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Thunderbolt™ 3 Dock with USB-C Laptop Compatibility | Dual 4K DisplayPort | 60W PD

Actual product may vary from photos

User Manual

SKU#: TB3CDOCKDP

For the latest information and specifications visit
www.startech.com/TB3CDOCKDP

Manual Revision: 12/18/2019

Compliance Statements

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

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Safety Statements

Safety Measures

- Wiring terminations should not be made with the product and/or electric lines under power.
- Product installation and/or mounting should be completed by a certified professional as per the local safety and building code guidelines.
- Cables (including power and charging cables) should be placed and routed to avoid creating electric, tripping or safety hazards.

Mesures de sécurité

- Les terminaisons de câblâge ne doivent pas être effectuées lorsque le produit et/ou les câbles électriques sont sous tension.
- L'installation et/ou le montage du produit doit être réalisé par un professionnel certifié et dans le respect des normes locales et du code de construction local.
- Les câbles (y compris les câbles d'alimentation et de chargement) doivent être placés et acheminés de façon à éviter tout risque électrique, de chute ou de sécurité

安全対策

- 電源が入っている状態の製品または電線の終端処理を行わないでください。
- 製品の設置やマウントは、使用地域の安全ガイドラインおよび建築基準に従い、有資格の専門業者が行うようにしてください。
- ケーブル（電源ケーブルと充電ケーブルを含む）は、適切な配置と引き回しを行い、電気障害やつまづきの危険性など、安全上のリスクを回避するようにしてください。

Misure di sicurezza

- I terminiali dei fili elettrici non devono essere realizzate con il prodotto e/o le linee elettriche sotto tensione.
- L'installazione e/o il montaggio dei prodotti devono essere eseguiti da un tecnico professionale certificato che conosca le linee guida locali sulle norme edilizie e sulla sicurezza.
- I cavi (inclusi i cavi di alimentazione e di ricarica) devono essere posizionati e stesi in modo da evitare pericoli di inciampo, rischi di scosse elettriche o pericoli per la sicurezza.

Säkerhetsåtgärder

- Montering av kabelavslutningar får inte göras när produkten och/eller elledningarna är strömförda.
- Installation och/eller montering får endast göras av behöriga yrkespersoner och enligt gällande lokala förordningar för säkerhet och byggnormer.
- Kablar (inklusive elkablar och laddningskablar) ska dras och placeras på så sätt att risk för snubblingsolyckor och andra olyckor kan undvikas.

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Table of Contents

Compliance Statements i

Safety Statements ii

Product Diagram 1

Front View 1

Rear View 2

Product Information 3

Package Contents 3

Requirements 3

Operating Temperature 4

Installation 4

Powering the Docking Station 4

Driver Installation 5

Connecting a Host 5

Thunderbolt 3 Host 5

USB-C Host 6

Connecting Peripherals 6

USB-A Port (Charging) 6

3.5 mm Audio Port 7

RJ45 Port (Network Device) 8

USB-A Port 8

USB-C Port (Charging) 8
USB-C Port 9
DisplayPort Port 9
Compatible Active Adapters 10

LED Indicators 11
Power LED 11
RJ45 LED 11

Video Resolution 12

Mounting the Docking Station 13

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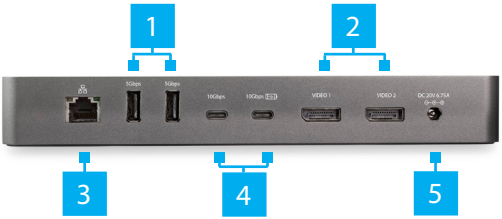
Product Diagram

Front View

1	*Power LED*	4	*USB-A Port*
2	*Thunderbolt 3 Host Port*	5	*3.5 mm Audio Port*
3	*Mounting Holes x 4 (bottom)*	6	*Lock Slot (side)*

Rear View



1	*USB-A Ports x 2*	4	*USB-C Ports x 2*
2	*DisplayPort Ports x 2*	5	*DC 20V Port*
3	*RJ45 Port*		

Product Information

Package Contents

- Docking Station x 1
- Universal Power Adapter x 1
- Power Cords (NA/JP, ANZ) x 2
- Thunderbolt 3 Cable (0.7 m) x 1
- User Manual x 1

Requirements

For the latest requirements, please visit www.startech.com/TB3CDOCKDP.

Host

- Host Computer with a Thunderbolt 3 or USB-C Port x 1

  Note: *The Thunderbolt 3 or USB-C port must support USB Power Delivery to power and charge the* **Host Computer**.

Display

- Displays (DisplayPort input) x 2

  Note: *To connect to a different display (HDMI, VGA, or USB-C), an additional adapter (sold separately) is required. See the Compatible Active Adapters section for further details.*

Cables

- DisplayPort Cable x 1
- Thunderbolt 3 Cable x 1

Operating System

- Windows® 8 or 10
- macOS 10.12 10.13 or 10.14

Operating Temperature

Due to the high performance of Thunderbolt technology, Thunderbolt products sometimes generate more heat than traditional hardware. Therefore, it's normal for the docking station to warm up when in use. As such, it's recommended that you don't place your laptop on the docking station's surface, as doing so will result in even higher temperatures.

These higher temperatures do not present a safety hazard to users or to hardware.

Installation

Powering the Docking Station

1. Select the appropriate regional **Power Cord** and connect it to the **Universal Power Adapter**.
2. Connect the **Universal Power Adapter** to the **DC 20V Port** on the **Docking Station** and to an **AC Electrical Outlet**.

DC 20V Port

Driver Installation

The **Docking Station** will automatically detect and install the required drivers when connected to a Thunderbolt 3 or USB-C port on the **Host Computer**.

Windows

1. Click on the pop-up message.
2. Select **Always Connect** from the list.
3. Click **OK**.
4. If required, follow any other on-screen instructions to complete the installation.

Connecting a Host

Thunderbolt 3 Host

The **Thunderbolt 3 Host Port** lets you connect your **Host Computer** to the **Docking Station** while charging the **Host Computer**.

A maximum of 60 watts of Power Delivery is available for the connected **Host Computer**.

- Connect a **Thunderbolt 3 Cable** (included) to the **Thunderbolt 3 Host Port** on the **Docking Station** and to a Thunderbolt 3 port on the **Host Computer**.

Note: *The* **Thunderbolt 3 Port** *will have a Thunderbolt icon above the port, indicating that the port has Thunderbolt 3 capabilities.*

Thunderbolt 3 Port

USB-C Host

To ensure maximum video compatibility, the **Host Computer** must support DP Alt Mode when connecting to the **Docking Station** through the Thunderbolt 3 Port.

- Connect a **Thunderbolt 3 Cable** to the **Thunderbolt 3 Port** on the **Docking Station** and to a USB-C port on the **Host Computer**.

Connecting Peripherals

USB-A Port (Charging)

The **USB-A Port** can be used as a charging port (e.g. cell phone, tablet, etc.), or used to connect a USB storage device (e.g. flash drive) to display data/files on the connected **Host Computer**, or used with a USB peripheral device (e.g. keyboard, mouse, etc.).

Notes: *This USB-A port can only fast-charge devices that comply with USB Battery Charging Specification Revision 1.2.*

If you're only using the front USB 3.0 port to charge a device, a connection to a host laptop isn't required.

1. Connect a **USB-A Cable** to the **USB-A Port** on the **Docking Station**.
2. Connect the other end of the **USB-A Cable** to a USB port on a compatible device.

   - or -

   Connect a **USB Peripheral's USB-A Connector** to the **USB-A Port** on the **Docking Station**.

USB-A Port (Charging)

3.5 mm Audio Port

The **3.5 mm Audio Port** is used to connect an **Audio Device** (e.g. headphones, speakers, headset, etc.) to the **Docking Station** for use with the connected **Host Computer**.

1. Connect a **3.5 mm Audio Cable** to the **3.5 mm Audio Port** on the **Docking Station**.
2. If connecting speakers, connect the other end of the **3.5 mm Audio Cable** to the **Audio In Port** on the **Audio Device**.

3.5 mm Audio Port

RJ45 Port (Network Device)

The **RJ45 Port** lets you connect a **Network Device** to the **Docking Station**.

1. Connect a **CAT5e/6 Cable** to the **RJ45 Port** on the **Docking Station** and to a compatible **Network Device**.

RJ45 Port

USB-A Port

The **USB-A Port** can be used to connect a USB storage device (e.g. flash drive) to display data/files on the connected **Host Computer**, or used with a USB peripheral device (e.g. keyboard, mouse, etc.).

- Connect a **USB Peripheral's USB-A Connector** to the **USB-A Port** on the **Docking Station**.

USB-A Port

Note: *The Rear* **USB-A Port** *currently does not support high power USB drives (e.g. M.2 SSD). If you have connected a high power USB drive to the rear* **USB-A Port** *on the* **Docking Station** *you may experience the following:*

- *The connected USB drive might not be detected by the Operating System (OS).*
- *The connected USB drive drops during read/write operation.*
- *The connected USB drive triggers an Over Current Protection (OCP). The* **USB-A Port** *will no longer detect any connected USB device.*

If an OCP is triggered the **Docking Station** *will require a hot plug or power cycle (disconnect all power sources and connected USB drive from the* **Docking Station** *for 30 seconds, reconnect the USB drive and power source to the* **Docking Station***), this will reset the OCP function on the* **USB-A Port**.

To connect a high power USB drive to the **Docking Station** *use one of the other* **USB Ports** *on the* **Docking Station**.

USB-C Port (Charging)

The **USB-C Port** can be used as a charging port (e.g. cell phone, tablet, etc.).

1. Connect a USB-C Cable to the USB-C Port on the Docking Station and to a USB port on a compatible device.

USB-C Port (Charging)

USB-C Port

The **USB-C Port** is used to connect a USB storage device (e.g. flash drive) to display data/files on the connected **Host Computer** or used with a USB peripheral device.

- Connect a **USB Peripheral's USB-C Connector** to the **USB-C Port** on the **Docking Station**.

USB-C Port

DisplayPort Port

The two **DisplayPort Ports** let you connect two **Displays** to the **Host Computer**.

1. Connect a **DisplayPort Cable** to the **DisplayPort Port** on the **Docking Station** and to a DisplayPort port on the **Video Display Device**.

DisplayPort Port

Note: *To connect an HDMI, DVI or VGA monitor, an active adapter is required.*

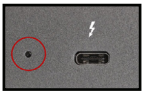
Compatible Active Adapters

Type of Display	Adapter Needed (sold separately)
HDMI	DisplayPort to HDMI 4K Audio/Video Converter (DP2HD4KS)
DVI	DisplayPort to DVI Adapter (DP2DVIS)
VGA	DisplayPort to VGA Adapter (DP2VGA2)

LED Indicators

Power LED

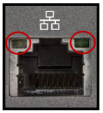
- **White:** Indicates that the **Docking Station** is connected and properly receiving power.



Power LED

RJ45 LED

- **Green:** Indicates that the Docking Station is receiving a link speed of 10Mbps, 100Mbps or 1Gbps.
- **Flashing Amber:** Indicates network activity.



Amber and Green RJ45 LEDs

Video Resolution

Host Connection	*Resolution*	*Frequency*	*Single/ Mirror Mode*	*Dual Screen Extended*
DP Alt Mode	Full HD: 1920x1080 or 1920x1200	60Hz	Yes	Yes
	2K: 2560x1440 or 2560x1600	60Hz	Yes	No
	UHD: 3840x2160	30Hz	Yes	No
Thunderbolt 3	Full HD: 1920x1080 or 1920x1200	60Hz	Yes	Yes
	2K: 2560x1440 or 2560x1600	60Hz	Yes	Yes
	UHD: 3840x2160	60Hz	Yes	Yes
	4K: 4096x2160	60Hz	Yes	Yes

Mounting the Docking Station

The **Docking Station** can be mounted using Mounting Hardware (sold separately).

Notes: *Product mounting should be completed by a certified professional as per the local safety and building code guidelines.*

Mounting surfaces can vary, and it's important to make sure that the type of structure and mounting hardware that you're using will properly support the mounted equipment. Failure to do so may result in personal injury, equipment damage, and/or surface damage.

Warranty Information

This product is backed by a three-year warranty.

For further information on product warranty terms and conditions, please refer to www.startech.com/warranty.

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