

## 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)

NL: Gebruiksaanwijzing - [nl.startech.com](http://nl.startech.com)

PT: Guia do usuário - [pt.startech.com](http://pt.startech.com)

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)

## Use of Trademarks, Registered Trademarks, and other Protected Names and Symbols

This manual may make reference to trademarks, registered trademarks, and other protected names and/or symbols of third-party companies not related in any way to StarTech.com. Where they occur these references are for illustrative purposes only and do not represent an endorsement of a product or service by StarTech.com, or an endorsement of the product(s) to which this manual applies by the third-party company in question. Regardless of any direct acknowledgement elsewhere in the body of this document, StarTech.com hereby acknowledges that all trademarks, registered trademarks, service marks, and other protected names and/or symbols contained in this manual and related documents are the property of their respective holders.

# Table of Contents

<b>Introduction</b> .....	<b>1</b>
Packaging Contents .....	1
System Requirements.....	1
<b>Product Diagram</b> .....	<b>2</b>
Front View .....	2
Rear View.....	2
<b>Installation</b> .....	<b>3</b>
<b>Operation</b> .....	<b>3</b>
USB 3.0 Charging Downstream/Fast-Charge and Sync Port .....	3
First Generation Apple® iPad® Charging (30-Pin Connector) .....	4
<b>Supported Display Configurations and Resolutions</b> .....	<b>4</b>
<b>Technical Support</b> .....	<b>6</b>
<b>Warranty Information</b> .....	<b>6</b>

# 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® 8 / 8.1 (32/64bit), 7 (32/64), Mac OS® 10.9 and up (Tested up to 10.10)
- 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

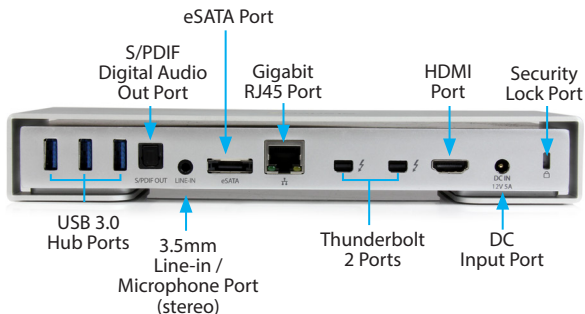
**Note:** If not connected to a Thunderbolt 2 port, performance may be limited. Operating system requirements are subject to change. For the latest requirements, please visit [www.startech.com/TB2DOCK4KDHC](http://www.startech.com/TB2DOCK4KDHC)

# 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.

# 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.

### Limitation of Liability

In no event shall the liability of StarTech.com Ltd. and StarTech.com USA LLP (or their officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of or related to the use of the product exceed the actual price paid for the product. Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

Hard-to-find made easy. At StarTech.com, that isn't a slogan. It's a promise.

StarTech.com is your one-stop source for every connectivity part you need. From the latest technology to legacy products — and all the parts that bridge the old and new — we can help you find the parts that connect your solutions.

We make it easy to locate the parts, and we quickly deliver them wherever they need to go. Just talk to one of our tech advisors or visit our website. You'll be connected to the products you need in no time.

Visit [www.startech.com](http://www.startech.com) for complete information on all StarTech.com products and to access exclusive resources and time-saving tools.

*StarTech.com is an ISO 9001 Registered manufacturer of connectivity and technology parts. StarTech.com was founded in 1985 and has operations in the United States, Canada, the United Kingdom and Taiwan servicing a worldwide market.*