

Thunderbolt™ Laptop Docking Station with HDMI® or Mini DisplayPort and Gigabit Ethernet

TBDOCKHDPBC



*actual product may vary from photos

DE: Bedienungsanleitung - de.startech.com

FR: Guide de l'utilisateur - fr.startech.com

ES: Guía del usuario - es.startech.com

IT: Guida per l'uso - it.startech.com

NL: Gebruiksaanwijzing - nl.startech.com

PT: Guia do usuário - pt.startech.com

For the most up-to-date information, please visit: www.startech.com

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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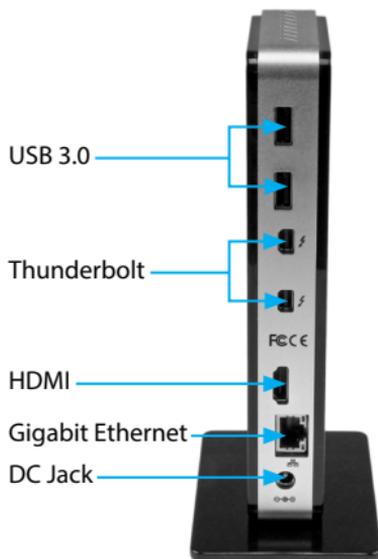
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Product Diagram

Front View



Rear View



Introduction

Packaging Contents

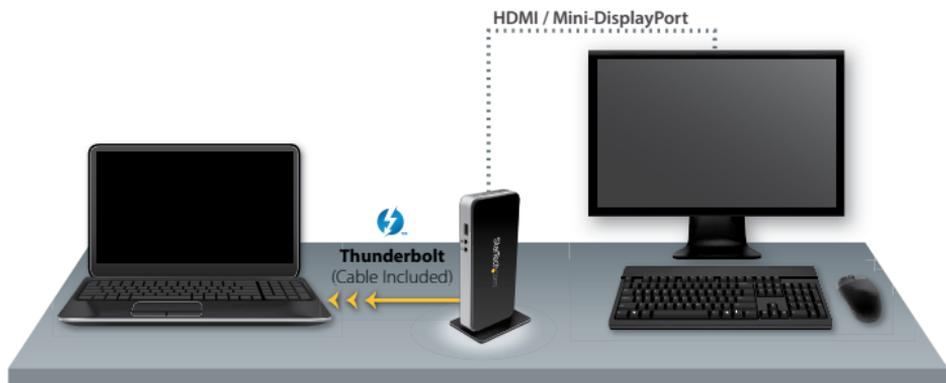
- 1 x Thunderbolt Docking Station
- 1 x 1m Thunderbolt Cable
- 1 x Stand (w/ screws)
- 4 x Rubber Feet
- 1 x Universal Power Adapter (NA/UK/EU)
- 1 x Installation CD
- 1 x Instruction Manual

System Requirements

- Thunderbolt-enabled computer system with available Thunderbolt port
- Available AC electrical outlet
- Windows® 8 (32/64-bit), 7 (32/64) or Mac OS 10.8.3 or later

Installation

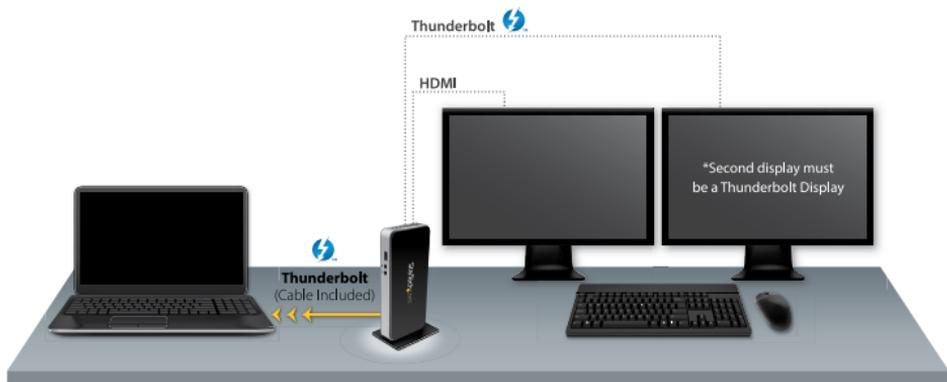
1. Connect the included power adapter from an AC electrical outlet to the Thunderbolt Docking Station.
2. Connect the Docking Station to the computer using the included Thunderbolt cable. Both Windows and Mac systems should automatically detect and install the required drivers.
3. Connect an HDMI, Thunderbolt or Mini-DisplayPort display to the docking station and power it on. The connected display will be detected as a secondary display to your laptop by default (this can be adjusted in your display settings).



Note: When connected to a Thunderbolt display, the HDMI port can be used simultaneously to add a maximum of two displays through the dock (provided that your laptop system hardware can support dual external displays, through the Thunderbolt connection).

For single display configurations, connect one HDMI, DisplayPort or Thunderbolt monitor to the dock.

For dual display configurations, connect one HDMI monitor and one Thunderbolt monitor (Not applicable for DisplayPort monitors) simultaneously to the dock.

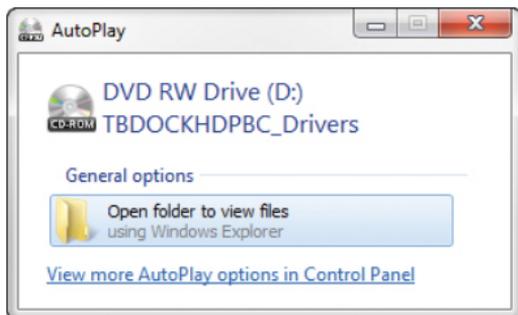


4. Connect your LAN, audio, USB and Thunderbolt peripherals as desired.

Note: After following the above connection instructions, the dock should be ready to use. In the event that some drivers are not able to auto-install on your system, please use the following instructions to complete the installation.

Windows

1. Insert the provided CD into your CD/ DVD drive.
2. Select **Open folder to view files** from the Autoplay menu. If Autoplay is disabled on your system, browse to your CD/DVD drive to view the files.



Ethernet

1. Browse to the **\Windows\ethernet** folder on the disc and choose either the **32bit** or **64bit** folder, depending on your operating system.
2. Double-click the **ProWINxx.exe** application.
3. Follow the on-screen instructions to complete the installation.

USB

1. Browse to the **\Windows\usb\3.5.100.0a** folder on the disc.
2. Double-click the **FLUSB3.0-3.5.100.0.exe** application.
3. Follow the on-screen instructions to complete the installation.

Mac OS

Ethernet

Note: Website drivers are designed for Mac OS 10.8.3 to 10.8.5. For OS 10.9 Mavericks users, the drivers will be automatically installed through your operating system. Please ensure your operating system is updated to the latest package.

If the drivers have not automatically installed in Mac OS 10.9 please contact StarTech.com technical support (www.startech.com/support) for further installation instructions.

1. Browse to www.startech.com/TBDOCKHDPBC
2. Click on the Drivers & Downloads Tab and download the "Intel_I210.zip" driver
3. Extract the driver package
4. Browse to the extracted **\Intel_I210\Mac 10.8\ethernet** folder
5. Double-click the **I210_ML_131002.pkg** application
6. Follow any on-screen instructions to complete the installation

Operation

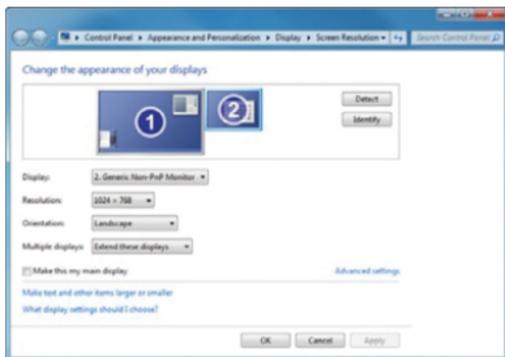
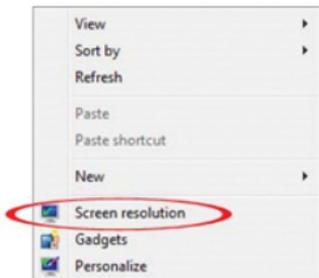
Windows

Display Settings

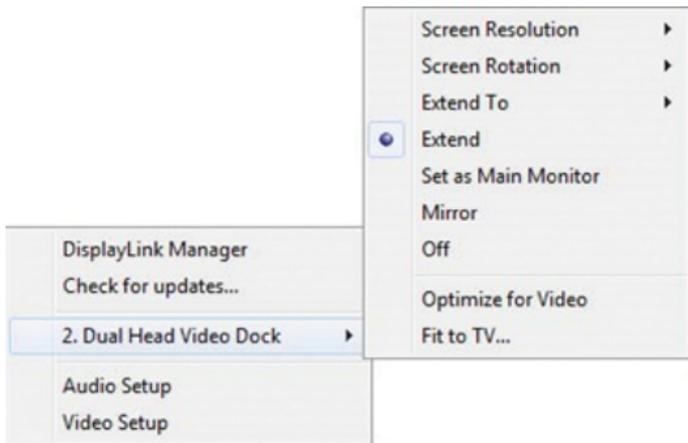
Configuring the image being displayed by the monitor(s) that are connected to the Thunderbolt Docking Station can be done in one of two ways:

Note: The default resolution setting in Extend mode is: 1920 x 1080p * 32-bit.

- a) Right-click on a blank area of the desktop, select **Screen Resolution**.



b) Right-click the DisplayLink tray icon () in the system notification area.



Screen Rotation

4 options are available: 0°(**Normal**), 90° (Left), 180° (**Upside-Down**), 270° (**Right**) when used with the Extended or Primary display modes. It is a useful function for some rotatable display devices.



Normal



Rotated left



Upside-Down



Rotated Right

Notebook Monitor Off

Sets the monitor on the USB Docking Station to the main display and turns off the screen of the laptop.

NOTE: This function works only when one add-on monitor is connected.

Optimize For Video

Optimize video playback when using Windows 7/8. Regular text may appear blurry while this mode is enabled.

Fit to TV

When using Extended Mode, if the Windows Desktop screen is not completely visible on the TV/Monitor, this option can be used to adjust the size of the Windows Desktop.

NOTE: This option will only work while using Extended Mode. If using Mirror Mode, selecting this will automatically change the adapter to Extended Mode. This mode cannot be used at the same time as the Screen Rotation feature.



A red border will appear on the Extended screen that will show the size of the new Windows Desktop. Use the horizontal and vertical + and - buttons to manually adjust the size to properly fit the screen.

NOTE: Holding the CTRL key while making adjustments allow for finer control.

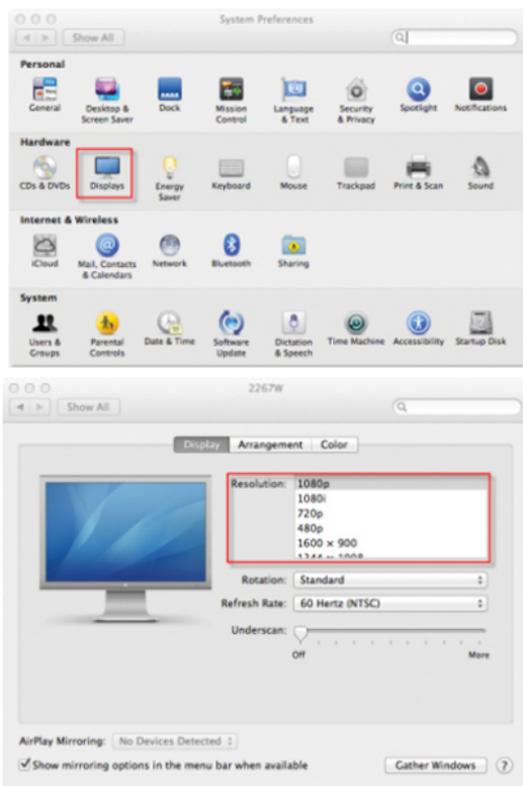
Mac OS

Display Settings

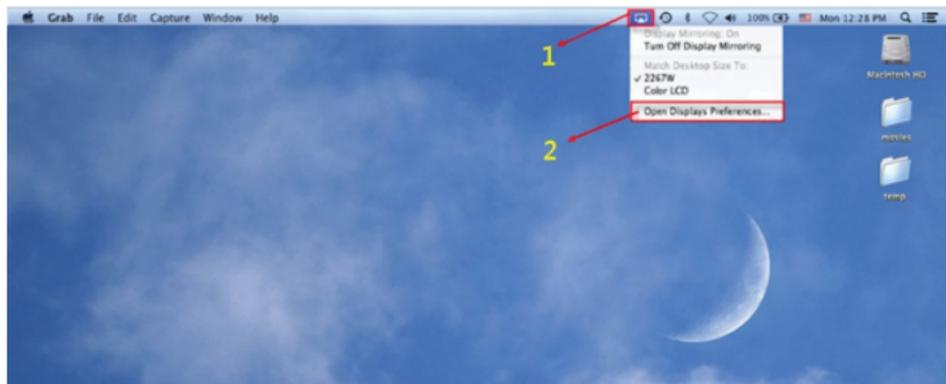
Configuring the image being displayed by the monitor(s) that are connected to the Thunderbolt Docking Station can be done in one of two ways:

NOTE: The default resolution setting in Extend mode is: 1920 x 1080p * 32-bit.

a. Click **Displays** in the System Preferences menu, then select **Screen Resolution**.

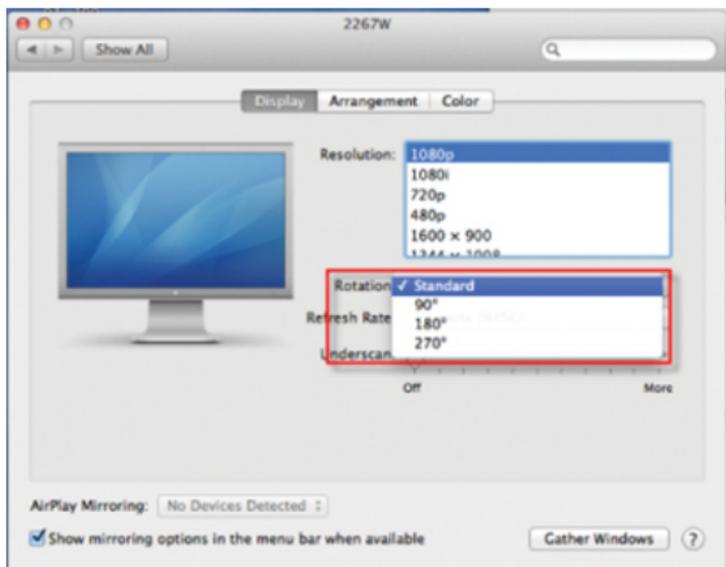


- b. Click the Displays icon () in the top right corner, then select **Open Displays Preferences**



Screen Rotation

Select the desired display rotation for the connected monitor in Extend Mode here:



Supported Video Resolutions

Resolution	Refresh Rate
720 x 480	60 Hz
720 x 576	50 Hz
1280 x 720p	50/60 Hz
1920 x 1080p	50/60 Hz
2560 x 1440	50/60 Hz
<i>*(Thunderbolt / Mini-DisplayPort only)</i>	

Specifications

Host Interface	Thunderbolt
Chipset	Intel - CactusRidge_4C (Thunderbolt) Intel - WGI210AT (LAN) Fresco Logic - FL1100-EX (USB 3.0) Parade Technologies - PS181 (Display) Parade Technologies - PS8339B (Display) NXP - CBTL05023 (Thunderbolt) Texas Instruments - PCM2912A (Audio)
Supported Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Connectors	2 x Thunderbolt™ Female 1 x HDMI Female 1 x RJ-45 Female 3 x USB3.0 type A Female 2 x 3.5 mm Mini-Jack Female

LED Indicator(s)	1 x Power
Maximum Data Transfer Rate	5 Gbps (USB 3.0) 10 Gbps (Thunderbolt) 1 Gbps (Ethernet; Full-Duplex)
Maximum Digital Resolution	2560x1440 (Thunderbolt / Mini DisplayPort) 1920x1080 (HDMI)
Audio Support	Yes (2-channel stereo, mic)
Compatible Networks	10/100/1000 Mbps
Ethernet Full Duplex Support	Yes
Auto MDIX	Yes
Power Adapter	12V, 5A
Enclosure Material	Aluminum and Plastic
Operating Temperature	5°C to 40°C (41°F to 104°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	5-95% RH
Dimensions (L x W x H)	124 x 70 x 189 mm
Weight	411 g
Compatible Operating Systems	Windows® 8 (32/64bit), 7 (32/64) Mac OS 10.8.3 or later

Technical Support

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For the latest drivers/software, please visit 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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