Tile Matrix - How to configure NEC LCD Displays

When installing a video wall, it is common to take a single image and stretch it over multiple displays. This is what NEC’s Tile Matrix software accomplishes. Using NEC’s Tile Matrix software, a single image is divided up between multiple screens - each showing a part of the image. For example - if you use NEC’s Tile Matrix software to display a single 1920x1080 image over a 2x2 video wall, each display will show a 960x540 portion of the image. The NEC Tile Matrix software is built into the NEC displays and configured using the remote control and the on screen menu. You can configure any size of video wall using this method from a 1x2 video wall all the way up to a 10x10 video wall.

*This ‘How To’ guide assumes that the video wall is already installed, connected properly and powered on, ready to configure. *This ‘How To’ guide demonstrates a 2x2 set up - but set up is very similar regardless of number of screens.
Required Tools

- NEC Display Remote Control

Step 1

1. Make sure the exact same image is being displayed on all displays
2. If it is not - stop here. Contact Rise Display.
3. Proceed when all displays are showing the same image.

Step 2

1. Using the NEC Remote, press the MENU button while pointing the remote at display you are setting up. This will bring up the on screen Menu
Step 3

1. Select the MULTI DISPLAY option and then select TILE MATRIX

Step 4

1. When you press the + button on the remote to enter into TILE MATRIX configuration menu, you will see the factory default settings.
2. This is true the first time you enter the menu on each display.
Step 5

1. Start with the upper left display.
2. Change H Monitors to the number of Horizontal Monitors in your display (for our example, we are setting up a 2x2 video wall, so the value to select for H Monitors is 2)
3. Change V Monitors to the number of Vertical Monitors in your display (for our example, we are setting up a 2x2 video wall, so the value to select for V Monitors is 2)
4. Change Position to 1 - Upper left display is position 1
5. Leave Tile Comp on NO
6. Change Enable to YES

Step 6

1. Repeat steps 3-5 for each display but giving each display its own unique position
   a. Upper right is display (position) 2
   b. Lower left is display (position) 3
   c. Lower right is display (position) 4
Step 7

1. If setting up Tile Matrix for another size video wall, remember that numbering starts with the upper left display and moves horizontally, then returns to the next row, left side and continues - up to a 10x10 Matrix.