Dell S2422HZ/S2722DZ
Video Conferencing Monitor
Dell Display Manager
User's Guide

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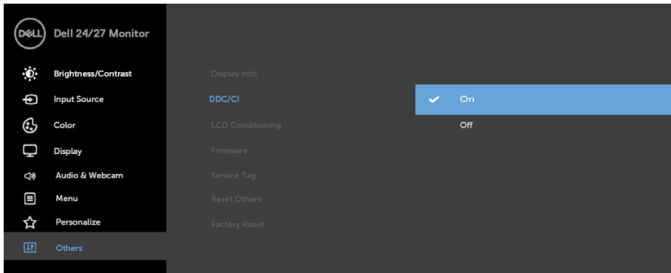
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Overview

Dell Display Manager is a Microsoft Windows application used to manage a monitor or a group of monitors. enables you to manually adjust the displayed image, assign automatic settings, energy management, window organization, image rotation, and other features on selected Dell monitors. After installation, Dell Display Manager runs each time when the computer starts and places its icon in the notification tray. For more information about monitors connected to the computer, move the pointer over the notification-tray icon.
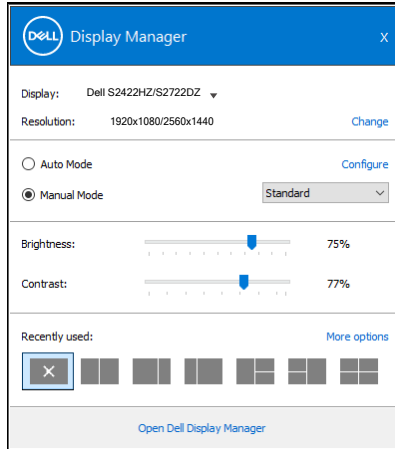

![NOTE icon] **NOTE: Dell Display Manager uses DDC/CI channel to communicate with your monitor. Ensure DDC/CI is enabled in the menu as shown in the following image.**

Using the Quick Settings dialog box

Click the Dell Display Manager's notification tray icon. The **Quick Settings** dialog box is displayed. When more than one supported Dell monitor is connected to the computer, a specific target monitor can be selected using the menu. The **Quick Settings** dialog box enables you to easily adjust the brightness, contrast, resolution, window layout, and so on. It also enables you to switch between preset modes automatically or to select a preset mode manually.
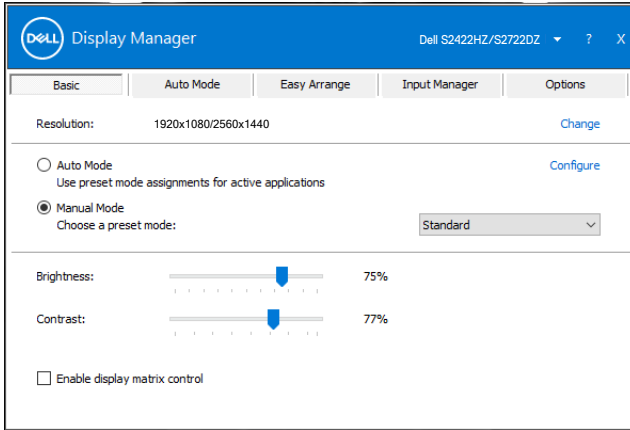

The **Quick Settings** dialog box also provides access to Dell Display Manager's advanced user interface (UI) that is used to adjust basic functions, configure auto mode, and access other features.

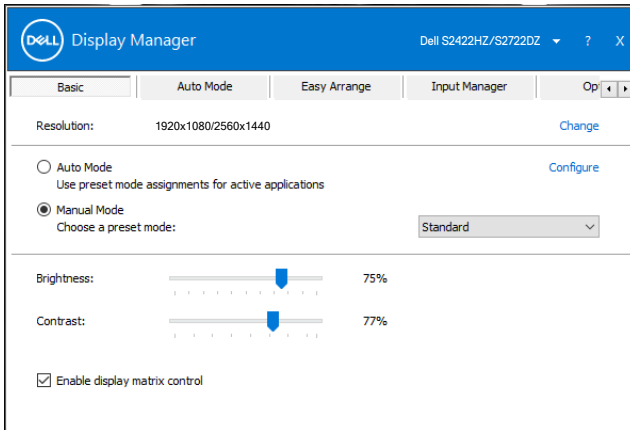| Feature	Function	Description
Quick DDM access	Shortcut key to open DDM UI	Ctrl+Shift+D
	Control individual display in multiple display setup	• Select the monitor from the drop-down list. If more than one monitor is connected to your computer, an icon appears on the selected monitor for a second to indicate which monitor you have selected. • Perform monitor self-test feature check. • Move DDM UI to the monitor to be controlled. • Press Ctrl+Shift+D to open the miniUI under the mouse pointer.

Setting basic display functions

You can select **Manual Mode** that enables you to manually select a preset mode or select **Auto Mode** that applies a preset mode based on the active application. An on-screen message displays the current preset mode whenever it changes. The selected display's **Brightness** and **Contrast** can also be directly adjusted from the **Basic** tab.

NOTE: When multiple Dell monitors are connected, select Enable display matrix control to apply brightness, contrast, and color presets controls to all monitors.
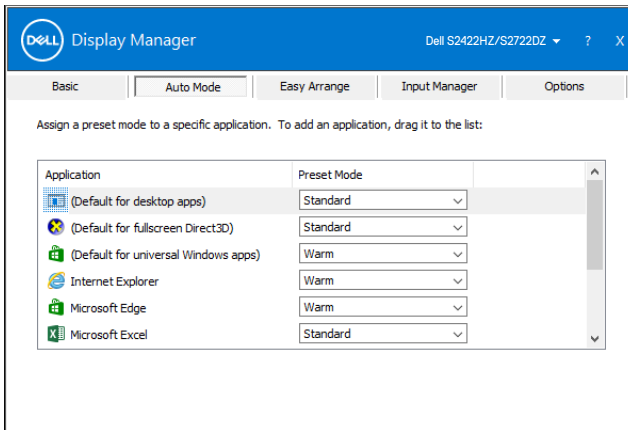
Assigning Preset Modes to applications

The **Auto Mode** tab enables you to select a specific **Preset Mode** with a specific application, and apply it automatically. When **Auto Mode** is enabled, Dell Display Manager automatically switches to the corresponding **Preset Mode** whenever the selected application is activated. The **Preset Mode** assigned to a particular application may be the same on each connected monitor, or it can vary from one monitor to another.

Dell Display Manager is pre-configured for many popular applications. To add a new application to the **Application** list, drag the application from the desktop, Windows Start Menu, or elsewhere, and drop it onto the current list.
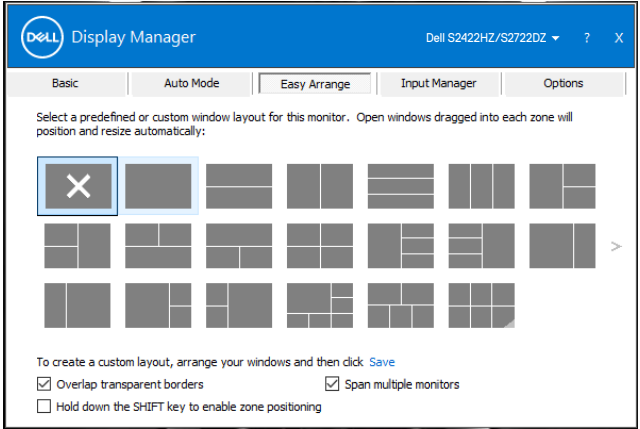
> ![note icon] **NOTE: Preset Mode assignments for batch files, scripts, loaders, and non-executable files such as zip archives or packed files, are not supported.**

You can also configure the game preset mode to be used whenever a Direct3D application runs in full-screen mode. To prevent an application from using mode, assign a different preset mode to it.
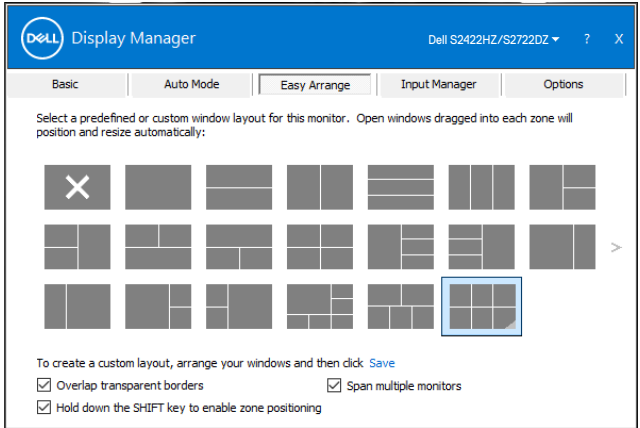
Organizing Windows with Easy Arrange

Easy Arrange helps you to effectively organize your application windows on the desktop. Choose a pre-defined layout pattern, which suits your work, then drag the application windows into the defined zones. Press **>** or use Page Up or Page Down key to find more layouts. To create a custom layout, arrange the open windows, and then click **Save**.
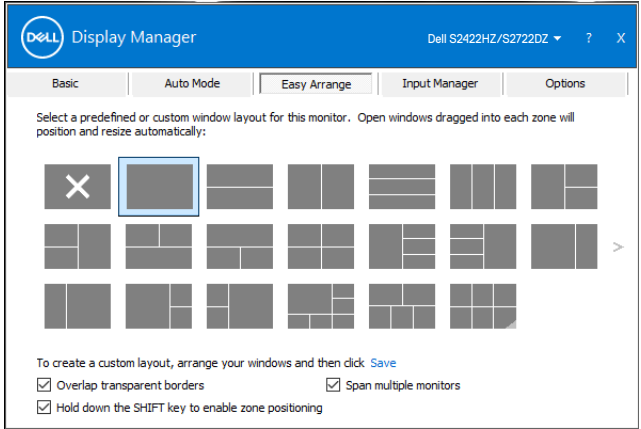

For Windows 10, you can apply different window layouts for each of the virtual desktops.

If you often use Windows snap feature, select **Hold down the SHIFT key to enable zone positioning**. This feature gives Windows snap priority over **Easy Arrange**. You can hold down the Shift key to use **Easy Arrange** positioning.

If you are using multiple similar monitors in an array or matrix, **Easy Arrange** layout can be applied across to all the monitors as one desktop. Select **Span multiple monitors** to enable this feature. You must align your monitors properly to make it effective.

The following table describes the addtional features of **Easy Arrange**.

Feature	Function	Description
Enhanced **Easy Arrange**	Custom layouts	• Save and name five customized **Easy Arrange** patterns. • Configure x*y patterns.
	Six Most Recently Used (MRU) layouts	Press Ctrl+Shift+Home to toggle between the last six MRU layouts.
	On the fly partition resizing	• Press the Ctrl key while resizing the current **Easy Arrange** layout to adjust the size and number of cells in a layout. • Newly formed **Easy Arrange** pattern is saved into the **Easy Arrange** icon position. • Press the Ctrl key while clicking on a modified layout icon to restore it to the default layout.
	Easy Arrange layouts for portrait mode	Portrait mode **Easy Arrange** icons are displayed- when monitor is rotated.

NOTE: **An application may require a minimum effective resolution for its application window. Such application may not fit in an Easy Arrange zone if the zone is smaller than the required window size.**
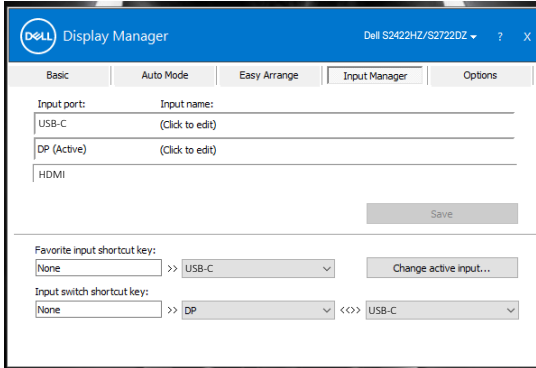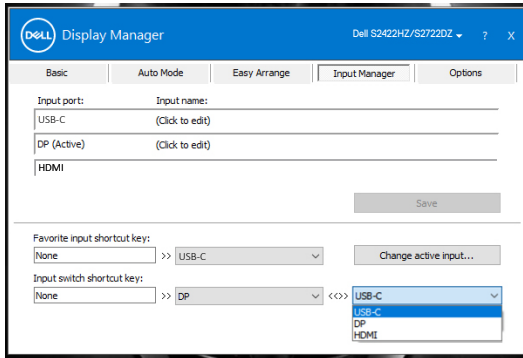
Managing multiple video inputs

The **Input Manager** tab provides convenient ways to manage multiple video inputs connected to your Dell monitor. It enables you to easily switch between inputs while you are working with multiple computers.

All video input ports available on your monitor are listed. Name each input as per your requirement and save changes after editing.

You can define a shortcut key to quickly switch to your favorite input and another shortcut key to quickly switch between two inputs if you often work between them.

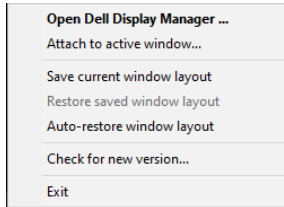You can use the drop-down list to switch to any input source.

NOTE: Dell Display Manager communicates with your monitor even when the monitor is displaying video from another computer. You can install DDM on the computer you frequently use and control input switching from it. You can also install DDM on other computers connected to the monitor.
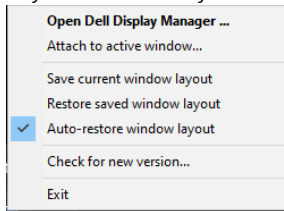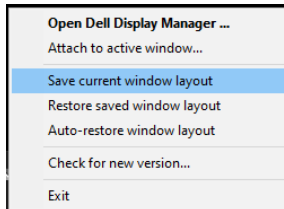
Restoring application positions

DDM can help you restore application windows into their positions when you reconnect your computer to the monitor(s). Right-click the DDM icon on the notification tray to quickly access this feature.

```
Open Dell Display Manager ...
Attach to active window...

Save current window layout
Restore saved window layout
Auto-restore window layout

Check for new version...

Exit
```

If you select **Auto-restore window layout**, your application windows' positions are tracked and remembered by DDM. DDM automatically puts the application windows into their original positions when you reconnect your computer to your monitor(s).

```
Open Dell Display Manager ...
Attach to active window...

Save current window layout
Restore saved window layout
✓  Auto-restore window layout

Check for new version...

Exit
```

To go back to a favorite layout, select **Save current window layout**, and then **Restore saved window layout**.

```
Open Dell Display Manager ...
Attach to active window...

Save current window layout
Restore saved window layout
Auto-restore window layout

Check for new version...

Exit
```

You can use monitors with different models or resolutions in your daily routine, and you can apply different window layouts on them. DDM recognizes the monitor you have reconnected and restores the application positions accordingly.
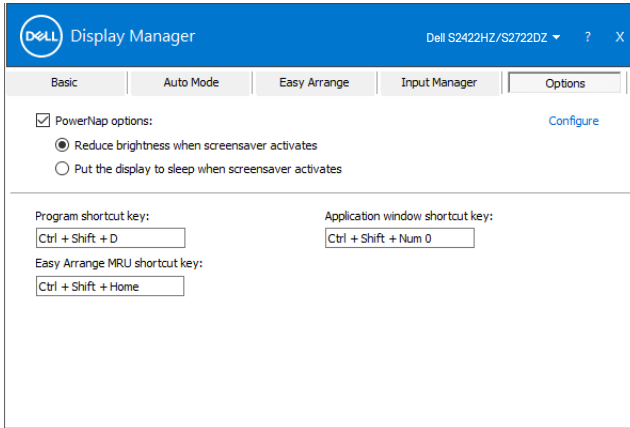
If you want to replace a monitor in a monitor matrix configuration, you can save the window layout before replacement and restore the layout after a new display is installed.

📝 **NOTE: You must keep your applications running to use this feature. DDM does not launch applications.**
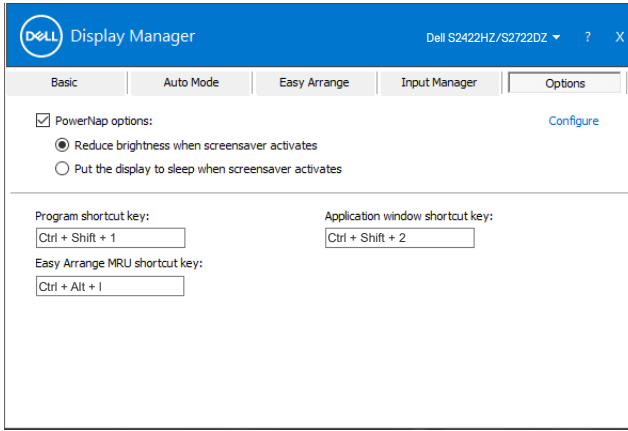
Applying energy conservation features

The **Options** tab on supported Dell models provide PowerNap energy conservation options. You can set the brightness to the minimum level, or put the display to sleep when the screensaver is activated.

Defining shortcut keys

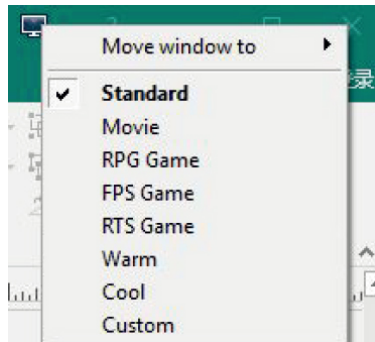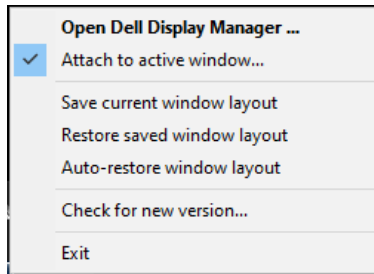You can define the shortcut keys for quick access to the following DDM functions:

- ◆ **Program shortcut key:** To quickly open the **Quick Settings** dialog box.
- ◆ **Easy Arrange MRU shortcut key:** To quickly apply six recently used window layouts.
- ◆ **Application window shortcut key:** To launch a quick menu for options under **Auto Mode** and **Easy Arrange**.
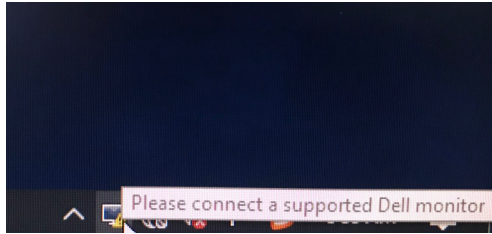
Attaching DDM to active window (Windows 10 only)

DDM icon can be attached to an active window you are working on. Click the icon for easy access to the following features.

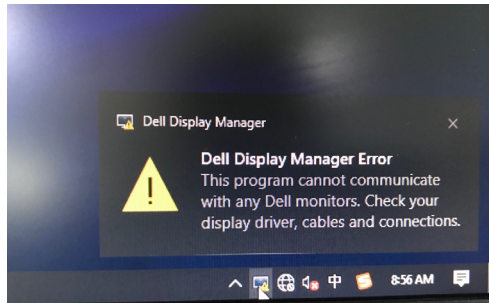| Feature	Function	Description
Attach DDM to active window (Windows 10 only)	Change preset or snap to different partitions	DDM icon can be attached to an active window and you can easily switch the window position, change color preset mode, and assign auto preset mode.
	Shortcut key trigger	On a running application window, press Ctrl+Shift+Insert to trigger the attached DDM menu.
	Move app window among **Easy Arrange** cells	Send the app window to previous/next **Easy Arrange** cell.
	Move application-window among monitors	Send the application window to previous or next monitor.

Troubleshooting

If DDM does not work with your monitor, the following icon is displayed in the notification tray.

Click the icon; DDM shows a more detailed error message.

NOTE: DDM works only with Dell-branded monitors. Dell Display Manager does not support monitors from any other manufacturer.

If DDM is unable to detect and/or communicate with a supported Dell monitor, perform the following:

1. Ensure that the video cable is properly connected to your monitor and your computer. The connectors must be firmly inserted into position.
2. Check the monitor OSD to ensure DDC/CI is enabled.
3. Ensure that you have the correct and latest Graphics driver from the graphics vendor (Intel, AMD, NVidia, and so on). Graphics driver is often the cause of DDM failure.
4. Remove any docking stations, cable extenders, or converters between the monitor and the graphics port. Some low-cost extenders, hubs, or converters may not support DDC/CI properly and can fail DDM. Update the driver to the latest version available.
5. Restart your computer.

DDM might not work with the following monitors:

- Dell monitor models earlier than year 2013 and D-series of Dell monitors. For more information, see https://www.dell.com/support/monitors.
- Gaming monitors using Nvidia-based G-sync technology.
- Virtual and wireless monitors do not support DDC/CI.
- Some early models of DP 1.2 monitors. It may be necessary to disable MST/DP 1.2 using the display OSD.

If your computer is connected to the Internet, you are prompted to upgrade to a newer version of DDM when it is available. It is recommended to download and install the latest DDM application.

Right-click the DDM icon to check the latest DDM version.

Open Dell Display Manager ...
Attach to active window...
Save current window layout
Restore saved window layout
Auto-restore window layout
Check for new version...
Exit