

point-to-point splicer

**USER
MANUAL**

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Control Panel Instructions



HDMI: switch to HDMI input;

DP: switch to DP input;

Description of different chassis:

1. This operating manual is also suitable for small chassis, 1U chassis, and 2U chassis;
2. The remote control and central control code are suitable for two different types of machines at the same time;
3. The difference between the two products lies in the chassis structure and the number of outputs;

Pictures of different chassis:



small case



1U chassis

Infrared remote control and OSD menu instructions



The device can be set by infrared remote control

Menu key: menu key;

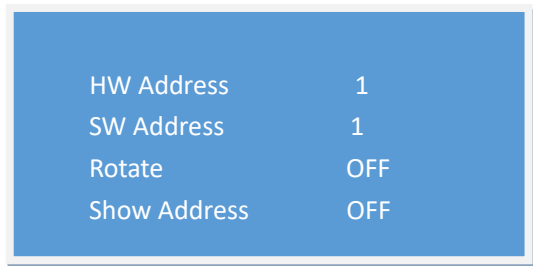
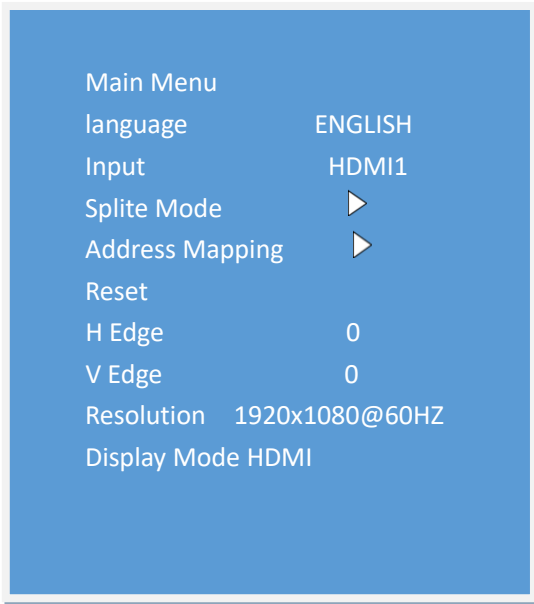
Arrow keys: move up, down, left and right to select;

OK key: confirm key;

Number 1 key: switch to HDMI signal;

Number 2 key: switch to DP signal;

System OSD menu description



Language: Set the menu language

Signal source: switch input signal source

Splicing mode: set NxM splicing

Address mapping: setting mapping, flipping and other functions.

Reset: restore factory settings Software

H Edge: set horizontal seam

V Edge: set vertical seam

Output mode: set output resolution

Display Mode: Set HDMI or DVI mode

Vertical: Number of vertical screens

level: horizontal screen number

HW address: the corresponding address of the output interface

SW address: mapping address

Rotate: set Rotate

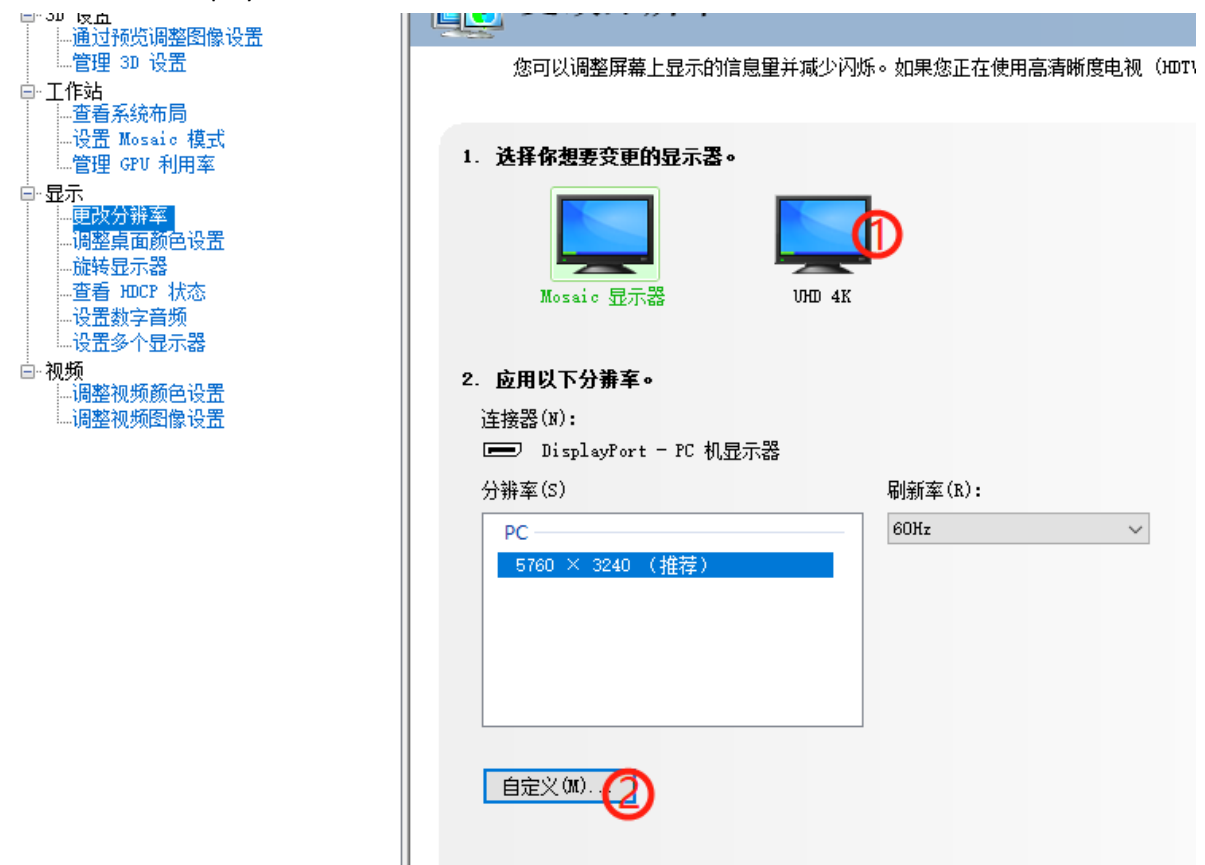
Show Address: address display

Custom resolution settings

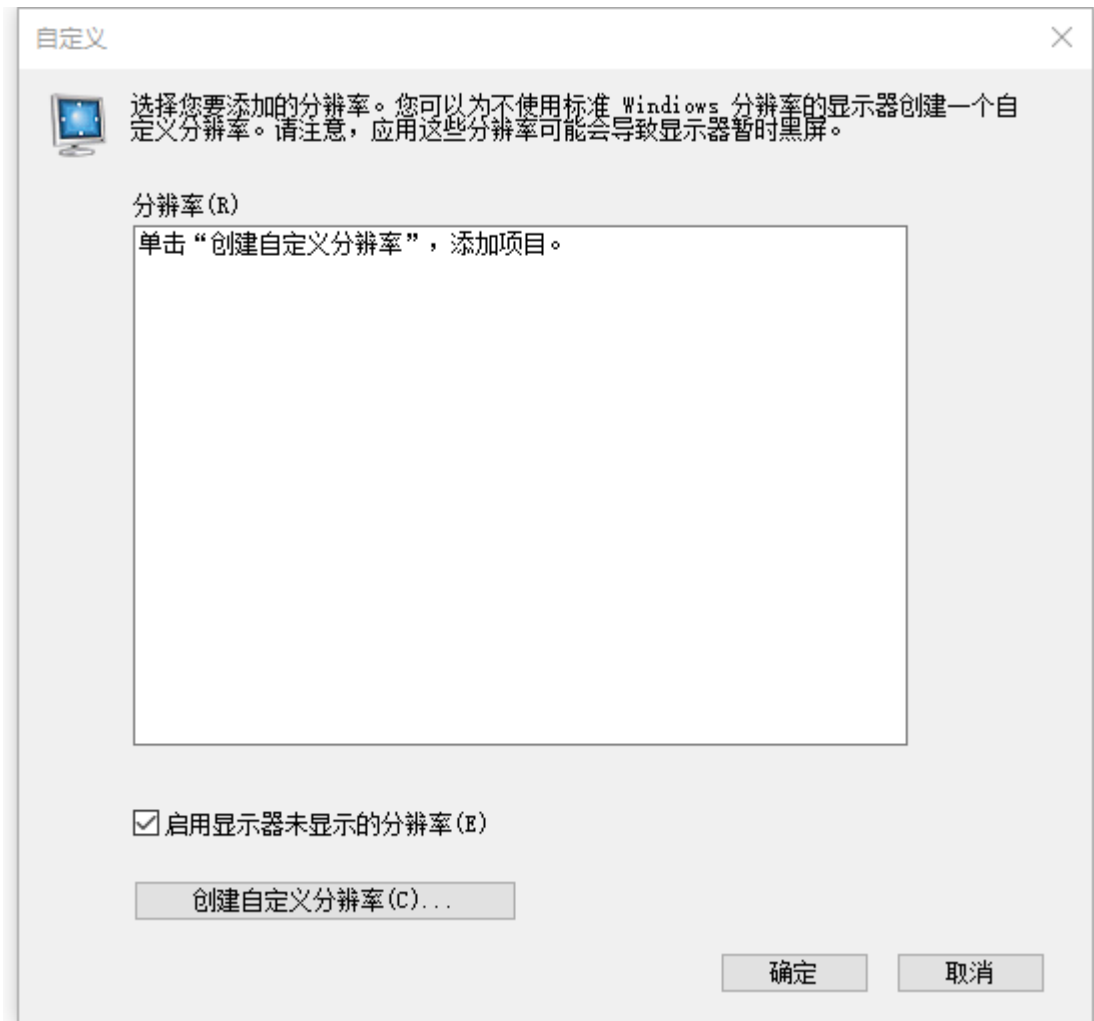
1. Open the NVIDIA Control Panel and select Change Resolution.



2. Select the display and click Customize.



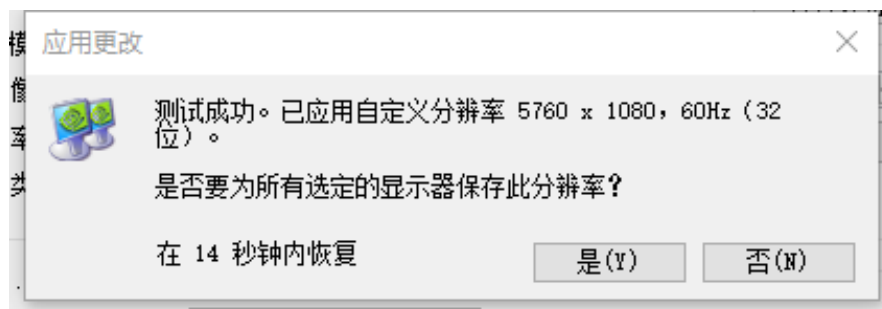
3. Create a custom resolution.



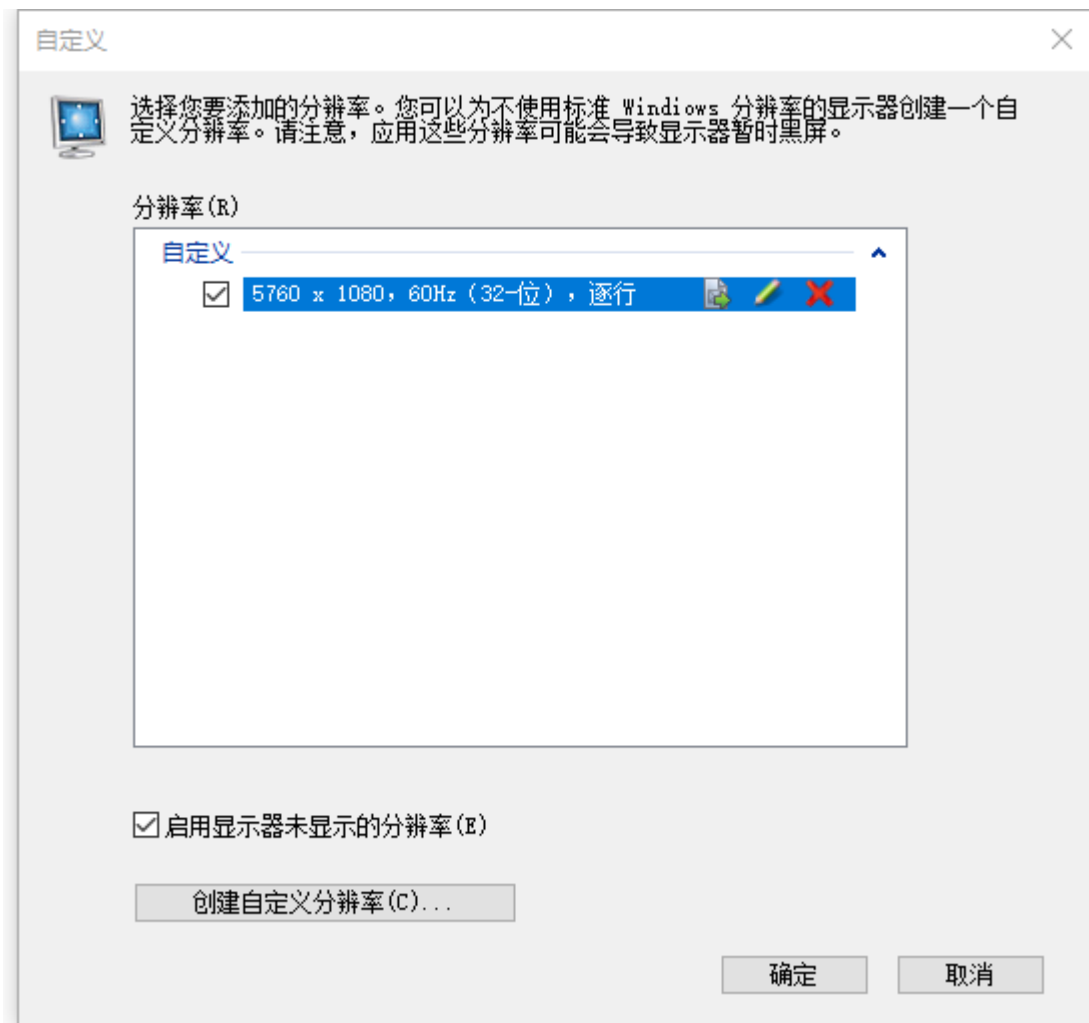
4. Set parameters such as resolution and refresh rate, select CVT standard, and click Test.



5. Click Save.



6. Customize the success resolution.

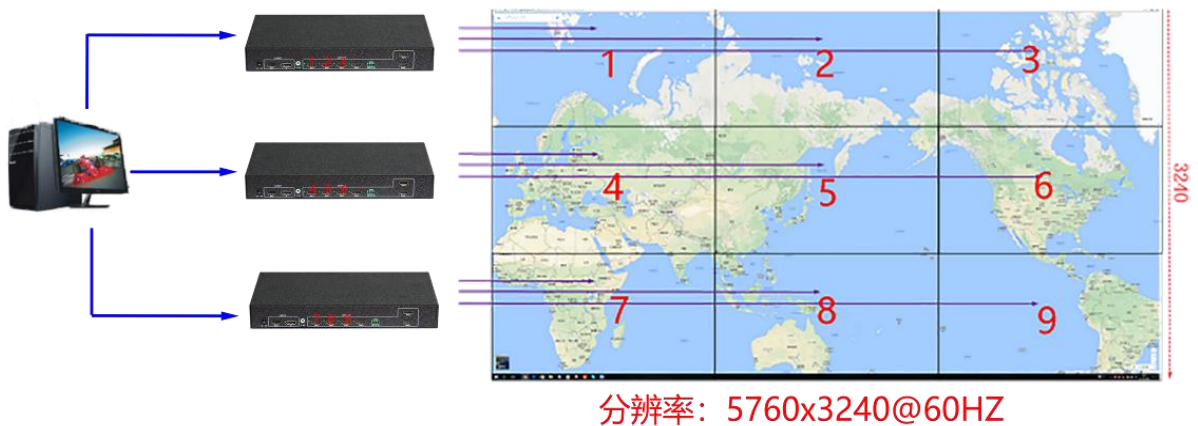


Multiple cascade splicing operation

Example: Set a 3*3 point-to-point splicing picture with a resolution of 5760*3240@60Hz.

Note: The graphics card needs to support the mosaic function, and it is recommended to use the NVIDIA P2000 professional graphics card.

First, you need to use one computer. The input computer requires a multi-screen graphics card with 3 or more DP interfaces. Connect the computer to 3 machines through DP cables, and the output ports of the machines are connected to 9 display screens in sequence;



DP computer graphics card settings:

1. Open the NVIDIA control panel, select Set mosaic mode, click Identify Displays, there are 3 displays identified here, select New Configuration.



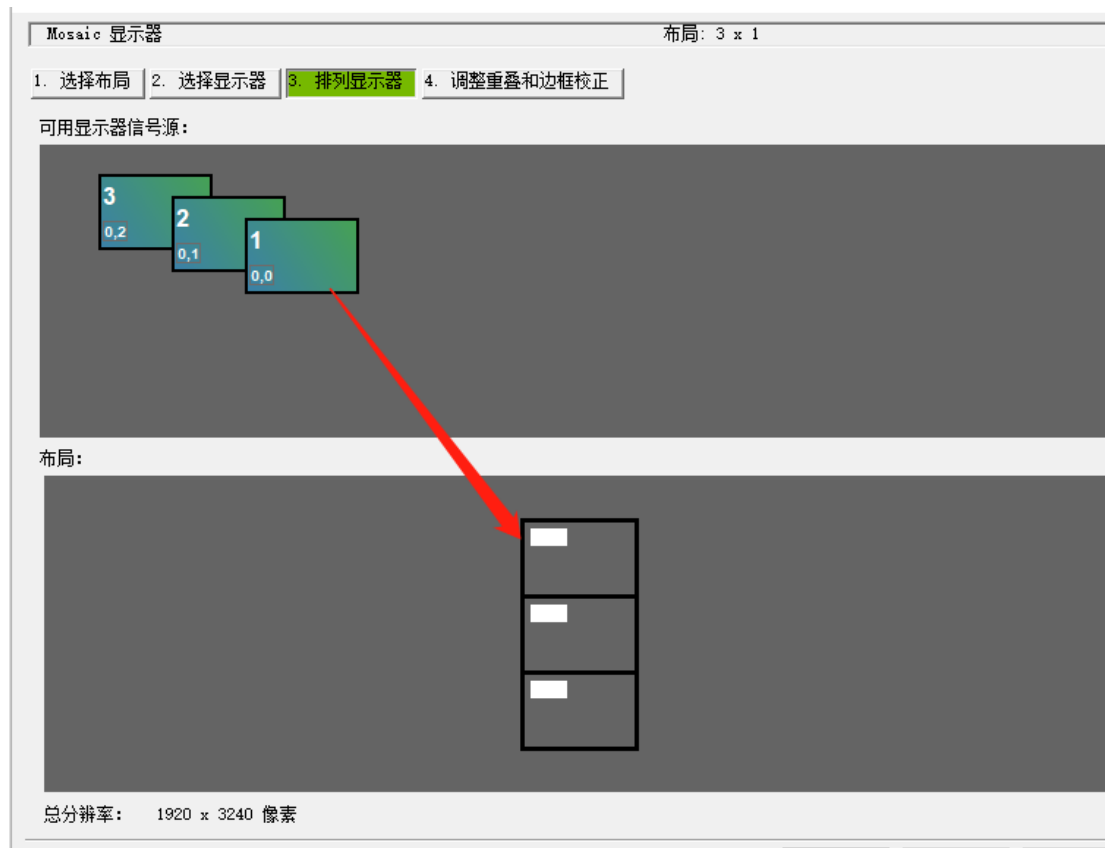
2. Select the layout, follow the steps to select the number of monitors 3, layout 3x1.



3. Set the refresh rate and resolution, and click Next.



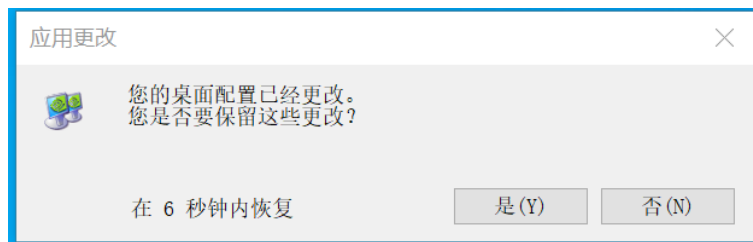
4. Arrange the monitors and drag the source into the box as shown below.



5. After arranging, click Apply.



6. Save the changes.



7. Click Finish, the setting is complete, and you can get a 3x3 stitching picture with a resolution of 5760*3240.

Actual function settings

1. Set up NxM stitching:

Press the Menu button on the remote control to open the menu, enter the splicing mode submenu, set NxM splicing, and select OK.

2. Set the mapping function:

Example: map the image of the second screen to the image of the first screen

Press the Menu button on the remote control to open the menu, enter the address mapping submenu, select physical address 2, and change the software address to 1.

3. Set single screen flip:

Example: Flip the image settings of the second screen

Press the Menu button on the remote control to open the menu, enter the address mapping submenu, select physical address 2, select Flip, right-click and select Open Flip.

Central control code

Serial control parameters:

The baud rate is set to 9600, 8 data bits, 1 stop bit, no parity bit, communication mode: asynchronous half-duplex serial communication.

Code format:

Switch signal source:

Switch to source HDMI: C5 3A 03 10 01 01 14;

Switch to signal source DP: C5 3A 03 10 01 02 15;

Resolution command:

1024*768@60HZ: C5 3A 03 13 00 00 15

1280*800@60HZ: C5 3A 03 13 00 01 16

1280*720@60HZ: C5 3A 03 13 00 02 17

1920*1080@60HZ: C5 3A 03 13 00 03 18

1920*1200@60HZ : C5 3A 03 13 00 04 19