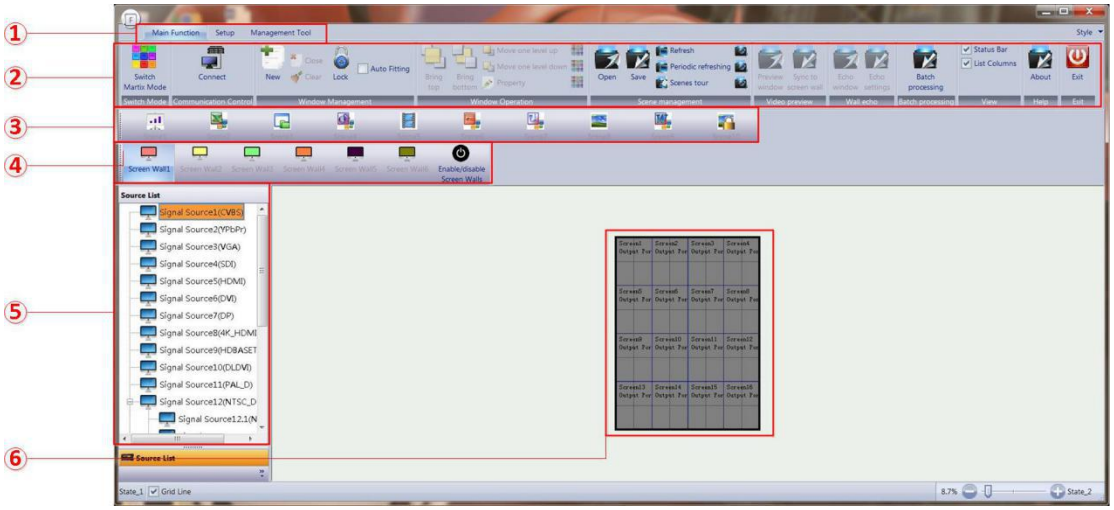
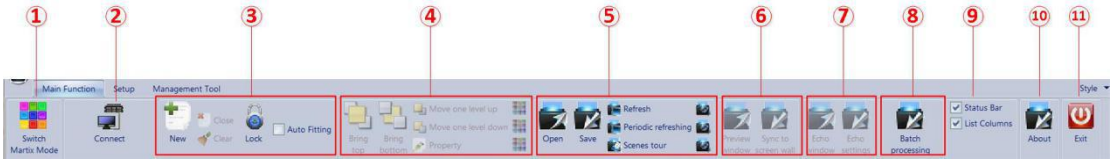
MH2 Splicing Processor Operation

1. Homepage



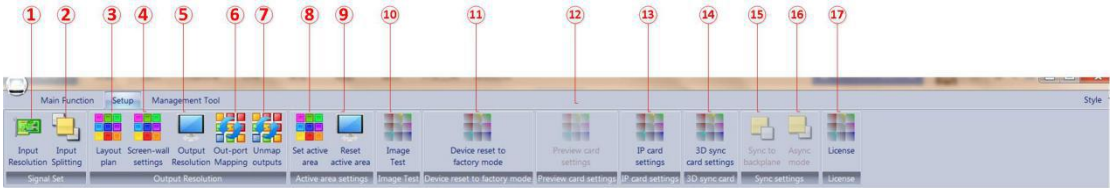
1	**Main Function** Select subsidiary content
2	**Sub - menu Functions Select** Parameters and functions setting
3	**Bank Saving** Load the bank: load the setting banks
4	**Video Wall Setting** Individual control different video wall banks
5	**Input Source** Select the input source, show the source details
6	**Output Layout** According to the screen layout to design the different output layout

2. Main Menu Bar Description



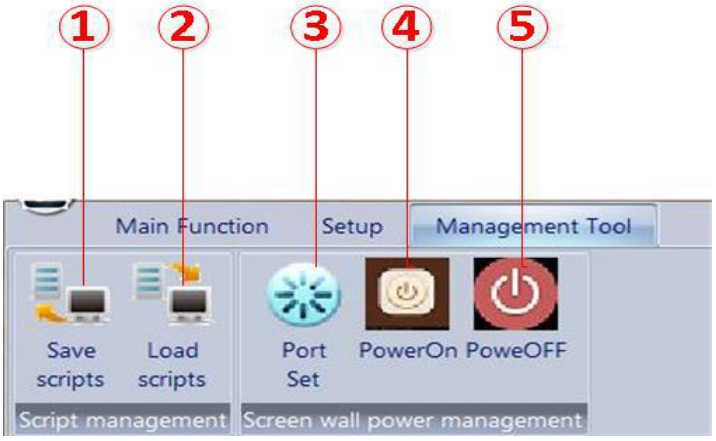
1	**Switch Matrix Mode** Turn the device to matrix mode
2	**Connect** Connect with LAN cable or serial cable to connect the device, the default IP:192.168.1.200
3	**Windows Management** New: Build a new window, or the window can be drag on the monitor directly. Close: close the window Clear: clear all the windows Lock: lock the selected window
4	**Window Operation** Layers on the windows can be brought up or down or moved the layer's level up or down
5	**Save and Load** Open：Load one bank（less than 10 of the scene can directly load by the shortcut.） Save：Save the present setting Refresh：Refresh the scene, periodic refreshing, scene tour Edited：Edited the scene or content name Load：Load the saving scene（read the scene after replacing the PC）
6	**Video Preview** Need to select IP input card to preview the windows
7	**Wall Echo** Need to select IP input card to check the preview image online
8	**Batch Processing** Batch processing the script files
9	**View** Status Bar and List Columns open or close
10	**About** Device information or software version
11	**Exit** Exit the control software

3. Menu List Introduction

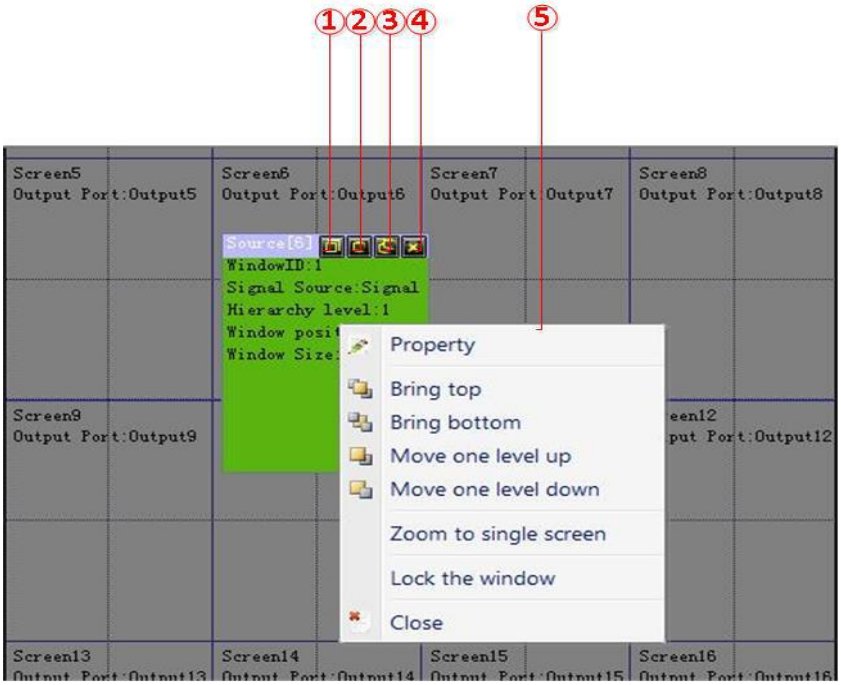


1	**Input Setting** Rewrite the EDID, PC will recognize the nonstandard resolution
2	**Input Splitting** Crop the input signal
3	**Layout Plan** Setting the layout and output parameters
4	**Screen-wall Setting** Setting the video wall location individually
5	**Output Setting** Setting the output resolution and added the new customized resolution
6	**Out-port Mapping** Exchange the output port to any location（output port swag）
7	**Unmap Outputs** Reset all the output port
8	**Set Active Area** Limited the output window active area
9	**Reset Active Area** Cancel the active area
10	**Image Test** Test the different output test pattern
11	**Device Reset to Factory Mode** Reset device inputs, outputs and control
12	**Preview Card Setting** Select IP preview card monitor the output image quality and quantity
13	**IP Card Setting** Select IP input card and setting the IP card parameters
14	**3D Sync Card Setting** Select 3D sync input card, the input card's delay can be setting
15	**Sync to Backplane** Set the Sync mode is sync with backplane
16	**Async Mode** Set the Sync mode to async mode
17	**License** Device working status

4. Management Tools



1	**Save Script** Save the present setting, including layout and resolutions
2	**Load Script** Load the script
3	**Port Set** Setting the serial port parameters
4	**Power On** Turn on the screen
5	**Power Off** Turn off the screen

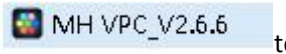


1	**Maximum Unit** Make the layer to maximum unit
2	**Full Screen** Make the layer full screen
3	**Restore** Restore the layer
4	**Close layers** Close the layer
5	**Hide Menu** Right click the layer and select hiding the menu

5. Project Operation

Information: The project with a led screen and the pixel is 11928*1344, using 8 sender cards to realized the point to point display.

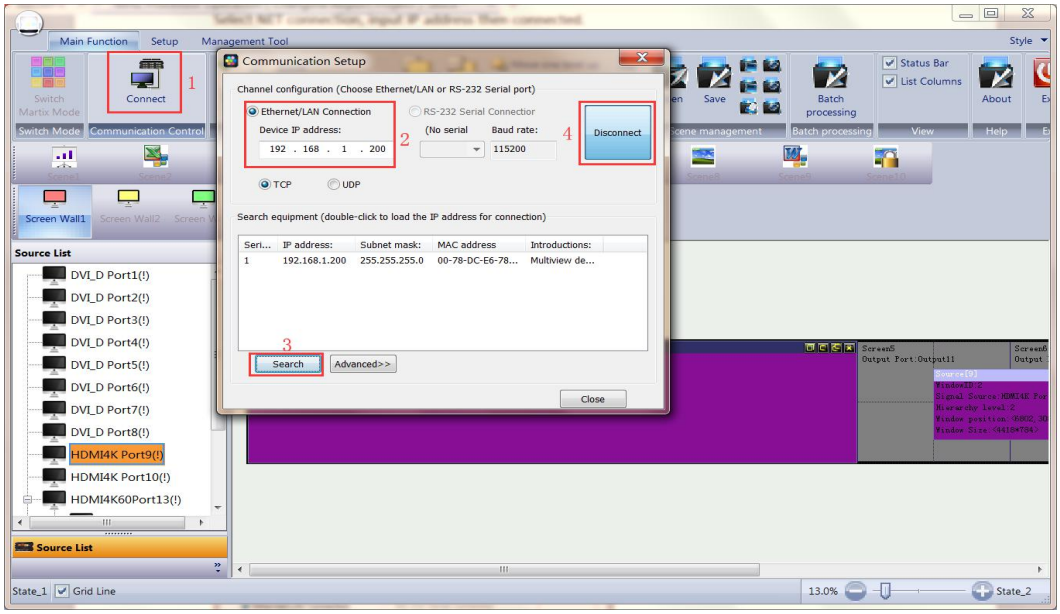
1. Installation and Connection

Copy the MH VPC software 

to PC, double click to install the software. The operation system support: Windows XP, Windows Server 2003, Windows 7/8, Windows Sever2008, Windows 10.

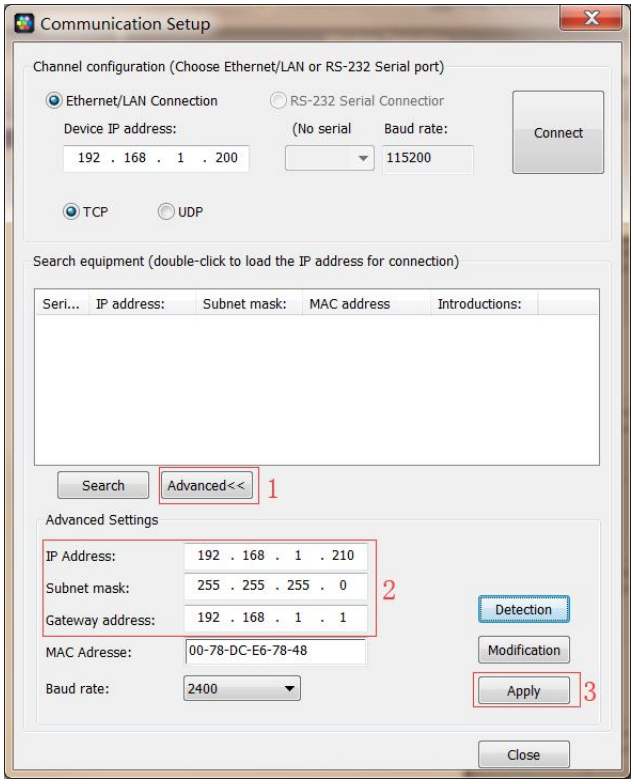
Connection:
Click Login to

Device default IP address: 192.168.1.200; Control PC's IP should be in the same IP segment (Eg. 192.168.1.100)
Select NET connection, input IP address then connected.
Select RS232 serial connection, default baud rate is 115200.



IP address modify

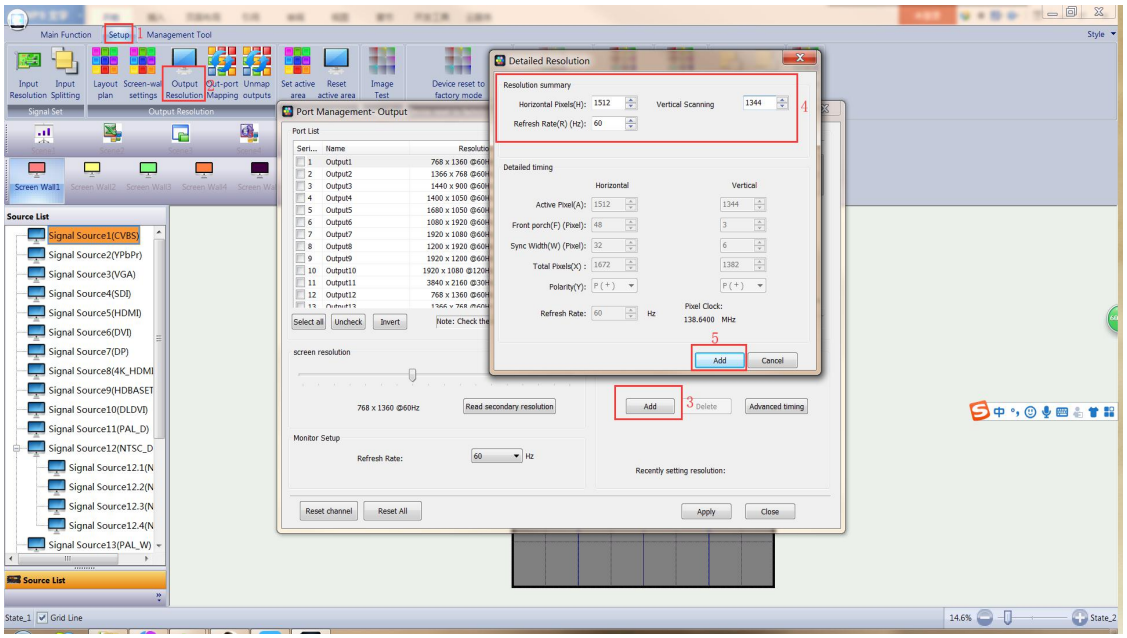
Click advanced, the dialogue box will pop-up. Input the IP address, then click Modify, the new IP will take effect after rebooting the device.



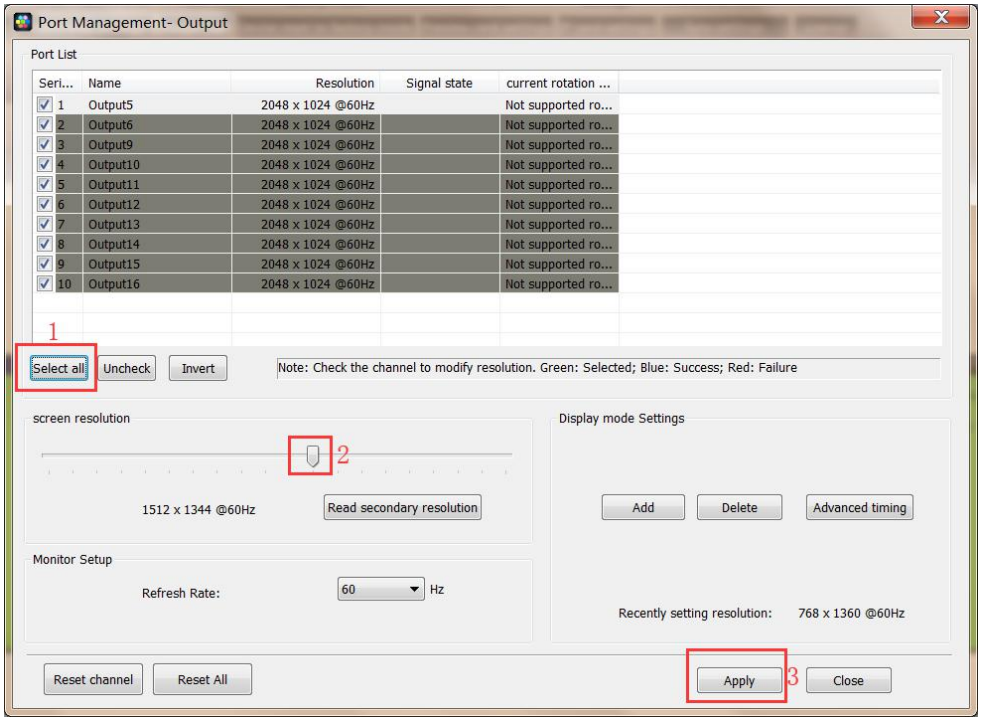
2. Output layout setting

Take a project for example, the screen size is 11928*1344, with 8 sender cards in total, 7 pieces 1512*1344 and one pieces 1344*1344, the parameters setting as following picture.

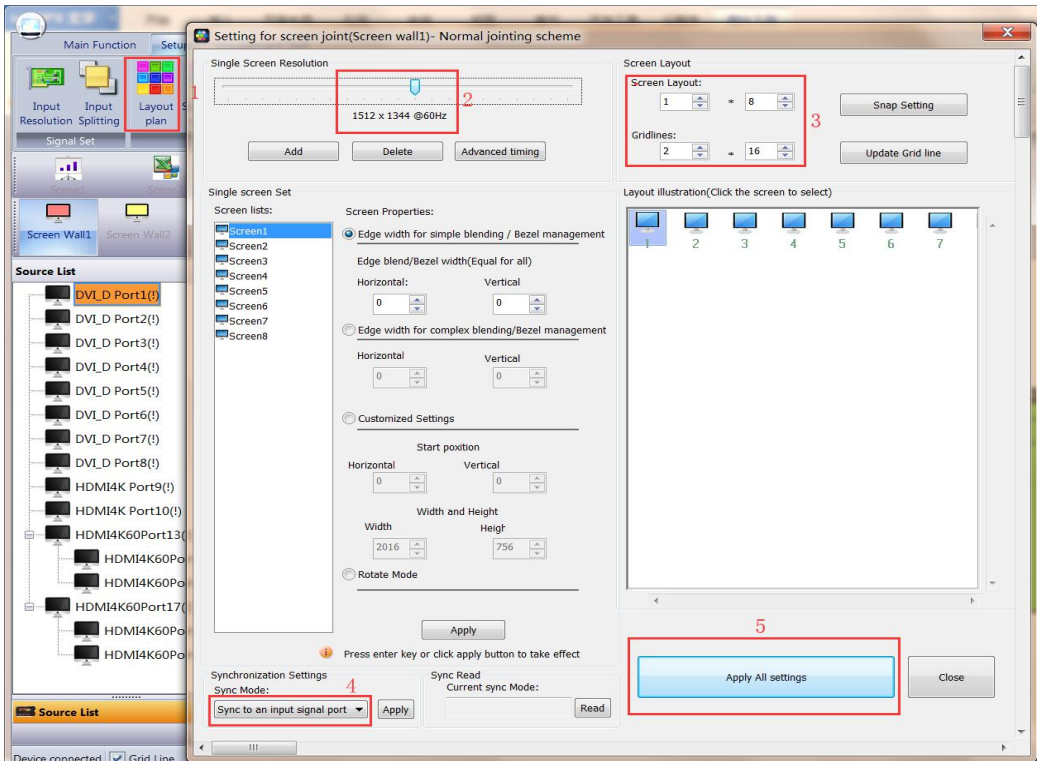
a. Output resolution setting: set the output resolution to 1512*1344 (sender card maximum loaded setting)



b. Select all the output ports, change the resolution to 1512*1344 and add application, the signal status will prompt success.



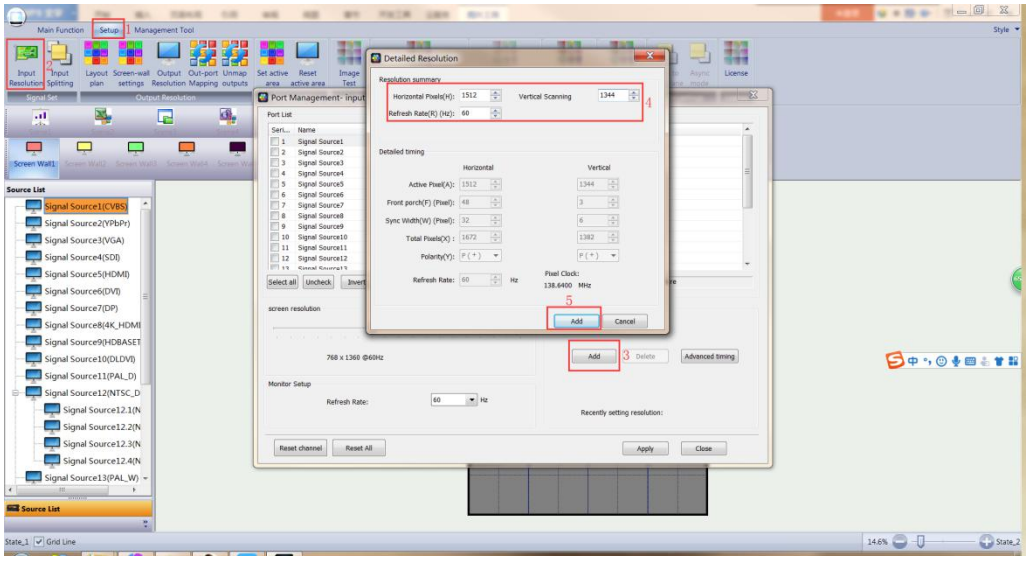
c. Set the output layout, enter the splicing setting and select the resolution as 1512*1344, select the large screen combination as 1*8, align the grid line to 2*16, then select the synchronization mode to synchronize to an input port. After that, select the 4K HDMI interface as the sync source, then applies the splicing settings.



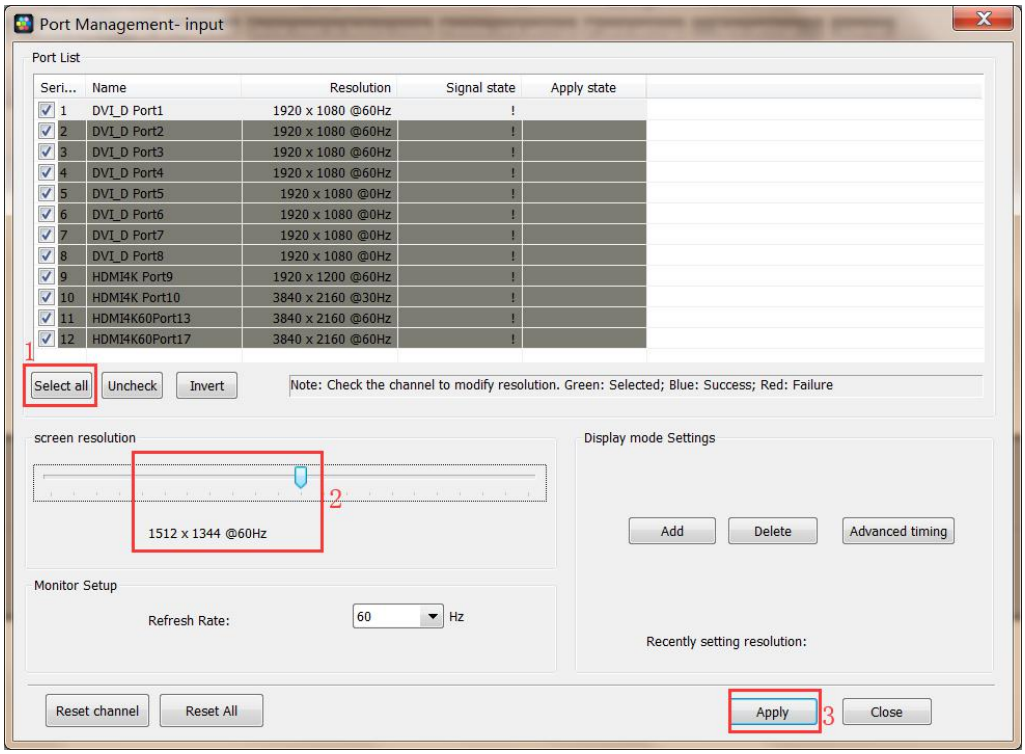
d. The output layout as the following picture shown.

3. EDID Output Setting to Reach the Pixel to Pixel Display

a. Add an output resolution as 1512*1344.



b. Select the input interface(need to change the input resolution) and change the resolution to 1512 * 1344 , then click application(some PC need to re-plug the signal or restart the computer to take effect).



4. Three Ways to Add Signal Source

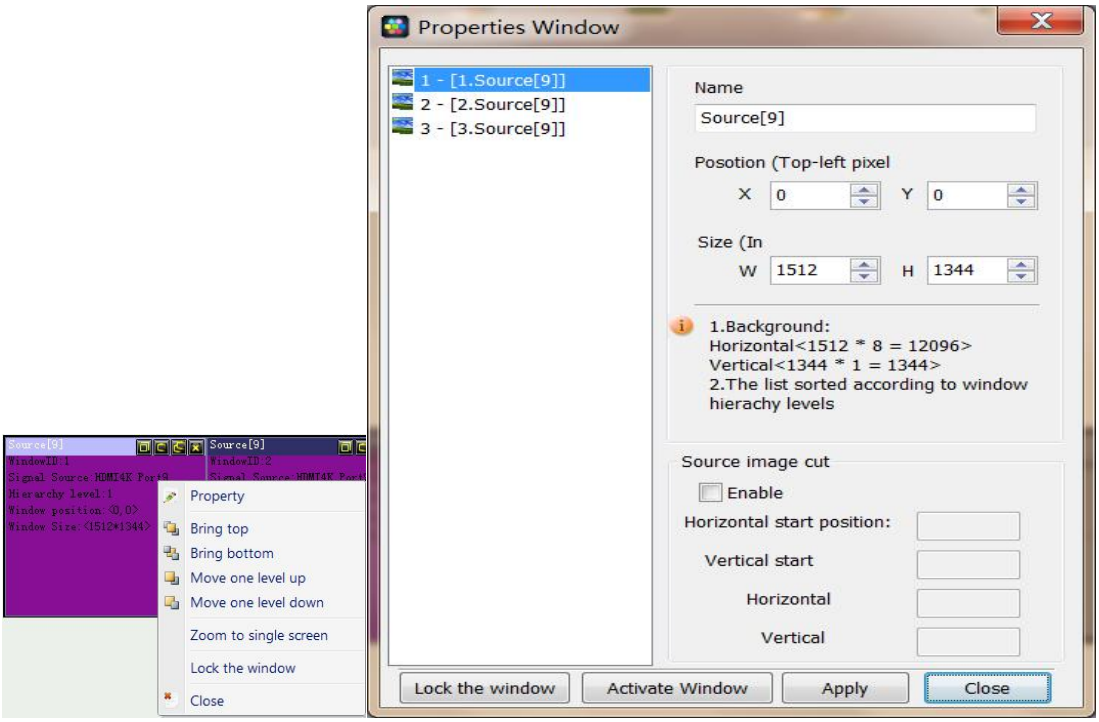
a. In the monitor, left click to drag a signal

b. select the signal source, then drag the signal to the corresponding output port.

c. Click the main function to add new: 

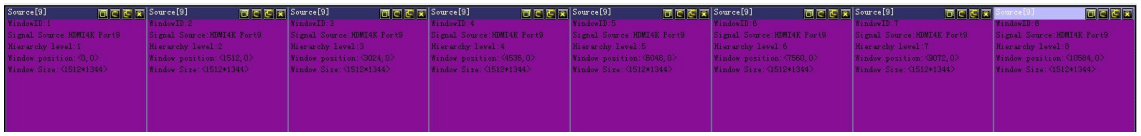
1. According to the project that 8 layers should be added to the screen.

2. The images size and position need to be set, right click to choose property , set all the images parameters to 1512*1344.

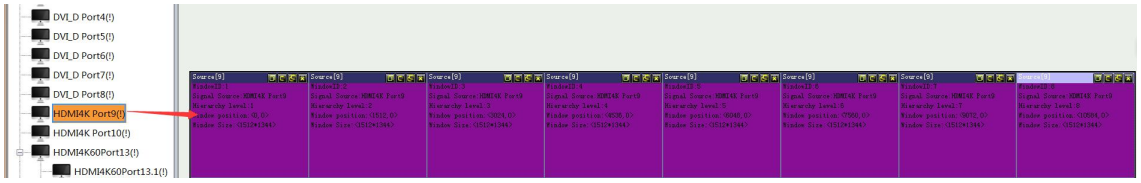


Shortcut: double click the layer to reach the full screen.

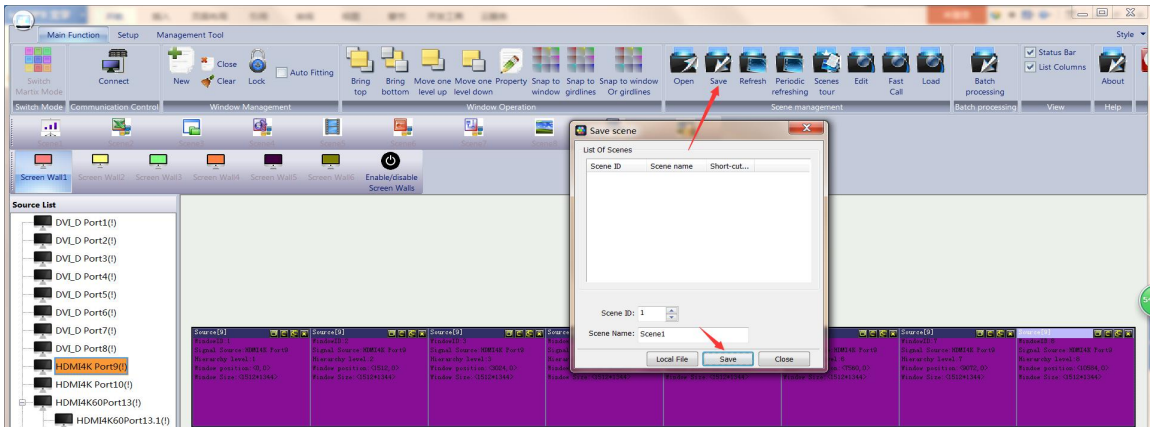
As the following picture shown:



3. Drag the corresponding signal source to the monitor(or choose the monitor, then double click the signal source)



4. Save the setting.



5. If there are some signals or screen size need to be changed, adjust as above and save to other bank.

6. Switch between different banks.