# Dell Feature Enhancement Pack

**NOTE:** Features and options in Dell Features Enhancement Pack may vary depending on your computer.

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# Notes, Cautions, and Warnings

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

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# Keyboard Backlight And Hot Keys

## Keyboard Backlight

**NOTE:** The keyboard backlight option is available only in certain computers.

Enabling this feature provides a backlight on the keyboard, while the computer is in use. This feature allows you to enable/disable the keyboard backlight, specify the duration the backlight is enabled, and when the backlight activates.

## Keyboard Hot Keys

**NOTE:** The keyboard hot keys option is available only in certain computers.

Hot keys are keyboard shortcuts that are activated by pressing a combination of <**Fn**> and a designated character on your keyboard.

Hot keys can be used to:

- control computer features (for example, to turn the notebook display off and on)

## Hot Key Icons

Hot Key Icons appear on your desktop or the system tray when the combination of function key (Fn) and any other key is used. For example when the *Fn+ Up* Arrow combination is used an icon will pop-up to notify the changes made to the brightness of the display.

**NOTE:** The Hot Key Icons available on your computer may be different depending on your computer's hardware configuration.

The following table lists the Hot Key Icons:

| Icon | Description |
| --- | --- |
|  | Keyboard's backlight is Off. |
|  | Keyboard's backlight is glowing at 25% capacity. |
|  |  |

| | |
|---|---|
| | Keyboard's backlight is glowing at 50% capacity. |
| | Keyboards backlight is glowing at 75% capacity. |
| | Keyboards backlight is glowing at full capacity. |
| | The Ambient Light Sensor is enabled.<br><br>**NOTE:** Even if the notification icon appears, the Ambient Light Sensor will not function if it is disabled or not present in the Control Panel. To enable the Ambient Light Sensor, open **Control Panel → All Control Panel Items → Location and Other Sensors**. |
| | The Ambient Light Sensor is disabled. |
| | The computer's speakers are enabled. The icon will animate when the volume is increased or decreased. |
| | The computer's speakers are disabled. |
| | The display's brightness is being increased. |
| | The display's brightness is being reduced. |
| | The wireless devices in your computer like Bluetooth, Wi-FI, WWAN, and WPAN are enabled. |
| | The wireless devices in your computer like Bluetooth, Wi-FI, WWAN, and WPAN are disabled. |
| | The battery has been completely charged and the computer is running on AC power. |
| | The battery is charging. |

# System Notification messages

The computer will display a System Notification message when it detects use of adapters which are:

- non-Dell branded

- incorrect type

- of insufficient wattage to charge the battery.

Visit our website **support.dell.com** for further troubleshooting tips or to contact Dell technical support.

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# Battery Health And Dell Enhanced Performance Plans

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# Battery Health

> **NOTE:** The battery operating time (the time the battery can hold a charge) decreases over time. Depending on how often the battery is used and the conditions under which it is used, you may need to purchase a new battery during the life of your computer.

The Dell Battery Information denotes the health of your primary and secondary (if installed) battery. A green status indicator denotes there are no problems, while yellow and red requires your attention.

Additional information like the battery manufacturer and serial number are also displayed depending on the computer's hardware configuration.

# Battery Information User Interface

The Battery Information screen provides the following information to the user :

### Title Bar

This section of the screen displays the following details :

- Dell Icon with the text battery information alongside it.
- Minimize, Close and Help icons.

### Main Battery Navigation Section

This section of the screen displays the following details :

- Number of batteries detected and the percentage of charge remaining for each battery
- Battery Health and Status indicators and an information icon for more details regarding health
- Battery Lifespan Settings button
- Connection
- Manufacturer
- Dell Battery
- Serial Number

> **NOTE:** Available options vary depending on your computer's configuration.

You can use the keyboard tab key to navigate from one battery to the next and use the enter key to select a highlighted option. Alternatively, use the mouse and select a battery with a single mouse click.

### Battery Health and Status Indicators

The Battery Health for the installed batteries on the computer can be determined by observing the status indicators.

The Battery Health Status indicators can be found in 2 locations on the screen :

- Main Battery Navigation section
- Battery Heath field

The table below describes the battery health status based on the color of the battery health status indicator :

| Status indicator color | Health Status | Description |
|---|---|---|
| Bright green | Excellent | Your battery is operating normally. |
| Dull green | Good | Your battery is able to charge normally. However, you may begin to notice a reduced operating time because your long-term battery life is decreasing. |
| Yellow | Fair | Your battery is able to charge normally. However, it is reaching the end of its usable life. You can experience a longer operating time with a new battery. You may want to consider purchasing a replacement battery now. |
| Red | Poor | Your battery can no longer provide sufficient power to your system and needs to be replaced. |
| Red | Error | Your battery no longer operates and needs to be replaced. |
| Gray | Unknown | Your battery health information cannot be determined. |

## Battery Lifespan Settings Button

📝 **NOTE:** The options available in the Battery Lifespan Settings field is dependent on the type of battery installed on the computer.

A single mouse click will open the overlay that allows users to update the Battery Lifespan Setting.

The primary battery will support one of the following states:
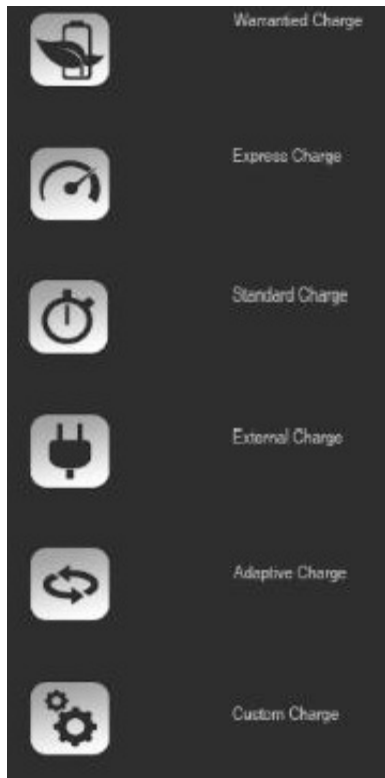
The description of each of these states is listed below :

| |
|---|
| **Warranty Charge**<br><br>The Battery lifespan is protected with a 3 year warranty. The settings button does not appear in this mode indicating that the setting cannot be changed by the user. |
| **Express Charge**<br><br>Recommended for users who need the battery charged over a short period of time. |
| **Standard Charge**<br><br>Recommended for users who switch between battery power and an external power source. The battery is charged over a long period of time. |
| **External Charge**<br><br>Recommended for users who primarily operate their system while plugged into an external power source. |
| **Adaptive Charge:**<br><br>Recommended for users who want to maintain the best balance of runtime and battery lifespan. This battery setting automatically adjusts the battery settings based on user behaviors. |
| **Custom Charge**<br><br>Recommended for advanced users. This setting allows the user to use a slider within the application to define when the battery will start and stop charging. The user can also adjust the setting by keying in numeric values alongside the slider. |

## Connection

This field displays the connection type for the installed battery. The options displayed here will be one of the following :

- Primary
- Battery Slice
- Modular Bay
- Unknown

## Manufacturer

This field displays the name of the battery manufacturer .

## Dell Battery

This field shows if the battery installed is a Dell Battery. The option displayed here will be either Yes or No.

## Serial Number

This field displays the 10-character serial number of the installed battery.

## System Charge Indicator

The system charge is a dynamic system charge status indicator. It displays the system level charge and also indicates if the computer is plugged into an AC source.

The battery icon indicates the system charge level. The system charge level displayed is the aggregate charge level of all the batteries installed on the computer.

The battery icon may appear with one of the following symbols to indicate several different states:

- Battery Icon with an Electrical Plug symbol - Indicates that the computer is plugged into a power source.
- Battery Icon with an Electrical Plug symbol and a Lightning bolt symbol - Indicates that the computer is plugged into a power source and charging.
- Battery Icon with a Circle or Slash symbol - Indicates that there is no battery installed on the computer.

The battery icon will also display the percentage of charge remaining (unplugged from a power source) or the percentage of battery charged (plugged into a power source and charging).

For e.g. - If the battery icon displays 29 % when plugged into a power source, it indicates that the battery is 29 % charged and will continue to charge up to its full capacity.

If the battery icon displays 29 % when unplugged from a power source, it indicates that the battery has 29 % charge remaining and the charge level will reduce with further usage.

**Dell Battery Information Version**

This field displays the version of the Battery information application.

**Order Battery Link**

Clicking this icon will re-direct you to the Dell website to purchase a new battery for your computer. This option may not be available or may re-direct differently based on the policy settings by the system administrator.

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# Support for Multiple Batteries

The Dell Battery Information application when launched will display information about all the batteries currently installed on the computer. The number of batteries listed will depend on the system hardware capabilities and the number of batteries detected.

**NOTE:** If the number of batteries detected by the system exceeds 4 batteries, the application will present a vertical scroll bar to allow the user to view additional batteries.

# Policy Management

System administrators can setup battery life span policies for end users using the administrator controls within the application. Users will be unable to edit this information. If a policy is in place, a lock icon will appear next to the life span setting icon and a message will appear below the setting, "*The battery life span setting has been set by your system administrator.*"

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# Dell Enhanced Power Plans

Dell Enhanced Performance Plans allows you to manage the heat, the performance, and the acoustic levels of your computer. You can access the Power Plans feature from the **Power Options** under **Control Panel**.

## Power Plans

- **Pro Audio/Video** — adjusts the computer settings to allow Avid external audio devices at perform at optimum levels.

**NOTE:** Pro Audio/Video is available only on Dell Precision systems.

**Cool (Reduced Temp Levels)** — adjusts the CPU and fan speed to ensure that computer is powered at or below a maximum acceptable skin temperature.

- **Quiet (Reduced Fan Levels)** — allows you to reduce the noise by limiting the fan speed and CPU throttling.

- **Ultra Performance (Max Fan Levels)** — enables the fan to run at higher speed and also disables the drive indexing and windows sidebar functions.

- **Dell Enhanced Battery Life** — adjusts the power settings to extend battery life by turning off computer and operating system components like media card reader, IEEE 1394 port, Search and Indexing, and so on.

## Dell Enhanced Settings

**NOTE: Dell Enhanced Settings is** disabled when the computer is running on **Pro Audio/Video**, **Cool**, **Quiet** and **Ultra Performance** power plans.

You can further edit the **Dell Enhanced Battery Life** power plan to either enable or disable the following features of your computer or operating system.

- Dell Enhanced Settings

  - Sidebar

  - Aero Glass

  - Search and Indexing

  - Media cards and 1394 devices

  - Optical Drive

  - Screen Refresh Rate

**NOTE:** Features like **Media Cards**, **Optical Drive** and so on will be available only if you ordered them with your computer.

## Wireless Adapter Settings

The Dell Feature Enhancement Pack also allows you to enable or disable the Wireless Adapter depending on your power source.

**NOTE:** This feature is disabled when the computer is running on **Pro Audio/Video**, **Cool**, **Quiet** and **Ultra Performance** power plans.

**NOTE:** To disable all the wireless devices in your computer either enable the airplane mode using the Dell Feature Enhancement Pack's Smart Settings application or turn off the Wi-Fi switch on your computer.

## Editing Dell Enhanced Settings and Wireless Adapter Settings

1. Open **Control Panel**® **Hardware and Sound**® **Power Option.**

2. Click **Change plan settings** next to **Dell Enhanced Battery Life.**

   The **Edit Plan Settings** window appears.

3. Click C**hange advanced power settings**.

   The **Power Options** window opens.

4. In the scroll box you will find the **Dell Enhanced Settings** and **Wireless Adapter Settings** options. You can expand the list further to change the behavior of different features either when running on battery or when plugged in.

# Smart Settings

## Overview

The **Smart Settings** is an application that enables you to make optimal use of your laptop computer's resources by selecting different *modes.* The *modes* allows you to enable or disable certain computer's features like Keyboard Backlight, Ambient Light Sensor and so on.

You can launch **Smart Settings** by clicking on the icon  in the system notification area.

✎ **NOTE:** You can enable multiple modes at the same time.

## Smart Setting Modes

- Presentation Mode — optimized settings for connecting an external display like projectors.

- Video Mode — optimized settings for playing multi-media files stored in the computer or through the CD/DVD player.

- Outdoor Mode — optimized display settings for outdoor use.

- Airplane Mode — switches off all the wireless devices like Bluetooth, WWAN card, WPAN card and so on.

  ✎ **NOTE:** If the **Turn Off Wi-Fi Radio** check box is not selected, the Wi-Fi card is still enabled in the Airplane Mode.

## Editing Smart Settings Modes

Click **Edit** next to the mode that you want to edit. Turn on  or off  the features as needed.

✎ **NOTE:** You cannot edit the **Airplane mode**.

## Smart Settings Mode Options

The following table describes the menu options for editing the **Smart Setting** modes.

✎ **NOTE:** Available options vary depending on your computer's configuration.

✎ **NOTE:** The *Turn On Ambient Light Sensor* may not be seen if the Ambient Light Sensor is either disabled or not present in the Control Panel. To enable the Ambient Light Sensor, open **Control Panel** → **All Control Panel Items** → **Location and Other Sensors**.

| Outdoor Mode | | |
|---|---|---|
| **Option** | **Default State** | **Description** |
| Turn Off Display Power Saving | On | If on, the display will be prevented from dimming, activating the screensaver, and turning off the display after a duration of inactivity specified by the computer's current power plan. |
| Disable Keyboard | On | If on, the keyboard's backlight is turned on. |

| Lights | | |
|--------|--|--|

**Presentation Mode**

| Option | Default State | Description |
|--------|---------------|-------------|
| Turn Off Display Power Saving | On | If on, the display will be prevented from dimming, activating the screensaver, and turning off the display after a duration of inactivity specified by the computer's current power plan. |
| Maximize Screen Refresh Rate | On | If on, the screen is set to maximum refresh rate. |
| Disable Indexing | On | If on, the indexing feature of the operating system is turned off. |
| Disable Office Alarms | On | If on, any alarms or pop-up messages from Microsoft Office programs like Microsoft Outlook, and Office Communicator is blocked. |
| Disable System Notifications | On | If on, any alarms, pop-up balloon text, or notifications from the system notification area is blocked. |

**Video Mode**

| Option | Default State | Description |
|--------|---------------|-------------|
| Turn Off Display Power Saving | On | If on, the display will be prevented from dimming, activating the screensaver, and turning off the display after a duration of inactivity specified by the computer's current power plan. |
| Maximize Screen Refresh rate | On | If on, the screen is set to maximum refresh rate. |
| Disable Indexing | On | If on, the indexing feature of the operating system is turned off. |
| Disable Office Alarms | On | If on, any alarms or pop-up messages from Microsoft Office programs like Microsoft Outlook, and Office Communicator is blocked. |
| Disable System Notifications | On | If on, any alarms, pop-up balloon text, or notifications from the system notification area is blocked. |

**Airplane Mode**

| Option | Default State | Description |
|--------|---------------|-------------|
| Airplane Mode | Off | If on, switches off all the wireless devices like Bluetooth, WWAN card, WPAN card and so on, except for the Wi-Fi card on your computer. |

**Disable Wi-Fi Radio Mode**

| Option | Default State | Description |
|--------|---------------|-------------|
| Disable Wi-Fi Radio Mode | Off | If on, switches off the Wi-Fi card on your computer. |

# Dell Touch Panel

The following section describes the different features of Dell Touch Panel.

## Launching the Dell Touch Panel

Click (mouse) or press (touch/stylus) on the docked icon on the left edge of your screen, to launch the Dell Touch Panel application. Select the feature to see further options.

## Dell Touch Panel Options

| Touch Input Mode | You can select the following methods of input | |
|---|---|---|
| | | Automatic |
| | | Stylus only |
| | | Touch only |
| | | Both stylus and touch |
| Display Brightness | | Increase or decrease the screen brightness. |
| Volume | | Increase or decrease the volume. |
| Display Orientation | Allows you to change or lock the screen's orientation. | |
| | | Auto - The *Auto* option is enabled by default, this allows the screen to rotate such that the **Start** button is always at the bottom if the entire tablet computer is rotated. |
| | | Landscape - The screen is locked in the landscape orientation. |
| | | Portrait - The screen is locked in the portrait orientation. |
| | | Inverse Portrait - The screen is locked in the inverse portrait orientation. |
| Power Options | Allows you to *Shutdown* , *Restart* , enter *Sleep* state, *Hibernate* , or *Lock* the tablet computer. | |
| Settings | | |
| Stylus Removal Indicator | The LED indicator will turn on whenever your remove the stylus from the cradle, it will turn off once the stylus is returned to the cradle. | |
| Wakeup on | The computer will come out of the *Sleep* state when you remove the stylus from the cradle. | |

| | |
|---|---|
| Stylus Removal | |
| Disable Tablet Hardware buttons | ▭ The physical buttons on the tablet computer will be disabled. |
| Wi-Fi | [wifi] Enable or disable the Wi-Fi card on your tablet computer. |
| Airplane Mode | ✈ If enabled, all the wireless devices like Bluetooth, WWAN card, WPAN card and so on, on your tablet computer is turned off except for the Wi-Fi card. |

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