OpenLP 104

How To Setup
OpenLP PC and Overhead

"Surely We Can Get It All IN FOCUS!"

Setup PC & Overhead Displays

Home ← **SDXC Card** → Church
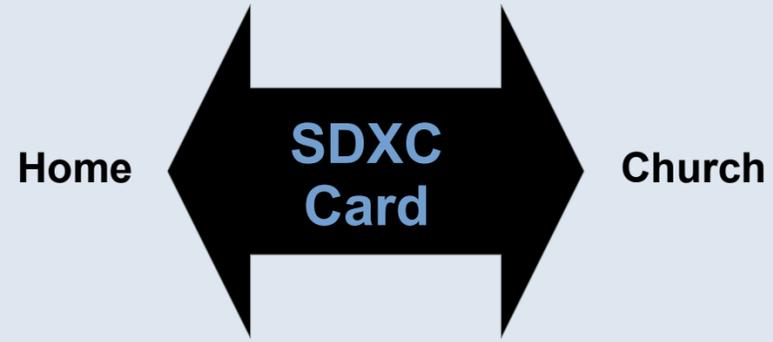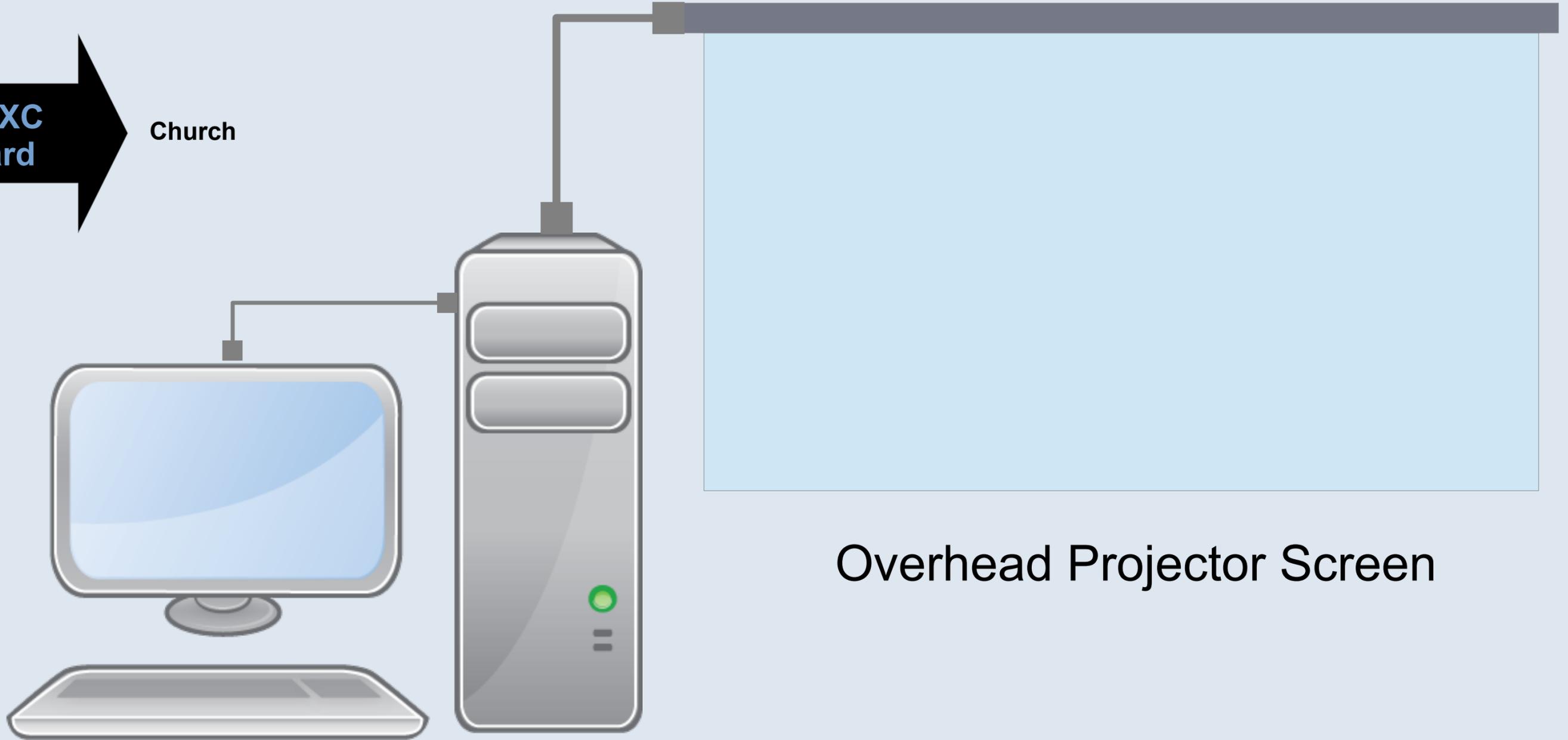
Overhead Projector <u>PC</u> at Church
(Window 10/11)

Overhead Projector Screen

OpenLP 104 Training

- Focusing on needed disciplines for PC & Overhead Displays

- Discussions of the current & future Diplay resolutions

- "Rule-of-thumb" positioning of Overhead Screens to audience

- "Display Settings" For Window 11 PC (recommended PC)

- "Display Settings" For Window 10 PC

Overhead Projector Resolutions

Most Popular for 2023 into Future Desires

Definition Name	Common Name	Width Pixels	Height Pixels	Aspect Ratio	Full or Wide Screen
High Definition	HD	1280	720	16:9	Wide
Wide XGA	WXGA	1280	800	16:10	Wide
Full High Definition	2K (FHD)	1920	1080 (1200)	16:9 (16:10)	Wide
Ultra High Definition	4K (UHD)	3840	2160	16:9	Wide
Ultra High Definition	8K (UHD)	7680	4320	16:9	Wide

Overhead Screen Positioning

A screen that is too big for its setting will actually be difficult for your viewers to see in its entirety. If they are positioned too close to the image for instance, they may be forced to strain their eyes to see or literally move their heads side to side to see the whole picture.

Projectors have a throw distance where the project is located an optimal distance from the screen. When optimal distance is used for full high definition (2K FHD 1920x1080 pixel), projectors using the following general rule of thumb can be used for optimum audience seatint distance from the overhead/HDTV screen.

The general "rule of thumb" is that seats should be located a distance that is no less than double the width of the projected image on the overhead screen [edge of stage/platform], and no more than five times the width of the project image for the furthest or back row.

"Display & Identify Settings" Windows 11

Right-Click on PC Desktop and select "Display Settings..." from the pull-down context menu.
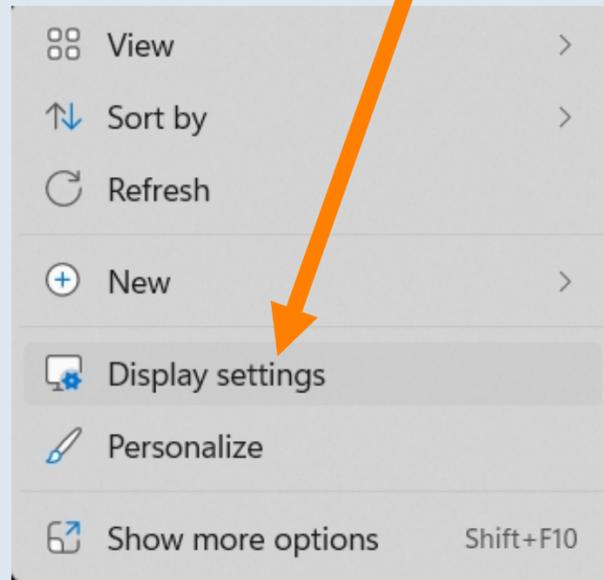
Under "System" the "Display" there are two screens show as physically connected to the PC.

Screen "1" is blue because it is currently active (selected display).

Screen "2" is gray for it is not currently active (not selected) but is physically connected.

It could be that "Multiple displays" is set to "Show only on 1". If so, Click the pull-down arrow and select "Extend these displays"

"Keep these display settings?" window will momentarily appear, click "Keep changes"
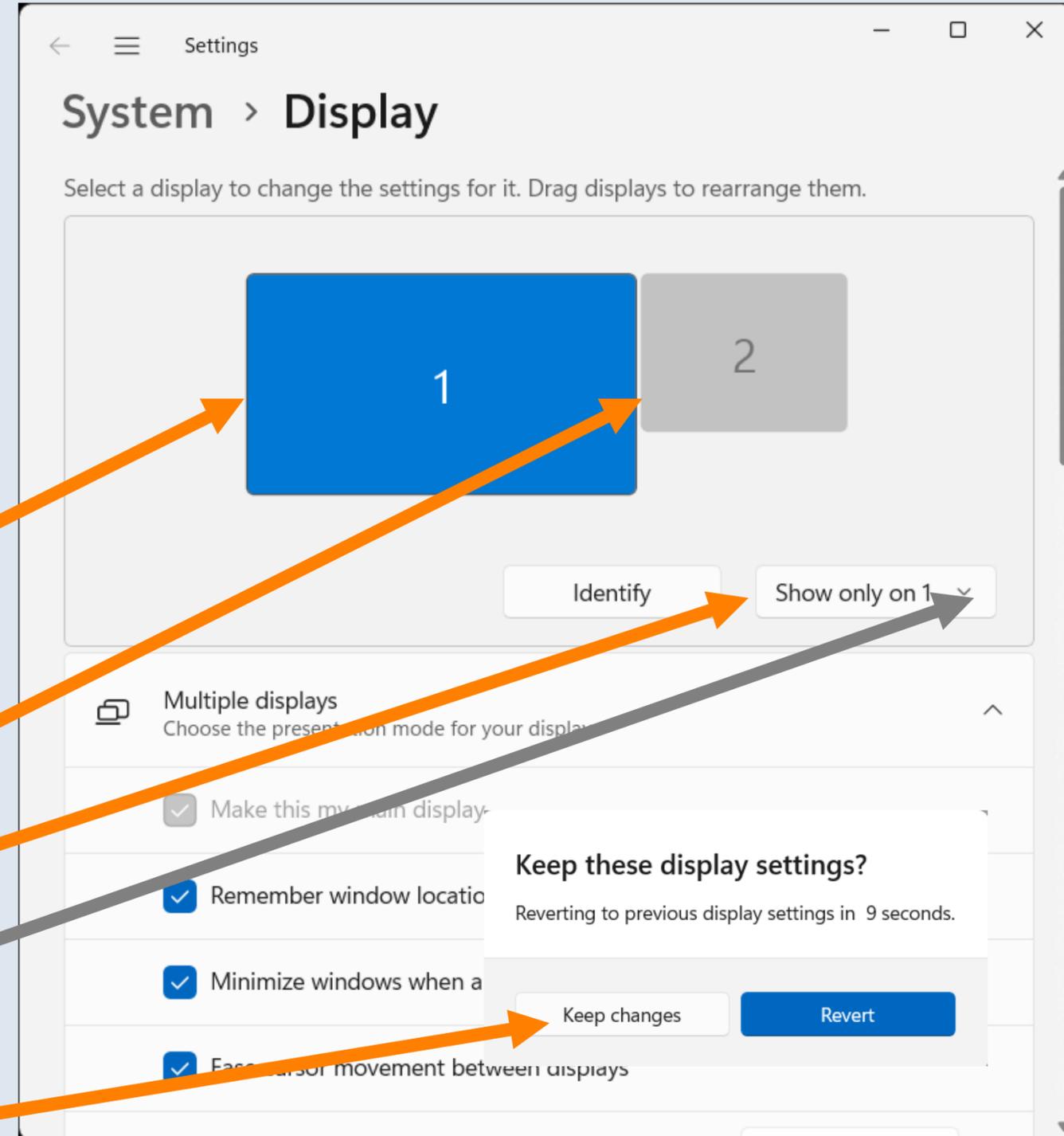
Identify Displays 1 & 2 Windows 11

On System > Display screen scroll down to "Scale & layout" for selected Overhead display can be viewed:

Under "Display resolution" ensure the Display resolution for the Overhead display is set to 1920 x 1080 pixels (for 2K FHD)
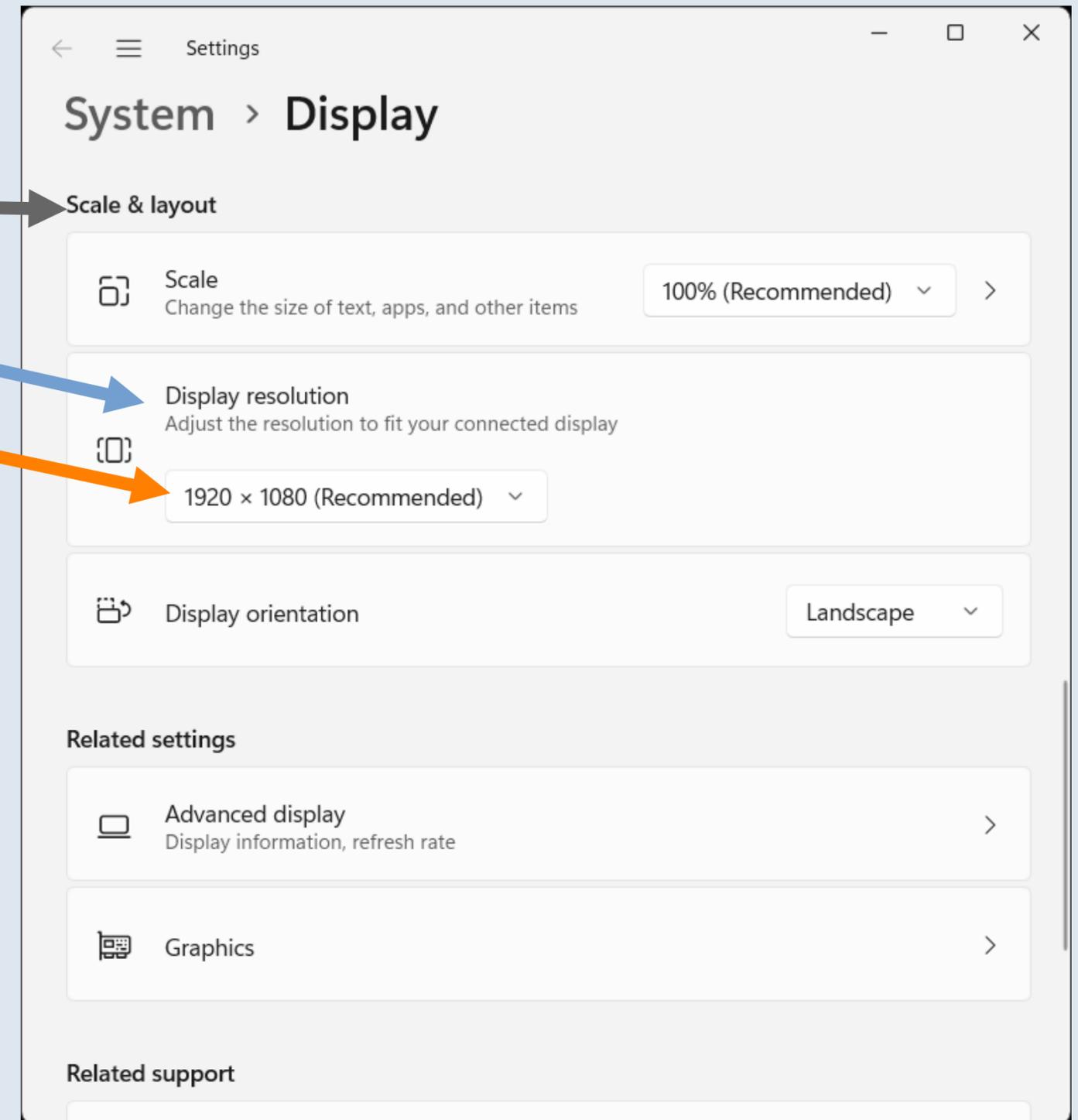
If 1920 x 1080 pixels is not selected then click the pull-down arrow and select the correct resolution for your Overhead Screen.

NOTE
If your PC is capable and your Overhead Projector is a 4K UHD then the Recomment Display resolution may be "3840 x 2160 (Recommended)."
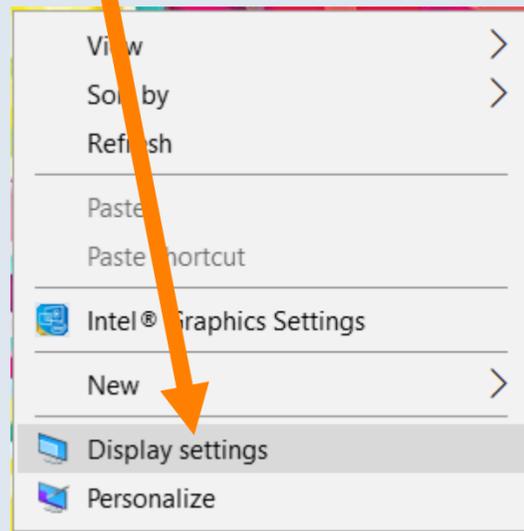However, I still suggest using 1920 x1080, because viewing with the current "rule of thumb" screen positioning will be fine.

Settings

System > Display

Scale & layout

Scale
Change the size of text, apps, and other items

100% (Recommended)

Display resolution
Adjust the resolution to fit your connected display

1920 × 1080 (Recommended)

Display orientation

Landscape

Related settings

Advanced display
Display information, refresh rate

Graphics

Related support

"Display Settings" from Windows 10

Right-Click on PC Desktop and select "Display Settings..." from the pull-down context menu.

View
Sort by
Refresh

Paste
Paste shortcut

Intel® Graphics Settings

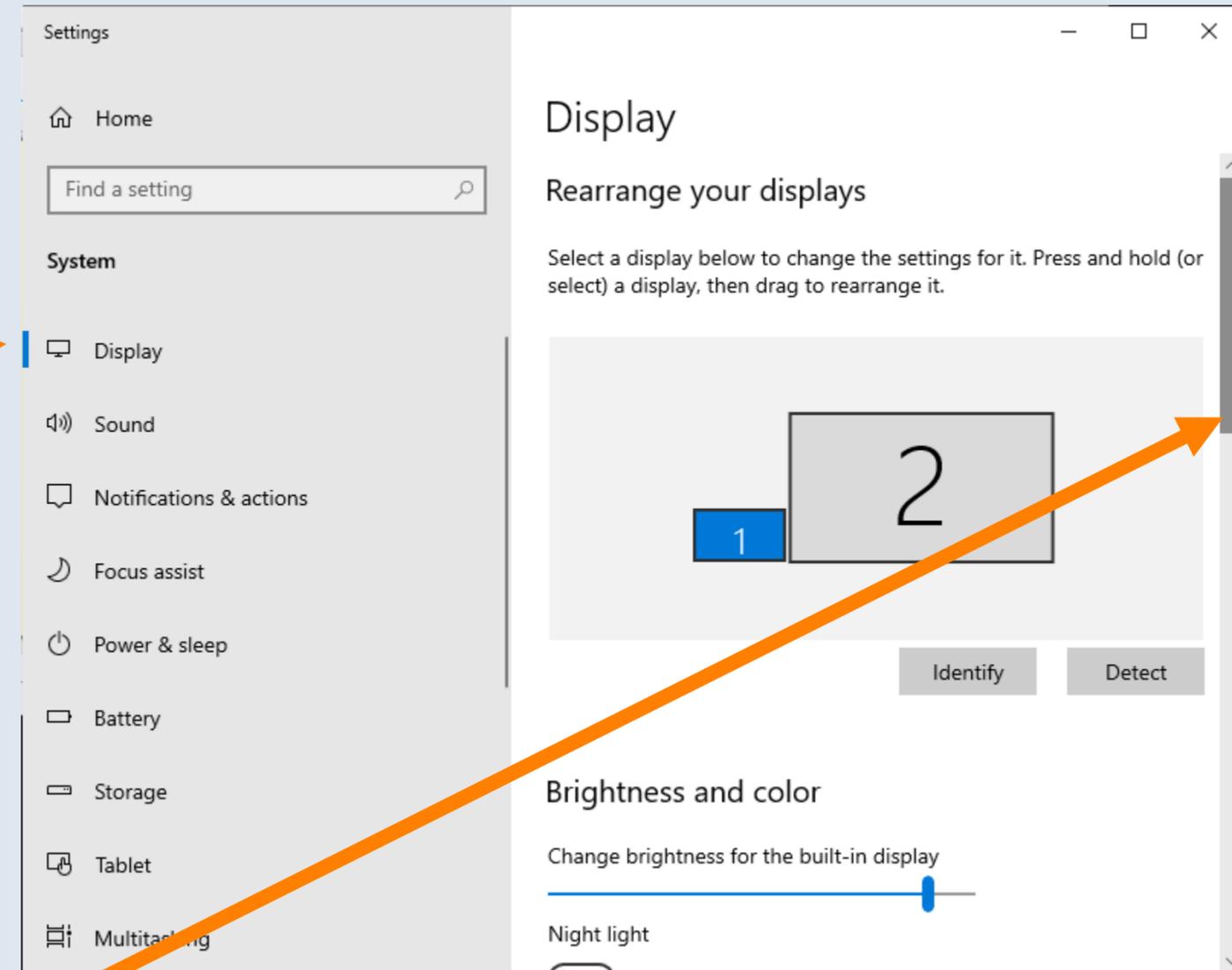New

Display settings
Personalize

Under "System" the "Display" should be the selected

There are two screens show as physically connected to the PC.

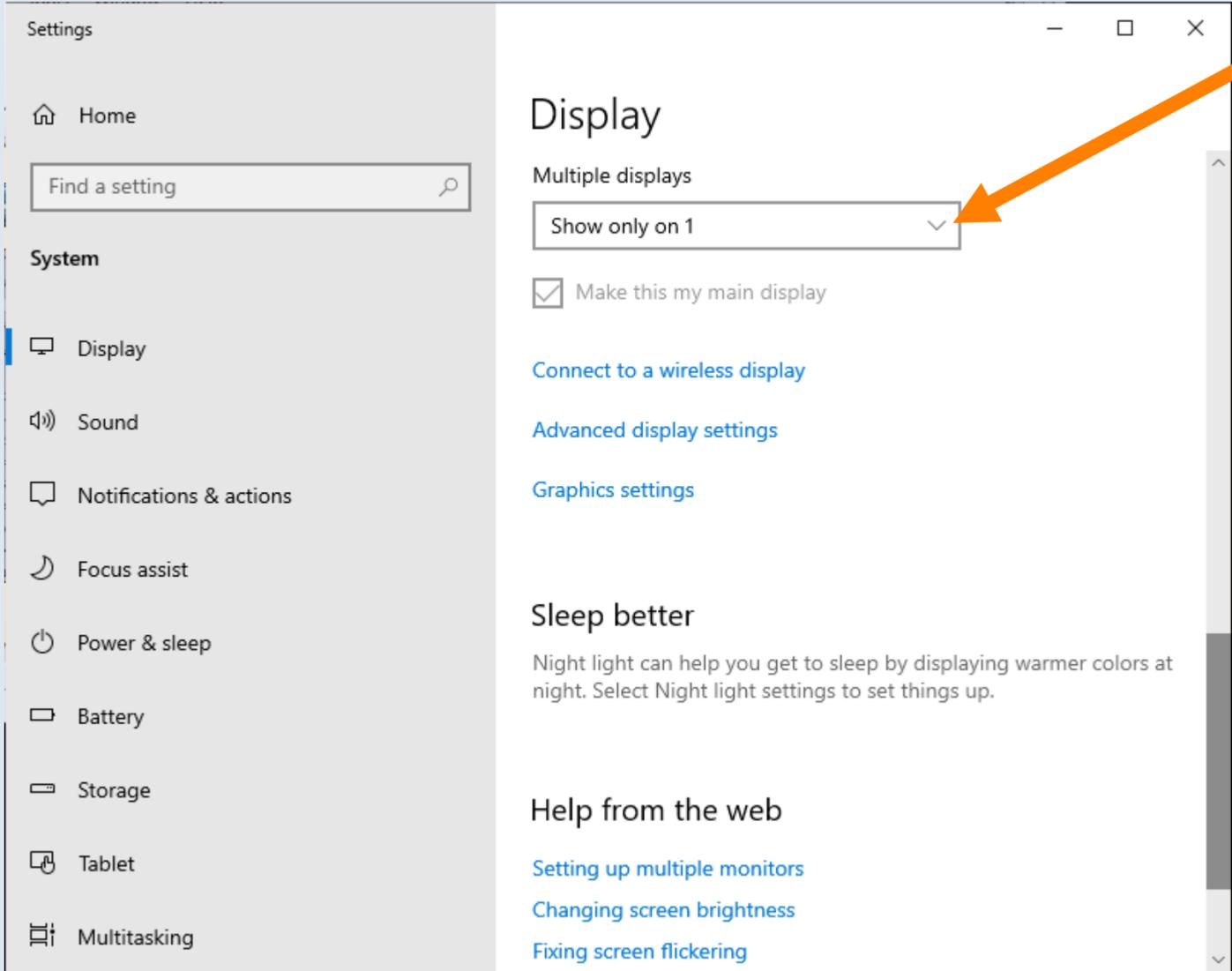Screen "1" is blue because it is currently active (selected display).

Screen "2" is gray for it is not currently active (not selected) but is physically connected. It coule be that "Multiple displays" is set to "Show only on 1".

Use the scroll bar on right to scroll down to "Multiple displays" settings (see next page)

Settings

⌂ Home

Find a setting

System

🖵 Display

🔊 Sound

🗔 Notifications & actions

☾ Focus assist

⏻ Power & sleep

▭ Battery

▭ Storage

🖳 Tablet

🖳 Multitasking

Display

Rearrange your displays

Select a display below to change the settings for it. Press and hold (or select) a display, then drag to rearrange it.

1   2

Identify   Detect

Brightness and color

Change brightness for the built-in display

Night light

Setup Extended Displays Windows 10

Settings

Display

Multiple displays

Show only on 1

Make this my main display

Connect to a wireless display

Advanced display settings

Graphics settings

Sleep better

Night light can help you get to sleep by displaying warmer colors at night. Select Night light settings to set things up.

Help from the web

Setting up multiple monitors

Changing screen brightness

Fixing screen flickering

Home

Find a setting

System

Display

Sound

Notifications & actions

Focus assist

Power & sleep

Battery

Storage

Tablet

Multitasking

Under "Multiple displays" <u>click</u> the pull-down arrow.

Duplicate these displays
Extend these displays
Show only on 1
Show only on 2

Under "Multiple displays" <u>select</u> "Extend these displays"

Select "Keep changes"

Keep these display settings?

Reverting to previous display settings in 13 seconds.

Keep changes   Revert

Use the scroll bar on right to <u>scroll</u> back up to the top

(see next page)

Identify Displays 1 & 2 Windows 10

Under "System" the "Display" should be the selected

There are two displays show as physically connected to the PC.

Display "1" is blue because it is currently selected and should be the PC display.

Display "2" is gray for it is not currently selected and should be the Overhead display(s)

Click the "Identify" button and 1 is displayed in bottom left of PC screen and 2 in Overhead display(s).

Use the scroll bar on right to scroll down to "Multiple displays" settings (see next page)
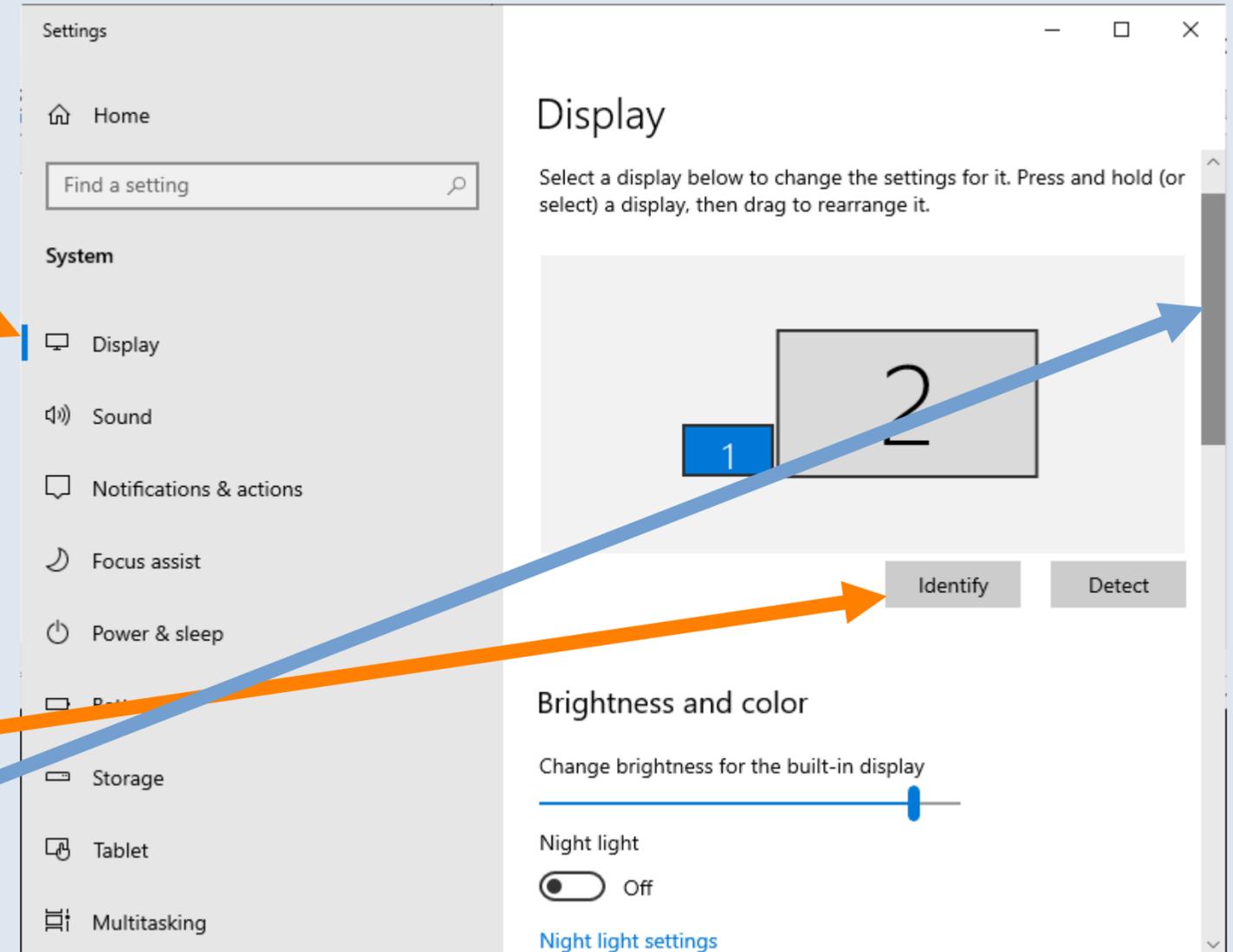
Set Display Resolution 1 & 2 Win 10

Under "Multiple displays" click the "Advanced display settings" link

Manually select "Display 1: & 2: from the pull-down text box under "Choose display" and record the "Desktop resolution" of:

PC – Display 1: _____ x _____ pixels.

Overhead – Display 2: _____ x _____ pixels.

For Overhead – Display 2:
   It is recommended: use aspect ratio 16/9 at 1920 x 1080 pixels for 2K FHD

These values can be used to develop images, videos, and themes within OpenLP that conform to the pixel sizes of your Overhead presentations.