CalDigit
Thunderbolt™ Station

User Guide

Table of Contents

Section 1 : General Information

Section 2 : Using the Thunderbolt Station

Section 3 : Technical Support and Warranty Information

1. General Information

Introduction

   The CalDigit Thunderbolt™ Station allows Thunderbolt™ enabled Mac users to add a variety of peripheral devices to their computers using a single Thunderbolt™ cable. This interface expansion device includes three USB 3.0 ports, audio in and out jacks, an HDMI out port, and a Gigabit Ethernet port. Break free from the limitations of your existing interface selection and connect your computer to peripheral devices such as HDMI monitors, SuperSpeed storage devices, and speakers. Dual Thunderbolt ports allows daisy chaining for easy integration into your Thunderbolt ™ workflow.

General Use Warnings

   • Please read the Thunderbolt™ Station manual thoroughly and familiarize yourself with the product before use.

   • Avoid using the Thunderbolt™ Station in extremely hot and cold environments. A safe temperature range is between 40°F – 95°F (4.4°C - 35°C).

   • Avoid using the Thunderbolt™ Station in humid environments. Moisture and condensation can accumulate in the device and cause damage to the electrical components.

   • Only use the power adapter that has been supplied with the Thunderbolt™ Station. An excessive or inadequate power supply can result in unstable performance or device failure.

Safety Warnings

   • Keep the Thunderbolt™ Station away from liquids and moisture. Exposure to liquids can result in damaging the unit, electric shock, and result in a fire hazard.

   • If your Thunderbolt™ Station gets wet while it is still off, do not turn it on. In the case of any issue with the device, do not attempt to repair or open the device yourself. Doing so can result in personal injury, damage the device, and will void the warranty. If you have any issues, please contact CalDigit Technical Support.
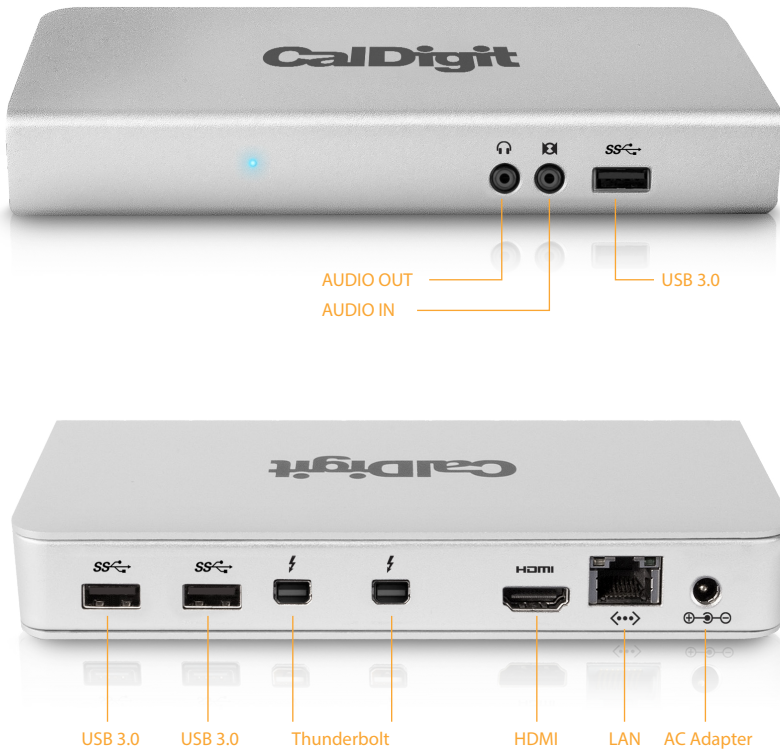
System Requirements

- Thunderbolt™ equipped Macintosh Computer
    - o Macbook Pro (2011 - Present)
    - o Mac Mini (2011 - Present)
    - o iMac (2011 - Present)
- Thunderbolt™ equipped PC desktops and laptops
- Thunderbolt™ Cable (Not Included)
- Mac OS X 10.8.4 or later, Windows 7, Windows 8

In the Box

A • 1 x CalDigit Thunderbolt™ Station
B • 1 x 60W Power Supply
C • 1 x Power Cord

Thunderbolt™ Station Diagram

AUDIO OUT

AUDIO IN

USB 3.0

USB 3.0   USB 3.0   Thunderbolt   HDMI   LAN   AC Adapter

2. Using the Thunderbolt™ Station

Powering the Thunderbolt™ Station

1. The CalDigit Thunderbolt™ Station requires power from the AC adapter to operate. Connect the AC adapter connector to the DC jack on the back of the Thunderbolt™ Station and the other side to an AC outlet.

2. To power off the Thunderbolt™ Station, disconnect the power cable from the AC outlet.

Connecting the Thunderbolt™ Station to your computer

Once the Thunderbolt™ Station has been powered, connect the device using a Thunderbolt™ cable (not included) from one of the Thunderbolt™ ports on the Thunderbolt™ Station to the Thunderbolt™ port on your Mac computer. The dual Thunderbolt™ ports on the Thunderbolt™ Station enable effortless daisy chaining.
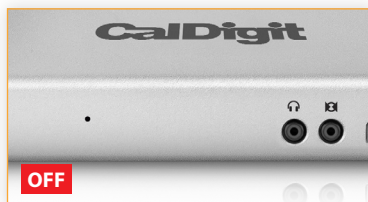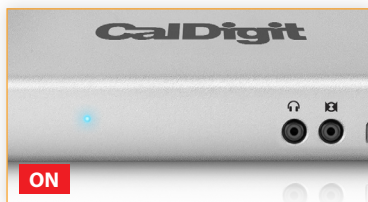
NOTE	It is highly recommended that 2nd generation Thunderbolt™ cables are used for stability and performance. Certified Thunderbolt™ cables can be purchased from CalDigit (refer to page 11).

LED Indicator

The Thunderbolt™ Station is equipped with a LED indicator, which will display a blue light if the unit is powered on and connected to a computer, signaling that it is ready for use. If the Thunderbolt™ Station is powered but not connected to a computer via Thunderbolt™, the LED indicator will not turn on.
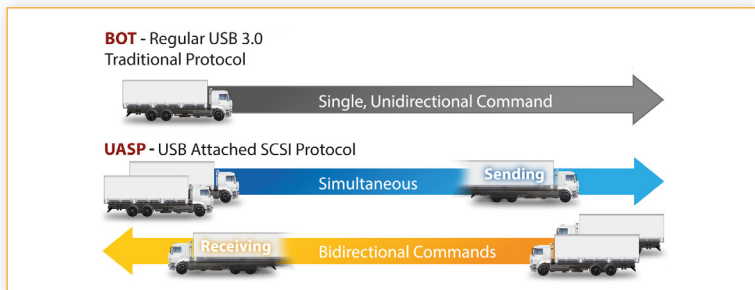
Interface Summary

The CalDigit Thunderbolt™ Station is a hot swappable device, which allows you to disconnect and reconnect the device without having to restart your computer. The interfaces on the Thunderbolt™ Station are hot pluggable, which means that peripheral devices can be disconnected and reconnect without restarting your computer. When the Thunderbolt™ Station is disconnected; the computer will default to its original settings. Any settings that have been set with the Thunderbolt™ Station connected will automatically restore upon reconnection.

USB 3.0

The Thunderbolt™ Station has a total of three USB 3.0 ports (one in front), which support wake-on USB. This enables your computer to wake from standby if it detects activity from one of the USB devices connected to the Thunderbolt™ Station. These ports are backwards compatible with all USB compliant peripherals such as printers, scanners, keyboards, and storage devices. The Thunderbolt™ Station also supports UASP (USB attached SCSI Protocol), which greatly improves its performance when used with UASP compatible devices.

The USB 3.0 ports also support bus powered devices and USB charging.

Front (x1)

Rear (x2)

BOT - Regular USB 3.0
Traditional Protocol

Single, Unidirectional Command

UASP - USB Attached SCSI Protocol

Simultaneous   Sending

Receiving   Bidirectional Commands

NOTE	Please make sure to use high quality USB 3.0 cables for the best performance and reliability. Certified USB 3.0 cables can be purchased from CalDigit (refer to page 11).

Gigabit Ethernet

The Thunderbolt™ Station has a single Gigabit Ethernet port to connect to a Gigabit Ethernet network. Your computer will connect to whichever network that is connected to the Thunderbolt™ Station by default. These settings can be changed in the "Network" section under "System Preferences". The Ethernet port also supports wake-on-LAN which allows your computer to wake from standby remotely via the network.

HDMI

The Thunderbolt™ Station has a single HDMI port to connect a HDMI display. Any display connected to the HDMI port will be regarded as a secondary display by default. This can be changed in the "Display" section under "System Preferences".
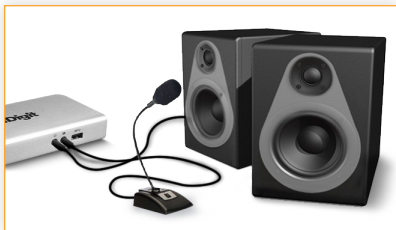

NOTE The Thunderbolt™ Station can support a maximum of two displays using the HDMI port and a secondary Thunderbolt Display.

Audio

The Thunderbolt™ Station has one Audio Input and one Audio Output. The audio devices must be set in the "Sound" section under "System Preferences". The Thunderbolt™ Station's audio device will show as USB audio CODEC.

CalDigit Thunderbolt™ Station Specifications

Dimensions and Weight

- Depth : 17.4 cm / 6.85 in
- Width : 8.0 cm / 3.15 in
- Height : 2.6 cm / 1.02 in
- Weight : 0.4 kg / 0.88 lbs.

2.6 cm / 1.02 in

8.0 cm / 3.15 in

17.4 cm / 6.85 in

Interface

- 2 x Thunderbolt™
  - o 10 Gb/s transfer rate
  - o Daisy chaining supported
- 3 x USB 3.0
  - o 5 Gb/s transfer rate
  - o Backwards compatible with USB 2.0/1.0
  - o Wake on USB supported
  - o UASP supported
- 1 x Gigabit Ethernet
  - o Wake on LAN supported
- 1 x Audio Input
  - o 3.5mm mono mini jack
- 1 x Audio Output
  - o 3.5mm stereo mini jack
- 1 x HDMI
  - o Type A Connector, 19 pins

Power

External AC/DC Adapter
- Input : 100 - 240 VAC 50-60 Hz
- Output : +12V DC, 5A max
- EMC: CE, FCC, UL, GS, CCC

Power Requirements
- Unit Voltage and Amperage : 12V/5A
- Power Consumption : 60 W

Environmental Specifications
- Safe Operating Temperature
  (Minimum/Maximum) : 10° C - 35° C
- Safe Storage Temperature
  (Minimum/Maximum) : –20° C to 47°C
- Maximum Operating Altitude : 3,000 meters
- Maximum Storage Altitude : 10,000 meters
- Operating Humidity : 20% to 80% relative humidity

CalDigit Thunderbolt™ Station Accessories

USB 3.0 Cables
- USB 3.0 A to B Cable (3 feet) – SKU : 791980
- USB 3.0 A to B Cable (6 feet) – SKU : 791981

Thunderbolt™ Cables
- Thunderbolt Cable (0.5 meter, 1.64ft) – SKU : 500003
- Thunderbolt Cable (1.0 meter, 3.28ft) – SKU : 500004
- Thunderbolt Cable (2.0 meter, 6.56ft) – SKU : 500005

Power Supply
- Thunderbolt Station PSU 60W – SKU : 500016

Please contact CalDigit or an authorized CalDigit reseller for availability and pricing.

Section 3:
Technical Support and Warranty Information

Technical Support

If you run into any issues while using your Thunderbolt™ Station, please contact CalDigit Technical Support.

- Email: support@caldigit.com
- Phone: (714) 572-6668
- Website: www.caldigit.com/support.asp

To be eligible for customer support and warranty services, please register your CalDigit product on our website.

- http://www.caldigit.com/Register/Register.asp

When contacting CalDigit Technical Support, make sure to be at your computer and have the following information available:

1. Your Thunderbolt™ Station serial number
2. Operating system and version
3. Computer make and model
4. Devices being used on the Thunderbolt™ Station

Warranty Information

- The Thunderbolt™ Station is covered by a 1-year limited warranty.
- For detailed CalDigit warranty information please visit our website :
  http://www.caldigit.com/rma/Limited-Warranty.pdf

Please visit www.caldigit.com for more information on all CalDigit products.