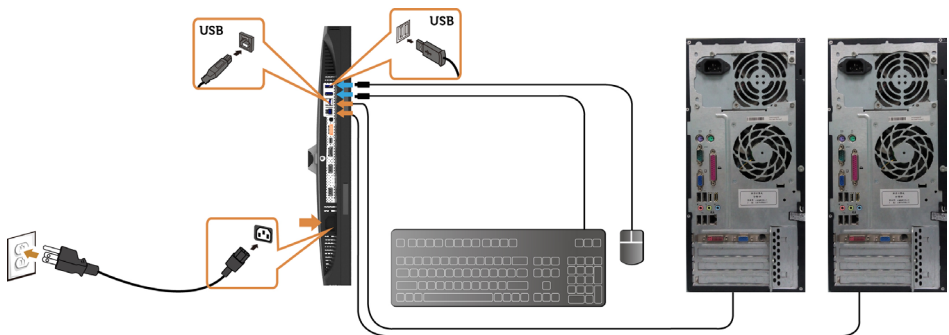
 **NOTE:** When connecting two computers to the monitor, the monitor's USB downstream ports for the keyboard and mouse can be assigned to different input signals from the two computers by changing the **USB Selection** setting from the OSD menu. (See [USB Selection](#) for details)

2 Connect the USB 3.0 peripherals to the downstream USB 3.0 ports on the monitor.

3 Plug the power cables for your computer and monitor into nearby outlet.



a. Connect one computer







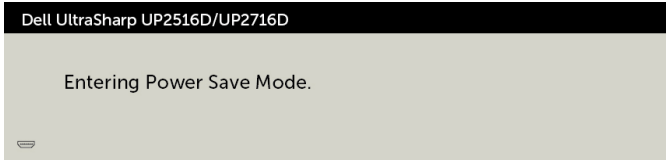
b. Connect two computers

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 [Troubleshooting](#).

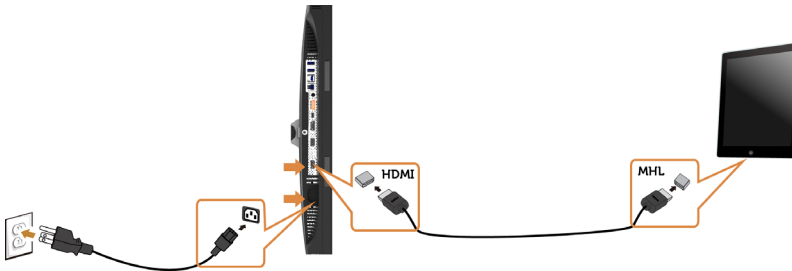
## Using the Mobile-High Definition Link (MHL)

-  **NOTE:** This monitor is MHL ready.
-  **NOTE:** To use the MHL function, use only MHL certified cable and source devices that support MHL output.
-  **NOTE:** Some MHL source devices may take more than a few seconds or longer to output an image, depending on MHL source devices.
-  **NOTE:** When the connected MHL source device enters standby mode, the monitor displays a black screen or the message below, depending on MHL source device's output.



To enable MHL connection, please perform the below steps:

- 1 Plug the power cable on your monitor into a AC outlet.
- 2 Connect the (micro) USB port on your MHL source device to HDMI (MHL) port on the monitor with a MHL certified cable (see [Bottom View](#) for details).
- 3 Turn on the monitor and the MHL source device.



- 4 Select input source on monitor to HDMI (MHL) by using OSD menu (see [Using the On-Screen Display \(OSD\) Menu](#) for details).
- 5 If the monitor does not display an image, see [Mobile High-Definition Link \(MHL\) Specific Problems](#).

# Organizing Your Cables



After attaching all necessary cables to your monitor and computer, (see [Connecting Your Monitor](#) for cable attachment) organize all cables as shown above.

## Removing the Monitor Stand



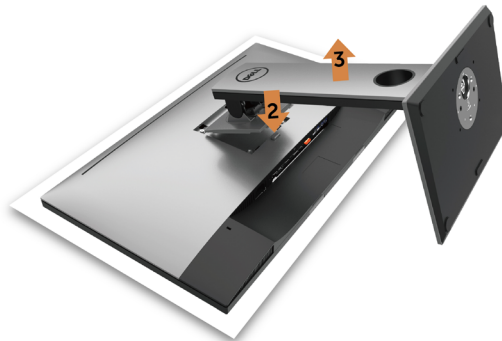
**CAUTION:** To prevent scratches on the LCD screen while removing the stand, make sure that the monitor is placed on a soft, clean surface.



**NOTE:** The procedure below is applicable for the default stand. If you purchased any other stand, see the documentation shipped with the stand to set it up.


To remove the stand:

- 1 Place the monitor on a soft cloth or cushion.
- 2 Press and hold the stand-release button.
- 3 Lift the stand up and away from the monitor.




## Wall Mounting (Optional)



 **NOTE:** Use M4 x 10 mm screws to connect the monitor to the wall-mounting kit.

Refer to the instructions that come 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 Phillips crosshead screwdriver to remove the four screws securing the plastic 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 comes with the wall mounting kit.

 **NOTE:** For use only with UL or CSA or GS-listed wall mount bracket with minimum weight/load bearing capacity of 4.10 kg (**UP2516D**)/4.56 Kg (**UP2716D**).

# Operating the Monitor

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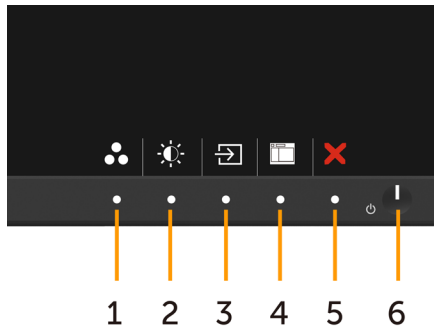
## Turning on the Monitor

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.

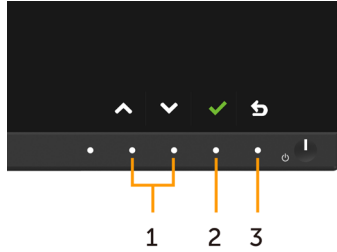






The following table describes the front panel buttons:

| Front-Panel Button   | Description   |
|--|---|
| 1<br><br>Shortcut key:<br>Preset Modes        | Use this button to choose from a list of preset color modes.  |
| 2<br><br>Shortcut key:<br>Brightness/Contrast | Use this button to directly access the "Brightness/Contrast" menu.  |
| 3<br><br>Shortcut key:<br>Input Source        | Use this button to choose from a list of Input Source.  |
| 4<br><br>Menu                                 | Use this menu button to launch the on-screen display (OSD) and select the OSD menu.<br>See <a href="#">Accessing the Menu System</a> .  |
| 5<br><br>Exit                                 | Use this button to go back to the main menu or exit the OSD main menu.  |
| 6<br><br>Power (with power light indicator)   | Use the <b>Power</b> button to turn the monitor On and Off.<br>The white LED indicates the monitor is On and fully functional.<br>A glowing white LED indicates DPMS Power Save Mode. |

# Front-Panel Button


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




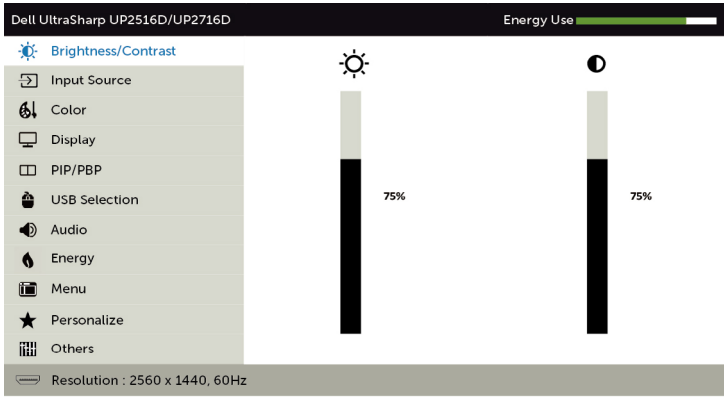
| Front Panel Button   | Description   |
|--|---|
| 1  <br>Up Down | Use the <b>Up</b> (increase) and <b>Down</b> (decrease) keys to adjust items in the OSD menu. |
| 2 <br>OK  | Use the <b>OK</b> button to confirm your selection.   |
| 3 <br>Back  | Use the <b>Back</b> button to go back to the previous 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.



- 2 Press the  and  buttons to move between options. As you move from one icon to another, the option name is highlighted.
- 3 Press the  or  button once to activate the highlighted option.
- 4 Press the  and  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.



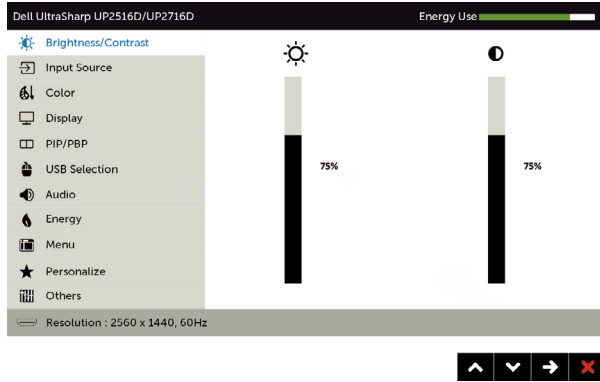
Icon Menu and Submenus

Description



Brightness/Contrast

Use this menu to activate **Brightness/Contrast** adjustment.



Brightness

**Brightness** adjusts the luminance of the backlight (minimum 0; maximum 100).

Press the button to increase brightness.

Press the button to decrease brightness.

**NOTE:** Manual adjustment of **Brightness** is disabled when **Dynamic Contrast** is switched on.

Contrast

Adjust the **Brightness** first, and then adjust **Contrast** only if further adjustment is necessary.

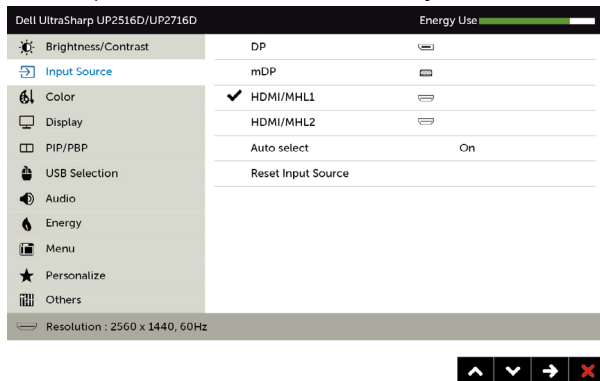
Press the button to increase contrast and press the button to decrease contrast (between 0 and 100).






Contrast adjusts the difference between darkness and lightness on the monitor.



Input Source

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

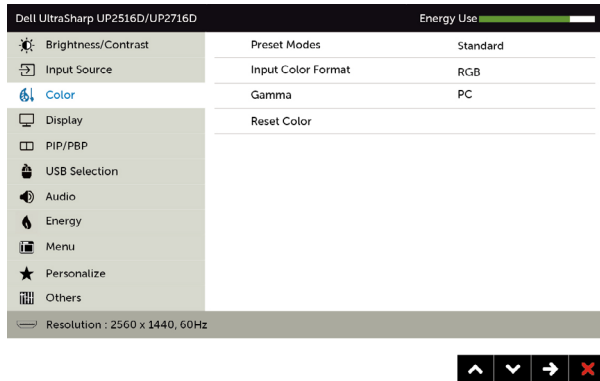


| Icon | Menu and Submenus         | Description  |
|------|---------------------------|--|
|      | <b>DP</b>                 | Select <b>DP</b> input when you are using the DP (DisplayPort) connector.<br>Use  to select the DP input source.                  |
|      | <b>mDP</b>                | Select <b>mDP</b> input when you are using the mDP ( <b>mini DisplayPort</b> ) connector.<br>Use  to select the mDP input source. |
|      | <b>HDMI/MHL 1</b>         | Select the <b>HDMI/MHL 1</b> input when you are using the HDMI connector.<br>Use  to select the HDMI/MHL 1 input source.          |
|      | <b>HDMI/MHL 2</b>         | Select the <b>HDMI/MHL 2</b> input when you are using the HDMI connector.<br>Use  to select the HDMI/MHL 2 input source.          |
|      | <b>Auto Select</b>        | Use  to select <b>Auto Select</b> , the monitor scans for available input sources.  |
|      | <b>Reset Input Source</b> | Resets your monitor's Input Source settings to the factory defaults.   |



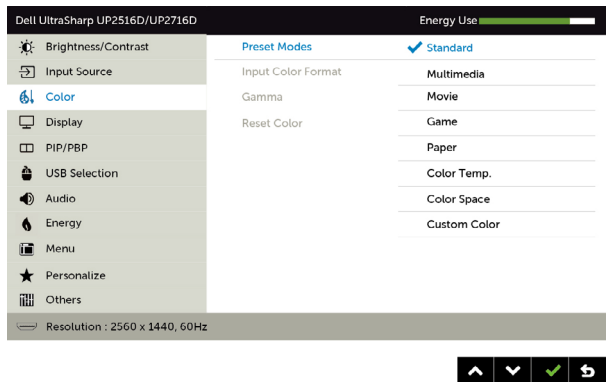
## Color

Use the **Color** menu to adjust the color setting mode.



| Icon | Menu and Submenus | Description |
|------|-------------------|-------------|
|------|-------------------|-------------|

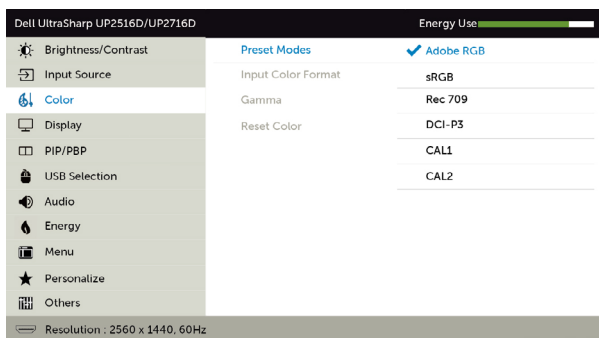
**Preset Mode** When you select **Preset Modes**, you can choose **Standard, Multimedia, Movie, Game, Paper, Color Temp., Color Space, or Custom Color** from the list.



- **Standard:** Default color settings. This is the default preset mode.
- **Multimedia:** Ideal for multimedia applications.
- **Movie:** Ideal for movies.
- **Game:** Ideal for most gaming applications.
- **Paper:** Loads brightness and sharpness settings ideal for viewing text. Blend the text background to simulate paper media without affecting color images. Applies to RGB input format only.
- **Color Temp.:** The screen appears warmer with a red/yellow tint with slider set at 5,000K or cooler with blue tint with slider set at 10,000K.

| Icon | Menu and Submenus | Description |
|------|-------------------|-------------|
|------|-------------------|-------------|

- **Color Space:** Allows users to select the color space: **Adobe RGB, sRGB, Rec 709, DCI-P3, CAL1, CAL2.**







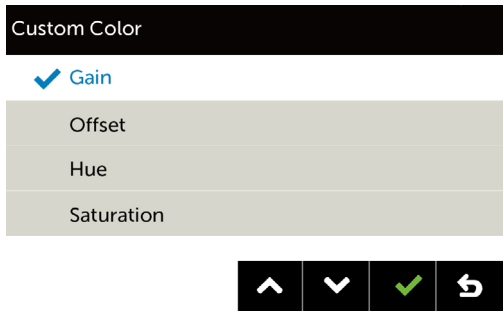
- **Adobe RGB:** This mode is compatible with Adobe RGB (100% coverage).
- **sRGB:** Emulates 100% sRGB.
- **Rec 709:** This mode matches 100% Rec 709 standard.
- **DCI-P3:** This mode reproduces 98% of DCI-P3 digital cinema color standard.
- **CAL1/CAL2:** User calibrated preset mode using Dell Ultrasharp Color Calibration Software or other Dell approved software. Dell Ultrasharp Color Calibration Software works with the X-rite colorimeter i1Display Pro. The i1Display Pro can be purchased from the Dell Electronics, Software and Accessories website.

**NOTE:** Accuracy of **sRGB, Adobe RGB, Rec 709, DCI-P3, CAL1** and **CAL2** are optimized for RGB input color format.

**NOTE:** **Factory Reset** will remove all calibrated data in **CAL1** and **CAL2**.

| Icon | Menu and Submenus | Description |
|------|-------------------|-------------|
|------|-------------------|-------------|

- Custom Color:** Allows you to manually adjust the color settings. Press the  and  buttons to adjust the Red, Green, and Blue values and create your own preset color mode. Use the  and  buttons to select the **Gain, Offset, Hue, Saturation.**

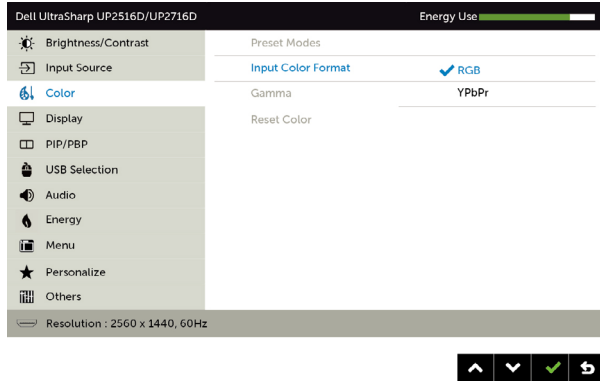


- **Gain:** Select it to adjust input RGB signal gain level (default value are 100).
- **Offset:** Select it to adjust RGB black-level offset value (default value are 50) to control your monitor base color.
- **Hue:** Select it to adjust RGBCMY hue value individually (default value are 50).
- **Saturation:** Select it to adjust RGBCMY saturation value individually (default value are 50).

| Icon | Menu and Submenus | Description |
|------|-------------------|-------------|
|------|-------------------|-------------|

**Input Color Format**

Allows you to set the video input mode to:  
**RGB:** Select this option if your monitor is connected to a computer (or DVD player) using the HDMI, mDP-DP cable or MHL devices using the MHL cable.  
**YPbPr:** Select this option if your DVD player supports only YPbPr output.



**Gamma**

Allows you to set the Gamma to **PC** or **MAC**.

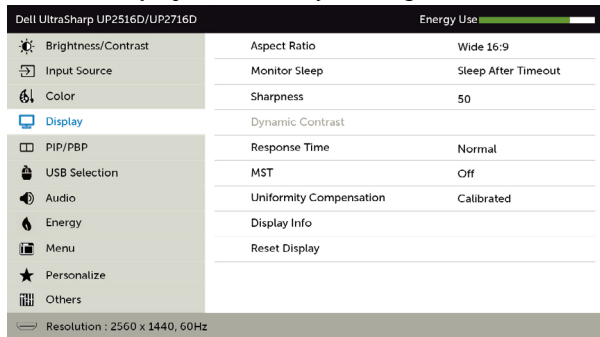
**Reset Color**

Resets your monitor's color settings to the factory defaults.



**Display**

Use the **Display** menu to adjust image.



**Aspect Ratio**


Adjust the image ratio to **Wide 16:9**, **Auto Resize**, **4:3**, or **1:1**.

**Monitor Sleep**

**Sleep After Timeout:** Monitor goes into sleep after timeout.  
**Never:** Monitor never goes into sleep.

**Sharpness**

Makes the image look sharper or softer.  
 Use or to adjust the sharpness from '0' to '100'.

| Icon | Menu and Submenus              | Description   |
|------|--------------------------------|---|
|      | <b>Dynamic Contrast</b>        | Allows you to increase the level of contrast to provide sharper and more detailed image quality.<br>Push the  button to select the <b>Dynamic Contrast</b> “On” or “Off”.<br><b>NOTE: Dynamic Contrast</b> provides higher contrast if you select <b>Game</b> or <b>Movie</b> preset mode. |
|      | <b>Response Time</b>           | Allows you to set the <b>Response Time</b> to <b>Normal</b> or <b>Fast</b> .  |
|      | <b>MST</b>                     | DP Multi Stream Transport, Set to ON enables MST(DP out), Set to OFF disables MST function.   |
|      | <b>Uniformity Compensation</b> | Select screen brightness and color uniformity compensation settings. <b>Calibrated</b> is factory calibrated setting by default.<br><b>Uniformity Compensation</b> adjusts different areas of the screen with respect to the center to achieve uniform brightness and color over the entire screen.   |
|      | <b>Display Info</b>            | Displays the monitor’s current settings.  |
|      | <b>Reset Display</b>           | Restores the display settings to factory defaults.  |

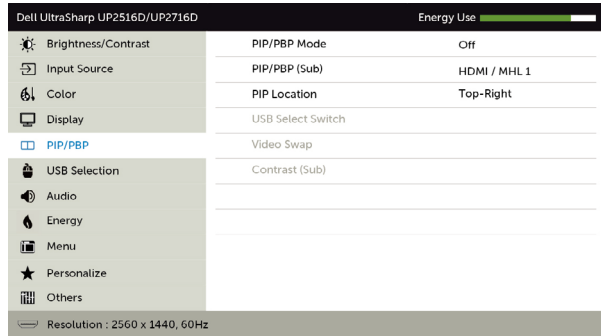
**Icon**   **Menu and Submenus**

**Description**



**PIP/PBP**




This function brings up a window displaying image from another input source. Thus you can watch two images from different sources at the same time.



| Main Window | Sub - Window |     |           |           |
|-------------|--------------|-----|-----------|-----------|
|             | DP           | mDP | HDMI/MHL1 | HDMI/MHL2 |
| DP          | X            | √   | √         | √         |
| mDP         | √            | X   | √         | √         |
| HDMI/MHL1   | √            | √   | X         | √         |
| HDMI/MHL2   | √            | √   | √         | X         |

**NOTE:** When you use the PIP/PBP feature, the DP MST (Daisy Chain) function is disabled.



| Icon  | Menu and Submenus | Description   |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |
|---|-------------------|---|---|--|----|--|---|------------------|--|---|----|---|----------|--|-----|---|----|---|
| <b>PIP/PBP Mode</b>   |                   | Adjusts the PBP (Picture by Picture) model to <b>PIP Small</b> , <b>PIP Large</b> , <b>PBP Aspect Ratio</b> , or <b>PBP Fill</b> . You can disable this feature by selecting <b>Off</b> .   |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |
| <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="2" data-bbox="499 260 542 282">PIP</th> </tr> </thead> <tbody> <tr> <td colspan="2" data-bbox="510 363 530 402">I</td> </tr> <tr> <td colspan="2" data-bbox="602 421 622 443">II</td> </tr> </tbody> </table> | PIP               |   | I |  | II |  | <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="2" data-bbox="757 260 978 282">PBP Aspect Ratio</th> </tr> </thead> <tbody> <tr> <td data-bbox="773 363 790 386">I</td> <td data-bbox="930 363 947 386">II</td> </tr> </tbody> </table> | PBP Aspect Ratio |  | I | II | <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="2" data-bbox="469 488 575 510">PBP Full</th> <th data-bbox="844 488 885 510">off</th> </tr> </thead> <tbody> <tr> <td data-bbox="430 576 449 614">I</td> <td data-bbox="583 576 613 614">II</td> <td data-bbox="852 576 871 614">I</td> </tr> </tbody> </table> | PBP Full |  | off | I | II | I |
| PIP   |                   |   |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |
| I   |                   |   |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |
| II  |                   |   |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |
| PBP Aspect Ratio  |                   |   |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |
| I   | II                |   |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |
| PBP Full  |                   | off   |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |
| I   | II                | I   |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |
| <b>PIP/PBP (Sub)</b>  |                   | Select between the different video signals that may be connected to your monitor for the PIP/PBP sub-window.  |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |
| <b>PIP Location</b>   |                   | Select PIP sub-window position. Use  or  to browse and  to select <b>Top-Left</b> , <b>Top-Right</b> , <b>Bottom-Right</b> , or <b>Bottom-left</b> . |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |
| <b>USB Select Switch</b>  |                   | Select to switch between the USB upstream sources in PBP mode.  |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |
| <b>Video Swap</b>   |                   | Swap Main & Sub video.  |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |
| <b>Contrast (Sub)</b>   |                   | Change Contrast settings of Sub video.  |   |  |    |  |   |                  |  |   |    |   |          |  |     |   |    |   |

| Icon | Menu and Submenus | Description |
|------|-------------------|-------------|
|------|-------------------|-------------|

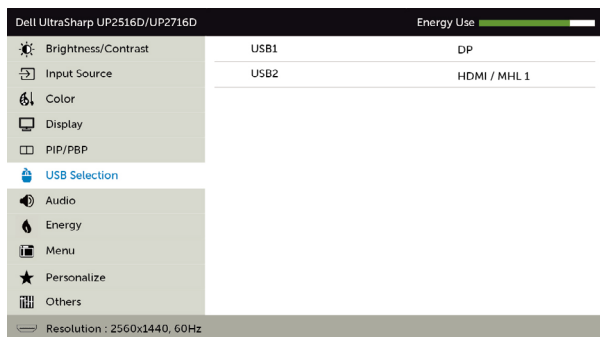


### USB Selection

Select the USB upstream signals from the list: DP, mDP, HDMI, and MHL, thus the monitor's USB downstream port (eg. keyboard and mouse) can be used by the current input signals when connecting a computer to either one of the upstream ports.

The display and USB upstream ports connection can be changed by selecting the input source function.

When you use only one upstream port, the connected upstream port is active.



**NOTE:** To prevent data damage or loss, before changing USB upstream ports, make sure that NO USB storage devices are in use by the computer connected to the monitor's USB upstream port.

### USB 1

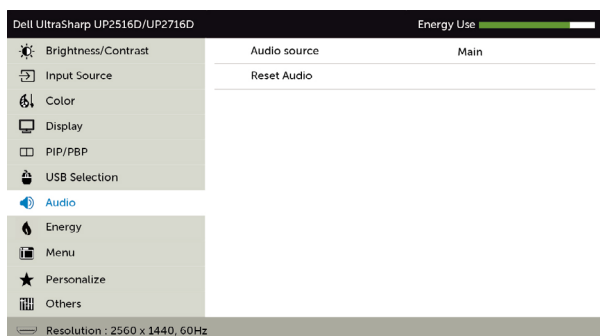
Use the to Indicate the input signal for USB 1.

### USB 2

Use the to Indicate the input signal for USB 2.



### Audio

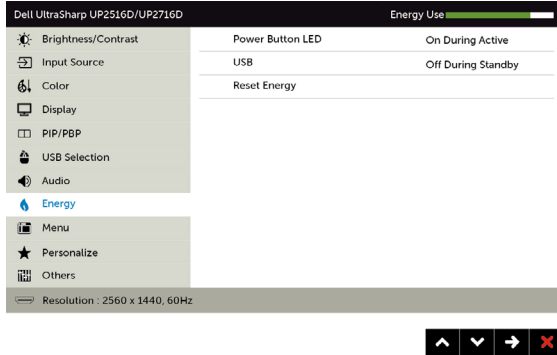


| Icon | Menu and Submenus   | Description  |
|------|---------------------|--|
|      | <b>Audio source</b> | Allows you to set the audio source from the main window or the sub-window. |

**Reset Audio** Select this option to restore default audio settings.



**Energy**


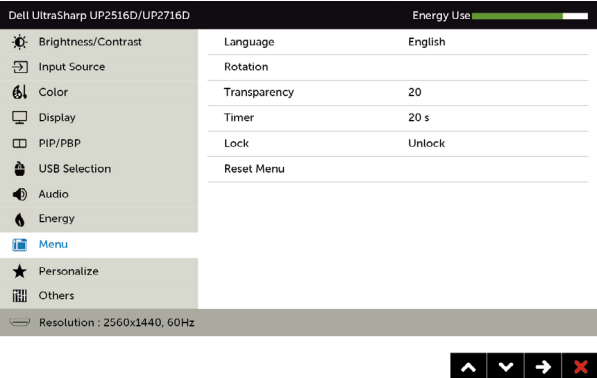






**Power Button LED** Allows you to set the state of the power light to save energy.

**USB** Allows you to enable or disable USB function during monitor standby mode.

**NOTE:** USB ON/OFF under standby mode is only available when the USB upstream cable is unplugged. This option will be greyed out when the USB upstream cable plugs in.

**Reset Energy** Select this option to restore default **Energy** settings.

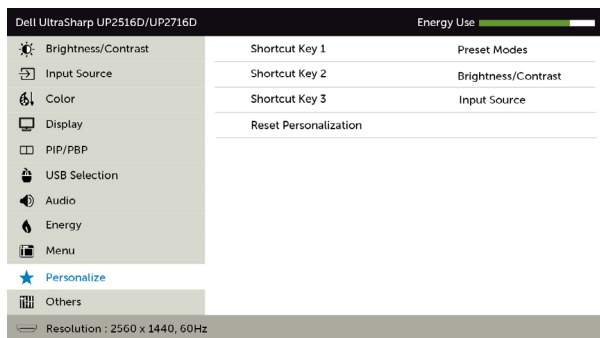
| Icon   | Menu and Submenus   | Description  |
|--|---------------------|--|
|  | Menu                | <p>Select this option to adjust the settings of the OSD, such as, the languages of the OSD, the amount of time the menu remains on screen, and so on.</p>   |
|  | <b>Language</b>     | <p>Set the OSD display to one of eight languages. (English, Spanish, French, German, Brazilian Portuguese, Russian, Simplified Chinese, or Japanese).</p>  |
|  | <b>Rotation</b>     | <p>Rotates the OSD by 90 degrees counter-clockwise. You can adjust the menu according to your display rotation.</p>  |
|  | <b>Transparency</b> | <p>Select this option to change the menu transparency by using  and  (min. 0 / max. 100).</p>  |
|  | <b>Timer</b>        | <p><b>OSD Hold Time:</b> Sets the length of time the OSD remains active after you press a button. Use the  and  buttons to adjust the slider in 1-second increments, from 5 to 60 seconds.</p>     |
|  | <b>Lock</b>         | <p>Controls user access to adjustments. When <b>Lock</b> is selected, no user adjustments are allowed. All buttons are locked.</p> <p><b>NOTE:</b></p> <p><b>Lock</b> function – Either soft lock (through OSD menu) or hard lock (Press and hold the exit button 6 sec)</p> <p><b>Unlock</b> function – Only hard unlock (Press and hold the exit button 6 sec)</p> |
|  | <b>Reset Menu</b>   | <p>Restore the menu settings to factory defaults.</p>  |

| Icon | Menu and Submenus | Description |
|------|-------------------|-------------|
|------|-------------------|-------------|



**Personalize**

Select from **Preset Modes, Brightness/Contrast, Input Source, Aspect Ratio, Rotation, PIP/PBP Modes, USB Select Switch, or Video Swap** and set as shortcut key.

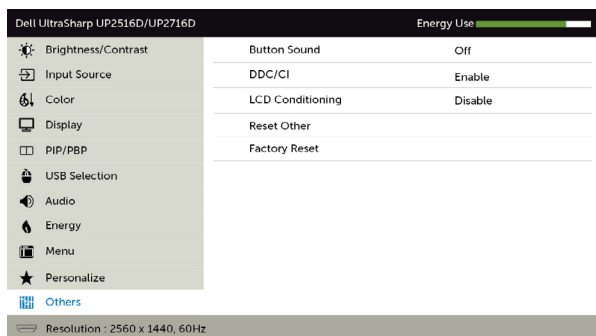


**Reset Personalization**

Restores shortcut keys to factory defaults.



**Other**



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

**Button Sound**

The monitor beeps every time a new option is selected in the menu. This feature enables or disables the sound.

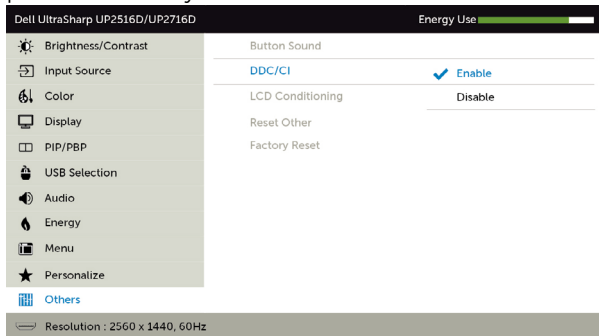
| Icon | Menu and Submenus | Description |
|------|-------------------|-------------|
|------|-------------------|-------------|

**DDC/CI**

**DDC/CI** (Display Data Channel/Command Interface) allows you to adjust the monitor settings using software on your computer.

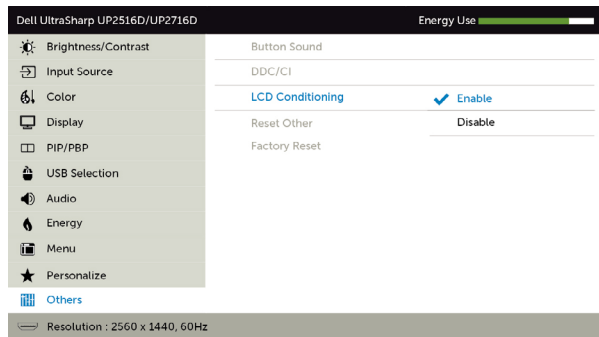
Select **Disable** to turn off this feature.

Enable this feature for best user experience and optimum performance of your monitor.



**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**

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

**Factory Reset**

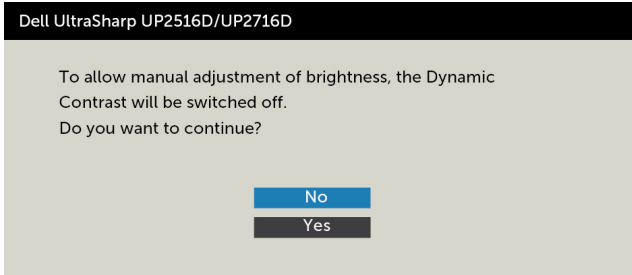
Restores all OSD settings to the factory defaults.



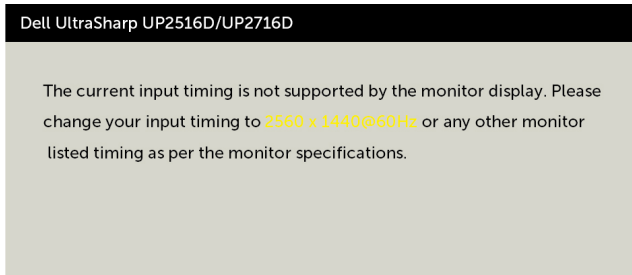
**NOTE:** This monitor has a built-in feature to automatically calibrate the brightness to compensate for LED aging.

# OSD Warning Messages

When the **Dynamic Contrast** feature is enabled (in these preset modes: **Game** or **Movie**), manual brightness adjustment is disabled.

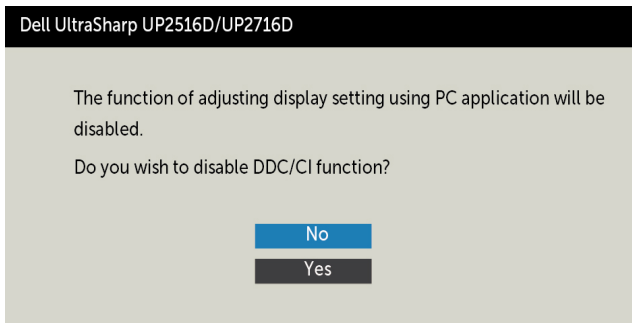


When the monitor does not support a particular resolution mode, you can see the following message:

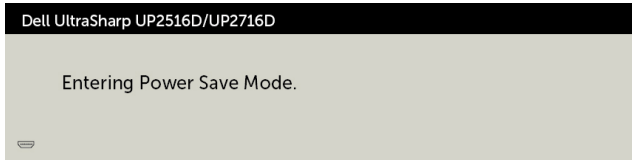


This means that the monitor cannot synchronize with the signal that it is receiving from the computer. See [Monitor Specifications](#) for the Horizontal and Vertical frequency ranges addressable by this monitor. Recommended mode is 2560 x 1440.

You can see the following message before the DDC/CI function is disabled:

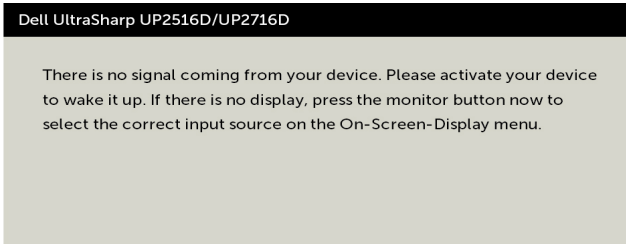


When the monitor enters the **Power Save** mode, the following message appears:

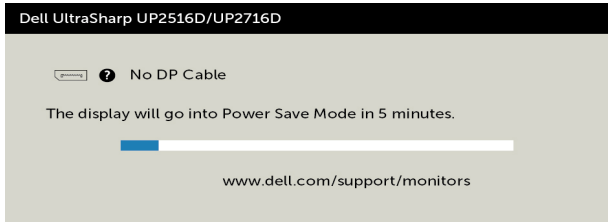


Activate the computer and wake up the monitor to gain access to the [OSD](#).

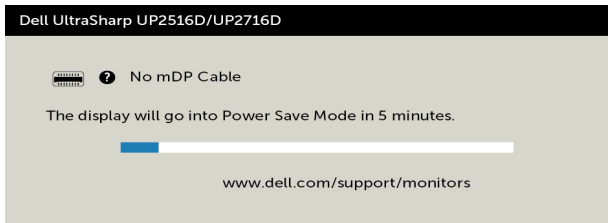
If you press any button other than the power button, the following messages will appear depending on the selected input:



If either DP, mDP, HDMI/MHL 1 or HDMI/MHL 2 input is selected and the corresponding cable is not connected, a floating dialog box as shown below appears.

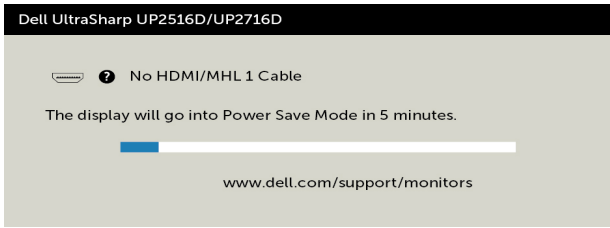


OR

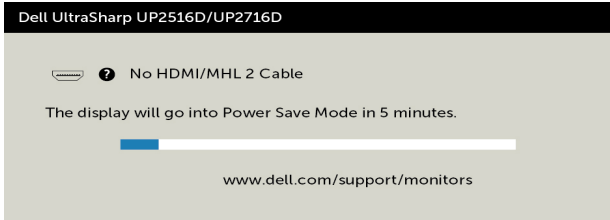




or



or



See [Troubleshooting](#) for more information.

# Troubleshooting

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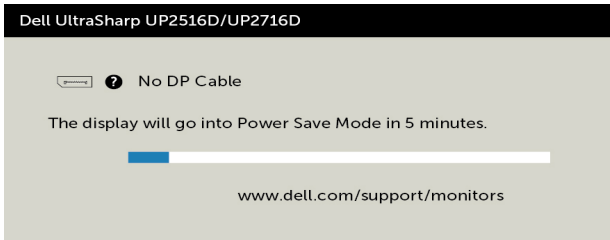
**⚠ WARNING:** Before you begin any of the procedures in this section, follow the [Safety Instructions](#).

## Self-Test

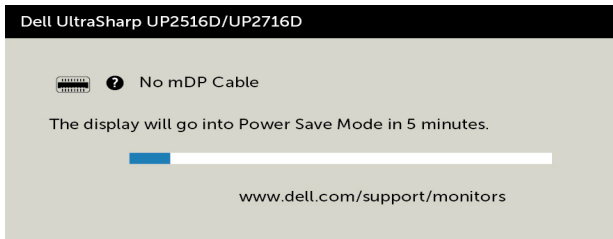
Your monitor provides a self-test feature that allows you to check whether your monitor is functioning properly. If your monitor and computer are properly connected but the monitor screen remains dark, run the monitor self-test by performing the following steps:

- 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 all digital and the analog cables from the back of computer.
- 3 Turn on the monitor.

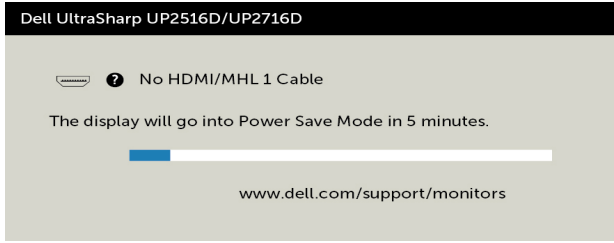
The floating dialog box should appear on-screen (against a black background), if the monitor cannot sense a video signal and is working correctly. While in self-test mode, the power LED remains white. Also, depending upon the selected input, one of the dialogs shown below will continuously scroll through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



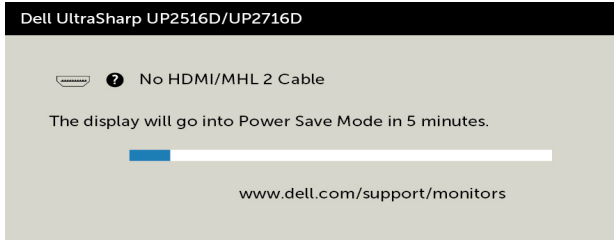
or



or



or




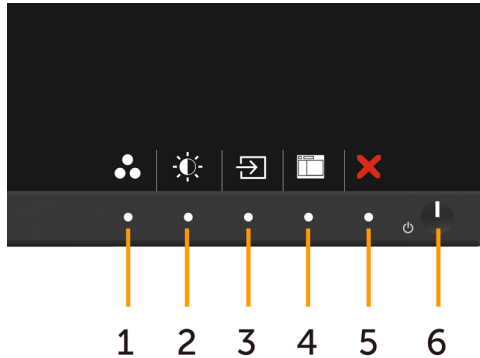
- 4 This box also appears during normal system operation, if the video cable becomes disconnected or damaged.
- 5 Turn off your monitor and reconnect the video cable; then turn on both your computer and the monitor.

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 Make sure 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 **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 **Button 4** on the front panel again. The color of the screen changes to red.
- 6 Inspect the display for any abnormalities.
- 7 Repeat steps 5 and 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 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        | What You Experience              | Possible Solutions   |
|------------------------|----------------------------------|--|
| No Video/Power LED off | No picture                       | <ul style="list-style-type: none"><li>• Ensure that the video cable connecting the monitor and the computer is properly connected and secure.</li><li>• Verify that the power outlet is functioning properly using any other electrical equipment.</li><li>• Ensure that the power button is depressed fully.</li><li>• Ensure that the correct input source is selected in the <a href="#">Input Source</a> menu.</li></ul> |
| No Video/Power LED on  | No picture or no brightness      | <ul style="list-style-type: none"><li>• Increase brightness &amp; contrast controls via OSD.</li><li>• Perform monitor self-test feature check.</li><li>• Check for bent or broken pins in the video cable connector.</li><li>• Run the built-in diagnostics.</li><li>• Ensure that the correct input source is selected in the <a href="#">Input Source</a> menu.</li></ul>   |
| Missing Pixels         | LCD screen has spots             | <ul style="list-style-type: none"><li>• Cycle power on-off.</li><li>• Pixel that is permanently off is a natural defect that can occur in LCD technology.</li><li>• For more information on Dell Monitor Quality and Pixel Policy, see Dell Support site at: <a href="http://www.dell.com/support/monitors">http://www.dell.com/support/monitors</a>.</li></ul>  |
| Stuck-on Pixels        | LCD screen has bright spots      | <ul style="list-style-type: none"><li>• Cycle power On-Off.</li><li>• Pixel that is permanently off is a natural defect that can occur in LCD technology.</li><li>• For more information on Dell Monitor Quality and Pixel Policy, see Dell Support site at: <a href="http://www.dell.com/support/monitors">http://www.dell.com/support/monitors</a>.</li></ul>  |
| Brightness Problems    | Picture too dim or too bright    | <ul style="list-style-type: none"><li>• Reset the monitor to factory settings.</li><li>• Adjust brightness &amp; contrast controls via OSD.</li></ul>  |
| Safety Related Issues  | Visible signs of smoke or sparks | <ul style="list-style-type: none"><li>• Do not perform any troubleshooting steps.</li><li>• Contact Dell immediately.</li></ul>  |
| Intermittent Problems  | Monitor malfunctions on & off    | <ul style="list-style-type: none"><li>• Ensure that the video cable connecting the monitor to the computer is connected properly and is secure.</li><li>• Reset the monitor to factory settings.</li><li>• Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode.</li></ul>  |

| Common Symptoms   | What You Experience  | Possible Solutions   |
|---|--|--|
| Missing Color   | Picture missing color  | <ul style="list-style-type: none"> <li>• Perform monitor self-test.</li> <li>• Ensure that the video cable connecting the monitor to the computer is connected properly and is secure.</li> <li>• Check for bent or broken pins in the video cable connector.</li> </ul>   |
| Wrong Color   | Picture color not good   | <ul style="list-style-type: none"> <li>• Change the settings of the <b>Preset Modes</b> in the <b>Color</b> menu OSD depending on the application.</li> <li>• Adjust R/G/B value under <b>Custom. Color</b> in <b>Color</b> menu OSD.</li> <li>• Change the <b>Input Color Format</b> to PC RGB or YPbPr in the <b>Color</b> menu OSD.</li> <li>• Run the built-in diagnostics.</li> </ul> |
| 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 | <ul style="list-style-type: none"> <li>• Use the Power Management feature to turn off the monitor at all times when not in use (for more information, see <a href="#">Power Management Modes</a>).</li> <li>• Alternatively, use a dynamically changing screensaver.</li> </ul>  |

## 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 | <ul style="list-style-type: none"> <li>• Check the <b>Aspect Ratio</b> setting in the <b>Display</b> menu OSD.</li> <li>• Reset the monitor to factory settings.</li> </ul>   |
| Cannot adjust the monitor with the buttons on the front panel | OSD does not appear on the screen                                  | <ul style="list-style-type: none"> <li>• Turn off the monitor, unplug the monitor power cable, plug it back, and then turn on the monitor.</li> <li>• Check whether the OSD menu is locked. If yes, press and hold the button beside the power button for 6 seconds to unlock (for more information, see <a href="#">Lock</a>).</li> </ul>        |
| No Input Signal when user controls are pressed                | No picture, the LED light is white                                 | <ul style="list-style-type: none"> <li>• 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.</li> <li>• Check whether the signal cable is plugged in properly. Re-plug the signal cable if necessary.</li> <li>• Reset the computer or video player.</li> </ul> |
| The picture does not fill the entire screen                   | The picture cannot fill the height or width of the screen          | <ul style="list-style-type: none"> <li>• Due to different video formats (aspect ratio) of DVDs, the monitor may display in full screen.</li> <li>• Run the built-in diagnostics.</li> </ul>   |

| Specific Symptoms                           | What You Experience | Possible Solutions  |
|---|---------------------|---|
| No image when using DP connection to the PC | Black screen        | <ul style="list-style-type: none"> <li>• Verify which DP standard (DP 1.1a or DP 1.2) is your Graphics Card certified to. Download and install the latest graphics card driver.</li> <li>• Some DP 1.1a graphics card cannot support DP 1.2 monitors. Go to OSD menu, under Input Source selection, press and hold DP select  key for 8 sec to change the monitor setting from DP 1.2 to DP 1.1a.</li> </ul> |

## Mobile High-Definition Link (MHL) Specific Problems

| Specific Symptoms            | What You Experience                              | Possible Solutions  |
|------------------------------|--|---|
| MHL interface is not working | Cannot see MHL device image shown on the monitor | <ul style="list-style-type: none"> <li>• Ensure your MHL cable and MHL device are MHL certified.</li> <li>• Check your MHL device is turned on.</li> <li>• Check your MHL device is not in standby mode.</li> <li>• Check physical MHL cable connection is corresponding to input source selected on OSD Menu: HDMI (MHL).</li> <li>• Wait for 30 seconds after connecting MHL cable as some MHL devices require longer recovery time.</li> </ul> |

# Appendix

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## Safety Instructions

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


 **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 Safety, Environmental, and Regulatory Information (SERI).

## FCC Notices (U.S. only) and Other Regulatory Information

For FCC notices and other regulatory information, see the regulatory compliance website located at [www.dell.com/regulatory\\_compliance](http://www.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 get online Monitor support content:

See [www.dell.com/support/monitors](http://www.dell.com/support/monitors).

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

- 1 Go to [www.dell.com/support](http://www.dell.com/support).
- 2 Verify your country or region in the Choose A Country/Region drop-down menu at the top-left corner of the page.
- 3 Click **Contact Us** next to the country dropdown.
- 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 Display Resolution to 2560 x 1440 (maximum)

For best performance, set the display resolution to 2560 x 1440 pixels by performing the following steps:


### In windows 7, Windows 8, Windows 8.1 and Windows 10

- 1 For Windows 8 and 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 Dropdown list of the Screen Resolution and select 2560 x 1440.
- 4 Click **OK**.

If you do not see the recommended resolution 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 given steps.

### Dell computer


- 1 Go to [www.dell.com/support](http://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 2560 x 1440 again.

 **NOTE:** If you are unable to set the resolution to 2560 x 1440, please contact Dell to inquire about a graphics adapter that supports these resolutions.

### Non-Dell computer

#### In windows 7, Windows 8, Windows 8.1 and Windows 10

- 1 For Windows 8 and Windows 8.1 only, select the desktop tile to switch to classic desktop.
- 2 Right-click on the desktop and click **Change Display Settings**.
- 3 Click **Advanced Settings**.
- 4 Identify your graphics controller supplier from the description at the top of the window (e.g. NVIDIA, ATI, Intel etc.).
- 5 Refer to the graphic card provider website for updated driver (for example, <http://www.ATI.com> or <http://www.NVIDIA.com>).
- 6 After installing the drivers for your graphics adapter, attempt to set the resolution to 2560 x 1440 again.

 **NOTE:** If you are unable to set the recommended resolution, please contact the manufacturer of your computer or consider purchasing a graphics adapter that supports the video resolution.

# Maintenance Guidelines

## Cleaning Your Monitor



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



**CAUTION:** Read and follow the [Safety Instructions](#) before cleaning the monitor.

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

- To clean your anti-static screen, lightly dampen a soft, clean cloth with water. If possible, use a special screen-cleaning tissue or solution suitable for the anti-static coating. Do not use benzene, thinner, ammonia, abrasive cleaners, or compressed air.
- Use a lightly-dampened, soft 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 a darker-colored monitor may get scratched and show white scuff marks more than a lighter-colored monitor.
- 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.