CalDigit ⚡

TS3 Plus⁺

Thunderbolt™ Station 3 Plus

USER GUIDE

For more information visit www.caldigit.com

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1. General Information

Introduction

The CalDigit Thunderbolt™ Station 3 Plus maximizes the potential of Thunderbolt™ 3's 40G/s throughout to add a plethora of devices to any Mac or PC Thunderbolt™ 3 enabled computer. Featuring dual Thunderbolt™ 3 Type-C ports for daisy-chaining extra Thunderbolt™ 3 devices, the TS3 Plus can fit into any workflow without sacrificing a Thunderbolt™ 3 port all while charging your computer up to 87W.

General Use Warnings

- Please read the TS3 Plus manual thoroughly and familiarize yourself with the product before use.
- Avoid using the TS3 Plus in extremely hot and cold environments. A safe temperature range is between 40°F – 95°F (4.4°C - 35°C).
- Avoid using the TS3 Plus 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 TS3 Plus. An excessive or inadequate power supply can result in unstable performance or device failure.

Safety Warnings

- Keep the TS3 Plus away from liquids and moisture. Exposure to liquids can result in damaging the unit, electric shock, and result in a fire hazard.
- If your TS3 Plus 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™ 3 computers
macOS 10.12 Sierra or later
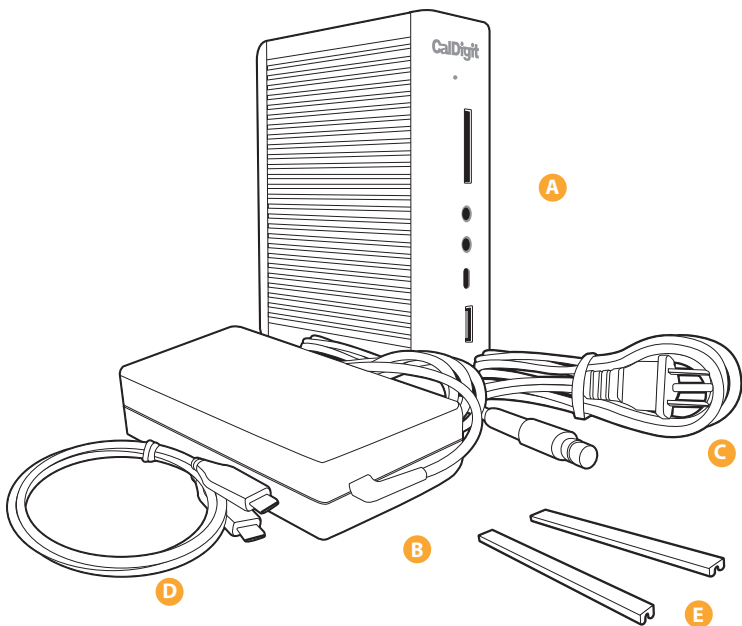Windows 7, 8, 10 or later

In the Box

A • 1 x CalDigit TS3 Plus
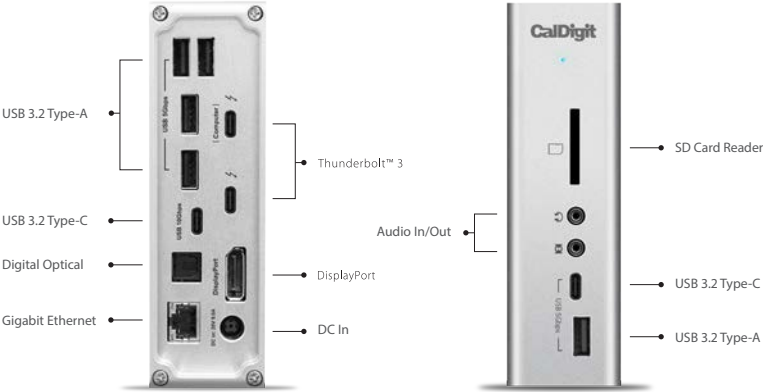B • 1 x Power Supply
C • 1 x Power Cord (plug style may vary based on regional regulations and requirements.)
D • 1 x Thunderbolt™ 3 Cable (Optional)
E • 2 x Rubber Feet Strips

TS3 Plus Diagram

USB 3.2 Type-A

USB 3.2 Type-C

Digital Optical

Gigabit Ethernet

Thunderbolt™ 3

DisplayPort

DC In

CalDigit

SD Card Reader

Audio In/Out

USB 3.2 Type-C

USB 3.2 Type-A

Smartphone   iOS Device
              Charging

USB 3.2   USB 3.2

SD Card Reader   Audio In/Out

SD Card   Headphones/   Microphone
           Speakers

Ethernet   Speaker   SSD Drive   Smartphone   Tablet   External storage   Pen Drive

Gigabit   Digital   USB 3.2   USB 3.2
Ethernet   Optical

Power   DisplayPort   Thunderbolt™ 3

4K Monitor   Thunderbolt™ 3   Thunderbolt™ 3   Thunderbolt™ 3 Host
              External storage   4K/5K Monitor

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2. Using the TS3 Plus

Powering the TS3 Plus

1. The CalDigit TS3 Plus requires power from the AC adapter to operate. Connect the AC adapter connector to the DC jack on the back of the TS3 Plus and the other side to an AC outlet.

2. To power off the TS3 Plus, disconnect the power cable from the AC outlet.

Connecting the TS3 Plus to your computer

Once the TS3 Plus has been powered on, connect the device using a Thunderbolt™ 3 cable from one of the Thunderbolt™ 3 port labeled "Computer" on the TS3 Plus to a Thunderbolt™ 3 port on your computer. This single connection will now provide 87W charging for your laptop in addition to expanding your connectivity options.

LED Indicator

The TS3 Plus is equipped with an LED indicator, which will display a BLUE light if the unit is powered on and connected to your computer.
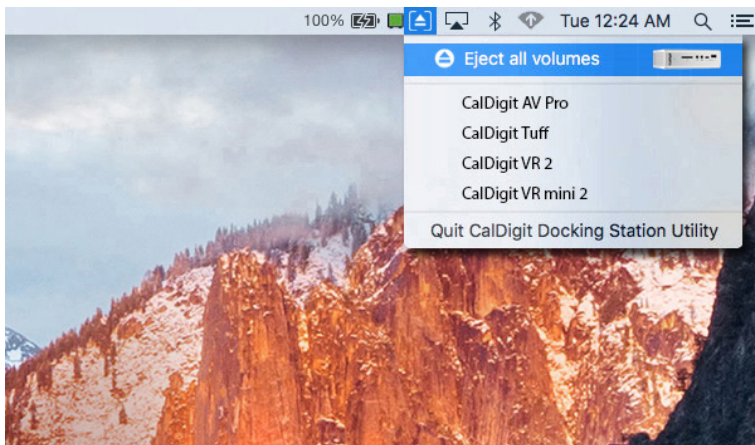

ON

OFF

CalDigit Docking Station Utility

The CalDigit Docking Station Utility makes it incredibly easy to disconnect all your USB storage devices from the TS3 Plus without the need to manually disconnect them one by one.

Disconnecting all USB storage devices
1. Open the CalDigit Docking Station Utility on the top menu bar.
2. Click the eject button on the TS3 Plus image.

Disconnecting individual USB storage devices
1. Open the CalDigit Docking Station Utility on the top menu bar.
2. Click on the specific USB device you would like to eject. Only that device will be ejected.
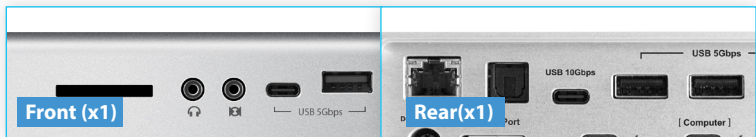
Interface Summary

Thunderbolt™ 3

The TS3 Plus features two Thunderbolt™ 3 Type-C ports that can transfer at speeds up to 40Gb/s. One port is reserved for the connection to your host computer and the second can be used to connect extra Thunderbolt™ 3 devices. Thunderbolt™ 3 Type-C supports video and data. The Thunderbolt™ host port also provides charging up to 87W for your computer.

USB 3.2 Type-C

The TS3 Plus features two USB 3.2 Type-C ports (1 x 5Gb/s, 1 x 10Gb/s). These ports only support data and 1500mA of power for charging. Video capabilities are not supported.
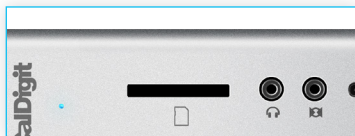

USB 3.2 Type-A

The TS3 Plus features a total of five USB 3.2 Type-A ports (5 x 5Gb/s)

UHS-II SD Card Slot

The front-facing UHS-II SD (4.0) Card slot is capable of transfer speeds up to 312MB/s. This slot is also backwards compatible with SDXC, SDHC, and standard SD cards.

Optical Audio (S/PDIF)

The TS3 Plus features one optical audio port that can be used to connect a compatible AV receiver using TOSLINK cables..

DisplayPort

The TS3 Plus features a full-size DisplayPort that supports a maximum resolution up to 4K. DisplayPort can be easily converted to HDMI, miniDisplayPort, VGA, and DVI with the use of adapter cables or adapters.

Note: The DisplayPort on the TS3+ is only compatible with active DisplayPort adapters. If you attempt to use a passive adapter, your display will not function correctly. If you are not sure which type you have, please check with your adapter manufacturer to ensure that it is an active adapter.

Any display connected to the DisplayPort will be regarded as a secondary display by default. This can be changed in the "Display" section under "System Preferences".

NOTE	The TS3 Plus supports dual display functionality. However, the actual resolutions are limited by GPU, OS, Driver and Firmware. Please refer to the tables below for general information.

Single Monitor: Using DisplayPort

Resolution	Video Display Frequency	Single Monitor
2K (2560 x 1600)	60 Hz	Yes
Full HD (1920 x 1080p)	60 Hz	Yes
4K	60 Hz*	Yes
2K (2560 x 1600)	30 Hz	Yes
Full HD (1920 x 1080p)	30 Hz	Yes

Single Monitor: Connected to Thunderbolt™ 3 Port (With use of a USB-C Video Adapter connected to the Thunderbolt™ 3 port)

Resolution	Video Display Frequency	Single Monitor
5K	60 Hz	Yes
4K	60 Hz	Yes
2K (2560 x 1600)	60 Hz	Yes
Full HD (1920 x 1080p)	60 Hz	Yes
2K (2560 x 1600)	30 Hz	Yes
Full HD (1920 x 1080p)	30 Hz	Yes

Connecting Dual Monitors

You can add two external monitors to the TS3 Plus both at up to 4K@60Hz. Alternatively you can connect one single 5K@60Hz monitor. In order to do so, you first need to connect one monitor to the DisplayPort Connector on the TS3 Plus. This monitor can be any type of monitor you wish to use. For example, if you are using a HDMI monitor, you will need to use an Active DisplayPort to HDMI adapter.

To connect the second monitor, please connect a USB-C Video Adapter to the other Thunderbolt™ 3 port on the TS3 Plus and then connect the monitor cable to the USB-C Video Adapter.*

*Adapters sold separately. Also available on the CalDigit Online Store.

Dual Monitors : Connected to DisplayPort & Thunderbolt™ 3 Port (With use of a USB-C Video Adapter connected to the Thunderbolt™ 3 port)

Resolution	Video Display Frequency	Dual Monitor
2K (2560 x 1600)	60 Hz	Yes
Full HD (1920 x 1080p)	60 Hz	Yes
4K	60 Hz*	Yes
2K (2560 x 1600)	30 Hz	Yes
Full HD (1920 x 1080p)	30 Hz	Yes

Ethernet

The TS3 Plus has a single Gigabit Ethernet port to connect to a Gigabit Ethernet network. Your computer will connect to whichever network is connected to the TS3 Plus 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.

Audio

The TS3 Plus has one 3.5mm audio input and one 3.5mm amplified audio output. The audio devices must be selected in the "Sound" section under "System Preferences". The TS3 Plus's audio device will be listed as 'CalDigit Thunderbolt 3 Audio' in your settings.

CalDigit TS3 Plus Specifications

Package Dimension and Weight
- Height : 5.15 inches (131.0 mm)
- Width : 1.57 inches (40.0 mm)
- Depth : 3.87 inches (98.44 mm)
- Weight: 1.04 lbs   (0.47 kgs)

Interface
- 2 x Thunderbolt™ 3
- 1 x DisplayPort 1.2
- 5 x USB 3.2 Type-A (5Gbps)
- 1 x USB 3.2 Type-C (5Gbps)
- 1 x USB 3.2 Type-C (10Gbps)
- 1 x SD Card Reader (SD 4.0 UHS-II)
- 1 x Digital Optical Audio (S/PDIF)
- 1 x Gigabit Ethernet
- 1 x 3.5mm Analog Audio In
- 1 x 3.5mm Analog Audio Out

Power
AC Input : 100V-240V ~50Hz/60Hz
DC Output: 20V/9.0A, 180W

System Requirements
Thunderbolt™ 3 computers
macOS 10.12 Sierra or later
Windows 10 or later

Environment
Ambient Temperature: 32°F ~ 140°F (0°C ~ 60°C)

CalDigit TS3 Plus Accessories

Thunderbolt™ 3 Cables
- Thunderbolt™ 3 Cable 0.5m (40Gb/s)
- Thunderbolt™ 3 Cable 1m (40Gb/s)
- Thunderbolt™ 3 Cable 2m (40Gb/s)

Power Supply
- CalDigit TS3Plus-180W AC Adapter PSU

USB-C Video Adapters
- CalDigit USB-C to DisplayPort adapter
- CalDigit USB-C to HDMI adapter
- CalDigit USB-C to VGA adapter

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

3. Technical Support and Warranty Information

Technical Support

If you run into any issues while using your TS3 Plus, please contact CalDigit Technical Support.

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

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

1. Your TS3 Plus serial number
2. Operating system and version
3. Computer make and model
4. Devices being used on the TS3 Plus

Warranty Information

- The TS3 Plus 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.