

CAUTION: Before you set up and operate your monitor, read the safety instructions that shipped with your monitor.

ACHTUNG: Bitte lesen Sie sich die Sicherheitshinweise des Monitors aufmerksam durch, bevor Sie ihn einrichten oder bedienen.

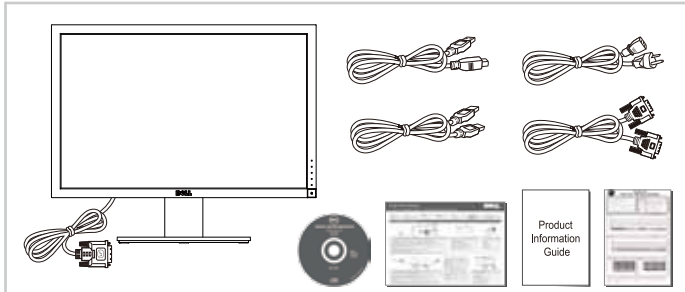
AVERTISSEMENT: Avant d'installer et d'utiliser votre moniteur, lisez attentivement les instructions de sécurité fournies avec votre appareil.

PRECAUCIÓN: Antes de instalar y utilizar su monitor, lea las instrucciones de seguridad que se adjuntan con el mismo.

PRECAUÇÃO: Antes de configurar e operar seu monitor, leia as instruções de segurança que foram enviadas com seu monitor.

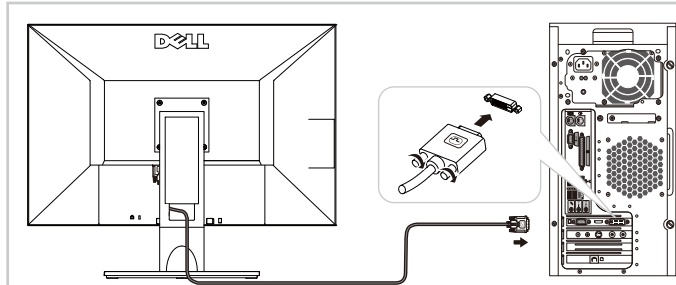
ATTENZIONE: Prima di configurare e utilizzare il monitor, leggere le istruzioni sulla sicurezza fornite con il monitor.

ВНИМАНИЕ! Перед установкой и эксплуатацией монитора ознакомьтесь с правилами техники безопасности, входящими в комплект поставки монитора.



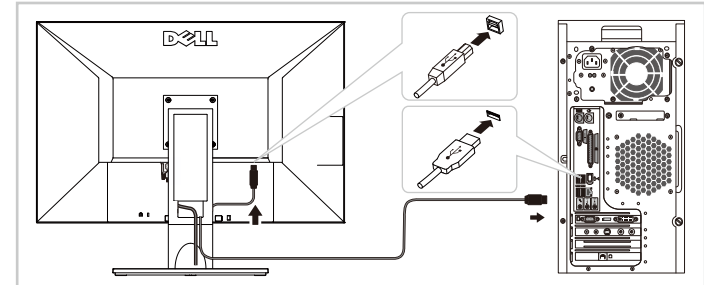
1 | Verify the contents of the box

Überprüfen Sie den Lieferumfang
Vérifiez le contenu de la boîte
Verifique los contenidos de la caja
Verifique o conteúdo da caixa
Verificare il contenuto della scatola
Проверьте содержимое упаковки



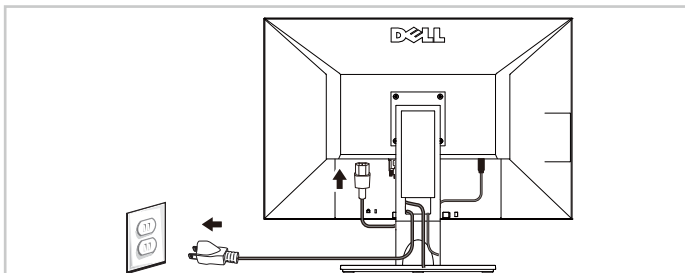
2 | Connect the monitor using ONLY ONE of the following cables: White DVI (for better performance) or Blue VGA

Schließen Sie den Bildschirm nur über EINES dieser Kabel an:
Weiß DVI (Um eine bessere Leistung zu erzielen) or Blau VGA
Branchez le moniteur en utilisant UN SEUL des câbles suivants:
Blanc DVI (pour des performances optimales) or Bleu VGA
Conecte el monitor utilizando SÓLO UNO de los cables siguientes:
Blanco DVI (para obtener el máximo rendimiento) or Azul VGA
Conecte o monitor usando APENAS UM destes cabos:
Branco DVI (para um melhor desempenho) or Azul VGA
Collegare il monitor utilizzando SOLO UNO dei seguenti cavi:
Bianco DVI (per una migliore prestazione) or Blu VGA
Подключите монитор с помощью Только Одного из следующих кабелей:
Белый DVI (для повышения производительности) или Синий VGA



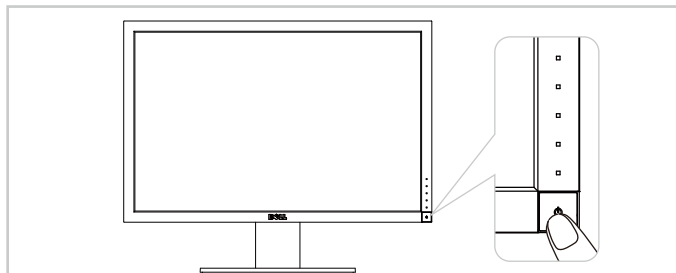
3 | Connect the USB cable to enable the USB hub and card reader

Schließen Sie das USB-Kabel an, um den USB-Hub und den Kartenleser zu aktivieren
Branchez le câble USB pour activer le hub USB et le lecteur de carte
Conecte el cable USB para habilitar el concentrador USB y el lector de tarjetas
Conecte o cabo USB para habilitar o hub USB e o leitor de cartões
Collegare il cavo USB per attivare l'hub USB e il lettore di schede
Подключите USB-кабель, активировать USB-концентратор и устройство считывания карт памяти



4 | Connect the power cable

Schließen Sie das Netzkabel an
Branchez le cordon d'alimentation
Conecte el cable de alimentación
Conecte o cabo de energia
Collegare il cavo di alimentazione
Подключите кабель питания



5 | Press the power button

Drücken Sie den Netzschalter
Appuyez sur le bouton d'alimentation
Pulse el botón de alimentación
Pressionar o botão liga/desliga
Premere il pulsante di alimentazione
Нажмите кнопку питания

NOTE: If nothing appears on the screen, touch the first button near the Power button for the Input Source menu to change the input source.

HINWEIS: Wenn nichts auf dem Bildschirm erscheint, berühren Sie die erste Schaltfläche in der Nähe der Power-Taste für die Input Source-Menü auf die Eingangsquelle ändern.

REMARQUE: Si rien ne s'affiche sur l'écran, appuyez sur le premier bouton à côté du bouton Power pour activer la source d'entrée du menu, changer la source d'entrée.

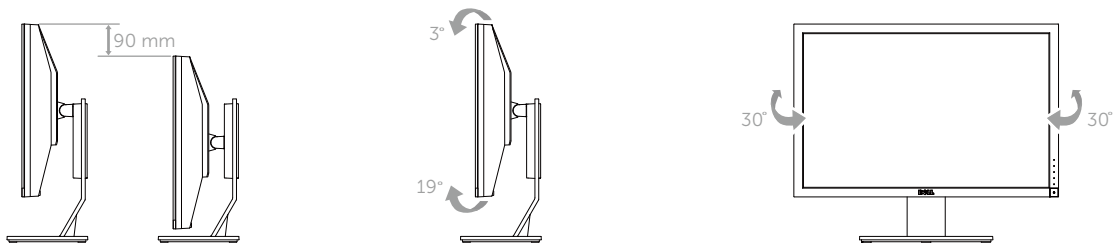
NOTA: Si no aparece nada en la pantalla, pulse el primer botón por encima del botón de encendido para activar la fuente de entrada del menú, cambiar la fuente de entrada.

NOTA: Se não aparecer nada no ecrã, toque no primeiro botão acima do botão de energia para ativar o Input Source Menu, mudar a fonte de entrada.

NOTA: Se non appare nulla sullo schermo, toccare il primo pulsante sopra il pulsante di accensione per attivare la sorgente di ingresso Menu, cambiare la sorgente.

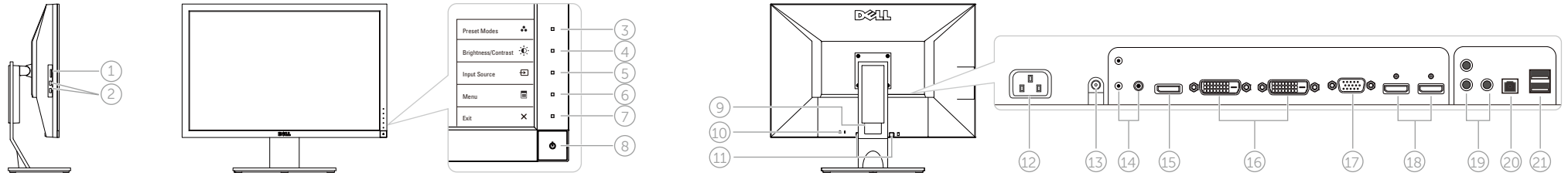
ПРИМЕЧАНИЕ: Если ничего не появляется на экране, нажмите на кнопку рядом с кнопкой включения устройства для ввода источника входного сигнала меню службы для изменения источника сигнала.





6 | Adjust the monitor

Stellen Sie den Monitor ein | Ajustez le moniteur | Ajuste el monitor | Ajuste o monitor | Regolare il monitor | Настроить монитор



| | | | | | | |
|---|--|---|--|--|--|---|
| 1. Card reader | 1. Kartenleser | 1. Lecteur de carte | 1. Lector de tarjetas | 1. Leitor de cartões | 1. Lettore di schede | 1. устройство считывания карт памяти |
| 2. USB downstream ports (2) | 2. USB-Downstream-Ports (2) | 2. Ports USB descendants (2) | 2. Puertos USB descendentes (2) | 2. Portas USB downstream (2) | 2. Porte USB per il downstream (2) | 2. Нисходящие порты USB (2) |
| 3. Shortcut key 1 (Preset Modes) | 3. Direkttaste 1 (Voreingestellte Modi) | 3. Touche raccourci 1 (Modes de pré-réglage) | 3. Atajo de teclado 1 (Modos predefinidos) | 3. Tecla de atalho 1 (Modos predefinidos) | 3. Tasto di scelta rapida 1 (Modalità predefinite) | 3. Функциональная клавиша 1 (Готовые режимы) |
| 4. Shortcut key 2 (Brightness/Contrast) | 4. Direkttaste 2 (Helligkeit/Kontrast) | 4. Touche raccourci 2 (Luminosité/Contraste) | 4. Atajo de teclado 2 (Brillo/Contraste) | 4. Tecla de atalho 2 (Brilho/Contraste) | 4. Tasto di scelta rapida 2 (Luminosità/Contrasto) | 4. Функциональная клавиша 2 (Яркость/контрастность) |
| 5. Shortcut key 3 (Input Source) | 5. Direkttaste 3 (Eingabe-Quelle) | 5. Touche raccourci 3 (Source entrée) | 5. Atajo de teclado 3 (Fuente entrada) | 5. Tecla de atalho 3 (Origem de entrada) | 5. Tasto di scelta rapida 3 (Origine d'input) | 5. Функциональная клавиша 3 (Источник сигнала) |
| 6. Menu | 6. Menü | 7. Quitter | 6. Menú | 6. Menu | 6. Menu | 6. Меню |
| 7. Exit | 7. Verlassen | 8. Bouton d'alimentation (avec témoin lumineux) | 7. Salir | 7. Sair | 7. Esci | 7. Выход |
| 8. Power Button (with light indicator) | 8. Ein/Aus (mit Betriebsanzeige) | 9. Fente de gestion des câbles | 8. Botón de alimentación (con indicador de luz) | 8. Botão alimentação (com luz indicadora de funcionamento) | 8. Tasto d'alimentazione (con indicatore luminoso) | 8. Кнопка Питание (с индикатором питания) |
| 9. Cable management hole | 9. Schlitz zur Kabelverwaltung | 10. Fente de verrouillage de sécurité | 9. Ranura para cable de la gestión | 9. Furo para passagem dos cabos | 9. Foro per la gestione dei cavi | 9. Кабельный слот |
| 10. Security lock slot | 10. Schlitz für Sicherheitsschloss | 11. Supports de montage Soundbar Dell | 10. Ranura de bloqueo de seguridad | 10. Ranhura de trava de segurança | 10. Fessura per blocco di sicurezza | 10. блокировки безопасности Слот |
| 11. Dell Soundbar mounting brackets | 11. Dell Soundbar-Befestigungshalterungen | 12. Connecteur du cordon d'alimentation CA | 11. Abrazaderas de montaje para Dell Soundbar | 11. Suportes de montagem do Dell Soundbar | 11. Dell Soundbar staffe di montaggio | 11. Монтажные кронштейны звуковой панели Dell |
| 12. AC power cord connector for Dell Soundbar | 12. Netzkabelanschluss | 13. Connecteur d'alimentation CC pour Soundbar Dell | 12. Conector cable de alimentación AC | 12. Conector cabo de alimentação CA | 12. Connettore alimentazione CC per Dell Soundbar | 12. Разъем питания |
| 13. DC power connector for Dell Soundbar | 13. Gleichspannungsanschluss für Dell Soundbar | 14. Connecteurs audio | 13. Conector de alimentación DC para o Dell Soundbar | 13. Conector de alimentação em CC para o Dell Soundbar | 13. Connettore alimentazione CC per Dell Soundbar | 13. Разъем питания для Dell Soundbar |
| 14. Audio connectors | 14. Audioanschlüsse | 15. Connecteurs DisplayPort | 14. Connecteurs de audio | 14. Conectores de áudio | 14. Connettori audio | 14. Аудио разъемы |
| 15. DisplayPort connector | 15. DisplayPort-Anschluss | 16. Connecteurs DVI | 15. Conector DisplayPort | 15. Conector DisplayPort | 15. Connettori DisplayPort | 15. Разъем DisplayPort |
| 16. DVI connectors | 16. DVI-Anschluss | 17. Connecteurs VGA | 16. Conector DVI | 16. Conectores DVI | 16. Connettori DVI | 16. Разъемы DVI |
| 17. VGA connector | 17. VGA-Anschluss | 18. Connecteurs HDMI | 17. Conector VGA | 17. Conector VGA | 17. Connettore VGA | 17. Разъемы VGA |
| 18. HDMI connectors | 18. HDMI-Anschluss | 19. Connecteurs vidéo en composantes | 18. Conector HDMI | 18. Conectores HDMI | 18. Connettori HDMI | 18. Разъемы HDMI |
| 19. Component video connectors | 19. Component-Videoanschlüsse | 20. Port USB en amont | 19. Conectores de vídeo componentes | 19. Conectores de vídeo componente | 19. Connettori Component video | 19. Разъемы компонентного видео |
| 20. USB upstream port | 20. USB-Upstream-Port | 21. Ports USB descendants (2) | 20. Puerto USB ascendente | 20. Porta USB upstream | 20. Porta USB upstream | 20. Восходящий порт USB |
| 21. USB downstream ports (2) | 21. USB-Downstream-Ports (2) | | 21. Puertos USB descendentes (2) | 21. Portas USB downstream (2) | 21. Porte USB per il downstream (2) | 21. Нисходящие порты USB (2) |

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July 2010



46.7F901.001

(DELL P/N: T5W4C Rev. A00)

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июль 2010



Manuals

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About Your Monitor




Dell™ U3011 Flat Panel Monitor User's Guide




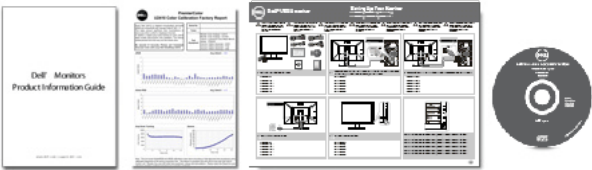
- [Package Contents](#)
- [Product Features](#)
- [Identifying Parts and Controls](#)
- [Monitor Specifications](#)
- [Universal Serial Bus \(USB\) Interface](#)
- [Plug and Play Capability](#)
- [Card Reader Specifications](#)
- [LCD Monitor Quality and Pixel Policy](#)
- [Maintenance Guidelines](#)

Package Contents

Your monitor ships with the components shown below. Ensure 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.

| | |
|---|--|
|  | <ul style="list-style-type: none"> • Monitor with stand |
|  | <ul style="list-style-type: none"> • Power Cable |
|  | <ul style="list-style-type: none"> • VGA Cable |

| | |
|---|---|
|  | <ul style="list-style-type: none"> • Dual-link DVI Cable (attached to the monitor) |
|  | <ul style="list-style-type: none"> • DisplayPort Cable |
|  | <ul style="list-style-type: none"> • USB up stream cable (enables the USB ports and card reader on the monitor) |
|  | <ul style="list-style-type: none"> • <i>Drivers and Documentation media</i> • <i>Quick Setup Guide</i> • <i>Color calibration datasheet</i> • <i>Product and Safety Information Guide</i> |

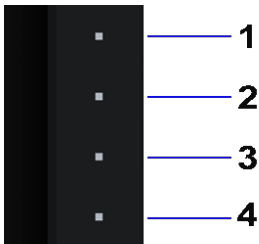
Product Features

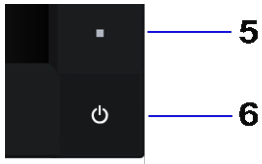
The **U3011** flat panel display has an active matrix, thin-film transistor (TFT), liquid crystal display (LCD). The monitor features include:

- 756.23 mm (30 inches) viewable area display (measured diagonally).
- 2560 x 1600 resolution, plus full-screen support for lower resolutions.
- Wide viewing angle (178°/178°) and superb grayscale tracking minimizes color deviations at biased angles of viewing (sitting, standing, or moving side- to-side) which ensures ultra-smooth color gradation.
- Tilt, swivel and vertical extension adjustment capabilities.
- Removable stand and Video Electronics Standards Association (VESA™) 100 mm mounting holes for flexible mounting solutions.
- Plug and play capability if supported by your system.
- On-Screen Display (OSD) adjustments for ease of set-up and screen optimization.
- Software and documentation media includes an information file (INF), Image color Matching File (ICM), and product documentation.
- Security lock slot.
- Compatible with xvYCC, Adobe RGB and sRGB color standards.
- Factory calibrated to an average delta E of < 5 under sRGB and Adobe RGB input source for brand-new Dell monitor U3011. Dedicated Custom Color Mode (6-axis Color-control) for Saturation, Hue, Gain (RGB) and offset (RGB).
- 12-bit internal processing which tested HDMI1.3 with deep color (12-bit).
- 7-in-1 USB 2.0 Card Reader (xD, SD/Mini SD, MS/HSMD/MSPRO, MMC).
- Supports VGA, DVI-D, DisplayPort, HDMI and Component video signals.
- Supports Picture by Picture (PBP) Select mode.

Identifying Parts and Controls

Front View





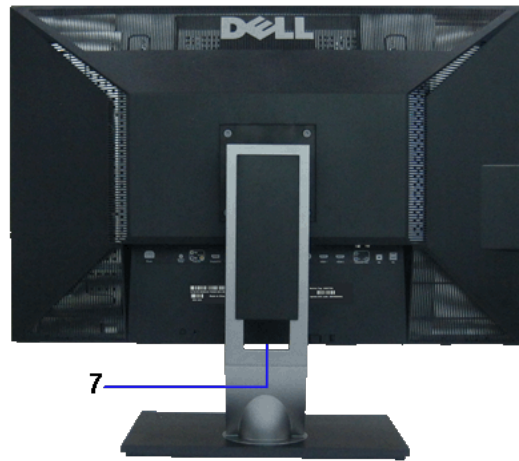
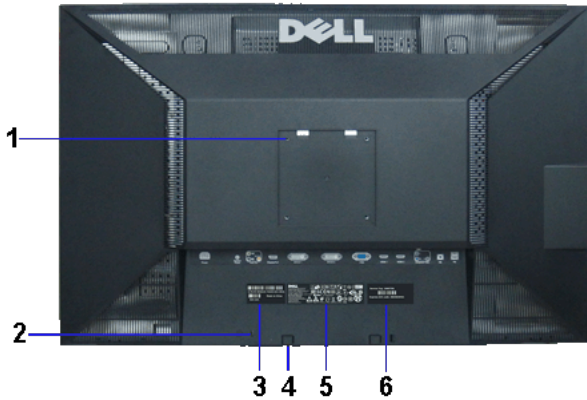
Front View

Front panel controls

| Label | Description |
|-------|--|
| 1 | Shortcut Key 1 - Preset Modes (Default) |
| 2 | Shortcut Key 2 - Brightness/Contrast (Default) |
| 3 | Shortcut Key 3 - Input Source (Default) |
| 4 | Menu |
| 5 | Exit |
| 6 | Power (with power light indicator) |

NOTE: 1~5 are capacitive touch sensor keys, which are activated by placing your finger on the blue LED.

Back View

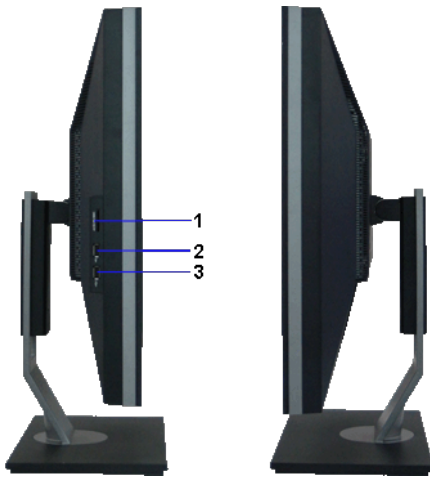


Back view

Back view with monitor stand

| Label | Description | Use |
|-------|--|--|
| 1 | VESA mounting holes (100 mm x 100 mm - behind attached VESA Plate) | Wall mount monitor using VESA-compatible wall mount kit (100 mm x 100 mm). |
| 2 | Security lock slot | To help secure your monitor. |
| 3 | Barcode serial number label | To contact Dell for technical support. |
| 4 | Dell Soundbar mounting brackets (2) | To attach the optional Dell Soundbar. |
| 5 | Regulatory label | Lists the regulatory approvals. |
| 6 | Service tag label | Refer to this label if you need to contact Dell for technical support. |
| 7 | Cable management hole | Helps organize cables by placing them through the hole. |

Side View



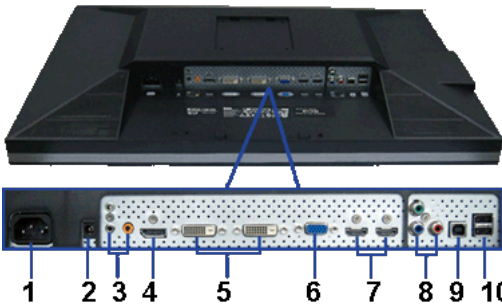
Left view

Right view

| Label | Description |
|-------|--|
| 1 | Card reader: for details, see Card Reader Specifications . |
| 2 | USB downstream port. |
| 3 | USB downstream port (support up-to 1.5 A charging current). |

NOTE: To use the USB connectors on your monitor, connect the USB cable to your computer and the USB upstream connector to your monitor.

Bottom View



Bottom view

Bottom view with monitor stand

□

| Label | Description | Use |
|-------|--------------------------------------|--|
| 1 | AC power cord connector | Connect the power cable. |
| 2 | DC power connector for Dell Soundbar | Connect the power cord for the soundbar (optional). |
| 3 | Audio connectors | Connect the HDMI 2.0 channel or DisplayPort 2.0 channel or 5.1 channel audio output devices. Connect the front left/right channel output to the green connector. Use this connector for 2.0/2.1 channel audio connection. Connect the rear left/right channel output to the black connector. Use this connector for 5.1 channel audio connection. Connect the center/subwoofer channel output to the orange connector. Use this connector for 5.1 channel audio connection. |
| 4 | DisplayPort connector | Connect your computer DisplayPort cable. |
| 5 | DVI connector | Connect your computer DVI (Dual link) cable. |
| 6 | VGA connector | Connect your computer VGA cable. |
| 7 | HDMI connector | Connect devices such as a DVD player or set-top box. |
| 8 | Component video connectors | Connect devices such as a DVD player, set-top box, or cable TV box. |
| 9 | USB upstream port | Connect the USB cable that came with your monitor to the monitor and the computer. Once this cable is connected, you can use the USB connectors on the side and bottom of the monitor. |
| 10 | USB downstream ports | Connect your USB devices. You can only use this connector after you have connected the USB cable to the computer and USB upstream connector on |

| | | |
|----|----------------------|--|
| 20 | USB downstream ports | Connect the USB cable to the computer and USB upstream connector on the monitor. |
|----|----------------------|--|

Monitor Specifications

Flat Panel Specifications

| | |
|----------------------|--|
| Model | U3011 |
| Screen type | Active matrix - TFT LCD |
| Panel type | IPS |
| Screen dimensions | 756.23 mm (30 inches) |
| Preset display area: | 641.28 mm x 400.80 mm |
| Horizontal | 641.28 mm (25.25 inches) |
| Vertical | 400.80 mm (15.78 inches) |
| Pixel pitch | 0.2505 mm |
| Pixel per Inch | 101 |
| Viewing angle | 178° (vertical) typical, 178° (horizontal) typical |
| Luminance output | 370 cd/m ² (typical) |
| Contrast ratio | 1000 to 1 (typical), 100,000 to 1 (max, Dynamic Contrast on) |
| Faceplate coating | Antiglare with hard-coating 3H |
| Backlight | Direct Light Type_18 CCFL |
| Response Time | GTG AVR 7 ms / GTG_MAX 17 ms |
| Color depth | 1.07 billion colors |
| Color Gamut | 117%* NTSC typical / 100% sRGB, 99% Adobe RGB |

*U3011 color gamut (typical) is based on CIE1976 (117%) and CIE1931 (102%) test standards.

Resolution Specifications

Analog signal input

| | |
|---------------------------|----------------------|
| Horizontal scan range | 30 kHz to 99 kHz |
| Vertical scan range | 56 Hz to 86 Hz |
| Optimal preset resolution | 2048 x 1280 at 60 Hz |
| Highest preset resolution | 2048 x 1280 at 60 Hz |

Digital signal Input (DVI dual link and DisplayPort and HDMI)

| | |
|---------------------------|--|
| Horizontal scan range | 30 kHz to 112.5 kHz |
| Vertical scan range | 56 Hz to 86 Hz |
| Optimal preset resolution | 2560 x 1600 at 60 Hz (DVI/DisplayPort input sources) 1920 x 1200 at 60 Hz (HDMI input source) |
| Highest preset resolution | 2560 x 1600 at 60 Hz (DVI/DisplayPort input sources) 1920 x 1200 at 60 Hz (HDMI input source) |

Supported Video Modes

| | |
|---|--------------------------------------|
| Video display capabilities (HDMI playback) | 480i/480p/576i/576p/720p/1080i/1080p |
| Video display capabilities (Component playback) | 480i/480p/576i/576p/720p/1080i/1080P |

Preset Display Modes

| Display Mode | Horizontal Frequency (kHz) | Vertical Frequency (Hz) | Pixel Clock (MHz) | Sync Polarity (Horizontal/Vertical) |
|-----------------|----------------------------|-------------------------|-------------------|-------------------------------------|
| VESA, 720 x 400 | 31.47 | 70.0 | 28.322 | -/+ |
| VESA, 640 x 480 | 31.47 | 60.0 | 25.175 | -/- |
| VESA, 640 x 480 | 37.5 | 75.0 | 31.5 | -/- |

| | | | | |
|-------------------|-------|------|--------|-----|
| VESA, 800 x 600 | 37.88 | 60.0 | 40 | +/+ |
| VESA, 800 x 600 | 46.88 | 75.0 | 49.5 | +/+ |
| VESA, 1024 x 768 | 48.36 | 60.0 | 65.0 | -/- |
| VESA, 1024 x 768 | 60.02 | 75.0 | 78.75 | +/+ |
| VESA, 1152 x 864 | 67.5 | 75.0 | 108 | +/+ |
| VESA, 1280 x 800 | 49.7 | 60.0 | 83.5 | -/+ |
| VESA, 1280 x 1024 | 64.0 | 60.0 | 108 | +/+ |
| VESA, 1280 x 1024 | 80.0 | 75.0 | 135 | +/+ |
| VESA, 1600 x 1200 | 75.0 | 60.0 | 162 | +/+ |
| VESA, 1920 x 1200 | 74.6 | 60.0 | 193.5 | -/+ |
| VESA, 2048 x 1280 | 78.82 | 60.0 | 174.25 | +/- |
| VESA, 2560 x 1600 | 98.71 | 60.0 | 268.5 | +/- |

Electrical Specifications

| | |
|------------------------------------|---|
| Video input signals | Analog RGB, 0.7 Volts +/-5%, positive polarity at 75 ohm input impedance Digital DVI-D TMDS, 600mV for each differential line, positive polarity at 50 ohm input impedance HDMI TMDS, 600 mV for each differential line, positive polarity at 50 ohm input impedance or 100 Ohm per differential pair DisplayPort 1.1a signal input support Component, Y 0.7 volt, Pb, Pr are all 0.7 volt(p-p), sync(H+V) 0.3 volt, 75 ohm input impedance |
| Synchronization input signals | Separate horizontal and vertical synchronizations, polarity-free TTL level, SOG (Composite SYNC on green) |
| AC input voltage/frequency/current | 100 to 240 VAC / 50 Hz/60 Hz +/- 3 Hz / 2.5 A (Max.) |
| Inrush current | 120 V: 42 A (Max.) at 0 °C 220 V: 80 A (Max.) at 0 °C |

Physical Characteristics

| | |
|--|--|
| Connector type | 15-pin D-subminiature, blue connector; DVI-D, white connector; HDMI/DisplayPort, black connector; Component |
| Signal cable type | DVI: Detachable, DVI-D, Solid pins, shipped attached to the monitor DisplayPort: Detachable, DisplayPort, Solid pins, shipped detached from the monitor Analog: Detachable, D-Sub, 15 pins, shipped detached from the monitor High Definition Multimedia Interface: Detachable, HDMI, 19 pins Component NOTE: The component, and HDMI cables are not included with the monitor. |
| Dimensions (with stand) | |
| Height (Compressed) | 481.3 mm (18.95 inches) |
| Height (Extended) | 571.3 mm (22.50 inches) |
| Width | 694.5 mm (27.34 inches) |
| Depth | 211.3 mm (8.32 inches) |
| Dimensions (without stand) | |
| Height | 453.3 mm (17.85 inches) |
| Width | 694.5 mm (27.34 inches) |
| Depth | 94.4 mm (3.72 inches) |
| Stand dimensions | |
| Height (Compressed) | 323.2 mm (12.72 inches) |
| Height (Extended) | 413.2 mm (16.27 inches) |
| Width | 349.4 mm (13.76 inches) |
| Depth | 211.3 mm (8.32 inches) |
| Weight | |
| Weight with packaging | 15.3 kg (33.76 lb) |
| Weight with stand assembly and cables | 12.6 kg (27.72 lb) |
| Weight without stand assembly (For wall mount or VESA mount considerations - no cables) | 9.3 kg (20.40 lb) |

| | |
|--------------------------|------------------|
| Weight of stand assembly | 2.6 kg (5.69 lb) |
|--------------------------|------------------|

Environmental Characteristics

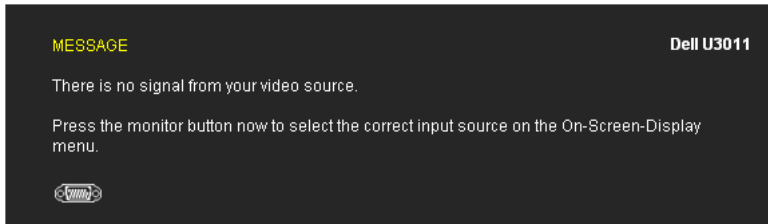
| | |
|----------------------------|---|
| Temperature | |
| Operating | 5° to 35°C (41° to 95°F) |
| Non-operating | Storage: -20° to 60°C (-4° to 140°F) Shipping: -20° to 60°C (-4° to 140°F) |
| Humidity | |
| Operating | 10% to 80% (non-condensing) |
| Non-operating | Storage: 5% to 90% (non-condensing) Shipping: 5% to 90% (non-condensing) |
| Altitude | |
| Operating | 3,657.6 m (12,000 ft) max |
| Non-operating | 12,192 m (40,000 ft) max |
| Thermal dissipation | |
| | 853.6 BTU/hour (maximum) 375.59 BTU/hour (typical) |

Power Management Modes

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

| VESA Modes | Horizontal Sync | Vertical Sync | Video | Power Indicator | Power Consumption |
|--|-----------------|---------------|---------|-----------------|-------------------|
| Normal operation (with Dell Soundbar and USB active) | Active | Active | Active | Blue | 250 W (maximum)** |
| Normal operation | Active | Active | Active | Blue | 110 W (typical) |
| Active-off mode | Inactive | Inactive | Blanked | Amber | Less than 2 W |
| Switch off | - | - | - | Off | Less than 1 W |

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



NOTE: While using the DisplayPort connector at 230V/50Hz, the DisplayPort consumes approximately 0.25 W more than the VGA or DVI-D while in sleep mode.

This monitor is -compliant.

NOTE: ENERGY STAR®

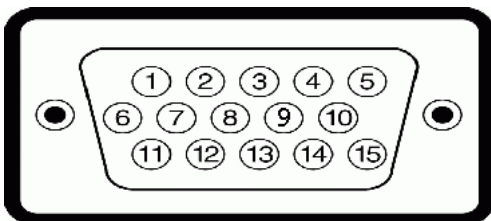


* Zero power consumption in OFF mode can only be achieved by disconnecting the main cable from the monitor.

** Maximum power consumption with max luminance, Dell Soundbar, and USB active.

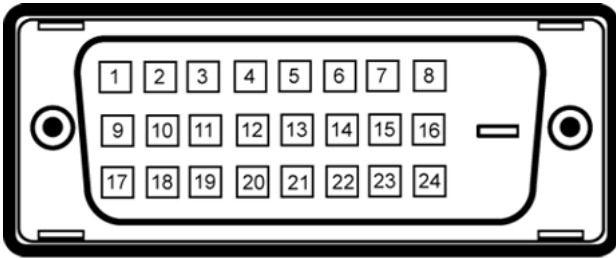
Pin Assignments

VGA Connector



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

DVI Connector

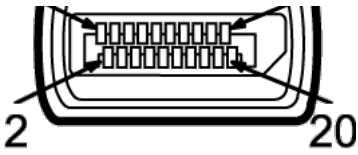


NOTE: Pin 1 is at the top left.

| Pin Number | 24-pin Side of the Connected Signal Cable |
|------------|---|
| 1 | T.M.D.S. Data 2- |
| 2 | T.M.D.S. Data 2+ |
| 3 | T.M.D.S. Data 2/4 Shield |
| 4 | T.M.D.S. Data 4- |
| 5 | NT.M.D.S. Data 4+ |
| 6 | DDC Clock |
| 7 | DDC Data |
| 8 | No Connect |
| 9 | T.M.D.S. Data 1- |
| 10 | T.M.D.S. Data 1+ |
| 11 | T.M.D.S. Data 1/3 Shield |
| 12 | T.M.D.S. Data 3- |
| 13 | T.M.D.S. Data 3+ |
| 14 | +5V Power |
| 15 | Self Test |
| 16 | Hot Plug Detect |
| 17 | T.M.D.S. Data 0- |
| 18 | T.M.D.S. Data 0+ |
| 19 | T.M.D.S. Data 0/5 Shield |
| 20 | T.M.D.S. Data 5- |
| 21 | T.M.D.S. Data 5+ |
| 22 | T.M.D.S. Clock Shield |
| 23 | T.M.D.S. Clock + |
| 24 | T.M.D.S. Clock - |

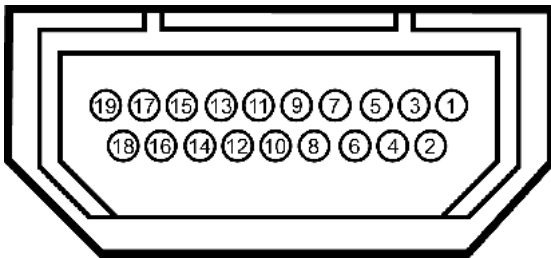
20-pin DisplayPort Connector





| 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 | GND |
| 14 | GND |
| 15 | AUX(p) |
| 16 | GND |
| 17 | AUX(n) |
| 18 | HPD |
| 19 | DP_PWR Return |
| 20 | +3.3V DP_PWR |

19-pin HDMI Connector



| Pin Number | 19-pin Side of the Connected Signal Cable (Cable not included) |
|------------|---|
| 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 | Floating |
| 14 | Floating |
| 15 | DDC CLOCK (SDA) |
| 16 | DDC DATA (SDA) |

| | |
|----|-----------------|
| 17 | GROUND |
| 18 | +5V POWER |
| 19 | HOT PLUG DETECT |

Component Video Connector



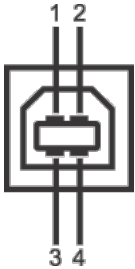
| Pin Number | 3-pin Side of the Connected Signal Cable (Cable not included) |
|------------|--|
| 1 | Y (Luminance signal) |
| 2 | Pb (Color differential signal) |
| 3 | Pr (Color differential signal) |

Universal Serial Bus (USB) Interface

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

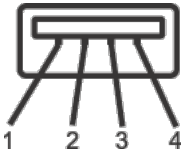
| Transfer speed | Data Rate | Power Consumption |
|----------------|-----------|-------------------------|
| High speed | 480 Mbps | 2.5 W (Max., each port) |
| Full speed | 12 Mbps | 2.5 W (Max., each port) |
| Low speed | 1.5 Mbps | 2.5 W (Max., each port) |

USB Upstream Connector



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

USB Downstream Connector



| Pin Number | 4-Pin Side of the Signal Cable |
|------------|--------------------------------|
| 1 | VCC |
| 2 | DMD |
| 3 | DPD |
| 4 | GND |

USB Ports

- 1 upstream - back
- 4 downstream - 2 on back; 2 on left side

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

NOTE: The monitor's USB interface works only when the monitor is on or in 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.

Plug and Play Capability

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

Card Reader Specifications

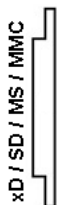
Overview

- The Flash Memory Card Reader is a USB storage device that allows users to read and write information from and into the memory card.
- The Flash Memory Card Reader is automatically recognized by Microsoft® Windows® 2000, Windows® XP, Windows Vista® and Windows® 7.
- Once installed and recognized, the memory card (slot) appears as a separate drive/drive letter.
- All standard file operations (copy, delete, drag-and-drop, etc.) can be performed with this drive.

Features

The Flash Memory Card Reader has the following features:

- Supports Microsoft® Windows® 2000, Windows® XP, Windows Vista® and Windows® 7 operating systems.
- No Microsoft® Windows® 9X support from Dell.
- Mass Storage Class device (No drivers are required under Microsoft® Windows® 2000, Windows® XP, Windows Vista® and Windows® 7).
- USB-IF certification.
- Supports various memory card media.



The following table lists the slot to support what kind of memory card:

| Flash memory cards type |
|--|
| xD memory card |
| Memory Stick Card (MS)/High Speed Memory Stick (HSMS)/Memory Stick Pro Card (MS PRO)/Memory Stick Duo (with Adapter) |
| Secure Digital Card (SD)/Mini Secure Digital (with Adapter)/ TransFlash Card (with Adapter) |
| MultiMedia Card (MMC)/Reduced Size MultiMedia Card (with Adapter) |

| Cards Type | Support Specification | Memory Card Spec Version | Max. capacity |
|-------------|---|--------------------------|---------------|
| xD | xD Picture Card Specification | 1.2 | 2 GB |
| MS | Memory Stick Standard Format Specification | 1.43 | 128 MB |
| MS PRO | Memory Stick Pro Standard Format Specifications | 1.02 | 32 GB |
| MS Duo | Memory Stick Duo Standard Format Specifications | 1.10 | 128 MB/32 GB |
| MS Duo - HG | Memory Stick Duo Standard Format Specifications | 1.01 | 32 GB |
| SD | SD Memory Card Specifications | 2.0 | 32 GB |
| MMC | MultiMedia Card System Specification | 4.2 | 32 GB |

- NOTE:** MSPRO : MSPRO includes MSPRO Duo and MS Micro.
- NOTE:** SD : SD includes HS-SD, MiniSD, and SD Micro. SD v2.0 spec includes SDHC.
- NOTE:** MMC : MMC includes MMCPlus, RS-MMC, MMC Mobile, and MMC micro.
- NOTE:** xD: xD includes TypeM and TypeH.

LCD Monitor Quality and Pixel Policy

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

Maintenance Guidelines

Cleaning Your Monitor

- WARNING:** Read and follow the [safety instructions](#) before cleaning the monitor.
- WARNING:** Before cleaning the monitor, unplug the monitor power cable from the electrical outlet.

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

- To clean your antistatic screen, lightly dampen a soft, clean cloth with water. If possible, use a special screen-cleaning tissue or solution suitable for the antistatic coating. Do not use benzene, thinner, ammonia, abrasive cleaners, or compressed air.
- Use a lightly-dampened, warm cloth to clean the monitor. Avoid using detergent of any kind as some detergents leave a milky film on the monitor.
- If you notice white powder when you unpack your monitor, wipe it off with a cloth.
- Handle your monitor with care as a darker-colored monitor may scratch 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.

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Setting Up the Monitor

Dell™ U3011 Flat Panel Monitor User's Guide

- [Connecting the Monitor](#)
- [Organizing Your Cables](#)
- [Attaching the Soundbar \(optional\)](#)
- [Removing the Stand](#)
- [Attaching the Stand](#)

Connecting the Monitor

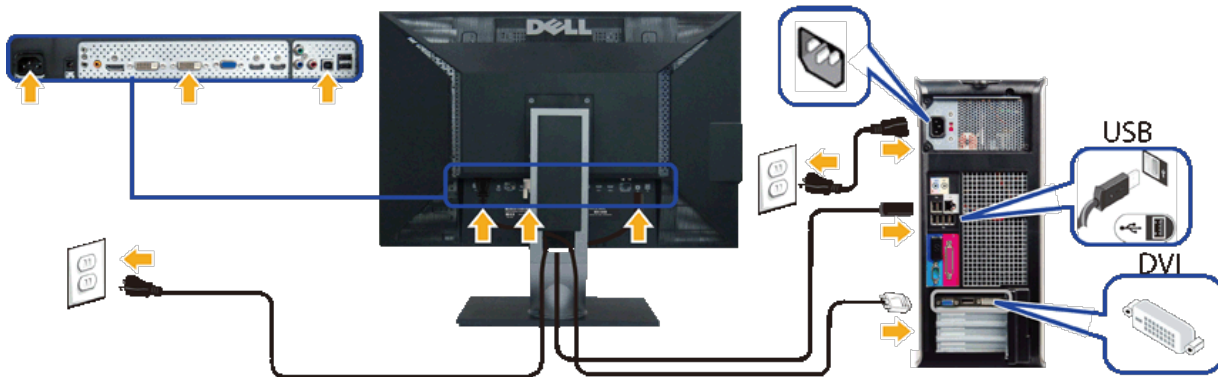
WARNING: Before you begin any of the procedures in this section, follow the [Safety Instructions](#).

NOTE: USB uplink cable connection enables USB ports and card reader on the monitor to work.

To connect your monitor to the computer:

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

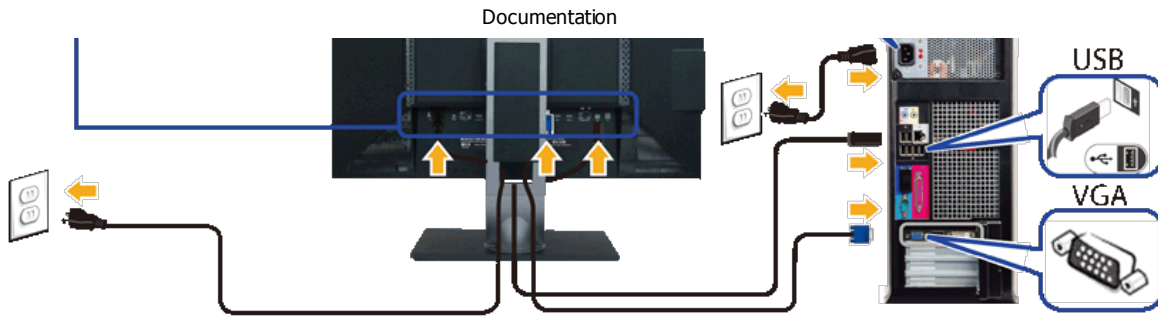
Connecting the white DVI cable and the USB uplink cable



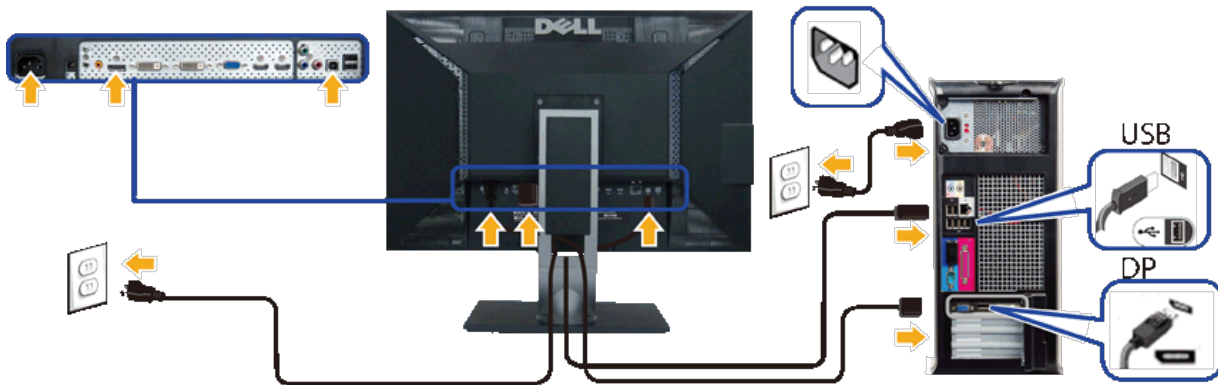
NOTE: Your monitor supports two DVI ports. You can choose the input source (DVI-D 1 or DVI-D 2) through the OSD menu's [Input source select](#) option.

Connecting the blue VGA cable and the USB uplink cable





Connecting the black DisplayPort cable and the USB uplink cable



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

After you have completed connecting the DVI/VGA/DisplayPort cable, follow the procedure below to complete your monitor setup:

1. Plug the power cables for your computer and monitor into a nearby outlet.
2. Turn on the monitor and the computer.
If your monitor displays an image, installation is complete. If it does not display an image, see [Solving Problems](#).
3. Use the cable slot on the monitor stand to organize the cables.

Organizing Your Cables



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

Attaching the Soundbar (Optional)



To attach the Soundbar:

1. Working from the back of the monitor, attach the Soundbar by aligning the two slots with the two tabs along the bottom of the monitor.
2. Slide the Soundbar to the left until it snaps into place.
3. Connect the Soundbar with the DC power connector.
4. Insert the mini stereo plug from the back of the Soundbar into the computer's audio output jack.

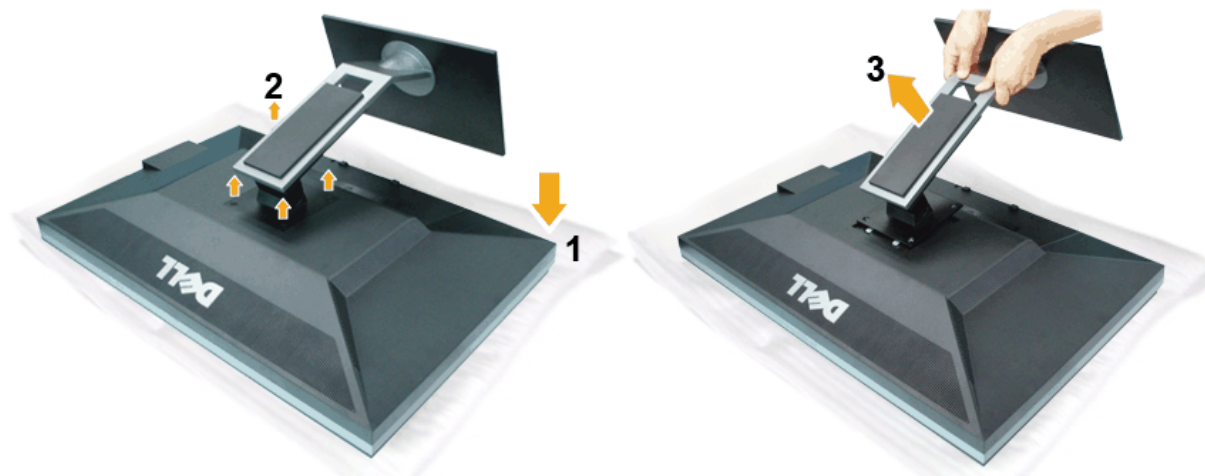
CAUTION: Do not use with any device other than the Dell Soundbar.

NOTE: The Soundbar power connector (+12 V DC output) is for the optional Dell Soundbar only.

Removing the Stand

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

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



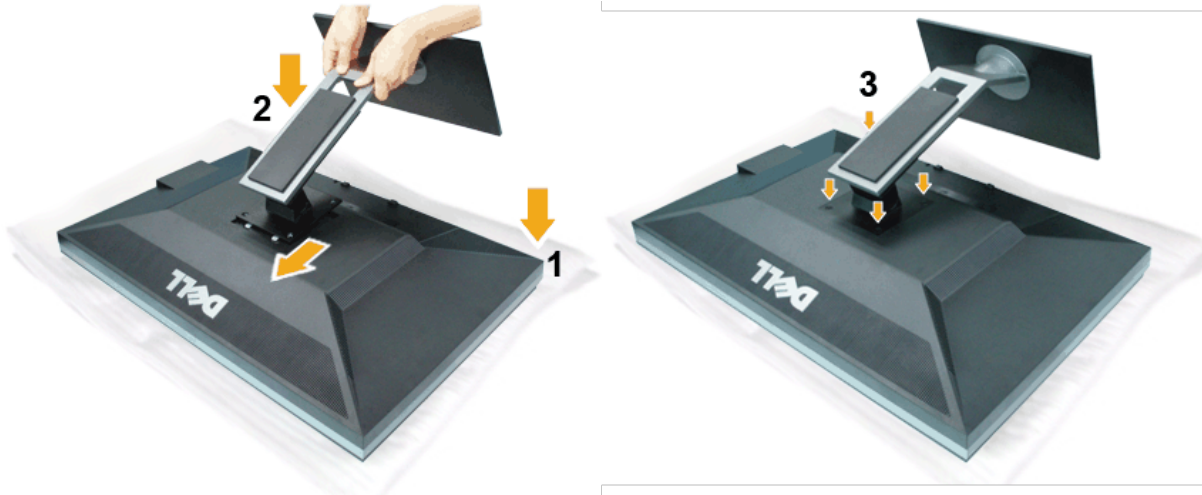
To remove the stand:

1. Place the monitor on a flat surface.
2. Remove the four screws from the stand.
3. Lift the stand up and away from the monitor.

Attaching the Stand

Attaching the Stand

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



To attach the monitor stand:

1. Place the monitor on a flat surface.
2. Fit the two tabs on the upper part of the stand to the groove on the back of the monitor, lower the stand onto the back of the monitor.
3. Tighten the bolts as indicated.

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Operating the Monitor

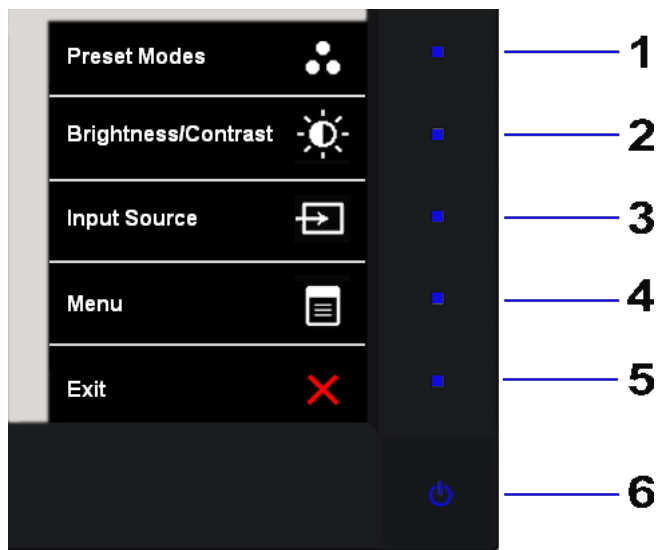
Dell™ U3011 Flat Panel Monitor User's Guide

- [Using the Front Panel Controls](#)
- [Using the On-Screen Display \(OSD\) Menu](#)
- [Setting the Maximum Resolution](#)
- [Using the Dell Soundbar \(Optional\)](#)
- [Using the Tilt, Swivel, and Vertical Extension](#)


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 values of the characteristics as they change.

NOTE: 1~5 are capacitive touch sensor keys, which are activated by placing your finger on the blue LED.




The following table describes the front panel buttons:


| Front panel Button | Description |
|---|--|
| <p>1</p>  <p>Shortcut key 1 - Preset Modes (Default)</p> | Use this button to choose from a list of preset color modes. |

| | | |
|---|--|--|
| 2 |  <p>Shortcut key 2 - Brightness/Contrast (Default)</p> | Use this button to directly access the "Brightness/Contrast" menu. |
| 3 |  <p>Shortcut key 3 - Input Source (Default)</p> | <p>Use Input Source Select button to select between different video signals that may be connected to your monitor.</p> <ul style="list-style-type: none"> • DVI-D 1 • DVI-D 2 • DisplayPort • VGA • HDMI 1 • HDMI 2 • Component |
| 4 |  <p>Menu</p> | Use the MENU button to launch the on-screen display (OSD) and select the OSD Menu. See Accessing the Menu System . |
| 5 |  <p>Exit</p> | Exit the On-Screen Display menu. |
| 6 |  <p>Power (with power light indicator)</p> | <p>Use the Power button to turn the monitor on and off.</p> <p>The blue LED indicates the monitor is on and fully functional. An amber LED indicates DPMS power save mode.</p> |

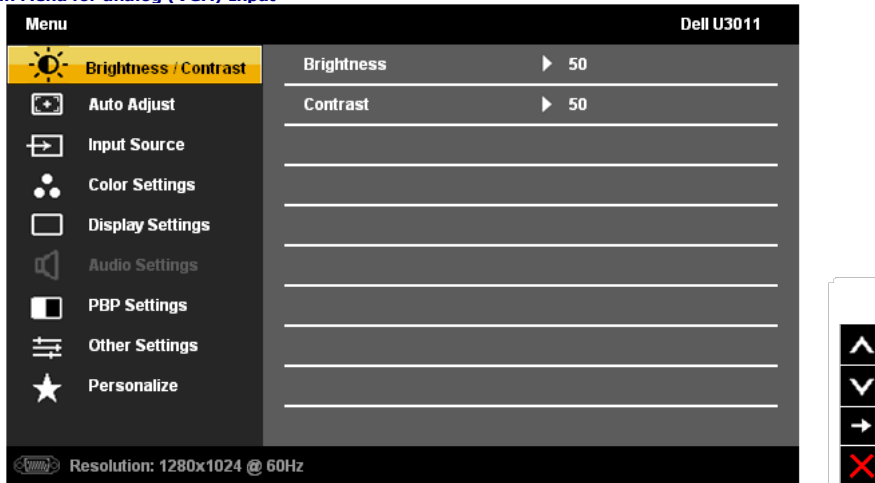
Using the On-Screen Display (OSD) Menu


Accessing the Menu System











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


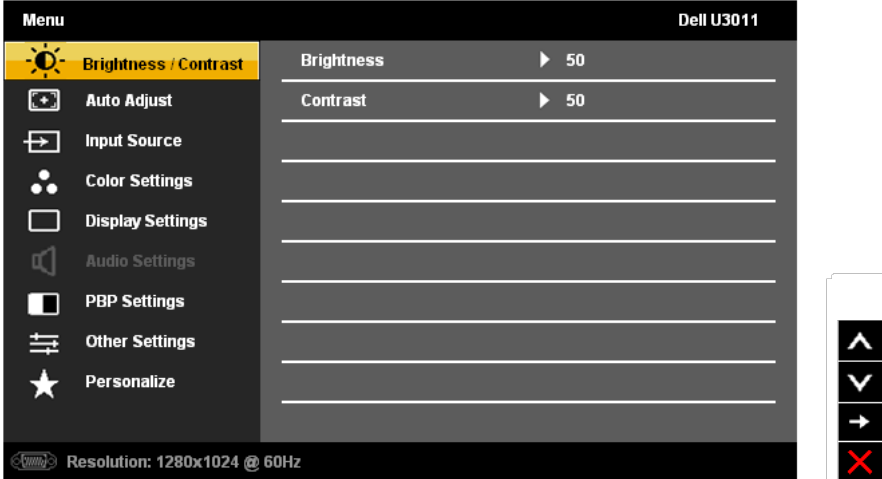





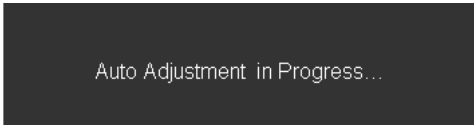

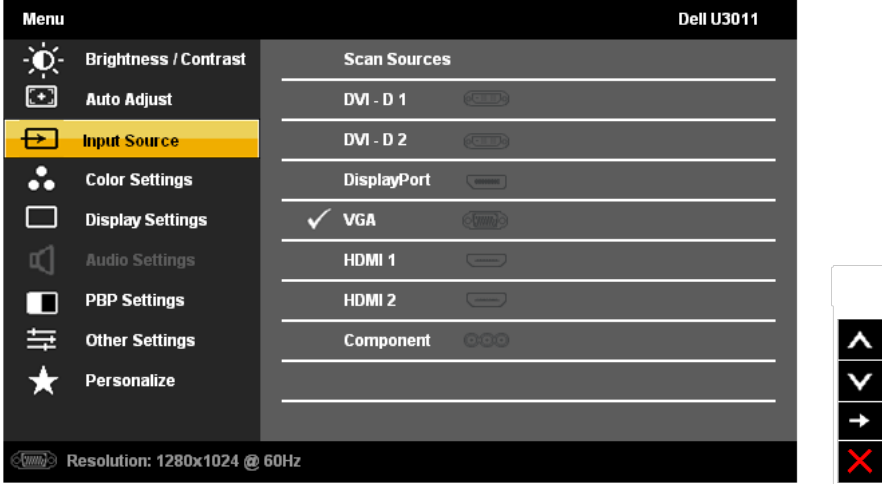

1. Touch the  button to launch the OSD menu and display the main menu.

Main Menu for analog (VGA) Input



 **NOTE:** Auto Adjust is only available when you use the analog (VGA) connector.

2. Touch the  or  button to move between the setting options. As you move from one icon to another, the option name is highlighted. See the following table for a list of all the options available for the monitor.
3. Touch the  button once to activate the highlighted option.
4. Touch the  or  button to select the desired parameter.
5. Touch the  button to enter the slide bar and then use the  and  buttons, according to the indicators on the menu, to make your changes.
6. Touch the  button to return to the main menu or  to exit the OSD menu.

| Icon | Menu and Submenus | Description |
|--|----------------------------|---|
|  | Brightness/Contrast | <p>Use this menu to activate Brightness/Contrast adjustment.</p>  |
| | Brightness | <p>Brightness adjusts the luminance of the backlight.</p> <p>Touch the  button to increase brightness and touch the  button to decrease brightness (min 0 ~ max 100).</p> |
| | Contrast | <p>Adjust Brightness first, and then adjust Contrast only if further adjustment is necessary.</p> <p>Touch the  button to increase contrast and touch the  button to decrease contrast (min 0 ~ max 100). The Contrast function adjusts the degree of difference between darkness and lightness on the monitor screen.</p> |
|  | Auto Adjust | <p>Even though your computer recognizes your monitor on startup, the Auto Adjustment function optimizes the display settings for use particular setup.</p> <p>Auto Adjustment allows the monitor to self-adjust to the incoming video signal. After using Auto Adjustment, you can further tune you by using the Pixel Clock (Coarse) and Phase (Fine) controls under Image Settings.</p>  <p>NOTE: In most cases, Auto Adjust produces the best image for your configuration. Auto Adjust option is only available when you are using an analog (VGA) connector.</p> |
|  | Input Source | <p>Use the Input Source menu to select between different video signals that may be connected to your monitor.</p>  |
| | Scan Sources | <p>Touch the  button to select the Scan Sources, the monitor will auto detect either VGA input or DVI-D input or DisplayPort input or Component video input.</p> |

| | | |
|--|--------------------|---|
| | DVI-D | Select DVI-D input when you are using the Digital (DVI) connector. Touch the button to select the DVI input source. |
| | DisplayPort | Select DisplayPort input when you are using the DisplayPort (DP) connector. Touch the button to select the DisplayPort input. |
| | VGA | Select VGA input when you are using the analog (VGA) connector. Touch the button to select the VGA input source. |
| | HDMI | Select HDMI input when you are using the HDMI connector. Touch the button to select the HDMI input source. |
| | Component | Select Component input when you are using the Component connector. Touch the button to select the Component input source. |

Color Settings

Use the **Color Settings** to adjust the color setting mode and color temperature.

Color Settings submenu for Standard, Warm, Cool, Adobe RGB, sRGB, xv Mode and Custom Color modes:

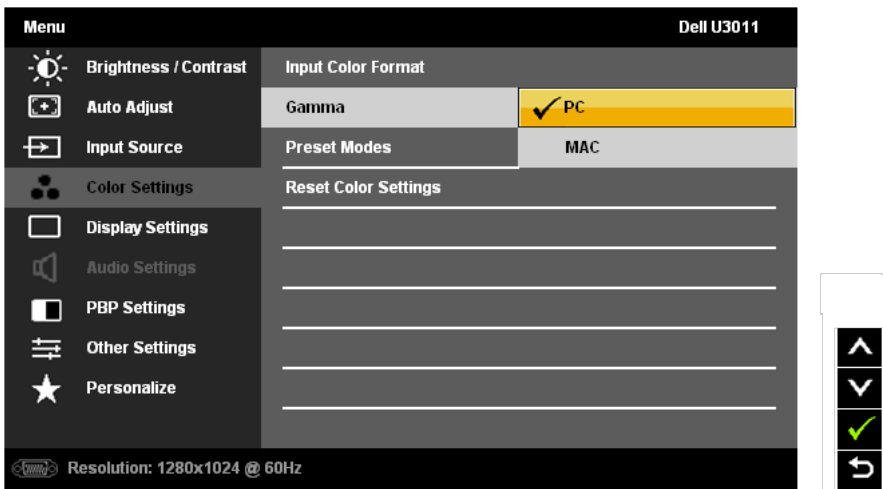
Color Settings submenu for Multimedia, Game and Movie modes:

Input Color Format

Choose the RGB option if monitor is connected to a PC or a DVD using a VGA or a DVI cable. Choose the YPbPr option if monitor is connected to a DVD by a YPbPr cable.

Gamma

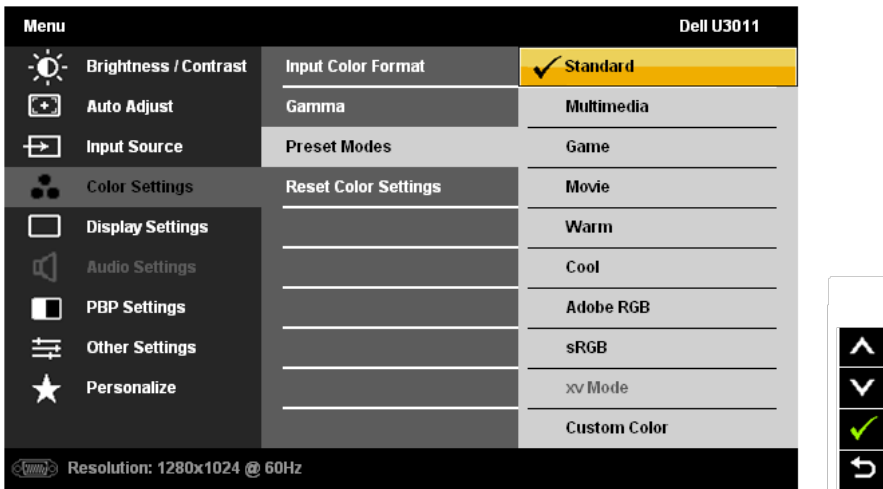
To achieve the different color mode for PC and Mac.



Preset Modes

You can choose **Standard, Multimedia, Game, Movie, Warm, Cool, Adobe RGB, sRGB, xv Mode** or **Custom Color**;

- **Standard:** Loads the color settings suitable for desktop applications. This is the default preset mode.
- **Multimedia:** Loads color settings suitable for multimedia applications, e.g. video playback.
- **Game:** Loads color settings suitable for most gaming applications.
- **Movie:** Loads color settings suitable for movies.
- **Warm:** Select warm mode to obtain a red tint. This color setting is typically used for color-intensive applications (photograph editing, multimedia, movies, etc.).
- **Cool:** Select cool mode to obtain a bluish tint. This color setting is typically used for text based applications (spreadsheets, print text editors, etc.).
- **Adobe RGB:** This mode is compatible with Adobe RGB (99% coverage).
- **sRGB:** Mode to emulate 72% NTSC color.
- **xv Mode:** Suitable for xvYCC compliance HDMI source.
- **Custom Color:** Touch the or button select **Gain, Offset, Hue and Saturation**.
 - **Gain:** Select it to adjust input RGB signal gain level.
 - **Offset:** Select it to adjust RGB black level offset value to control your monitor base color.
 - **Hue:** Select it to adjust RGBCMY hue value individually.
 - **Saturation:** Select it to adjust RGBCMY saturation value individually.



Hue

This feature can shift color of video image to green or purple. This is used to adjust the desired flesh tone color. Use or to adjust the hue from '0' to '100'.

Touch the button to increase the green shade of the video image.
 Touch the button to increase the purple shade of the video image.

NOTE: Hue adjustment is available only for video input.

Saturation

This feature can adjust the color saturation of the video image. Use or to adjust the saturation from '0' to '100'.

Touch the button to increase the monochrome appearance of the video image.
 Touch the button to increase the colorful appearance of the video image.

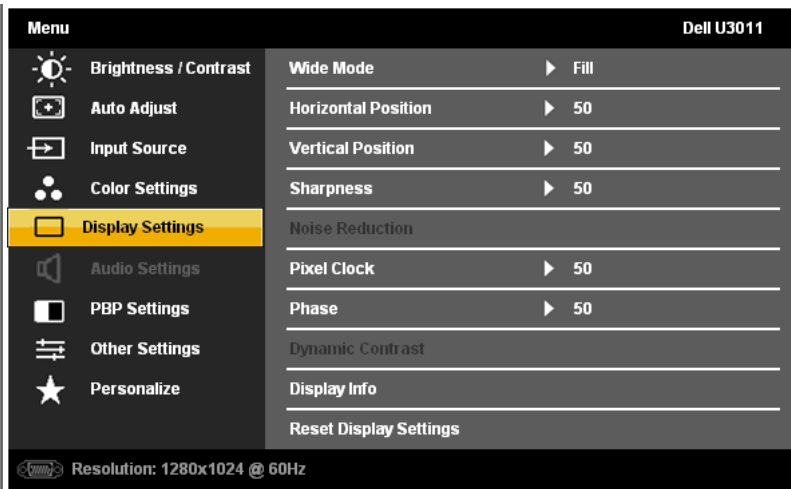
NOTE: Saturation adjustment is available only for video input.

Reset Color Settings

Reset your monitor color settings to the factory settings.

Display Settings

Use the Display Settings to adjust image.



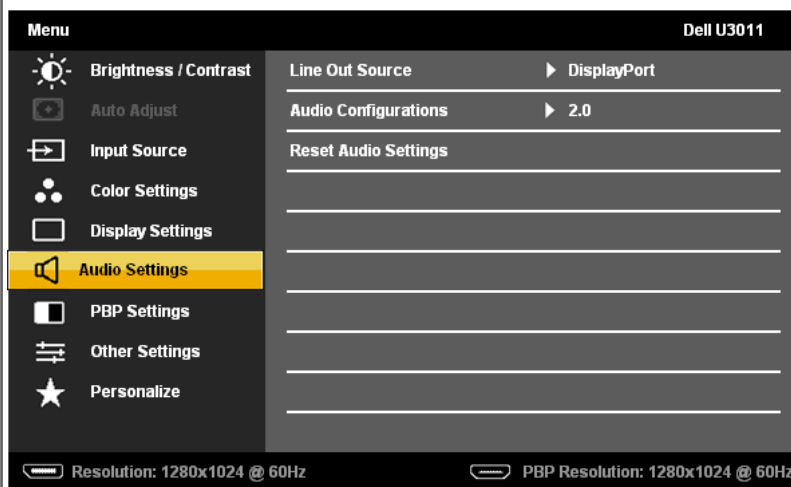
| | |
|----------------------------|---|
| Wide Mode | Adjust the image ratio as 16:9, 4:3, 1:1, Aspect or full screen. |
| Horizontal Position | Use the or to adjust image left or right. Minimum is '0' (-). Maximum is '100' (+). |
| Vertical Position | Use the or to adjust image up or down. Minimum is '0' (-). Maximum is '100' (+). NOTE: Horizontal Position and Vertical Position Adjustments are only available for "VGA" input. |
| Sharpness | This feature can make the image look sharper or softer. Use or to adjust the sharpness from '0' to '100'. |
| Noise Reduction | Improve the motion picture quality by reducing noise on image edge. NOTE: Noise Reduction is only available for Multimedia, Game and Movie modes. |
| Pixel Clock | The Phase and Pixel Clock adjustments allow you to adjust your monitor to your preference. Use the or 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 for "VGA" input. |
| Dynamic Contrast | Allows you to increase the level of contrast to provide sharper and more detailed image quality. (Brightness control is disabled while Contrast mode and will be grayed out.) Touch the button to select the Dynamic Contrast "On" or "Off" . NOTE: Dynamic Contrast is only available for Game and Movie color preset modes. |

Display Info Displays the monitor's current settings.

Reset Display Settings Select this option to restore default display settings.

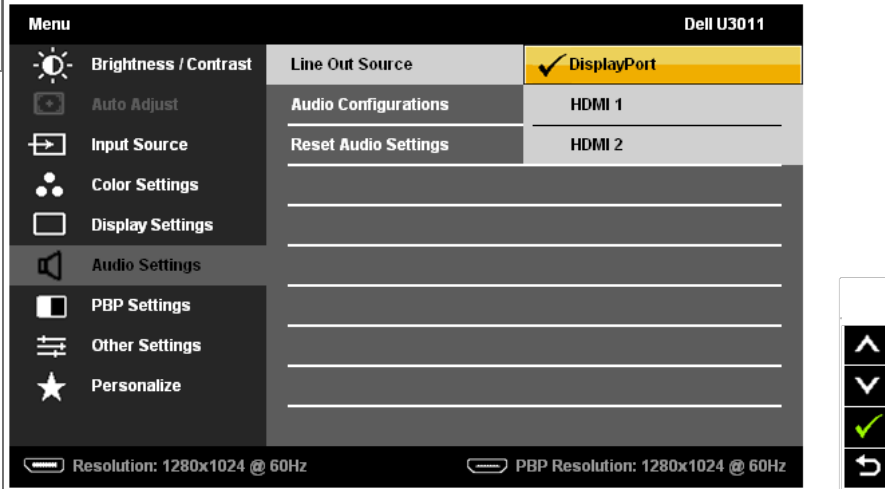


Audio Settings Select this option to adjust the audio settings.





Line Out Source

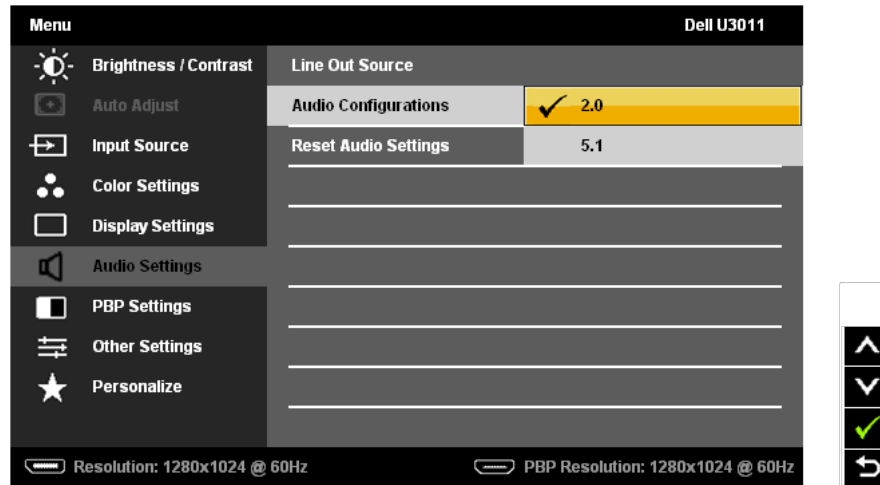
Use the **Line Out Source** menu to select between different audio signals that may be connected to your monitor.



NOTE: Line Out Source selection is available only when the monitor display is in PBP mode.

Audio Configurations

Audio offers two kind of configurations of audio channels. Use the  or  to move between 2 channels and 5.1 channels and desired option.



Reset Audio Settings

Reset all audio settings to the factory preset values.

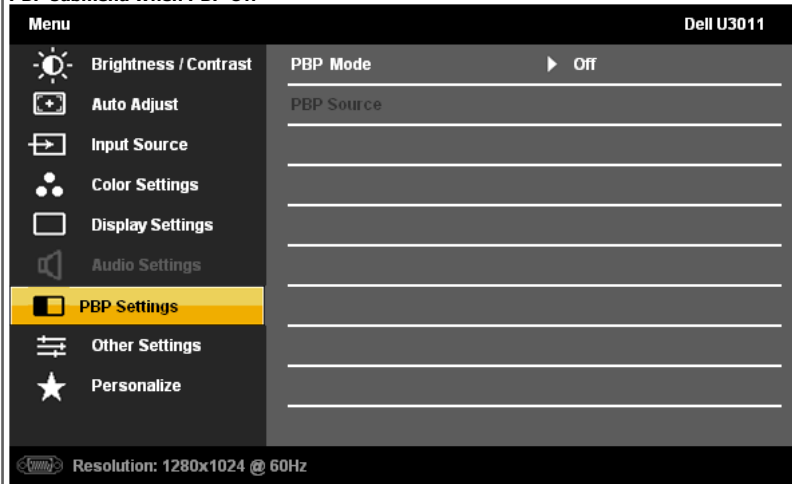
PBP Settings

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





PBP submenu when PBP Off



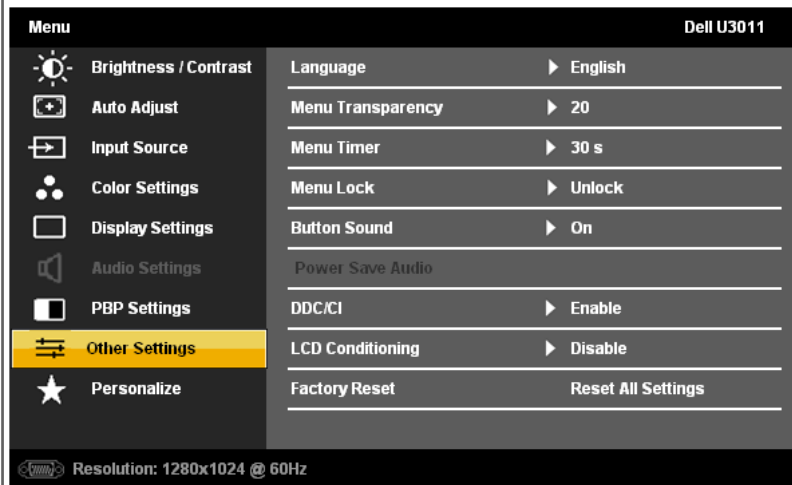
PBP Mode To turn **on** or **off** Picture by Picture (PBP).

PBP Source Select an input signal for Picture by Picture (PBP). (HDMI 1/HDMI 2/Component).



PBP Contrast Adjust the contrast level of the picture in PBP Mode.





Other Settings Select this option to adjust the settings of the OSD, such as, the languages of the OSD, the amount of time the menu remains on so on.



Language Language option to set the OSD display to one of eight languages (English, Español, Français, Deutsch, Brazilian Portuguese, Russian Simplified Chinese or Japanese).

Menu Transparency Select this option to change the menu transparency by touching  and  buttons (Minimum: 0 ~ Maximum: 100).

Menu Timer OSD Hold Time: Sets the length of time the OSD will remain active after the last time you touched a button.

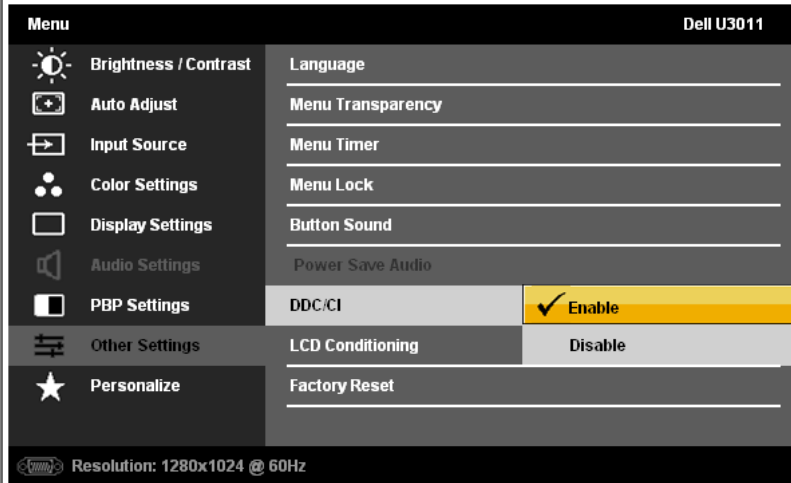
Use the  or  to adjust the slider in 1 second increments, from 5 to 60 seconds.

Menu Lock This function allows you to restrict the access of the various settings on your monitor.
To lock the menu, select the 'Lock' option.
To unlock the menu, touch and hold the button above the Power button for about 10 seconds.

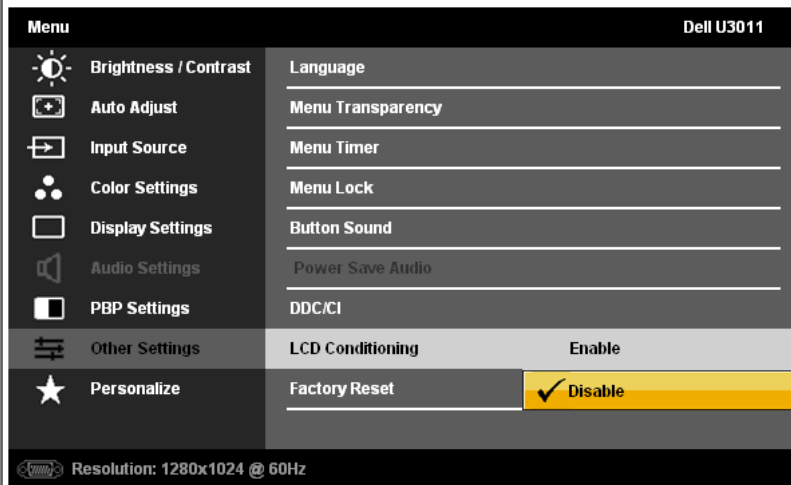
Button Sound This function is used to turn on/off the button sound.

Power Save Audio To turn **on** or **off** Audio Power during Power Save mode.
NOTE: This function is available only when DC power connector is connected to soundbar.


DDC/CI DDC/CI (Display Data Channel/Command Interface) allows your monitor parameters (brightness, color balance etc) to be adjustable software on your computer. You can disable this feature by selecting "Disable". Enable this feature for best user experience and optimum performance of your monitor.

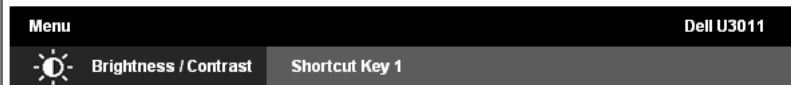


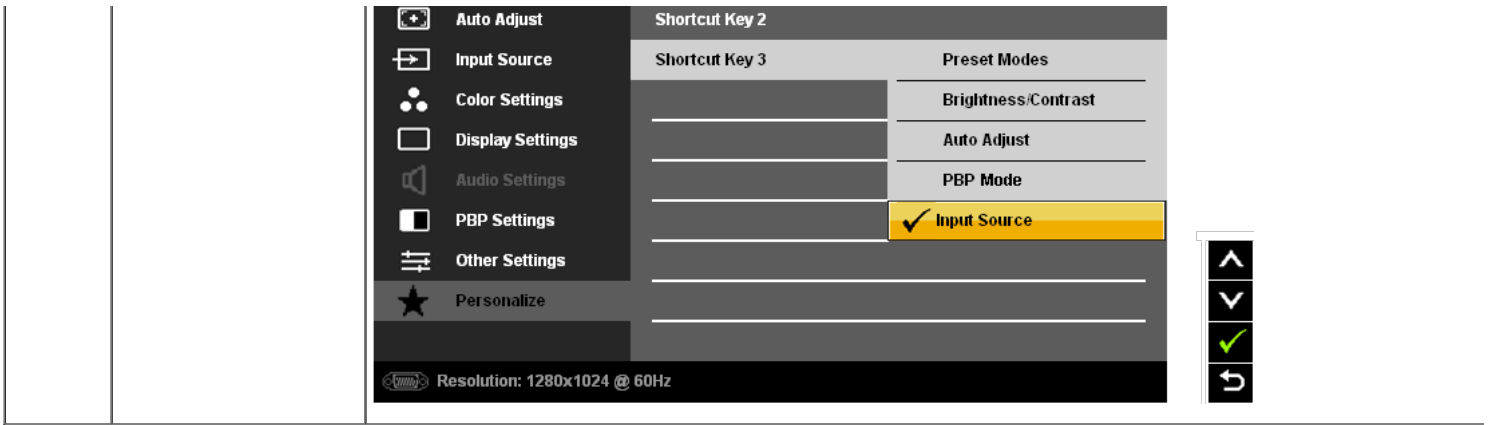
LCD Conditioning Helps reduce minor cases of image retention. Depending on the degree of image retention, the program may take some time to run. enable this feature by selecting "Enable".



Factory Reset Reset all OSD settings to the factory preset values.

 **Personalize** This feature enables you to personalize the shortcut keys.

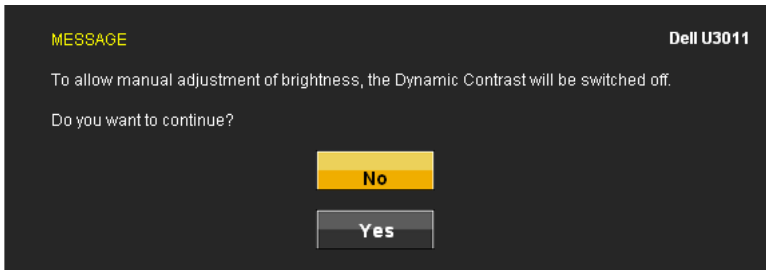




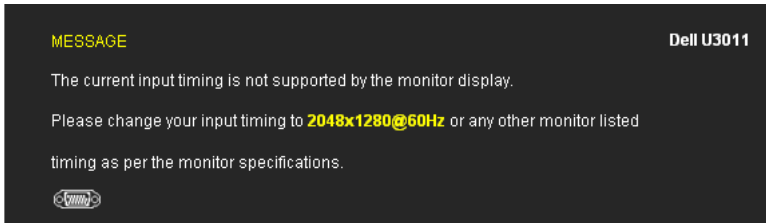
NOTE: This monitor has a built-in feature to automatically calibrate the brightness to compensate for CCFL aging.

OSD Warning Messages

When Dynamic Contrast Feature is enabled (in these modes: Game, Movie and Multimedia), the manual brightness adjustment is disabled.

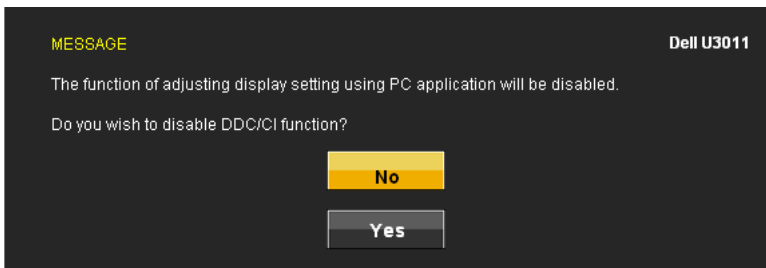


When the monitor does not support a particular resolution mode you will see the following message:

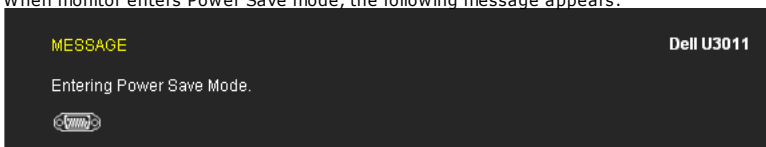


This means that the monitor cannot synchronize with the signal that it is receiving from the computer. See [Monitor Specifications](#) for the Horizontal and Vertical frequency ranges addressable by this monitor. Recommended mode is 2048 x 1280 (VGA input source) / 2560 x 1600 (DVI/DisplayPort input sources) / 1920 x 1200 (HDMI input source).

You will see the following message before the DDC/CI function is disabled.



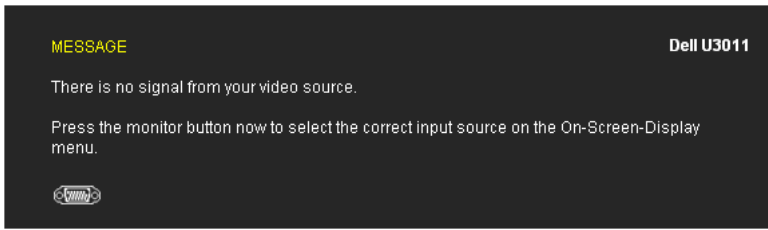
When monitor enters Power Save mode, the following message appears:



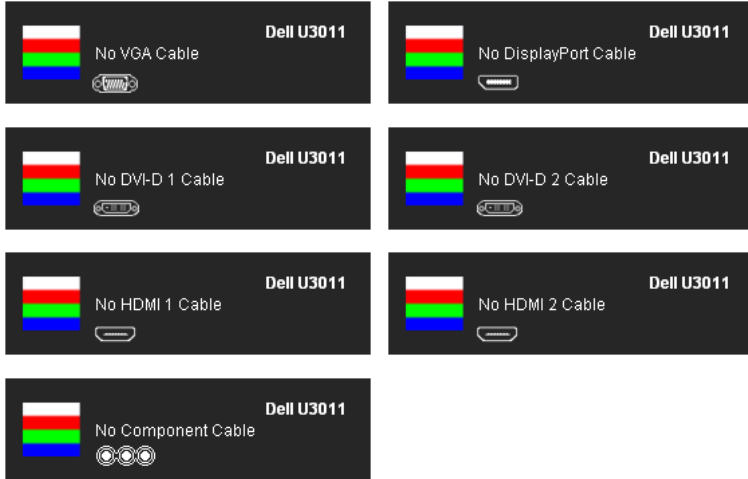
Activate the computer and wake up the monitor to gain access to the [OSD](#)

If you touch any button other than the power button one of the following messages will appear depending on the selected input:

VGA/DVI-D/DisplayPort/HDMI/Component input



If either VGA or DVI-D or DisplayPort or HDMI or Component input is selected and both VGA and DVI-D and DisplayPort and HDMI and Component cables are not connected, a fi dialog box as shown below appears.



See [Solving Problems](#) for more information.

Setting the Maximum Resolution

To set the Maximum resolution for the monitor:

Windows XP:

1. Right-click on the desktop and select **Properties**.
2. Select the **Settings** tab.
3. Set the screen resolution to 2048 x 1280 (VGA input source) / 2560 x 1600 (DVI/DisplayPort input sources) / 1920 x 1200 (HDMI input source).
4. Click **OK**.

Windows Vista® or Windows® 7:

1. Right-click on the desktop and select **Personalization**.
2. Click **Change Display Settings**.
3. Move the slider-bar to the right by pressing and holding left-mouse button and adjust the screen resolution to 2048 x 1280 (VGA input source) / 2560 x 1600 (DVI/DisplayPort input sources) / 1920 x 1200 (HDMI input source).
4. Click **OK**.


If you do not see 2048 x 1280 (VGA input source) / 2560 x 1600 (DVI/DisplayPort input sources) / 1920 x 1200 (HDMI input source), as an option, you may need to update your driver. Depending on your computer, complete one of the following procedures:

If you have a Dell desktop or portable computer:

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

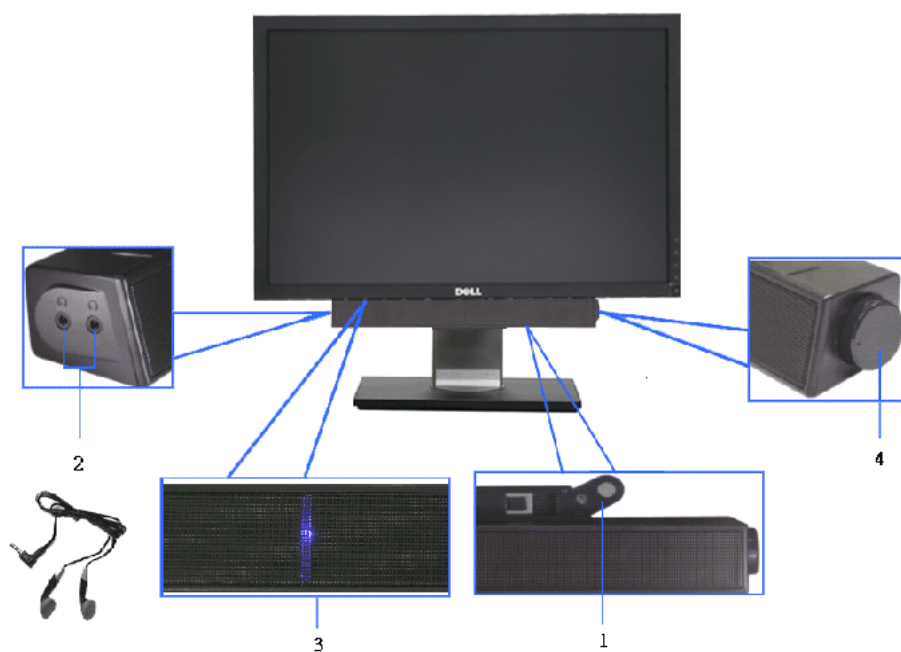
If you are using a non-Dell computer (portable or desktop):

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

 **NOTE:** In DVI, please use the dual-link DVI cable shipped with your monitor for maximum preset resolution of 2560 x 1600.

Using the Dell Soundbar (Optional)

The Dell Soundbar is a stereo two channel system adaptable to mount on Dell Flat Panel Displays. The Soundbar has a rotary volume and on/off control to adjust the overall system, a blue LED for power indication, and two audio headset jacks.



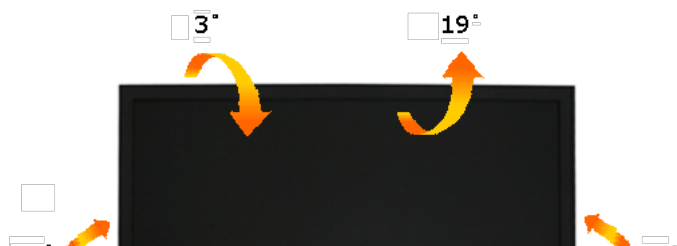
1. Attach mechanism
2. Headphone jacks
3. Power indicator
4. Power/Volume control

Using the Tilt, Swivel, and Vertical Extension

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

Tilt, Swivel

With this stand, you can tilt and swivel the monitor for the most comfortable viewing angle.





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

Vertical Extension

NOTE: The stand extends vertically up to 90 mm. The figures below illustrate how to extend the stand vertically.



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Troubleshooting

Dell™ U3011 Flat Panel Monitor User's Guide

- [Self-Test](#)
- [Built-in Diagnostics](#)
- [Common Problems](#)
- [Product Specific Problems](#)
- [Universal Serial Bus Specific Problems](#)
- [Dell Soundbar Problems](#)

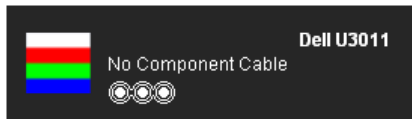
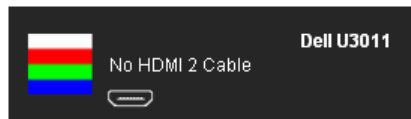
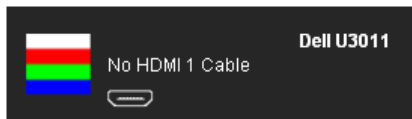
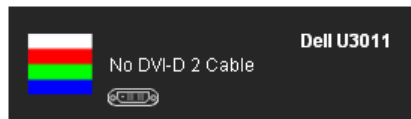
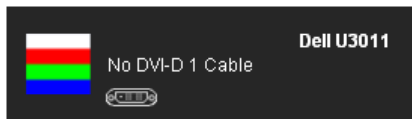
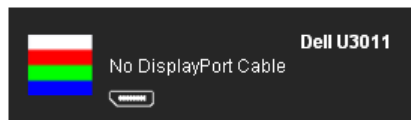
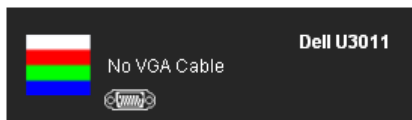
WARNING: Before you begin any of the procedures in this section, follow the [Safety Instructions](#).

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 (white connector) and the Analog (blue connector) cables from the back of computer.
3. Turn on the monitor.

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



□

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

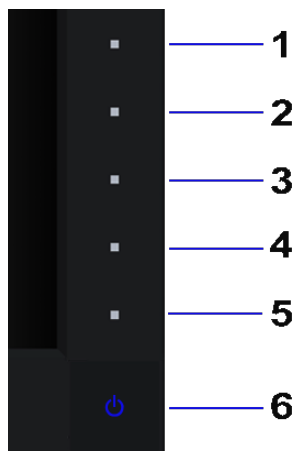
If your monitor screen remains blank after you use the previous procedure, check your video controller and computer, because your monitor is functioning properly.

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.

or with your computer and video card.

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



To run the built-in diagnostics:

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

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

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

Common Problems

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

| Common Symptoms | What You Experience | Possible Solutions |
|------------------------|---------------------------------------|---|
| No Video/Power LED off | No picture | <ul style="list-style-type: none"> • Ensure that the video cable connecting the monitor and the computer is properly connected and secure. • Verify that the power outlet is functioning properly using any other electrical equipment. • Ensure that the power button is depressed fully. • Ensure that the correct input source is selected via the Input Source Select button. |
| No Video/Power LED on | No picture or no brightness | <ul style="list-style-type: none"> • Increase brightness & contrast controls via OSD. • Perform monitor self-test feature check. • Check for bent or broken pins in the video cable connector. • Run the built-in diagnostics. • Ensure that the correct input source is selected via the Input Source Select button. |
| Poor Focus | Picture is fuzzy, blurry, or ghosting | <ul style="list-style-type: none"> • Perform Auto Adjust via OSD. • Adjust the Phase and Pixel Clock controls via OSD. • Eliminate video extension cables. • Reset the monitor to Factory Settings. • Change the video resolution to the correct aspect ratio (16:10). |
| Shaky/Jittery Video | Wavy picture or fine movement | <ul style="list-style-type: none"> • Perform Auto Adjust via OSD. • Adjust the Phase and Pixel Clock controls via OSD. • Reset the monitor to Factory Settings. • Check environmental factors. • Relocate the monitor and test in another room. |
| Missing Pixels | LCD screen has spots | <ul style="list-style-type: none"> • Cycle power on-off. • Pixel that is permanently off is a natural defect that can occur in LCD technology. • For more information on Dell Monitor Quality and Pixel Policy, see Dell Support site at: support.dell.com. |
| Stuck-on Pixels | LCD screen has bright spots | <ul style="list-style-type: none"> • Cycle power on-off. • Pixel that is permanently off is a natural defect that can occur in LCD technology. • For more information on Dell Monitor Quality and Pixel Policy, see Dell Support site at: support.dell.com. |
| Brightness Problems | Picture too dim or too bright | <ul style="list-style-type: none"> • Reset the monitor to Factory Settings. • Auto Adjust via OSD. |

| | | |
|---|--|---|
| | | <ul style="list-style-type: none"> Adjust brightness & contrast controls via OSD. |
| Geometric Distortion | Screen not centered correctly | <ul style="list-style-type: none"> Reset the monitor to Factory Settings. Auto Adjust via OSD. Adjust horizontal & vertical controls via OSD. <p>NOTE: When using DVI-D input, the positioning adjustments are not available.</p> |
| Horizontal/Vertical Lines | Screen has one or more lines | <ul style="list-style-type: none"> Reset the monitor to Factory Settings. Perform Auto Adjust via OSD. Adjust Phase and Pixel Clock controls via OSD. Perform monitor self-test feature check and determine if these lines are also in self-test mode. Check for bent or broken pins in the video cable connector. Run the built-in diagnostics. <p>NOTE: When using DVI-D input, the Pixel Clock and Phase adjustments are not available.</p> |
| Synchronization Problems | Screen is scrambled or appears torn | <ul style="list-style-type: none"> Reset the monitor to Factory Settings. Perform Auto Adjust via OSD. Adjust Phase and Pixel Clock controls via OSD. Perform monitor self-test feature check to determine if the scrambled screen appears in self-test mode. Check for bent or broken pins in the video cable connector. Restart the computer in the <i>safe mode</i>. |
| Safety-Related Issues | Visible signs of smoke or sparks | <ul style="list-style-type: none"> Do not perform any troubleshooting steps. Contact Dell immediately. |
| Intermittent Problems | Monitor malfunctions on & off | <ul style="list-style-type: none"> Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. Reset the monitor to Factory Settings. Perform monitor self-test feature check to determine if the intermittent problem occurs in self-test mode. |
| Missing Color | Picture missing color | <ul style="list-style-type: none"> Perform monitor self-test feature check. Ensure that the video cable connecting the monitor to the computer is connected properly and is secure. Check for bent or broken pins in the video cable connector. |
| Wrong Color | Picture color not good | <ul style="list-style-type: none"> Change the Color Setting Mode in the Color Settings OSD to Graphics or Video depending on the application. Try different Color Preset Settings in Color Settings OSD. Adjust R/G/B value in Color Settings OSD if the Color Management is turned off. Change the Input Color Format to PC RGB or YPbPr in the Advance Setting OSD. Run the built-in diagnostics. |
| Image retention 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"> Use the Power Management feature to turn off the monitor at all times when not in use (for more information, see Power Management Modes). Alternatively, use a dynamically changing screensaver. |

Product Specific Problems

| Specific Symptoms | What You Experience | Possible Solutions |
|---|---|---|
| Screen image is too small | Image is centered on screen, but does not fill entire viewing area | <ul style="list-style-type: none"> Check the Scaling Ratio setting in Image Setting OSD. Reset the monitor to Factory Settings. |
| Cannot adjust the monitor with the buttons on the front panel | OSD does not appear on the screen | <ul style="list-style-type: none"> Turn off the monitor, unplug the power cord, plug back, and then turn on the monitor. |
| No Input Signal when user controls are pressed | No picture, the LED light is green. When you press "+", "-", or "Menu" key, the message "No S-Video input signal", or "No Composite input signal", or "No Component input signal" appears | <ul style="list-style-type: none"> Check the signal source. Ensure the computer is not in the power saving mode by moving the mouse or pressing any key on the keyboard. Check to make sure Video Source to S-Video, Composite or Component is powered and playing video media. Check whether the signal cable is plugged in properly. Re-plug the signal cable if necessary. Reset the computer or video player. |
| The picture does not fill the entire screen. | The picture cannot fill the height or width of the screen | <ul style="list-style-type: none"> Due to different video formats (aspect ratio) of DVDs, the monitor may display in full screen. Run the built-in diagnostics. |

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

Universal Serial Bus (USB) Specific Problems

| Specific Symptoms | What You Experience | Possible Solutions |
|---------------------------------------|---|--|
| USB interface is not working | USB peripherals are not working | <ul style="list-style-type: none"> • Check that your monitor is turned ON. • Reconnect the upstream cable to your computer. • Reconnect the USB peripherals (downstream connector). • Switch off and then turn on the monitor again. • Reboot the computer. • Some USB devices like external portable HDD require higher electric current; connect the device directly to the computer system. |
| High Speed USB 2.0 interface is slow. | High Speed USB 2.0 peripherals working slowly or not working at all | <ul style="list-style-type: none"> • Check that your computer is USB 2.0-capable. • Some computers have both USB 2.0 and USB 1.1 ports. Ensure that the correct USB port is used. • Reconnect the upstream cable to your computer. • Reconnect the USB peripherals (downstream connector). • Reboot the computer. |

Dell™ Soundbar Problems

| Common Symptoms | What You Experience | Possible Solutions |
|-------------------------|---|---|
| No Sound | No power to Soundbar - the power indicator is off | <ul style="list-style-type: none"> • Turn the Power/Volume knob on the Soundbar clockwise to the middle position; check if the power indicator (Blue LED) on the front of the Soundbar is illuminated. • Confirm that the power cable from the Soundbar is plugged into the adapter. |
| No Sound | Soundbar has power - power indicator is on | <ul style="list-style-type: none"> • Plug the audio line-in cable into the computer's audio out jack. • Set all Windows volume controls to their maximum. • Play some audio content on the computer (i.e. audio CD, or MP3). • Turn the Power/Volume knob on the Soundbar clockwise to a higher volume setting. • Clean and reseal the audio line-in plug. • Test the Soundbar using another audio source (i.e. portable CD player). |
| Distorted Sound | Computer's sound card is used as the audio source | <ul style="list-style-type: none"> • Clear any obstructions between the Soundbar and the user. • Confirm that the audio line-in plug is completely inserted into the jack of the sound card. • Set all Windows volume controls to their midpoints. • Decrease the volume of the audio application. • Turn the Power/Volume knob on the Soundbar counter-clockwise to a lower volume setting. • Clean and reseal the audio line-in plug. • Troubleshoot the computer's sound card. • Test the Soundbar using another audio source (i.e. portable CD player). |
| Distorted Sound | Other audio source is used | <ul style="list-style-type: none"> • Clear any obstructions between the Soundbar and the user. • Confirm that the audio line-in plug is completely inserted into the jack of the audio source. • Decrease the volume of the audio source. • Turn the Power/Volume knob on the Soundbar counter-clockwise to a lower volume setting. • Clean and reseal the audio line-in plug. |
| Unbalanced Sound Output | Sound from only one side of Soundbar | <ul style="list-style-type: none"> • Clear any obstructions between the Soundbar and the user. • Confirm that the audio line-in plug is completely inserted into the jack of the sound card or audio source. • Set all Windows audio balance controls (L-R) to their midpoints. • Clean and reseal the audio line-in plug. • Troubleshoot the computer's sound card. • Test the Soundbar using another audio source (i.e. portable CD player). |
| Low Volume | Volume is too low | <ul style="list-style-type: none"> • Clear any obstructions between the Soundbar and the user. • Turn the Power/Volume knob on the Soundbar clockwise to the maximum volume setting. • Set all Windows volume controls to their maximum. • Increase the volume of the audio application. • Test the Soundbar using another audio source (i.e. portable CD player). |

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Appendix

Dell™ U3011 Flat Panel Monitor User's Guide

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- [FCC Notice \(U.S. Only\) and Other Regulatory Information](#)
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WARNING: Safety Instructions

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

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

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

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

Contacting Dell

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

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

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Visit support.dell.com.
2. Verify your country or region in the **Choose A Country/Region** drop-down menu at the bottom of the page.
3. Click **Contact Us** on the left side of the page.
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