

## Thunderbolt 2 4K Laptop Docking Station - TB Cable Included

TB2DOCK4KDHC



\*actual product may vary from photos

DE: Bedienungsanleitung - [de.startech.com](http://de.startech.com)

FR: Guide de l'utilisateur - [fr.startech.com](http://fr.startech.com)

ES: Guía del usuario - [es.startech.com](http://es.startech.com)

IT: Guida per l'uso - [it.startech.com](http://it.startech.com)

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For the latest information, technical specifications, and support for this product, please visit [www.startech.com/TB2DOCK4KDHC](http://www.startech.com/TB2DOCK4KDHC)

## FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

## Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)

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# Introduction

## Packaging Contents

- 1x Thunderbolt™ 2 4K Laptop Docking Station
- 1x 1m Thunderbolt Cable
- 1x Universal Power Adapter
- 3x Power Cords (NA/UK/EU)
- 1x Instruction Manual

## System Requirements

- Thunderbolt-enabled computer system with available Thunderbolt port (Thunderbolt 2 port required for full performance)
- Available AC electrical outlet
- Windows® 10 (32-bit or 64-bit), 8 / 8.1 (32-bit or 64-bit), 7 (32-bit or 64-bit), Mac OS 10.9 and later (tested up to 10.11)
- HDMI®, DisplayPort™, or Thunderbolt display(s) with cables as desired (for external display support)
- A 4K-capable display is required to achieve 4Kx2K resolutions
- Dual-display configuration is available when connected to an HDMI + Thunderbolt display only

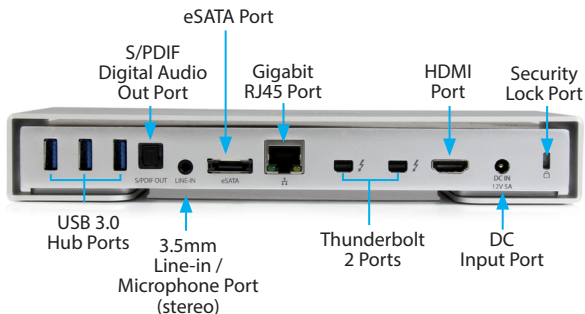
**Note:** If not connected to a Thunderbolt 2 port, performance may be limited. Operating system requirements are subject to change. For the latest requirements, please visit [www.startech.com/TB2DOCK4KDHC](http://www.startech.com/TB2DOCK4KDHC)

# Product Diagram

## Front View



## Rear View



# Installation

The Thunderbolt Docking Station is natively supported when connected to a compatible operating system (OS support listed above), and should automatically detect and install the required drivers once connected to the Thunderbolt 2 Port on your Thunderbolt 2-enabled computer system.

1. Connect the provided Power Cord for your region (NA, UK, or EU) to the provided Power Adapter, then to an AC electrical outlet. Then connect the Power Adapter to the DC Input on the Docking Station.
2. Connect one of the Docking Stations Thunderbolt 2 ports to an available Thunderbolt 2 port on your host computer system, using the provided Thunderbolt cable.

**Note:** On Windows systems, you may see a pop-up message requesting permission for the device to connect. Please click on the message, and on the following prompt, select Always Connect from the drop-down to enable the Thunderbolt Docking Station.

3. Connect an HDMI, Thunderbolt, or Mini DisplayPort display to the appropriate port(s) on the Docking Station, and then power on your display(s). The connected display(s) will be detected as a secondary display to your computer system by default (this can be adjusted in your operating systems display settings).

**Note:** See the Supported Display Configurations and Resolutions section below for dual display configuration requirements.

4. Connect any other devices as desired, including your RJ45 network connection, USB peripherals, eSATA device, SPDIF digital audio device, headset/speakers/microphone, and laptop security cable.

**Note:** The eSATA port supports port multiplier, with support for up to four drives through PM. To enable port multiplier in Windows operating systems, extract and install the ASMedia - ASM1061 driver from the **Support** tab located at: [www.startech.com/TB2DOCK4KDHC](http://www.startech.com/TB2DOCK4KDHC). Port multiplier is natively supported in Mac OS.

## Operation

### USB 3.0 Charging Downstream/Fast-Charge and Sync Port

The front USB 3.0 port on the Docking Station functions as both a Charging Downstream/Fast-Charge and Data Port, compliant with Battery Charging Specification Revision 1.2 (BC 1.2), letting you connect and charge devices quicker than a traditional standard USB 3.0 port.

This Charging Downstream Port (CDP) has the ability to fast-charge a connected device, even when not connected to a host system. When connected to a host computer system, the front USB 3.0 port will still function as both a fast-charge and a data throughput port. The three USB 3.0 ports on the rear of the Docking Station are standard USB 3.0 data throughput ports. Providing the Docking Station is connected to

a host laptop, these ports will provide a trickle charge to a selection of devices.

1. Connect your device to the USB 3.0 fast-charge port on the front of the Docking Station as desired. A connection to a host laptop is not required if using the ports for charging purposes only.

**Note:** The front USB 3.0 port will only fast-charge a connected device that complies with the USB Battery Charging Specification Revision 1.2.

## First Generation Apple® iPad® Charging (30-Pin Connector)

In certain scenarios, in order to charge the first generation Apple iPad, the iPad must be connected to the Docking Stations USB 3.0 fast-charge port following the below procedure.

1. Without a laptop connected to the Docking Station, connect the iPad to the Docking Stations USB 3.0 fast-charge port to initiate “charge” mode with your connected iPad.
2. When a first generation iPad is connected to the Docking Station, and the Docking Station is then connected to a host laptop, the iPad may switch to data sync mode only.
3. To reset and switch back to “charge” mode, disconnect the laptop from the Docking Station.
4. Once the host laptop is disconnected from the Docking Station, disconnect and reconnect the iPad to the Docking Station.

**Note:** The above process only applies to iPads with the 30-Pin connector. iPads with a Lightning™ connector can be charged as normal using the Docking Stations USB 3.0 fast-charge port.

## Display Configuration

Use your Windows or Mac operating system to adjust display settings for multiple monitors.

## Supported Display Configurations and Resolutions

- Dual display configuration can be achieved using an HDMI and Thunderbolt-enabled display, or by using multiple Thunderbolt displays in a daisy-chain configuration (provided that your laptop system hardware can support dual external displays, through the Thunderbolt connection)
- Thunderbolt ports are compatible with Mini DisplayPort, and can be used to connect a Mini DisplayPort / DisplayPort-enabled display
- The Docking Station supports one HDMI or one Mini DisplayPort display. Both

cannot be used simultaneously

- The docking station supports a single display at 4K resolution, a 4K capable display is required
- In a dual display configuration (HDMI + Thunderbolt Display), 4K resolution will be maintained on the HDMI display while a second display is connected at a lower resolution – The docking station cannot output dual 4K signals to two separate displays
- Docking station supports DisplayPort 1.2 monitors

See the video resolution chart below for specific configurations and supported resolutions:

Video Output Configuration	Max HDMI Output Resolution	Max mDP / DP Resolution	Max Thunderbolt Resolution
HDMI (Single Display)	3840x2160p (4K)	N/A	N/A
Mini DisplayPort (Single Display)	N/A	3840x2160p (4K)	N/A
Thunderbolt (Single Display)	N/A	N/A	3840x2160p (4K)
HDMI and Thunderbolt (Two Displays)	3840x2160p	N/A	Tested up to 3440x1440p
Thunderbolt Daisy Chain (Tested up to Two Displays)	N/A	3840x2160p (4K)	Tested up to 2560x1440p

**Note:** Depending on the configuration and the supported resolutions of your connected monitors, the docking station may support video resolutions lower than those specified above.



# Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit [www.startech.com/support](http://www.startech.com/support) and access our comprehensive selection of online tools, documentation, and downloads.

For the latest drivers/software, please visit [www.startech.com/downloads](http://www.startech.com/downloads)

## Warranty Information

This product is backed by a two year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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