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Set Up NVIDIA Mosaic with Multiple Monitors

This document explains how to set up NVIDIA Mosaic graphics cards with multiple monitors and Infocaster™ 4.4 or later.

WARNING

NVIDIA Mosaic refuses to allow mixed display connections in a display group. For example, you cannot use DisplayPort to VGA and DisplayPort to DVI together to create a Mosaic display group.

Set Up Instructions

1. Physically install the NVIDIA Mosaic capable graphics card(s). Supported graphics cards are detailed in this document from NVIDIA:
   http://www.nvidia.ca/docs/IO/40049/NVMosaic_UG_v03.pdf
2. Connect one display to the graphics card. If you are using two or more graphics cards, connect a display to the first card.
3. Install the latest graphics card driver from the NVIDIA website:
   **Note:** Only install the Display Driver, HD Audio Driver, and nView. The other components are unnecessary.
4. Connect as many displays as required for the display group.
5. Open the NVIDIA Control Panel.
6. Below the Workstation section in the left panel, click Set Up Mosaic.
7. Click the Enable Mosaic checkbox.
8. In the list below the Displays heading, select the checkboxes for the displays you wish to use for the display group.

![Image of Display selection interface]

9. In the list below the Configuration heading, select a display configuration topology.

![Image of Configuration selection interface]

10. Arrange the displays in a logical order by clicking and dragging the displays in the dark gray area.

![Image of display arrangement interface]
Bezel Correction

The NVIDIA Bezel Correction feature compensates for monitor bezel widths, creating a fully-aligned image across multiple displays.

1. Open the NVIDIA Control Panel.
2. Beneath the Workstation section in the left panel, click Set Up Mosaic.
3. In the dark gray area, click the Bezel Correction button.

4. Use the settings in the window to adjust the bezel size for your displays.
By default, changing these settings will adjust the bezel size for all displays at the same time. If you need to create custom sizes for each edge, select Bezel Correction for Each Edge (Row/Column) from the drop-down list. You can select individual edges and enter the appropriate bezel widths.

Infocaster 4.4 Set Up

The following steps describe setting up Infocaster version 4.4 or later to work with your Mosaic configuration.

1. Open the Infocaster Configuration Utility.
2. Switch to the Video/Audio Standard tab.
3. Select Fullscreen (DS500/DS550 Only) from the Select Output Device drop-down list.
4. Select Custom... from the Resolution drop-down list.

The Custom Resolution window opens.

5. Enter the total resolution for all your monitors. For example, four 1080p monitors in a 1x4 display wall has a resolution of 7680x1080.

6. Click OK to exit the Custom Resolution window.

7. Click the Refresh button to apply your new settings.

8. Click OK to exit the Configuration Utility and apply your settings. Infocaster’s output should correctly display across the multiple monitors.