Manuals+ — User Manuals Simplified.

ICY BOX IB-DK2416-C USB Type-C Notebook Docking Station User Manual

Contents

ICY BOX IB-DK2416-C USB Type-C Notebook Docking Station

Please read carefully the following information to prevent injuries, damage to material and devices as well as data loss:

Warning levels
Signal words and safety codes indicate the warning level and provide immediate information in terms of the probability of occurrence as well as the type and severity of the consequences if the measures to prevent hazards are not complied with.

DANGER

- Warns of a directly hazardous situation causing death or serious injury.

WARNING

- Warns of a potentially hazardous situation that may cause death or serious injury.

CAUTION

- Warns of a potentially hazardous situation that may cause minor injury.

IMPORTANT

- Warns of a potential situation that may cause material or environmental damage and disrupt operative processes.

Risk of electrical shock

WARNING
Contact with parts conducting electricity 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

Hazards during assembly (if intended) Sharp components

CAUTION
Potential injuries to fingers or hands during assembly (if intended)

- Read the operating instructions prior to assembly
- 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

Hazards caused by a development of heat Insufficient device/power unit ventilation

IMPORTANT

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

Hazards caused by very small parts and packaging

WARNING
Risk of suffocation

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

Potential data loss

IMPORTANT

Data lost during commissioning 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

Cleaning the device

IMPORTANT Harmful cleaning agents 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

Disposing of the device

IMPORTANT

Environmental pollution, unsuitable for recycling Potential environmental pollution caused by components, recycling circle interrupted This icon on product and packaging indicates that this product must not be disposed of as part of domestic waste. In compliance with the Waste Electrical and Electronic Equipment Directive (WEEE) this electrical device and potentially included batteries must not be disposed of in conventional, domestic waste or recycling waste. If you would like to dispose of this product and potentially included batteries, please return it to the retailer or your local waste disposal and recycling point.

If you have any questions, please do not hesitate to contact our support at **support@raidsonic.de** or visit our website at **www.icybox.de**.

Package content

1x IB-DK2416-C, 1x external power supply, 1x EU power cable, 1x USB Type-C® to Type-C® cable, 1x VESA mount (75×75, 100×100), 6x screw, 1x screw driver, 1x manual

View

1. Power button
2. LED for power (blue)
3. USB 3.2 Gen 1 Type-A interface, data transfer rates up to 5 Gbit/s and 5 V/2.1 A charging support

4. microSD 3.0 (UHS-I) card reader, data transfer rates up to 100 MB/s

5. SD 3.0 (UHS-I) card reader, data transfer rates up to 100 MB/s

6. 3.5 mm headset combo jack
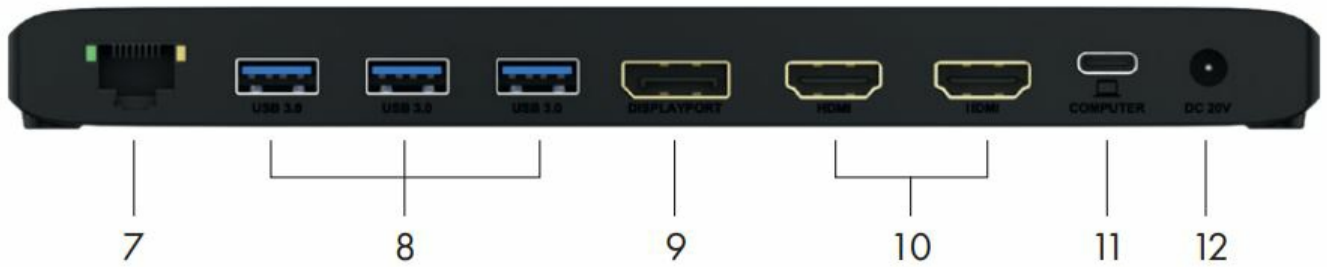
7. Gigabit LAN RJ45 interface

8. 3x USB 3.2 Gen 1 Type-A interface, data transfer rates up to 5 Gbit/s and 5 V/0.9 A charging support

9. DisplayPort™ 1.4 interface with up to 3840×2160@60 Hz

10. 2x HDMI® 2.0 interface with up to 3840×2160@60 Hz

11. USB Type-C® host computer interface (UFP) with Power Delivery support up to 65 watts

12. Power jack for external power supply, DC 20 V/5 A, 100 watts

13. Kensington Security Slot™

14. Screw threads for VESA plate
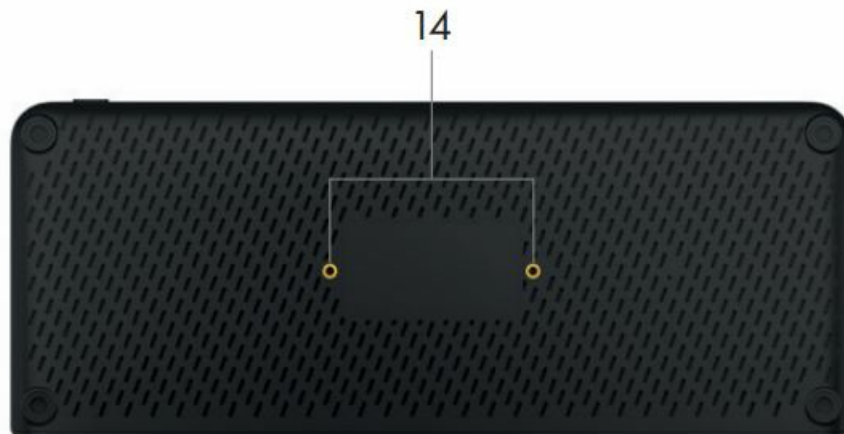
Requirements

- USB Type-C® enabled Windows® / macOS® computer
- Power Delivery and DP Alt Mode support
- Maximum resolution of 4K@60 Hz only via Type-C® DP Alt Mode supported host computers with DP 1.4 (DSC)
- The device is compatible with Thunderbolt™ 3 / 4 equipped computers

USB Type-C®

Not all USB Type-C® host ports support the full functionality of the USB Type-C® standard. Some ports might only provide data transfer without supporting Power Delivery or DP Alt Mode over USB.
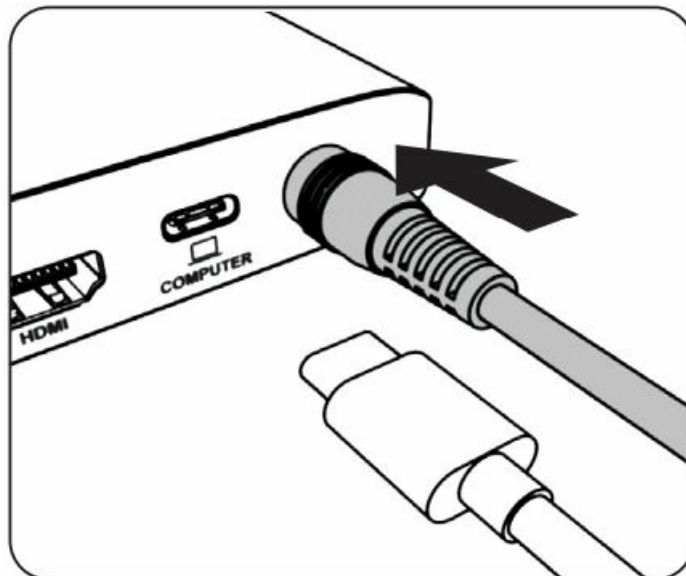
USB Type-C™ ≠ USB Type-C™

Important!
This ICY BOX product requires the usage of DisplayPort™ Alt Mode technology over the USB Type-C™ connector. Not all computers, notebooks or tablets with a USB Type-C™ interface support the DisplayPort™ Alt Mode. Please check the specifications of your computer system as well as its USB Type-C™ interface or use the ICY BOX product with a Thunderbolt™ 3 connector.

To use this dock to its full potential, make sure that the host USB Type-C® port of your computer supports USB Power Delivery and DP Alt Mode or Thunderbolt™ 3 / 4. Please consult your host PC documentation or contact the PC manufacturer to confirm compatibility with these technologies. For safety, check whether the host PC Bios Version is the latest and confirm compatibility with USB Type-C® Power Delivery and/or DP Alt Mode before application.

Starting up

1. Plug in the external power supply
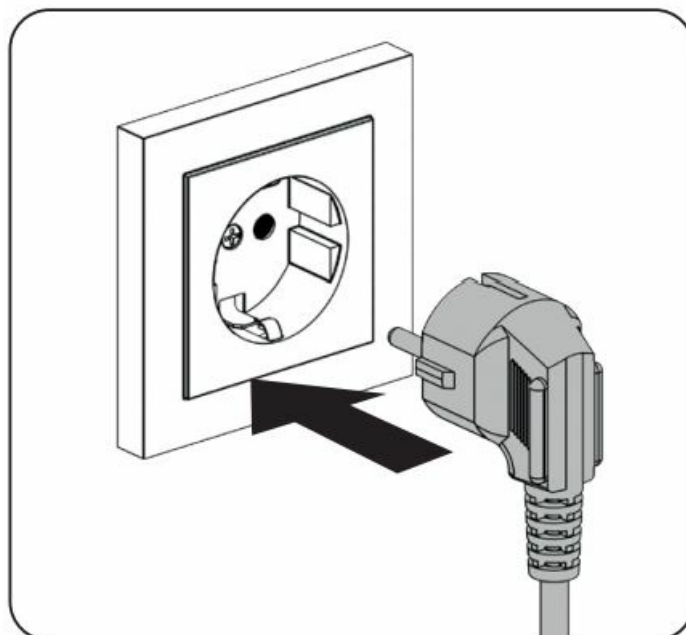
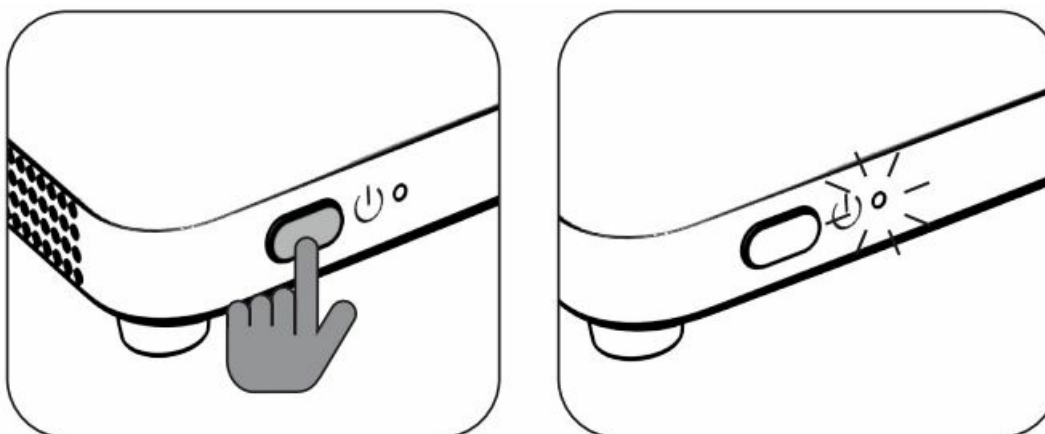2. Connect the USB Type-C® to Type-C® cable to the USB Type-C® host interface of the dock.

3. Connect the USB Type-C® to Type-C® cable to the supported USB Type-C® interface of your computer.
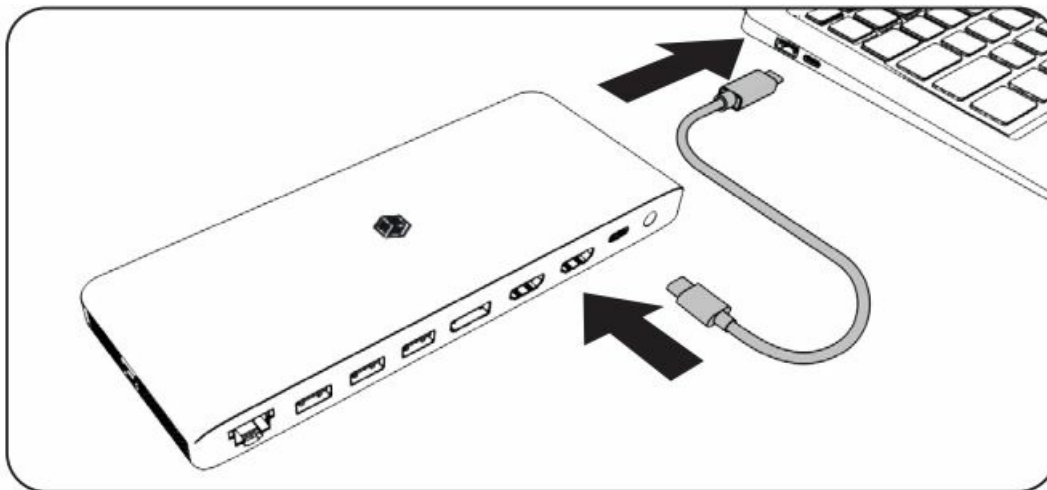
4. Connect your devices to the corresponding interfaces of the dock.
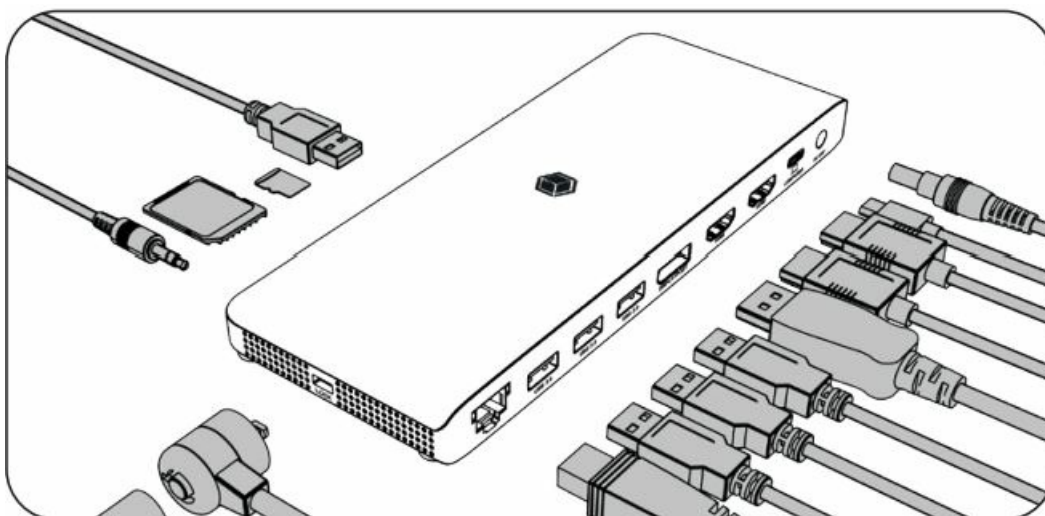
5. Switch on the device


Power button function

To power ON: Briefly press the ON/OFF button to switch on the unit. Both, the DockingStation and your connected notebook should now be powered and the DockingStation's blue power LED will light up.
To power OFF: Briefly press the ON/OFF button to switch off the unit.

Optional

The included ICY BOX DockingStation VESA mount is a practical extension panel that can be used to extend the available VESA mount behind the monitor. Easy to mount and very useful. Wiring with a DockingStation is tidy and also provides more space for your work area.

- Attach the supplied VESA mount (supports 75×75 and 100×100) with the two M2 screws provided as shown below.
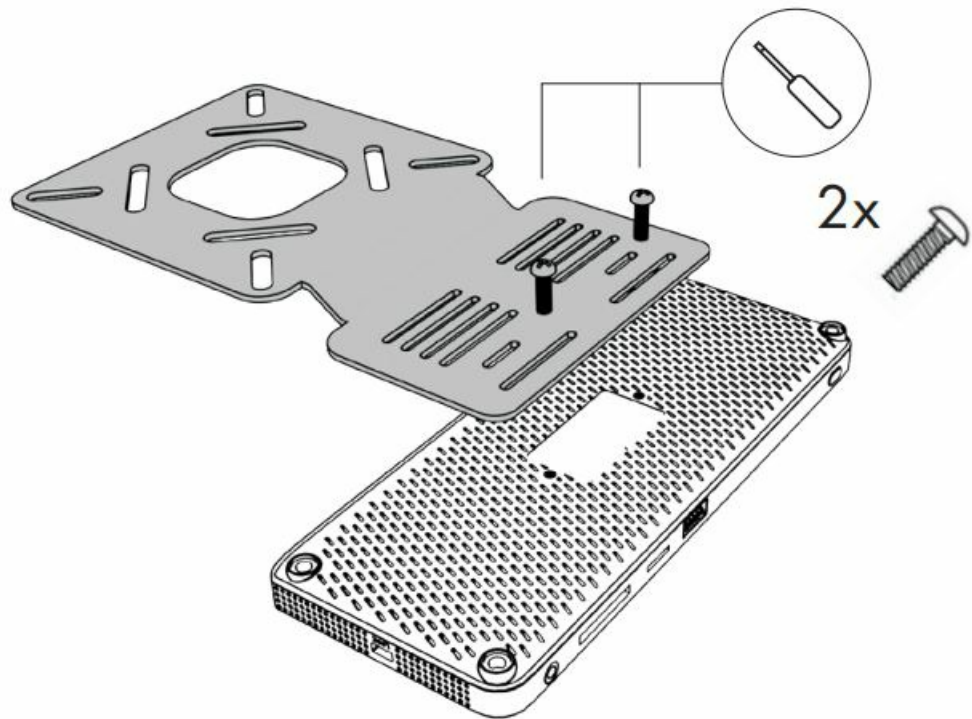

- Now attach the assembled unit directly to the VESA mount of a supported monitor (75×75 or 100×100) using the four M4x12 mm screws supplied.
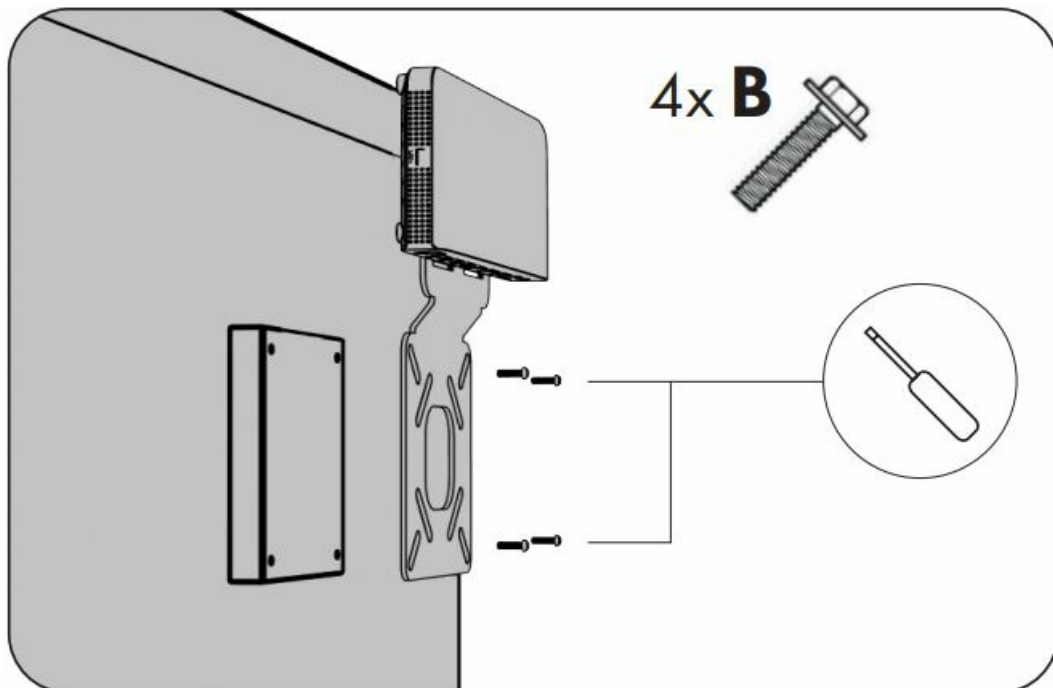
- If you are using a monitor arm, position the unit between the VESA mount of the monitor and the VESA mount of the monitor arm as shown below and secure it with the four M4x12 mm screws provided.
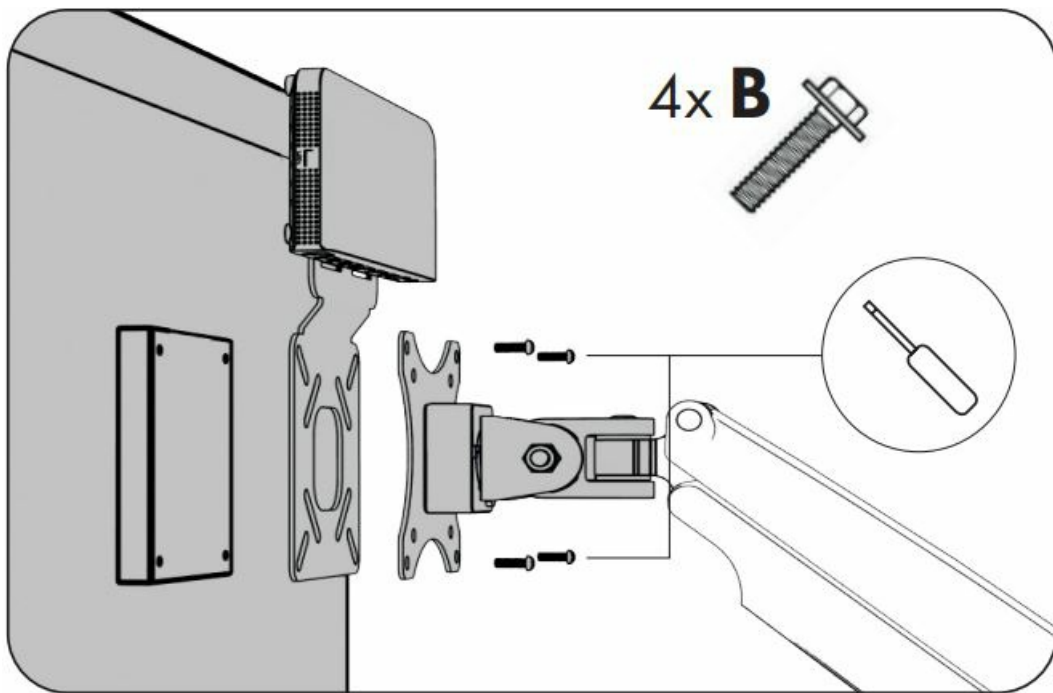
Select the orientation as required: upwards, downwards or to the side.
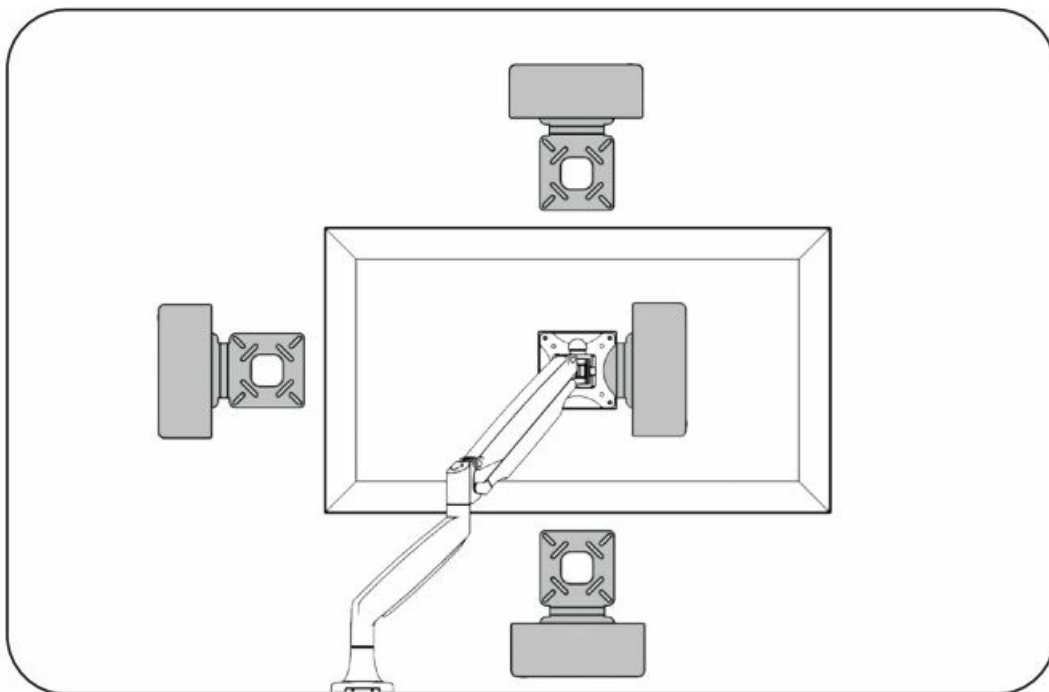
Use of memory card slots

SD card (UHS-I)
Insert the SD card into the SD card slot with the bevelled corner first. The golden PINs of the card must show downwards.

microSD card (UHS-I)
Insert the microSD card into the microSD card slot with the bevelled corner first. The golden PINs of the card must show downwards.

Multi-LUN card readers allow the use of two cards simultaneously.

Configure a display device

Please set up your display settings according to your operating system and requirements. For detailed information refer to the corresponding operation manual and descripti-on of your operating system.

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

Supported video resolutions

The IB-DK2416-C supports 4K (ultra HD) resolutions if the connected displays and the graphics unit support it.

Video matrix (USB Type-C® DP Alt Mode, DP 1.2), maximum resolutions (Windows)

Number of displays	Inputs (plug-in)			Output		
	HDMI® 1	HDMI® 2	DP	HDMI® 1	HDMI® 2	DP
Triple video output	✓	✓	✓	1600x900@60 Hz	1600x900@60 Hz	1600x900@60 Hz
Dual video output	✓	✓		1920x1080@60 Hz	1920x1080@60 Hz	
		✓	✓		1920x1080@60 Hz	1920x1080@60 Hz
	✓		✓	1920x1080@60 Hz		1920x1080@60 Hz
Single video output	✓			3840x2160@30 Hz		
		✓			3840x2160@30 Hz	
			✓			3840x2160@30 Hz

Video matrix (USB Type-C® DP Alt Mode, DP 1.4 DSC), maximum resolutions (Windows)

Number of displays	Inputs (plug-in)			Output		
	HDMI® 1	HDMI® 2	DP	HDMI® 1	HDMI® 2	DP
Triple video output	✓	✓	✓	3840x2160@30 Hz	3840x2160@30 Hz	3840x2160@30 Hz
Dual video output	✓	✓		3840x2160@60 Hz	3840x2160@60 Hz	
		✓	✓		3840x2160@60 Hz	3840x2160@60 Hz
	✓		✓	3840x2160@60 Hz		3840x2160@60 Hz
Single video output	✓			3840x2160@60 Hz		
		✓			3840x2160@60 Hz	
			✓			3840x2160@60 Hz

Video matrix (USB Type-C® DP Alt Mode), maximum resolutions (macOS)

| Number of displays	Inputs (plug-in)			Output		
	HDMI® 1	HDMI® 2	DP	HDMI® 1	HDMI® 2	DP
1/2/3-fold video output	✓	✓	✓	3840x2160@60 Hz only mirrored (SST)		

Windows® display configuration

NOTE: The screenshots might vary slightly with the operating system. Extended monitor application under MST technology (MultiStreamTrans-port protocol)

Arrange your displays
Once the extra monitors are connected, they can be configured to either mirror mode, extended mode or to the setting of the primary display.

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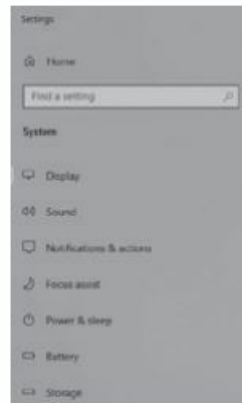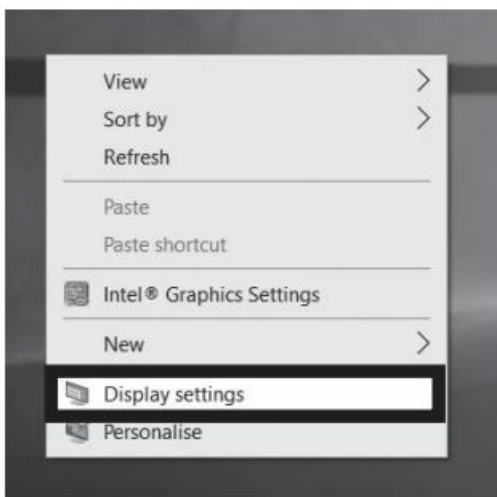
- Identify your monitors by clicking the Identify button.
- Select the relevant monitor for the following settings by clicking the identified monitor symbol
- Select Multiple displays > Extend desktop to this display if you wish to extend a monitor.

- Click Keep changes to confirm and exit.
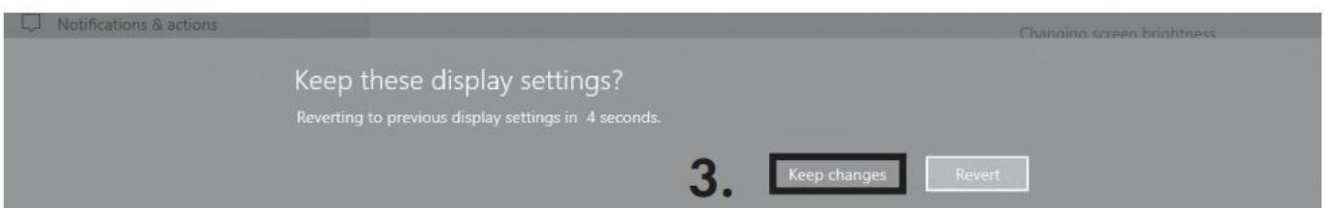
- Once the setting is completed, simply drag and drop the application icons to arrange your monitors. (However, some applications may not support the display on the extended desktop).
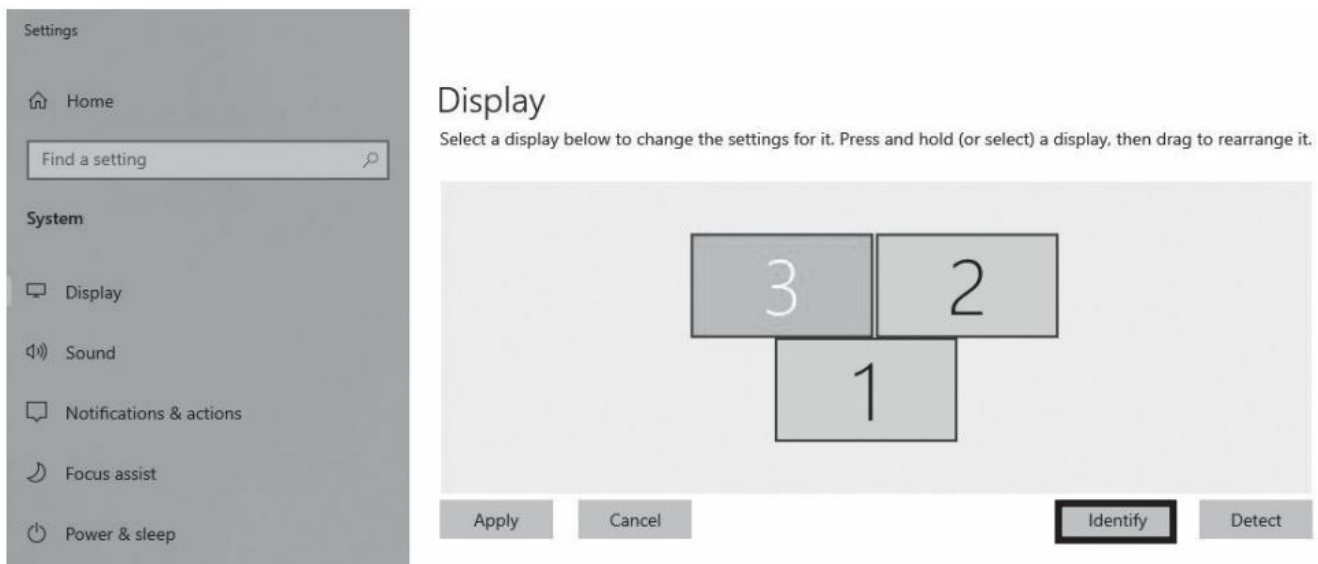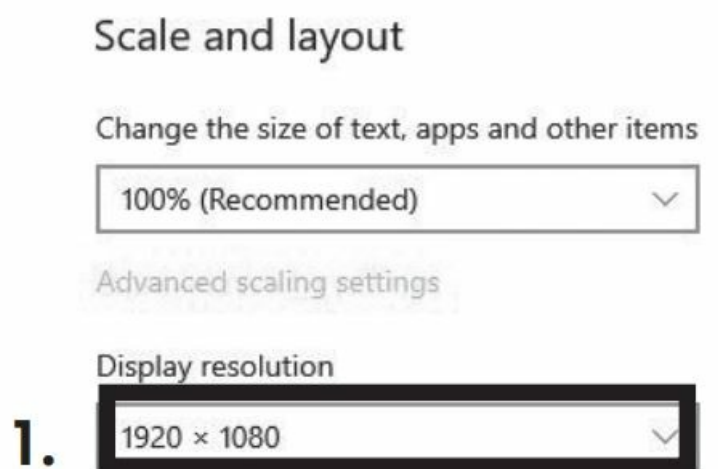
Setting the right resolution and frequency of your displays

There are two possibilities to choose the resolution of the selected monitor:

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.
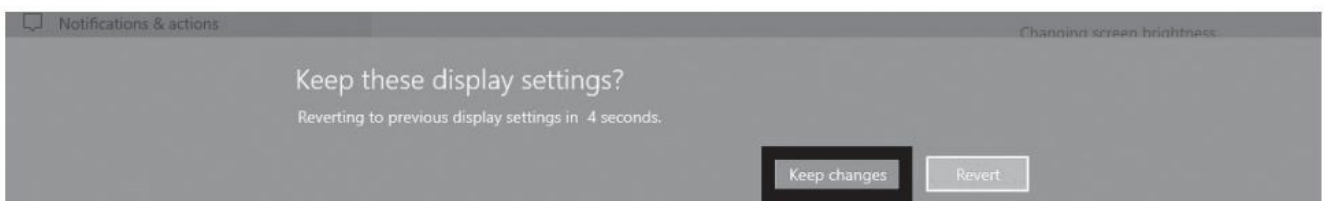
Advanced display settings

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

A new page opens up

- Select the relevant monitor by clicking Choose display
- Click on Display adaptor properties for Display X
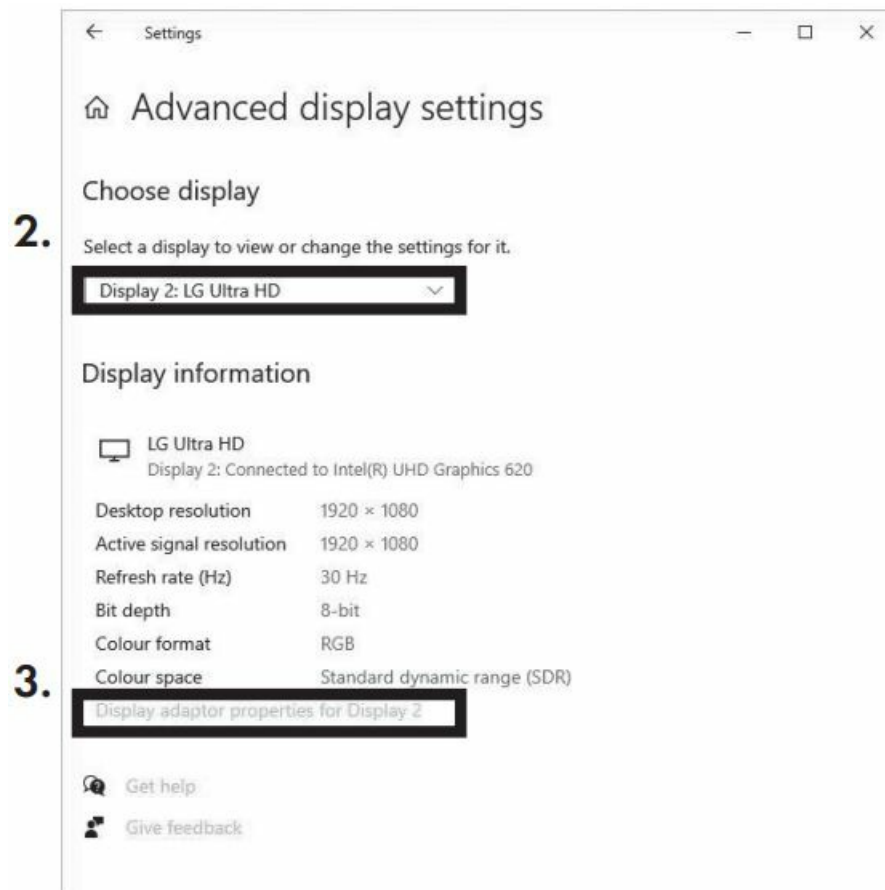
A new window opens up

- Click on List All Modes
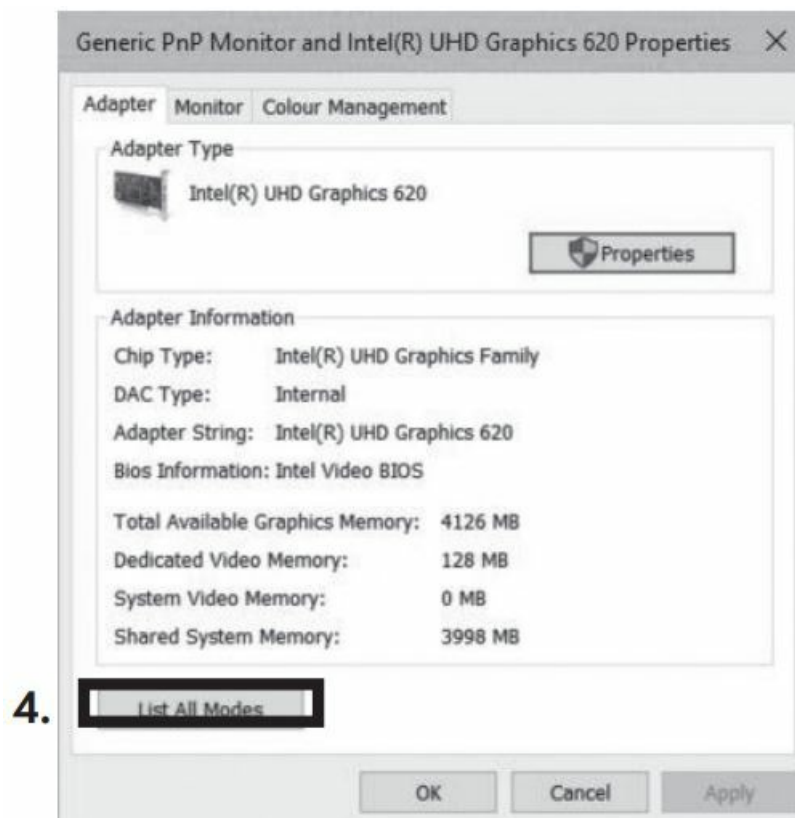
A new window opens up

- Click on a valid mode according to your demands.
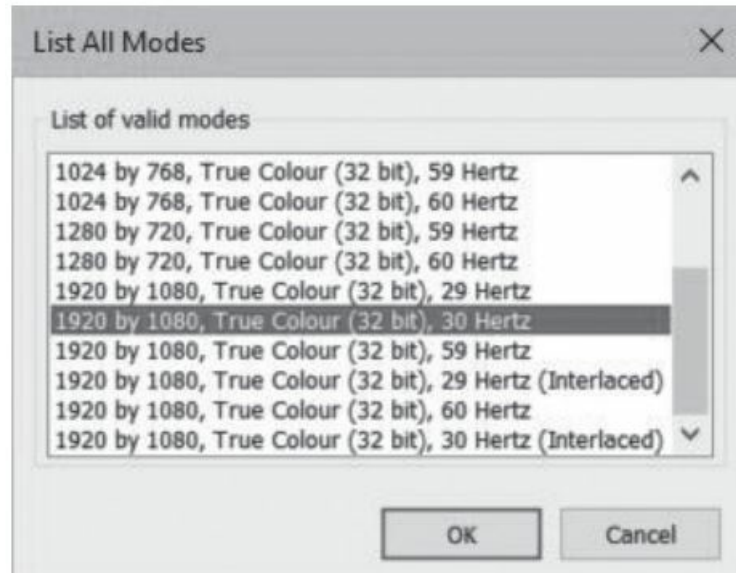
Repeat for each attached monitor if necessary.

macOS® Display configuration
Once the extra monitors are connected, they can be configured to mirror mode or extend mode.

- Click on System Preferences

- Click on Displays
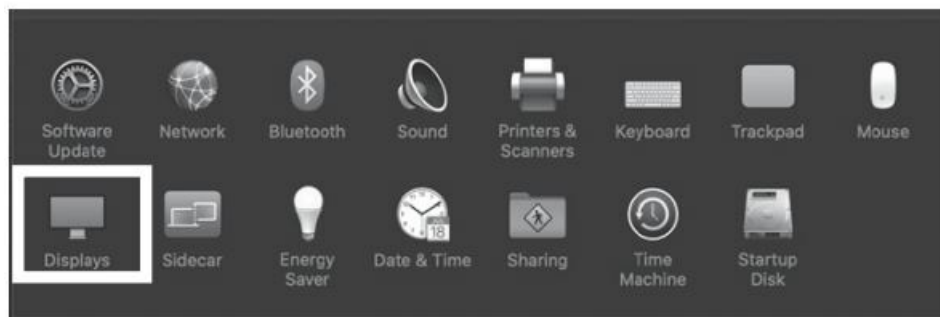
A new window opens up

- Click Arrangement

- Select the corresponding monitor symbol by clicking and holding the symbol of the monitor that shall be placed in order to do the positioning.
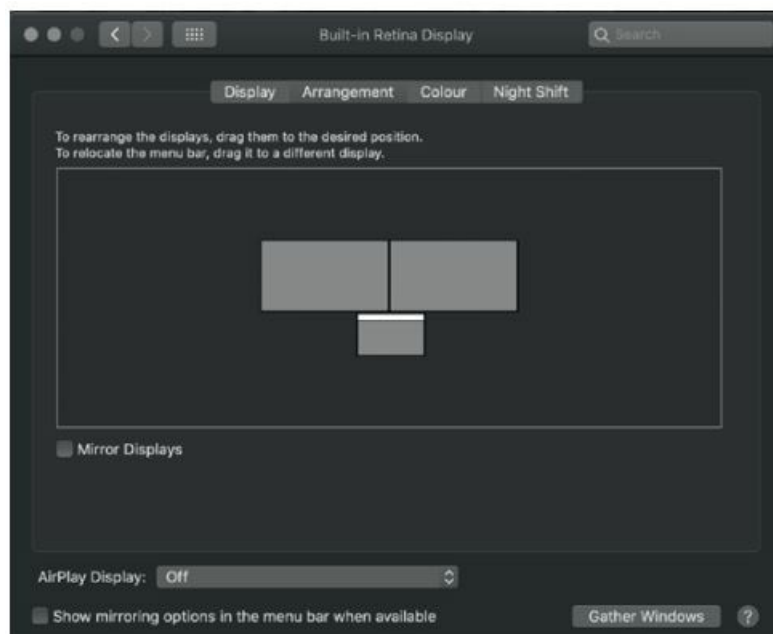
To set up scaled resolutions of the monitor displays, click the Display tab. In the window that now opens for the respective display, you can set your desired resolutions separately. Select the option Scaled and then select the appropriate size in the field below.
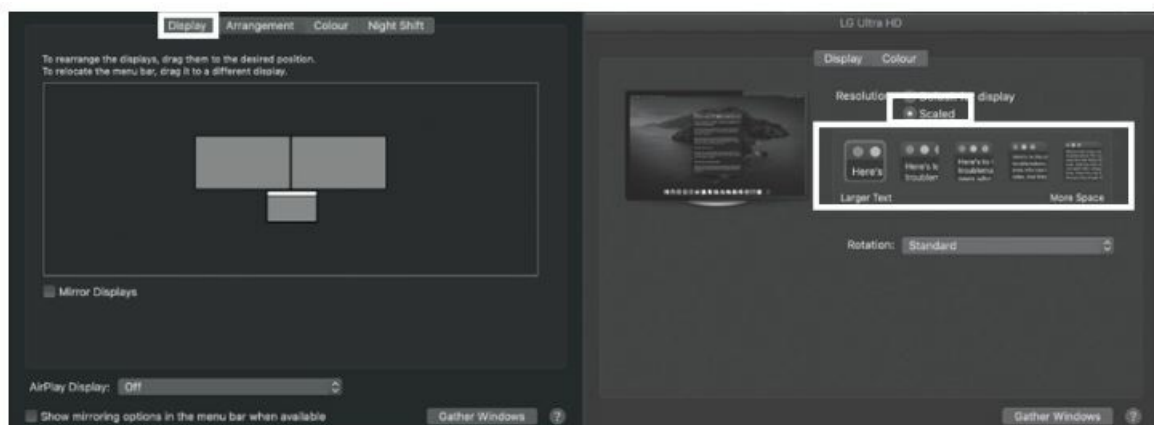
Hold down the option key and click on Scaled again and an advanced menu for setting resolution and repetition

frequency opens.
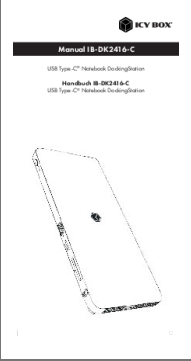
- Please select your preferred settings here.
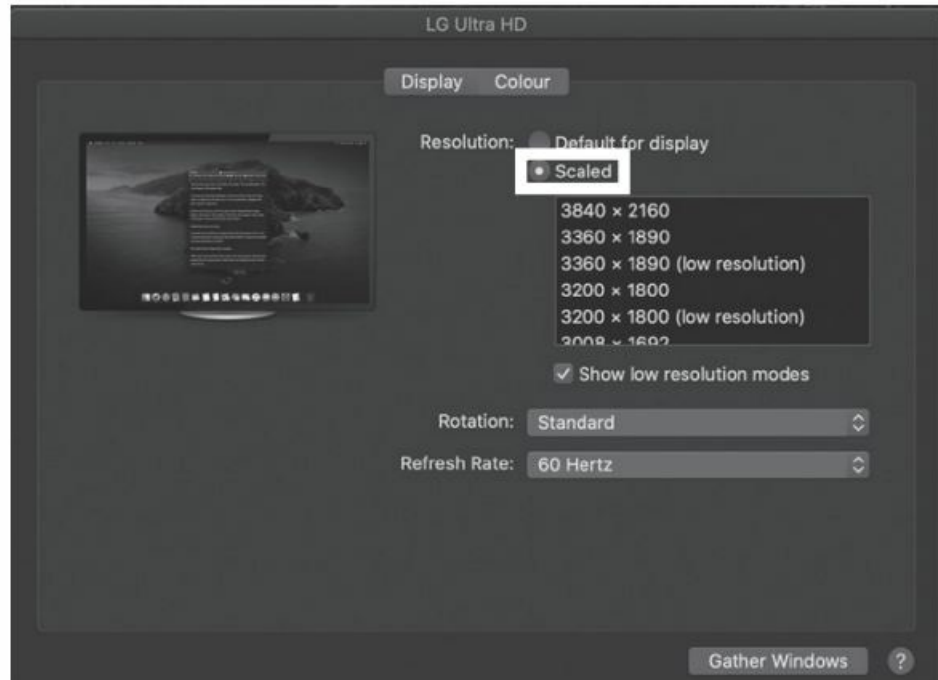
- Repeat for each attached monitor if necessary.
- **www.quefairedemesdechets.fr**

Documents / Resources

ICY BOX IB-DK2416-C USB Type-C Notebook Docking Station [pdf] User Manual
IB-DK2416-C USB Type-C Notebook Docking Station, IB-DK2416-C, USB Type-C Notebook Docking Station, Notebook Docking Station, Docking Station, Station

References

- **∧ Info-tri | Ministères Écologie Énergie Territoires**