



AOPEN

Bright Ideas Connected

DE6340

AMD Eyefinity step up Guide

2019.1.23

CAE

Number of Displays configuration

	Display configuration	
Number of Displays	Landscape	Portrait
2	2x1, 1x2	2x1, 1x2
3	3x1, 1x3	3x1, 1x3
4	2x2, 4x1 * ₁	2x2, 1x4 * ₂

Max Supported Resolution

landscape mode	Resolution	portrait mode	Resolution
2x2	3840*2 x 2160*2	2x2	2160*2 x 3840*2
4x1	3840*4 x 2160*1	4x1	2160*4 x 3840*1
1x4	3840*1 x 2160*4	1x4	2160*1 x 3840*4

Landscape mode 4x1, 2x2

4 Monitors

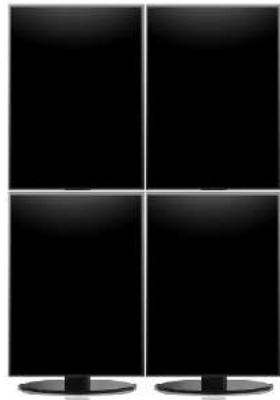


4x1 Landscape Display Group.



2x2 Landscape Display Group.

Portrait mode 1x4, 2x2

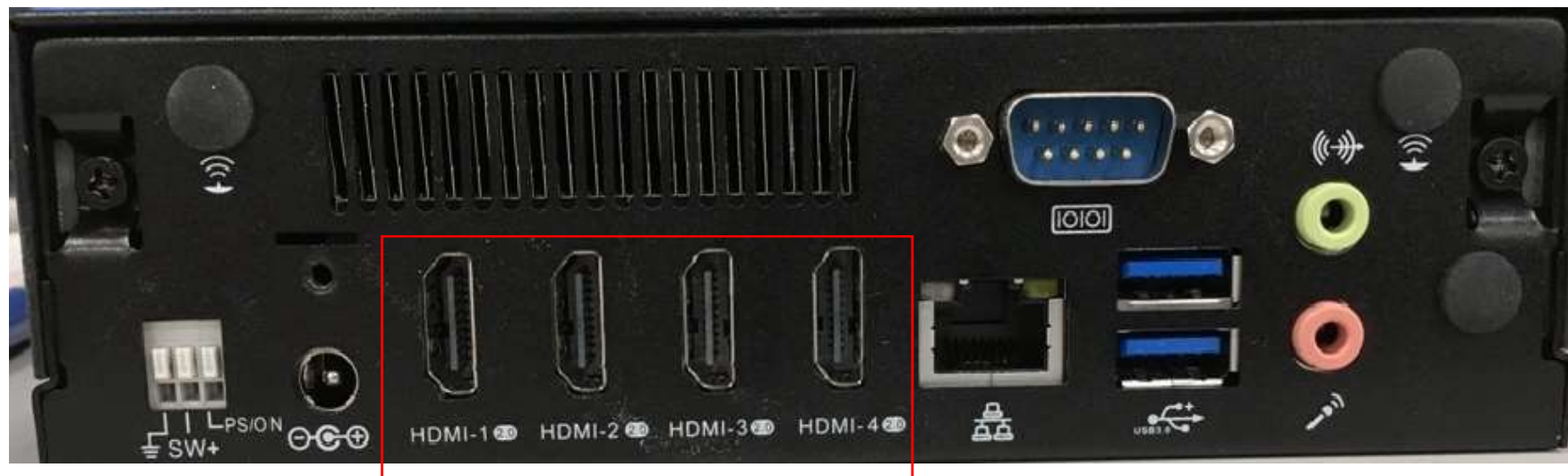


2x2 Portrait Display Group



1x4 Portrait Display Group

HDMI IO port location

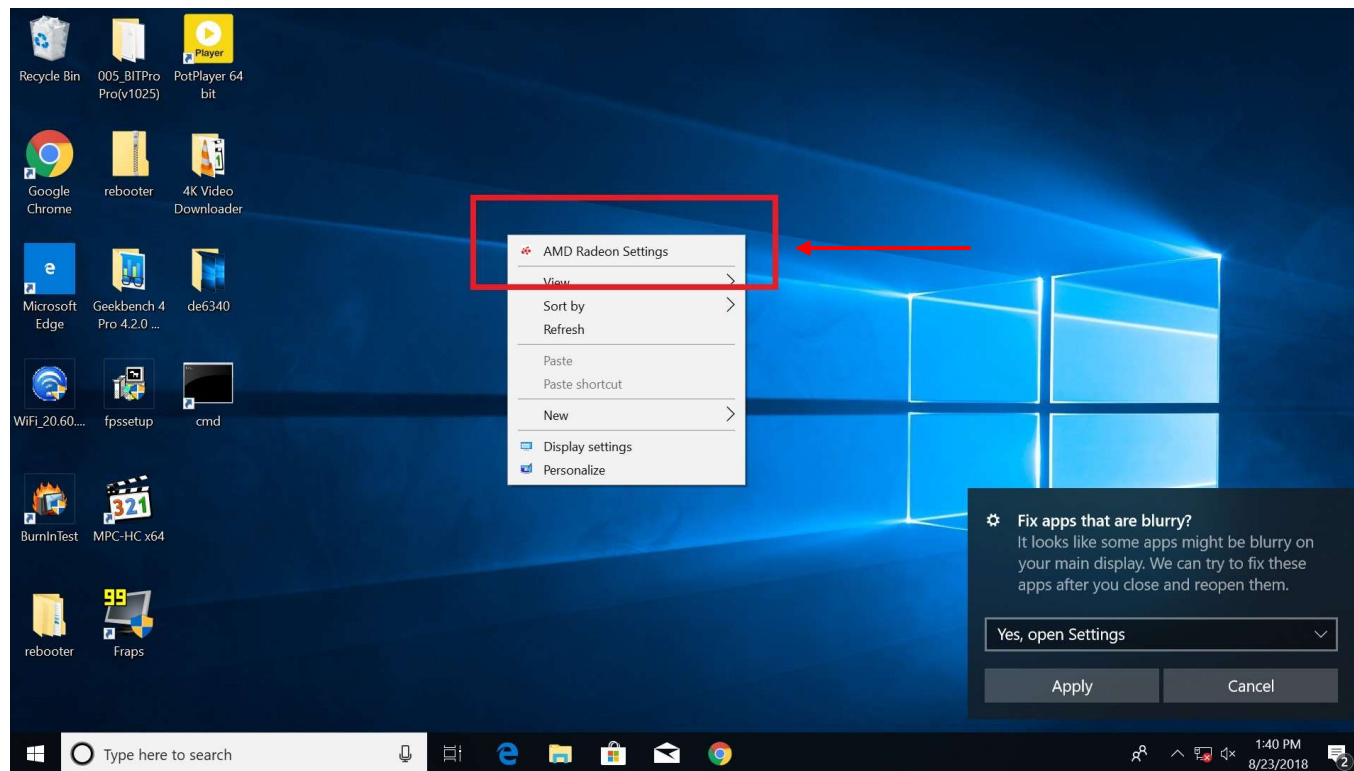


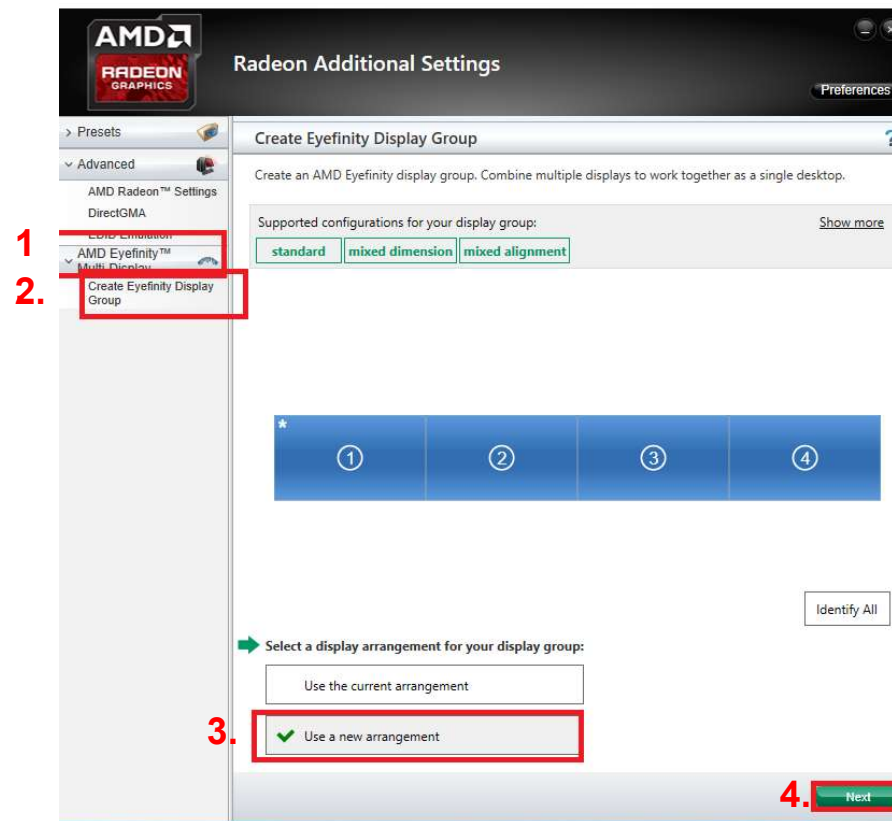
HMDI1,HDMI2,HDMI3,HDMI4

Supported of Operating System

- Microsoft Windows10
- Microsoft Windows10 2016 LTSC

Run AMD Radeon Settings





Create Eyefinity Display Group

2x1

3x1

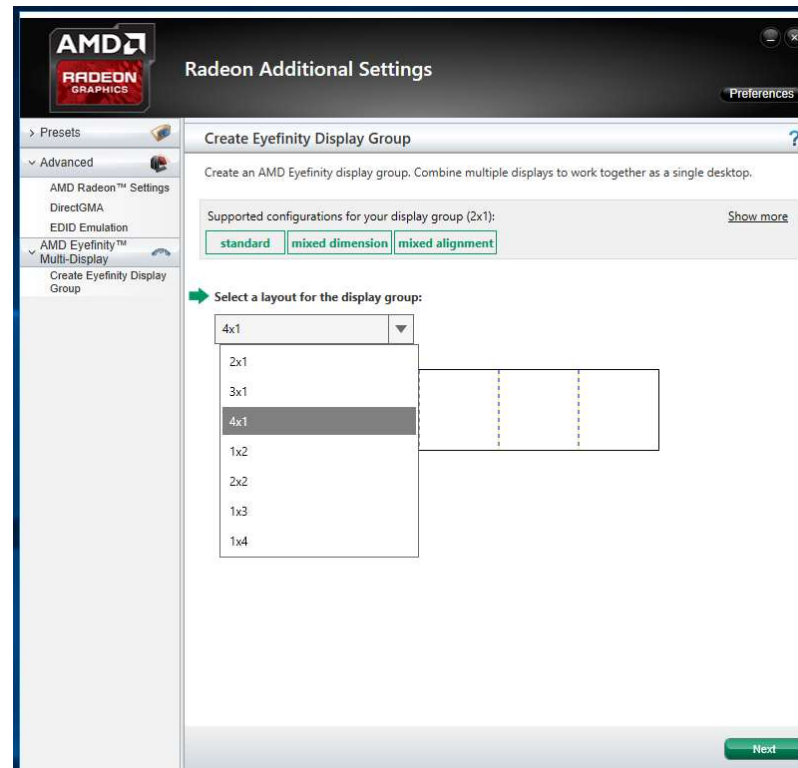
4x1

1x2

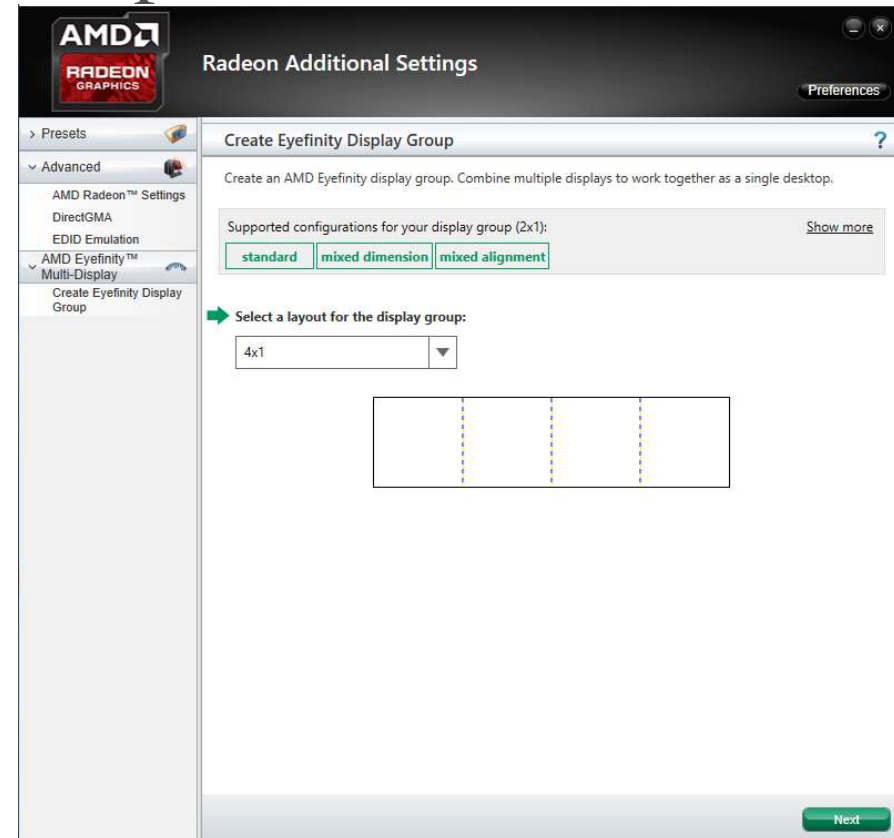
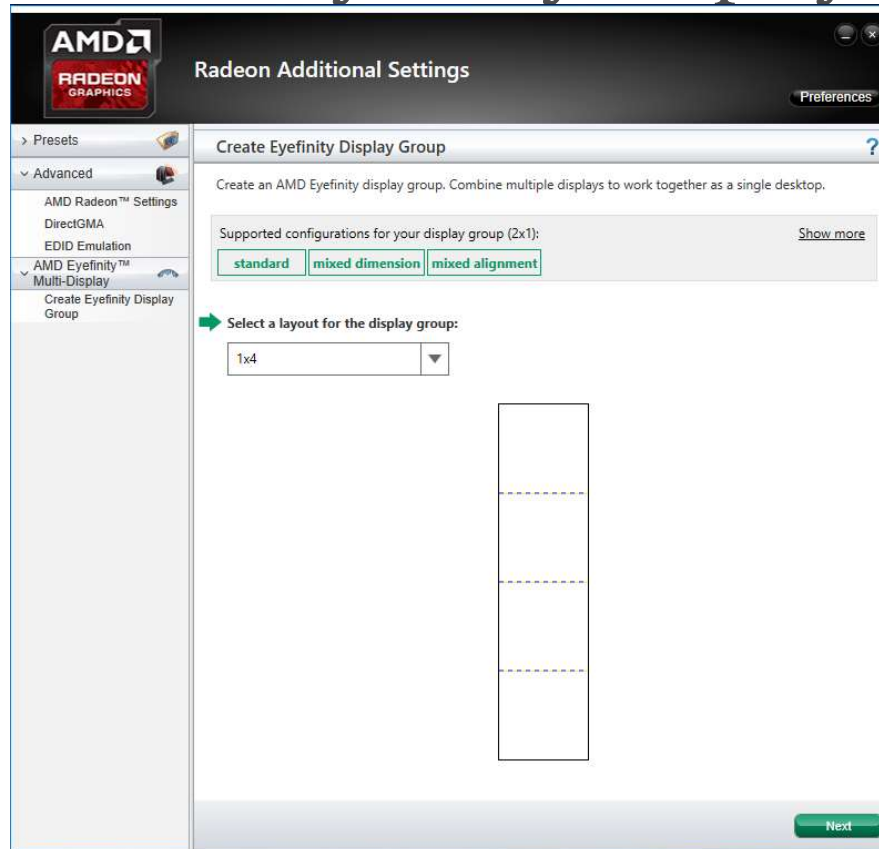
2x2

1x3

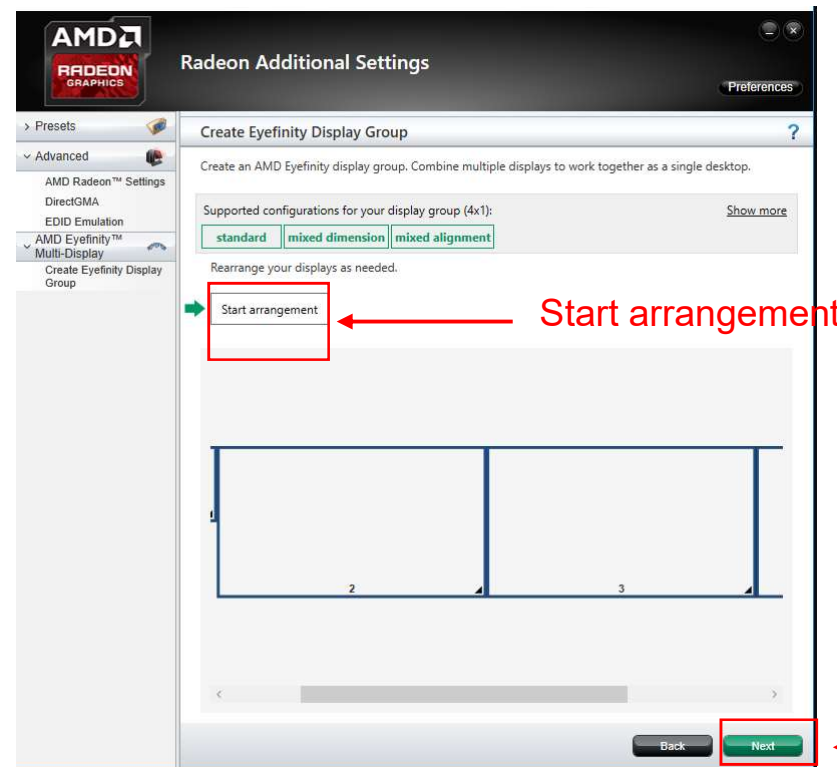
1x4



Create Eyefinity Display Group 1x4 and 4x1



Start arrangement



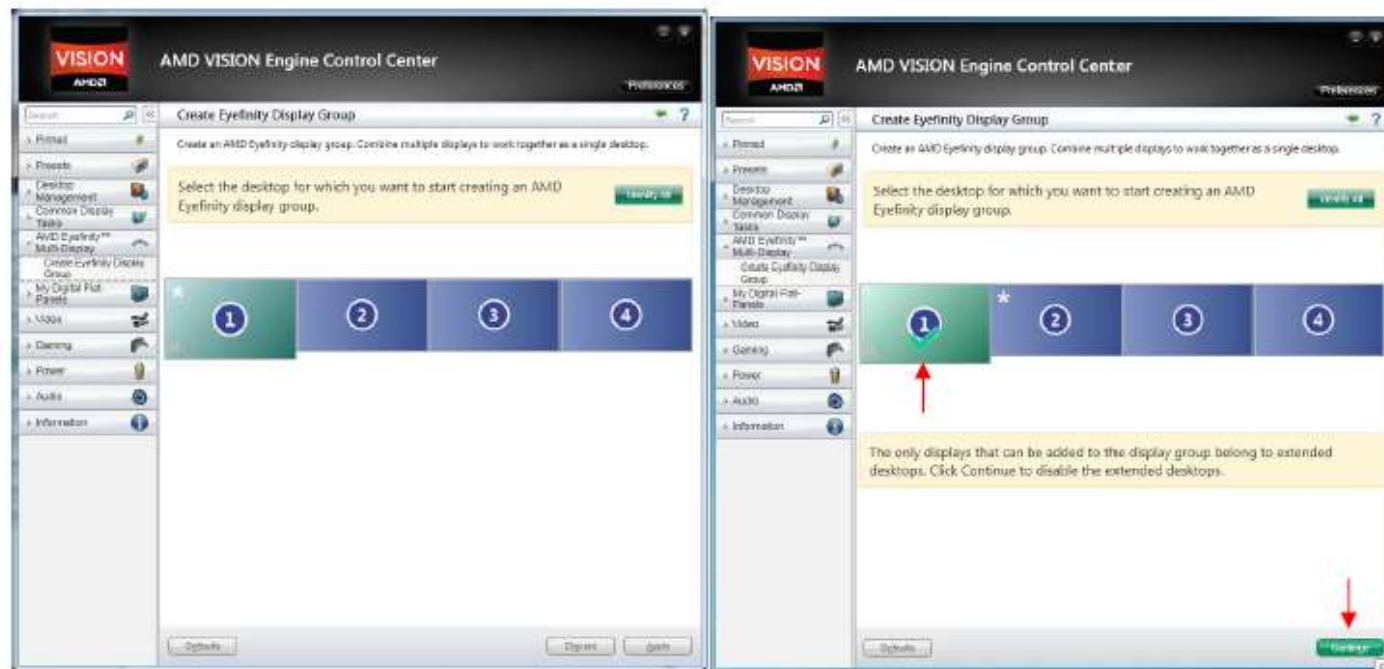




Fig 1

When start arrange, controller center will black out all the displays in the group, and controller center will highlights each display in turn by switching it from black to blue (Fig 2), click on the corresponding cell in the controller center UI to the one that is highlighted. For example, if the blue screen as Fig 2, then you need to click display 1 in controller center UI, and follow the same procedure until finish this process.

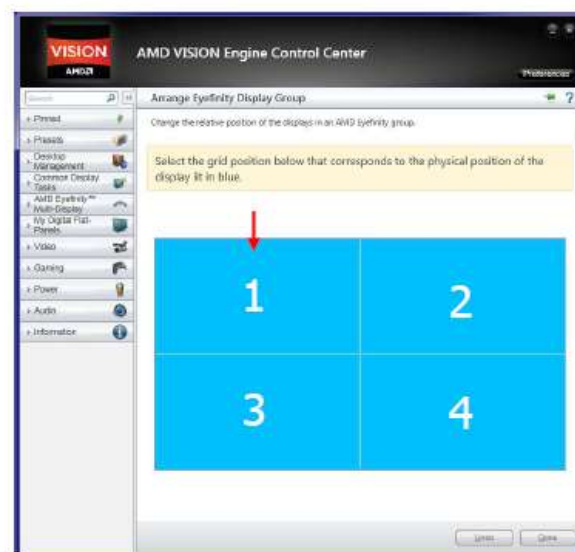


Fig 2

if the blue screen as Fig 3, then you need to click display 1 in controller center UI

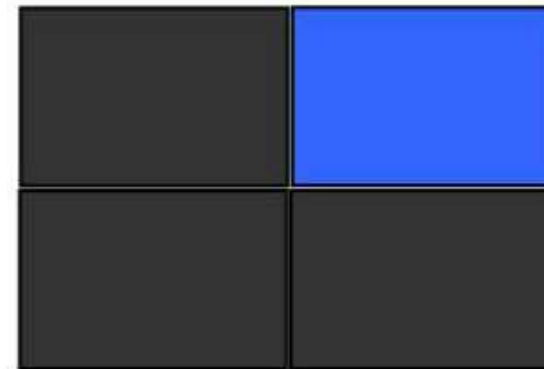
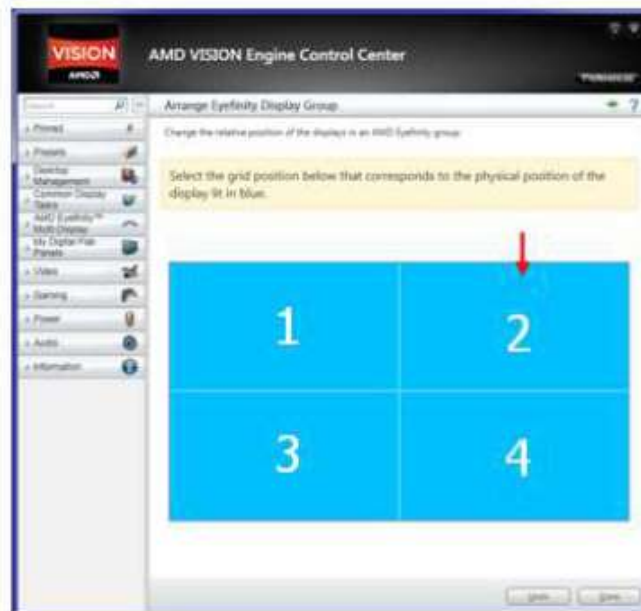


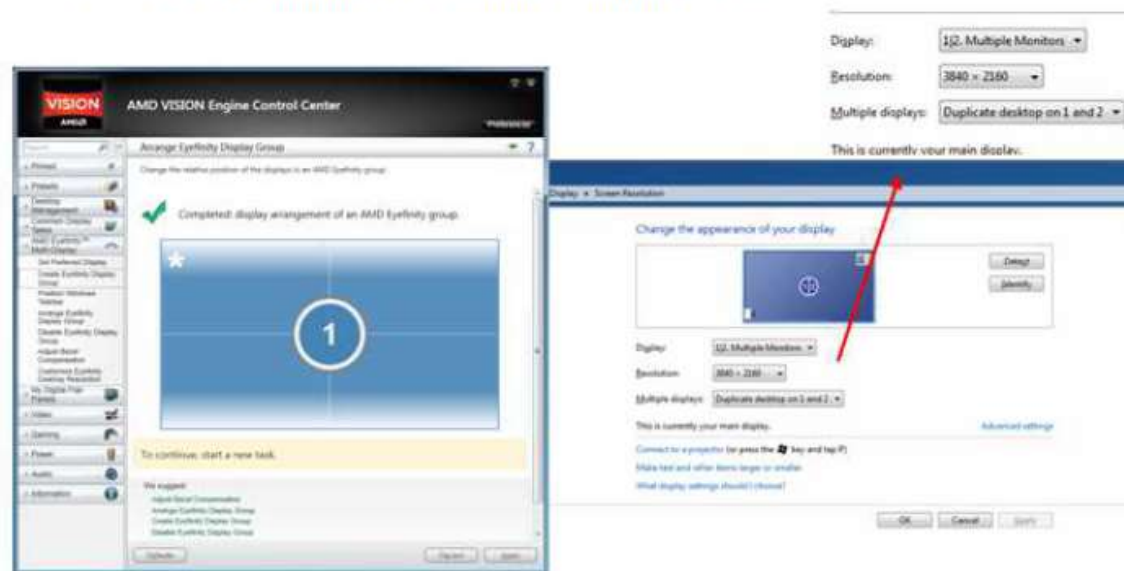
Fig 3

When finish arrange, controller center show the message below, if the relative position of the display group is correct as Fig 4, then click **Done** to next step.



Fig 4

.When complete arrangement of Eyefinity display group, you can close AMD VISION Engine Control Center, and the 4 displays will become a big display, and the resolution will become 3840 x 2160, if your display can support resolution to 1920x1080..



TV Wall TEST

TV Wall Test (4K monitor x4)(2x2)



TV Wall Test (4K monitor x4)(2x2)

Advanced display settings

Display information

 **LG Ultra HD**
Display 1: Connected to AMD Radeon(TM) Vega 11 Graphics

Desktop resolution 3840 × 2160
Active signal resolution 3840 × 2160
Refresh rate (Hz) 59 Hz
Bit depth 10-bit
Color format YCbCr444
Color space Standard dynamic range (SDR)

[Display adapter properties for Display 1](#)

 **VX2475 SERIES**
Display 2: Connected to AMD Radeon(TM) Vega 11 Graphics

Desktop resolution 3840 × 2160
Active signal resolution 3840 × 2160
Refresh rate (Hz) 29 Hz
Bit depth 8-bit
Color format YCbCr444
Color space Standard dynamic range (SDR)

[Display adapter properties for Display 2](#)

 **LG Ultra HD**
Display 3: Connected to AMD Radeon(TM) Vega 11 Graphics

Desktop resolution 3840 × 2160
Active signal resolution 3840 × 2160
Refresh rate (Hz) 59 Hz
Bit depth 10-bit
Color format YCbCr444
Color space Standard dynamic range (SDR)

[Display adapter properties for Display 3](#)

 **LG Ultra HD**
Display 4: Connected to AMD Radeon(TM) Vega 11 Graphics

Desktop resolution 3840 × 2160
Active signal resolution 3840 × 2160
Refresh rate (Hz) 59 Hz
Bit depth 10-bit
Color format YCbCr444
Color space Standard dynamic range (SDR)

[Display adapter properties for Display 4](#)

TV wall solution

1X4

(i) we also need to clarify if DE6340 support the following video wall configurations:

2x2 landscape mode $3840*2 \times 2160*2$ (W x H) =>working ($3840*2 \times 2160*2$)

4x1 landscape mode $3840*4 \times 2160*1$ =>working ($3840*4 \times 2160*1$)

1x4 landscape mode $3840*1 \times 2160*4$ => working ($3840*1 \times 2160*4$)

2x2 portrait mode $2160*2 \times 3840*2$ (W x H) =>working ($2160*2 \times 3840*2$)

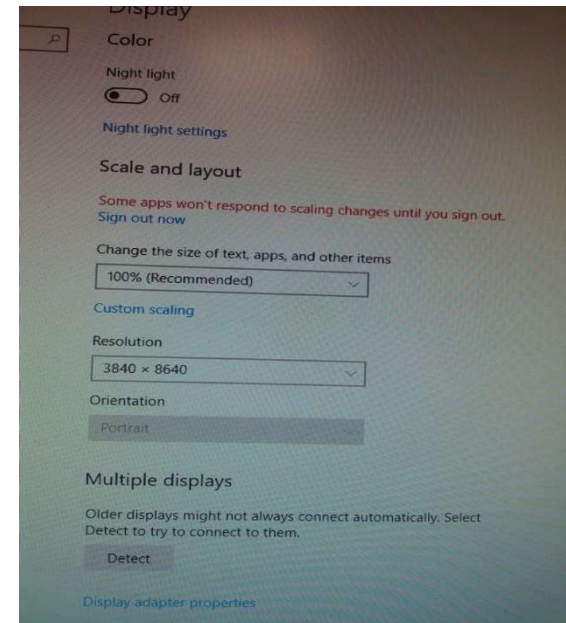
4x1 portrait mode $2160*4 \times 3840*1$ =>working ($2160*4 \times 3840*1$)

1x4 portrait mode $2160*1 \times 3840*4$ =>working ($2160*1 \times 3840*4$)

(ii) Does DE6340 has built-in EDID simulator?

(if not, i will need to buy Benevo 4K EDID and the total project cost will be higher)

=> The AMD driver not support EDID simulator right now on DE6340,
when next month AMD driver update again, we will test it.



- 4x1 landscape mode 4096*4 x 2160*1=>working (3840*4 x 2160*1)
- 1x4 portrait mode 2160*1 x 3840*4 =>working (2160*1 x 3840*4)

