Manuals+ — User Manuals Simplified.

ICY BOX IB-DK2244AC Type-C Docking Station with Triple Video Output Instruction Manual

Contents

ICY BOX®

ICY BOX IB-DK2244AC Type-C Docking Station with Triple Video Output

Safety information

Please read carefully the following information to prevent injuries, damage to material and device 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-energised 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)

CAUTION
Sharp components
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

IMPORTANT
Insufficient device/power unit ventilation 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 Elec-trical and Electronic Equipment Directive (WEEE) this electrical device and potentially included batteries must not be disposed of in conventional, dome-stic 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.

The included batteries must be completely discharged before return. Take precaution to protect the batteries from short circuits (e.g. by insulating the contact poles with adhesive tape).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**.
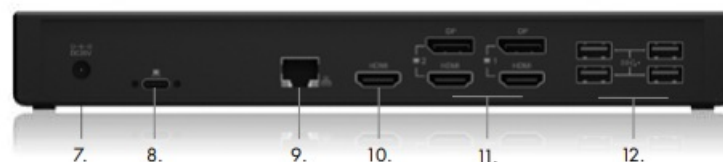
Manual IB-DK2244AC

Package content
IB-DK2244AC, power supply, power cable, USB Type-C® cable including USB 3.0 Type-A adapter (100 cm), quick installation guide

Front view

1. Power button

2. LED for Power and access

3. USB 3.0 Type-C® data interface

4. USB 3.0 Type-A data interface + 1.5 A charging

5. Headset interface

6. Microphone interface

Rear view

7. Power jack

8. USB Type-C® host PC interface

9. RJ45 Ethernet interface / Gigabit

10. HDMI® interface up to 4k@30Hz

11. 2x DisplayPort® and 2x HDMI® interfaces up to 4k@60Hz/each monitor

12. 4x USB 3.0 Type-A data interfaces

Requirements

- Host PC 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
  Note: The docking station can still connect to a host computer with a USB Type-C® port that does not support Power Delivery (must still support DisplayPort® Alt Mode). In this configuration, the docking station will not provide power to your host computer.
- Available AC electrical outlet
- HDMI® and DisplayPort® enabled displays with cable as needed (for additional external display)
- 4K-capable displays are required to achieve 4K resolutions
- Any of the following operating systems: Windows® 10, macOS®
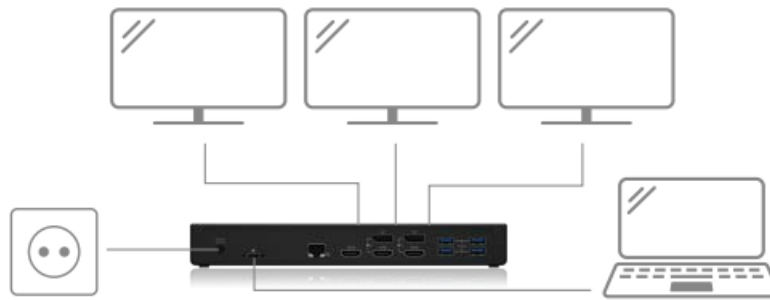
Starting up

Install the Driver!

Caution: Do not connect the DockingStation to your computer before installing the driver from the download area of: **https://www.displaylink.com/downloads**

Windows®:

- Download the correct driver from webpage above.
- Click on "Run Setup.exe".
- Follow the instructions and finish the driver installation.
- Connect the DockingStation to a supported USB Type-C® or USB 3.0 Type-A port on the PC.
- Restart the PC.
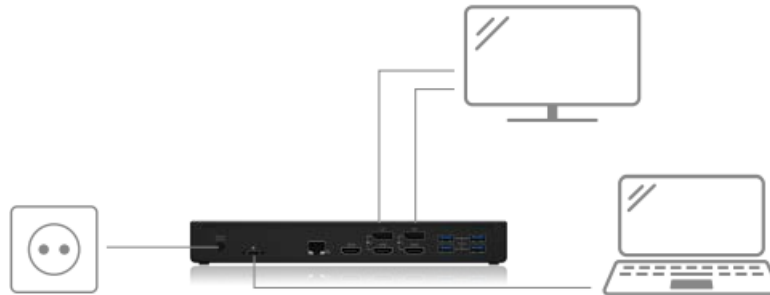- The IB-DK2244AC is ready to be used.

macOS®:

- A. Download the correct driver from webpage above.
- B. Run the file Mac_driver\ driver.dmg by double click.
- C. Follow the instructions and finish the driver installation.
- D. Connect the DockingStation to a supported USB Type-C® or USB 3.0 Type-A port on the macOS® computer.
- E. Restart the computer.
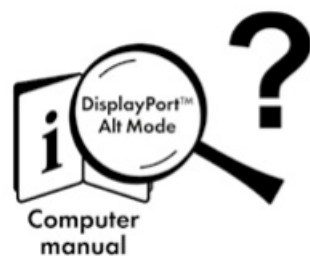- F. The IB-DK2244AC is ready to be used.

Connection of one computer to one 5K DisplayPort® monitor
You can set up one 5K display by using the two video output ports 1 and 2 of your IB-DK2244AC (2x DisplayPort®).
Connect your supported 5K monitor to both DisplayPort® interfaces by using certified DisplayPort® cables (not included).

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 without supporting Power Delivery or DP Alt Mode over USB.

USB Type-C® ≠ USB Type-C®

Wichtig!
Dieses ICY BOX Produkt verwendet den USB Type-C® Anschluss und nutzt die *DisplayPort™ Alt Mode* Technologie.
Nicht alle Computer, Notebooks oder Tablets mit USB Type-C® Schnittstelle unterstützen auch den *DisplayPort™ Alt Mode*.

Bitte überprüfen Sie die Spezifikationen Ihres Computersystems und dessen USB Type-C® Schnittstelle oder nutzen Sie das ICY BOX Produkt an einem Thunderbolt™ 3 Anschluss.

To use this dock to its full potential, ensure that the host USB Type-C® port of your computer supports USB Power Delivery, DP Alt Mode or Thunderbolt® 3. 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 or not and confirm compatibility with USB Type-C® Power Delivery and/or DP Alt Mode before application.

Information about the attached USB Type-C® to Type-A adapter.For better connection compatibility with host computers that only have a USB 3.0 Type-A interface, we have added an additional USB Type-C® to Type-A adapter attached to the cable. Should you wish to use this adapter on your computer, please note the following technical restriction when using the docking station via a Type-A port: In this case the Type-A interface does in no way support DisplayPort® Alt Mode, which is a prerequisite for the HDMI® 3 interface to function and the Power Delivery charging option.

Attention!

- **In case your computer supports only the DP Alt Mode protocol, and DisplayLink® drivers are not installed:**

  Only Display 3 (3840×2160@30 Hz) interface can be used.

- **In case your computer does not support the DP Alt Mode protocol, and only USB 3.0 and installed DisplayLink® drivers are available:**

  Only Display 1 (3840×2160@60 Hz) and Display 2 (3840×2160@60 Hz) interfaces can be used.

- **In case your computer supports both, the DP Alt Mode protocol and USB 3.0 with installed DisplayLink® drivers:**
  Display 1 (3840×2160@60 Hz), Display 2 (3840×2160@60 Hz) and Display 3 (3840×2160@30 Hz) interfaces can be used.
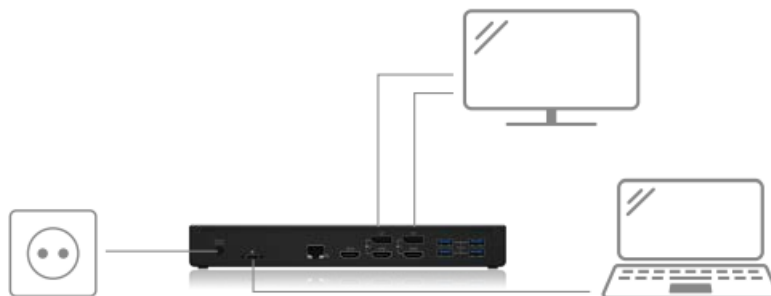- **Monitor connections**
  Connection of one computer to DisplayPort® or HDMI® monitors
  - You can set up three displays by using the video output ports of the IB-DK2244AC (2x DisplayPort® or 3x HDMI® or mixed).
  - Connect your monitors to the DisplayPort® (2) /HDMI® (3) interfaces by using certified DisplayPort®/ HDMI® cables (not included).
  - It is recommended to use monitors of the same size, type and resolution. Same monitor type means that the monitors have the same native resolution and display refresh rate.

Connection of one computer to one 5K DisplayPort® monitor
You can set up one 5K display by using the two video output ports 1 and 2 of your IB-DK2244AC (2x DisplayPort®).
Connect your supported 5K monitor to both DisplayPort® interfaces by using certified DisplayPort® cables (not included).

  Note: The DockingStation is compatible with most 5K-enabled monitors on the market. Please refer to **http://www.displaylink.com/downloads** to download the latest driver for better compatibility. Please set up your display settings according to your operating system and requirements. For detailed information of your operating system, consult the respective operation manual and description of your operating system.
- **Supported video resolutions**
  The DockingStation supports 3x 4K@30/60 Hz Ultra HD resolution if the connected DisplayPort®/ HDMI® displays support it (up to 3840×2160@30/60 Hz /each).
  or
  The DockingStation supports 1x 5K@60 Hz Ultra HD resolution if the connected DisplayPort® display supports it (up to 5120×2880@60 Hz).

Video matrix design (USB Type-C® DP Alt Mode + DisplayLink®, DP 1.4 HBR3), maximum resolutions						
	Inputs (plug-in)			Output		
Number of displays	Display 1	Display 2	Display 3	Display 1	Display 2	Display 3
Triple video output	✓	✓	✓	3840x2160@60 Hz	3840x2160@60 Hz	3840x2160@30 Hz
Dual video output	✓	✓		3840x2160@60 Hz	3840x2160@60 Hz	
		✓	✓		3840x2160@60 Hz	3840x2160@30 Hz
	✓		✓	3840x2160@60 Hz		3840x2160@30 Hz
		✓	✓	5120x2880@60 Hz		3840x2160@30 Hz
Single video output	✓			3840x2160@60 Hz		
		✓			3840x2160@60 Hz	
			✓			3840x2160@30 Hz

Video matrix design (USB 3.0 DisplayLink®, only Display 1 and Display 2), maximum resolutions						
	Inputs (plug-in)			Output		
Number of displays	Display 1	Display 2	Display 3	Display 1	Display 2	Display 3
Dual video output	✓	✓		3840x2160@60 Hz	3840x2160@60 Hz	
Single video output		✓			3840x2160@60 Hz	
	✓			3840x2160@60 Hz		
		✓		5120x2880@60 Hz		

Documents / Resources

	ICY BOX IB-DK2244AC Type-C Docking Station with Triple Video Output [pdf] Instruction Manual IB-DK2244AC, Type-C Docking Station with Triple Video Output, IB-DK2244AC Type-C Docking Station with Triple Video Output

References

- A [Info-tri | Ministères Écologie Énergie Territoires](#)
- [DisplayLink Downloads Page | Synaptics](#)

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