



# ICY BOX IB-DK2408-C USB Type-C Notebook Docking Station Instruction Manual

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**ICY BOX®**

**ICY BOX IB-DK2408-C USB Type-C Notebook Docking Station**



## Safety Instructions

- Risk of death by electrical shock
- Read the operating instructions prior to use
- Make sure the device has been de-energized prior to working on it
- Do not remove contact protection panels
- Avoid contact with conducting parts
- Do not bring plug contacts in contact with pointed and metal objects
- Use in intended environments only
- Operate the device using a power unit meeting the specifications of the type plate only!
- Keep the device/power unit away from humidity, liquid, vapour and dust
- Do not modify the device
- Do not connect the device during thunderstorms
- Approach specialist retailers if you require repairs
- Avoid coming into contact with sharp edges or pointed components
- Do not force components together
- Use suitable tools
- Use potentially enclosed accessories and tools only
- Overheating and failure of the device/power unit
- Prevent externally heating up components and ensure an exchange of air
- Do not cover the fan outlet and passive cooling elements
- Avoid direct sunlight on the device/power unit
- Guarantee sufficient ambient air for the device/power unit
- Do not place objects on the device/power unit
- Risk of death by suffocation or swallowing
- Keep small parts and accessories away from children
- Store/dispose of plastic bags and packaging in an area that is inaccessible to children
- Do not hand over small parts and packaging to children Potentially irreversible data loss
- Always comply with the information in the operating instructions/quick installation guide
- Exclusively use the product once the specifications have been met

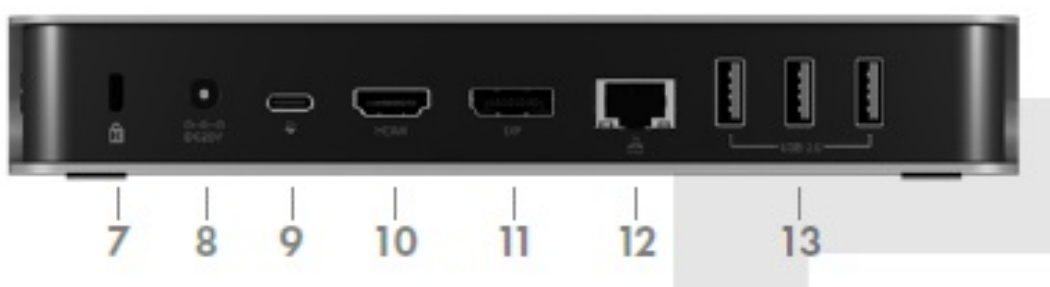
- Back up data prior to commissioning
- Back up data prior to connecting new hardware
- Use accessories enclosed with the product
- Scratches, discolouration, damage caused by moisture or short circuit in the device
- Disconnect the device prior to cleaning
- Aggressive or intense cleaning agents and solvents are unsuitable
- Make sure there is no residual moisture after cleaning
- We recommend cleaning devices using a dry, anti-static cloth

## Package content

- 1x IB-DK2408-C,
- 1x power supply,
- 1x power cable,
- 1x USB Type-C® cable,
- 1x manual
- Side view
  - USB 3.1 (Gen 2) Type-C® data interface, BC1.2 charging standard max 5 V@1.5 A
  - USB 3.1 (Gen 2) Type-A data interface, BC1.2 charging standard max 5 V@1.5 A
  - ON/OFF button with LED (blue) for operation
  - 3.5 mm combo audio jack for connecting a headset
  - SD 3.0/microSD 3.0 card reader for SD/microSD memory cards
  - USB 3.0 Type-C® data interface, BC1.2 charging standard max 5 V@1.5 A



- Rear view
  - Kensington Security Slot™ for protection against theft
  - Power jack for connecting the power adapter
  - USB 3.1 (Gen 2) Type-C® host computer interface with Power Delivery support up to 60 W
  - High-Speed HDMI® interface with up to 4K@60 Hz (via DP 1.4 lanes)
  - DisplayPort™ interface with up to 4K@60 Hz (via DP 1.4 lanes)
  - RJ45 Ethernet interface / Gigabit
  - 3x USB 3.0 Type-A data interface, BC1.2 charging standard



## USB Type-C® Notebook DockingStation

The new USB Type-C® Multi DockingStation from ICY BOX in elegant design and with Power Delivery technology has been developed for extra connectivity demands of computers with USB Type-C® interface and DisplayPort™ Alt Mode support. This allows up to two additional monitors to be connected, as well as external peripherals via USB, headset, memory cards and Gigabit LAN. With the upstream charging function via the USB Type-C® interface, you can charge the host computer with up to 60 W using a power supply unit with more than 100 watts of power. With the built-in USB 3.1 (Gen 2) ports, the DockingStation enables a super speed data transmission between USB peripherals.

## Features

- Premium aluminium enclosure
- Data transfer, video and Power Delivery via one Type-C® cable
- USB 3.1 (Gen 2) Type-C® host computer interface with Power Delivery support up to 60 W
- One HDMI® video interface supports single resolutions of up to 4K@60 Hz (via DP 1.4 lanes)
- One DisplayPort™ 1.4++ video interface supports single resolutions of up to 4K@60 Hz (via DP 1.4 lanes)
- Supports mirroring and extending the existing notebook display
- One USB 3.1 (Gen 2) Type-C® interface with a data transfer rate of up to 10 Gbit/s
- One USB 3.0 Type-C® interface with a data transfer rate of up to 5 Gbit/s
- One USB 3.1 (Gen 2) Type-A interface with a data transfer rate of up to 10 Gbit/s
- Three USB 3.0 Type-A interfaces with data transfer rates of up to 5 Gbit/s
- SD 3.0 and microSD 3.0 card readers with data transfer rates of up to 100 MB/s
- RJ45 LAN interface with data transfer rates of up to 10/100/1000 Mbit/s
- 3.5 mm combo jack for microphone/ headphone connection

## Requirements

- Host computer with an available USB Type-C® port (To ensure full dock functionality, the host USB Type-C® port must support USB Power Delivery and DisplayPort™ Alt Mode or Thunderbolt™ 3/4).
- Note: The DockingStation can still connect to a host computer with a USB Type-C® port that does
- NOT support Power Delivery (but must still support DisplayPort™ Alt Mode). In this configuration, the
- DockingStation will NOT power your host computer.
- HDMI® and DisplayPort™ enabled display(s) with cables as needed (for additional external displays)
- 4K-capable displays are required to achieve up to 3840×2160@30/60 Hz resolution (DP 1.4).
- To reach the maximum supported resolutions, your host computer must at least support DisplayPort™ 1.4.
- Any of the following operating systems: Windows®, macOS®

## USB Type-C®

Not all USB Type-C® ports support the full functionality of the USB Type-C® standard. Some ports might only provide data transfer and might not support video or Power Delivery over USB. To use this dock to its full potential, ensure that the host USB Type-C® port of your computer supports DisplayPort™ Alt Mode as well as USB Power Delivery or Thunderbolt™ 3 / 4.

## Starting up

- Plug in the power supply



- Connect the USB Type-C® to Type-C® cable to the supported USB Type-C® host interface of your computer and to the USB Type-C® host interface of the dock



- Connect your peripherals to the appropriate interfaces on the dock



## Usage of memory card slots

- **SD card (UHS-I)**

Insert the SD card into the SD card slot with the bevelled corner first. The golden PIN's of the card must show upwards.

- **microSD card (UHS-I)**

Insert the microSD card into the microSD card slot with the bevelled corner first. The golden PIN's of the card must show downwards.

## Switch on the device



## Power button function

- To power ON: Push the ON/OFF button for less than 1 sec and the dock turns on.
- Both the DockingStation and your connected notebook should now be powered.
- To power OFF: Push the ON/OFF button for more than 3 sec and the dock turns off.

## Configure a display device

Please set up your display settings according to your operating system and your requirements. For detailed information, consult the corresponding computer manual and description of your operating system.

Note: Video output capabilities are dependent on the graphics card and hardware specifications of your connected host notebook. Certain graphics cards and operating systems have limited MST support, while some monitors will also limit the maximum resolution.

## Supported video resolutions

The docking station supports 4K Ultra HD resolution if the connected HDMI®/ DisplayPort™ display and the graphics unit supports it.

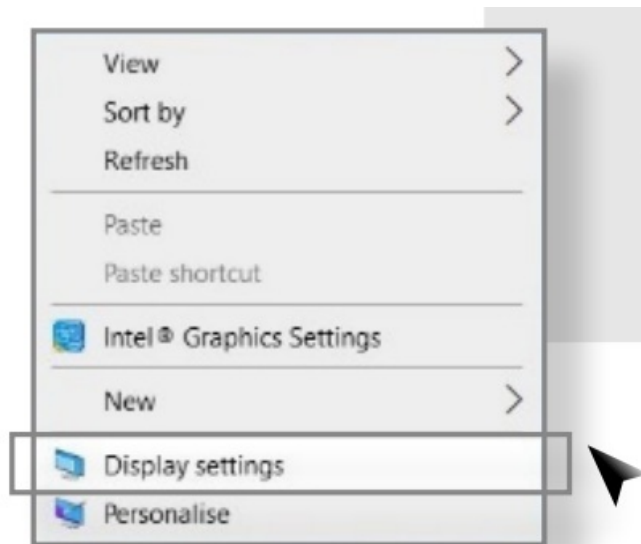
## Video matrix

Video matrix design (DP 1.2 HBR2), maximum resolutions				
	Inputs (plug-in)		Output	
Number of displays	DP	HDMI®	DP	HDMI®
Dual video output	DP	HDMI®	1920x1080@60 Hz	1920x1080@60 Hz
Single video output	DP		3840x2160@30 Hz	
		HDMI®		3840x2160@30 Hz
Video matrix design (DP 1.4 HBR3), maximum resolutions				
	Inputs (plug-in)		Output	
Number of displays	DP	HDMI®	DP	HDMI®
Dual video output	DP	HDMI®	3840x2160@30 Hz	3840x2160@30 Hz
Single video output	DP		3840x2160@60 Hz	
		HDMI®		3840x2160@60 Hz

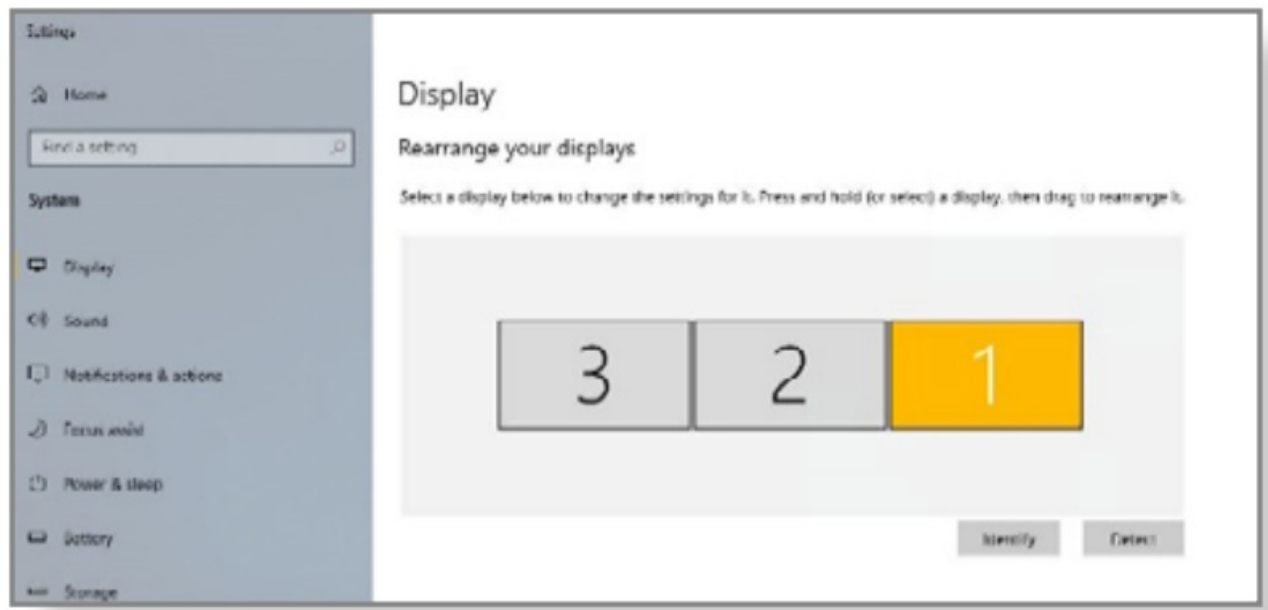


## Arrange your displays

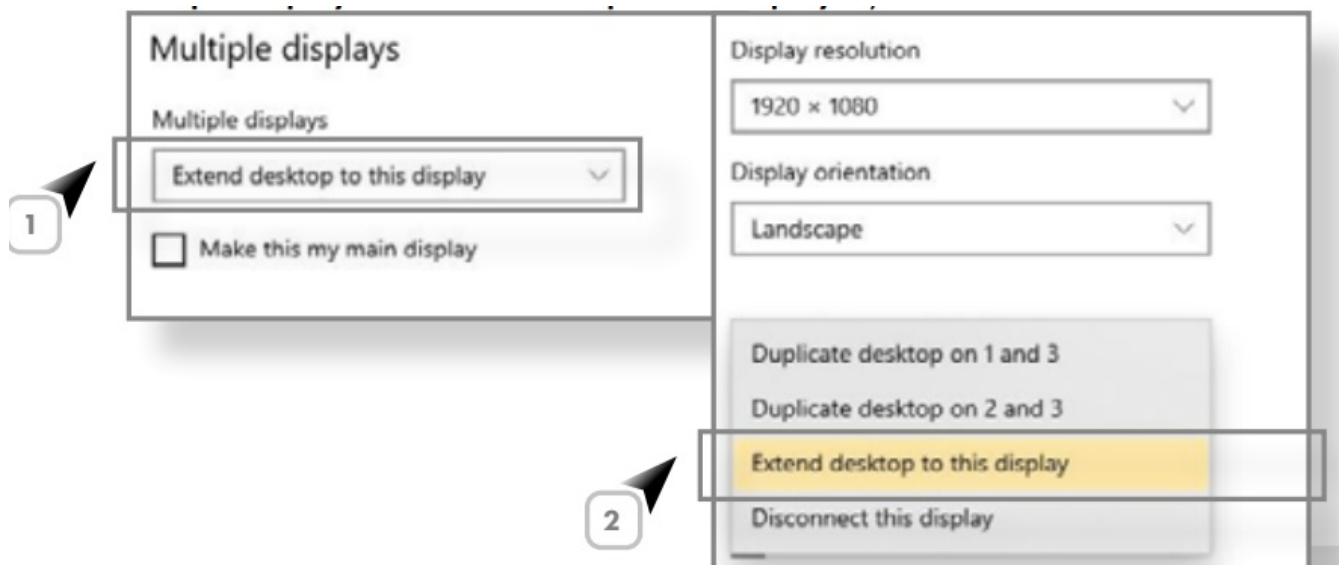
- Once the extra monitors are connected, they can be configured to either mirror mode, extended mode
- (Windows® only) or they can be configured to the primary display setting. e.g: extending your monitors
- Position the mouse anywhere on the Windows® desktop
- Right-click and select Display settings to bring up the configuration window



- Refer to the Display configuration section



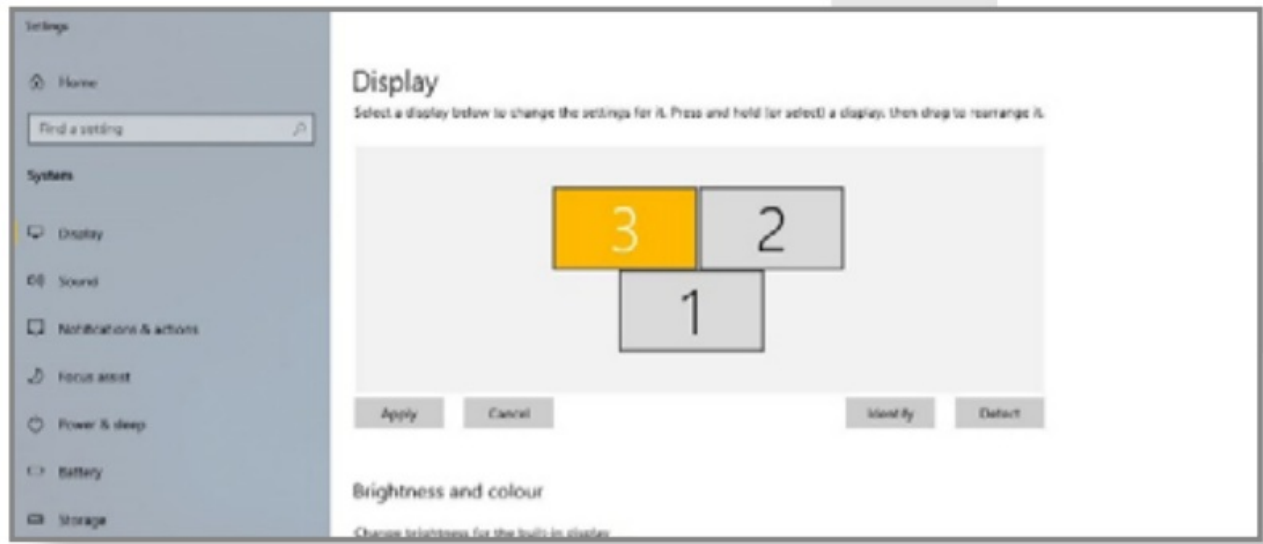
- Identify your monitors by clicking the Identify button.
- Select the relevant monitor for the following settings by clicking the identified monitor symbol
- Select Multiple displays > Extend desktop to this display if you wish to extend a monitor



- Click Keep changes to confirm and exit.



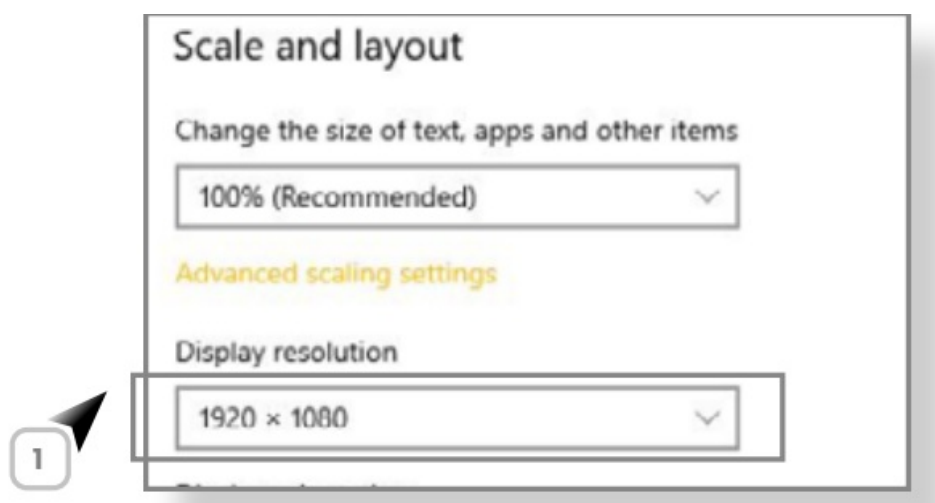
- Once the setting is completed, simply drag and drop the application icons to arrange your monitors. (However, some applications may not support display on the extended desktop)



## Setting the right resolution and frequency of your displays

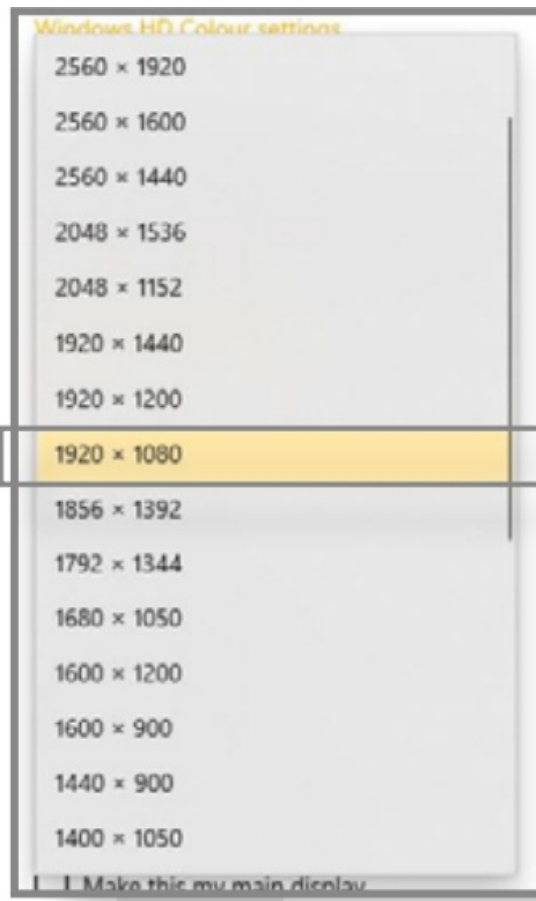
### Standard

- Identify your monitors by clicking the Identify button.
- Select the relevant monitor by clicking the identified monitor symbol
- Click on Display resolution

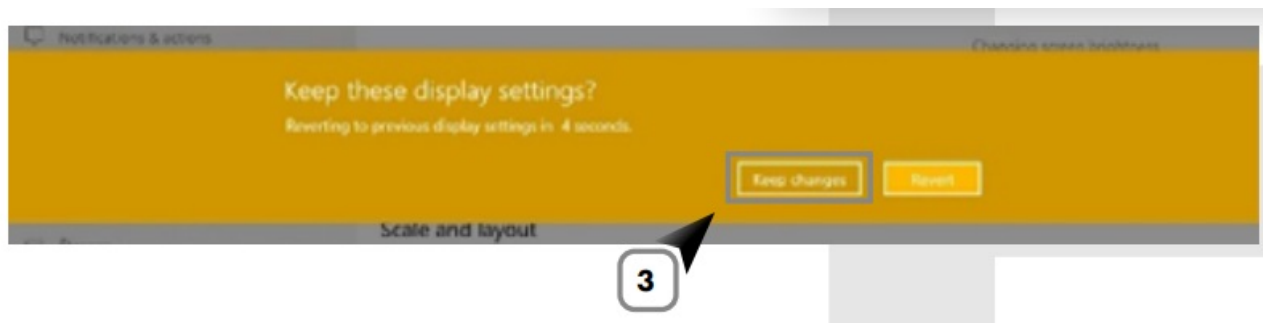


- Choose the right resolution from the drop-down menu. Refer to the video matrix table!





- Click Keep changes to confirm and exit



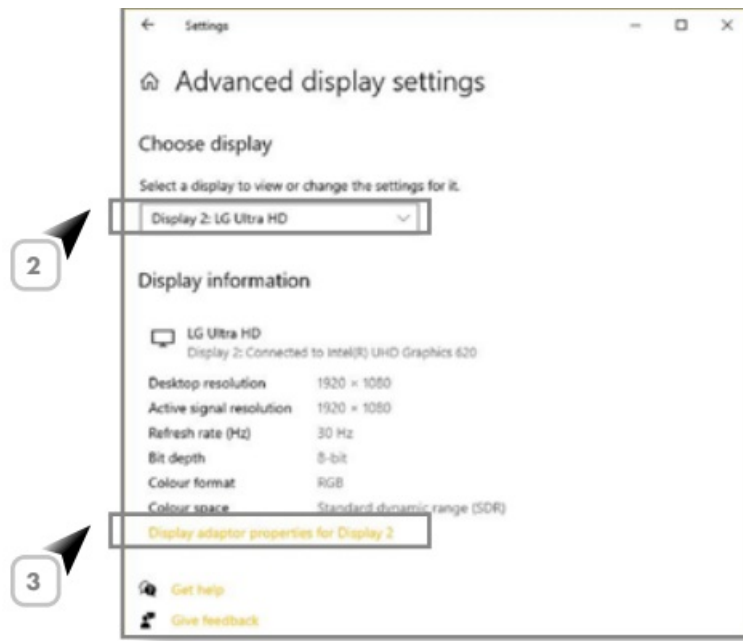
## Advanced display settings

- Identify your monitors by clicking the Identify button.
- Click on Advanced display

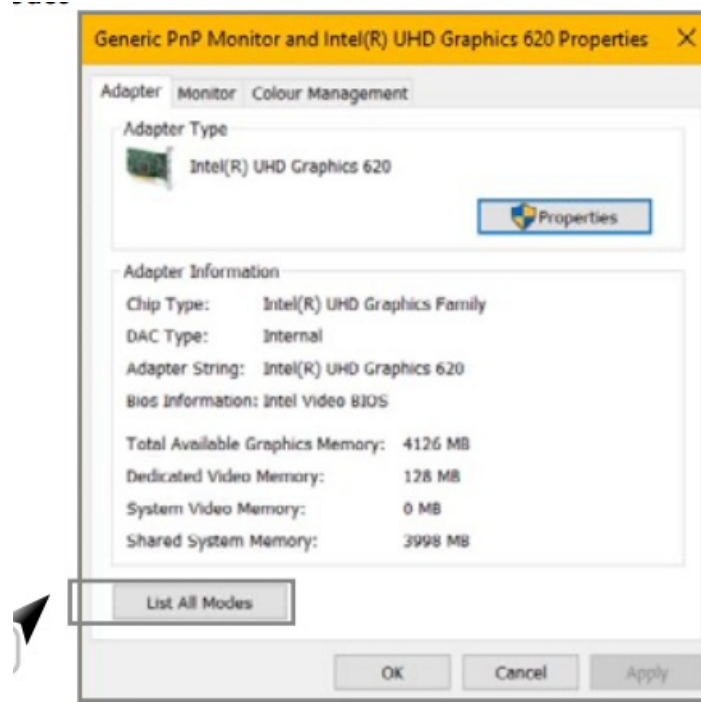


- A new page opens up Select the relevant monitor by clicking Choose display Click on Display adapter

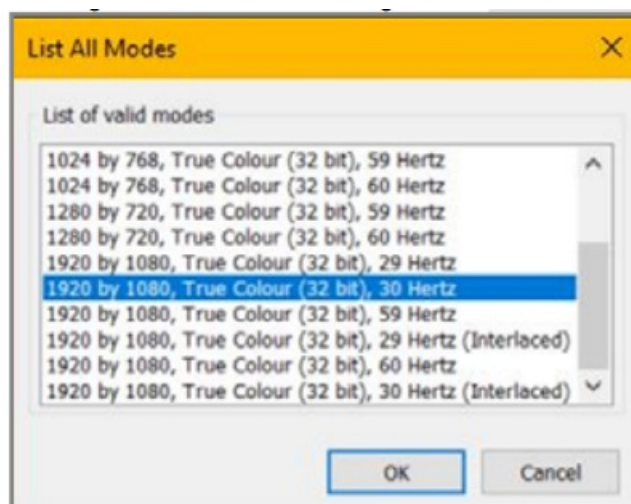
properties for display X



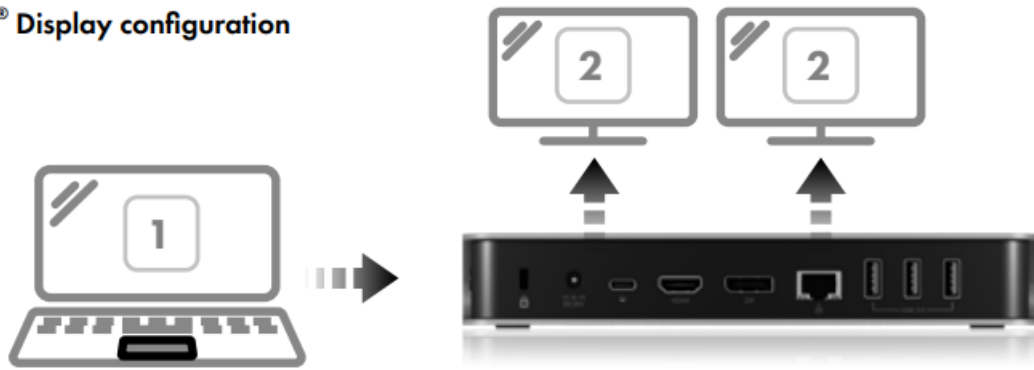
- A new window opens up Click on List All Modes



- A new window opens up Click on a valid mode according to the video matrix design table shown above



## macOS® Display configuration



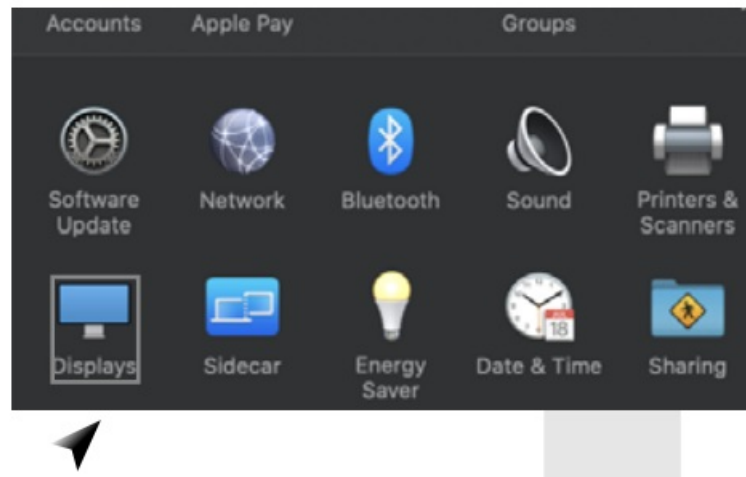
### Arrange your display

Once the extra monitors are connected, they can be configured to mirror mode or extended mode (for only one additional monitor, a second monitor will only be mirrored)

- Click on System Preferences



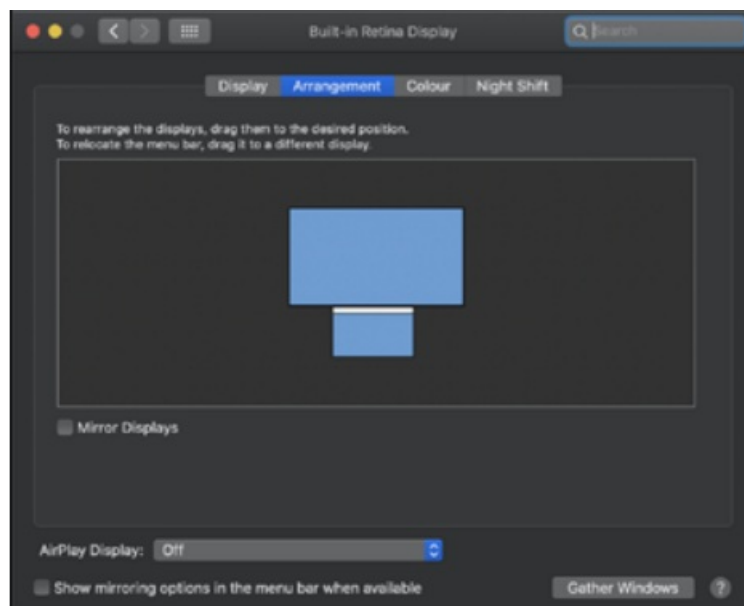
- Click on Displays
- 



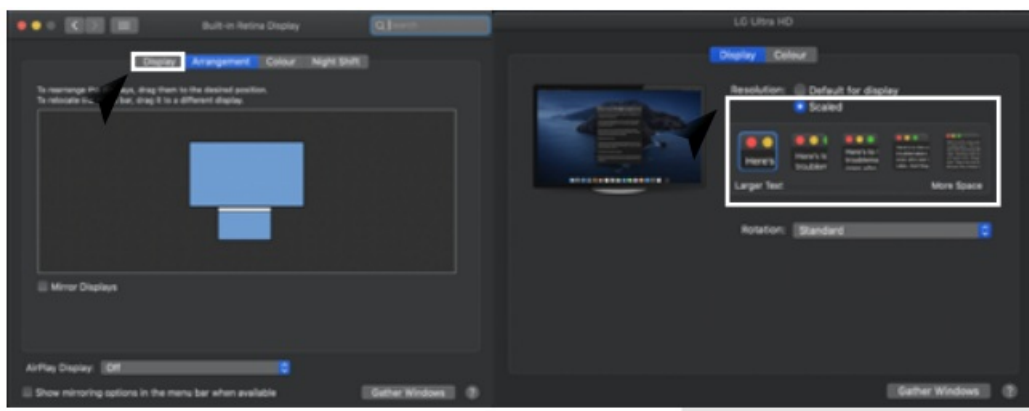
A new window opens up – Click Arrangement



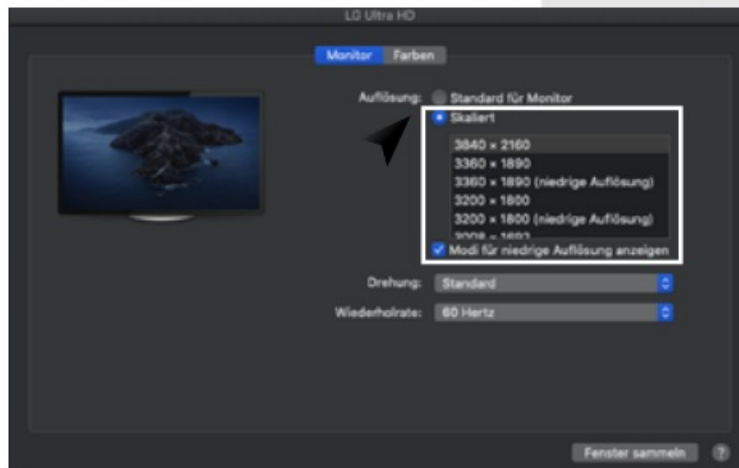
- Select the corresponding monitor symbol by clicking and holding the symbol of the monitor to be placed.




- To set up scaled resolutions of the monitor displays, click the Display tab and then –in the opened window of the respective display– set your desired views separately. Select the Scaled option and then select the appropriate size in the field below.



- Advanced display settings Hold down the option key, click again on Scaled and an advanced menu for resolution settings and repeat frequency settings opens up. Please select your preferred settings here



## Documents / Resources

 <p>ICY BOX Manual IB-DK2408-C USB Type-C Notebook Docking Station Handbook IB-DK2408-C USB Type-C Notebook Docking Station</p>	<p><a href="#">ICY BOX IB-DK2408-C USB Type-C Notebook Docking Station</a> [pdf] Instruction Manual IB-DK2408-C, USB Type-C Notebook Docking Station, IB-DK2408-C USB Type-C Notebook Docking Station</p>
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## References

- [Info-tri | Ministères Écologie Énergie Territoires](#)