

Owner's Manual Havis Rugged USB Hub

DS-DA-604



Before Beginning

Havis is pleased to provide this owner's manual to aid in the proper installation and use of the DS-DA-604 Rugged USB Hub.

For questions regarding the set-up of your rugged USB hub, please contact Havis at 1-800-524-9900 or visit www.havis.com for additional product support and information.

CAUTION

- **THE POWER CABLE INCLUDED WITH THE DS-DA-604 IS UNIQUE TO THIS PRODUCT. DO NOT USE THE DS-DA-604 POWER CABLE WITH ANY OTHER HAVIS DEVICE. DO NOT USE ANY OTHER HAVIS DEVICE'S POWER CABLE WITH THE DS-DA-604.**
- **DO NOT STORE, INSTALL, OR OPERATE THE DS-DA-604 WHERE WATER, MOISTURE, STEAM, DUST, ETC. ARE PRESENT**
- **READ ALL INSTRUCTIONS THOROUGHLY BEFORE BEGINNING INSTALLATION.**

Precautions

- Do not place metal objects or containers of liquid on top of the rugged USB hub.
- If a malfunction occurs, immediately unplug the power cable.
- Use only the included power cable with this rugged USB hub.
- Do not connect cables into ports other than what they are specified for.
- Do not leave the rugged USB hub in a high temperature environment (greater than 85°C, 185°F) for a long time period.

EC DECLARATION OF CONFORMITY in accordance with EN 50498

Manufacturers Name: Havis, Inc.

Manufacturers Address: 75 Jacksonville Road, Warminster, PA 18974 USA

Declares under our sole responsibility that the product:

Product name: Havis Rugged USB Hub

Model: DS-DA-604. May be followed by any alphanumeric characters which describe product options.

Product Options: This declaration covers all options of the above product which bear the CE Marking.

Is in conformity with the following standards or other normative documents:

Automotive EMC Directive 2004/108/EC: EN 50498:2010, Electromagnetic compatibility (EMC) - Product family standard for aftermarket electronic equipment in vehicles

Directive 2011/65/EU Restriction of the use of certain hazardous substances (RoHS)

Supplementary Information:

The product herewith complies with the requirements of the Automotive EMC Directive 2004/108/EC, Annex I, 6.5, 6.6, 6.8, and 6.9. This product requires the use of a recommended e-Marked automotive power supply when used within vehicles.

Warminster, PA, USA

July 21, 2023

Stephen Telesco, Director of Engineering, Havis, Inc.

FCC 47CFR, Part 15 compliance: This is an FCC Class B device. Any changes or modifications to the model DS-DA-604 not expressly approved by Havis, Inc. could void the user's authority to operate this equipment.

Parts Included

1. Rugged USB Hub



2. USB-C Cable (DS-DA-344)

USB-C to USB-C cable with a screw lock on one end. Length is 6.5 ft.



3. Power Cable (DS-DA-345)

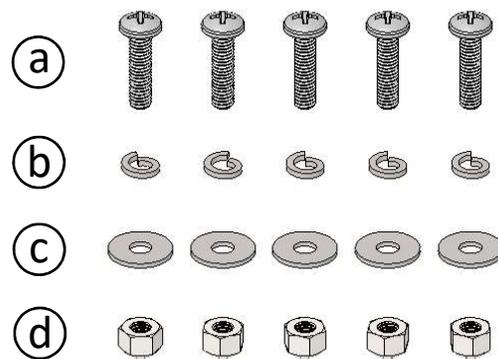
Power cable unique to the DS-DA-604 USB hub. Length is 6 ft.



4. Hardware Kit

This hardware kit includes:

- a. M4 x 16 pan head screws (5)
- b. M4 split lock washers (5)
- c. M4 flat washers (5)
- d. M4 lock nuts (5)
- e. Zip ties (8)



Tools required for installation:

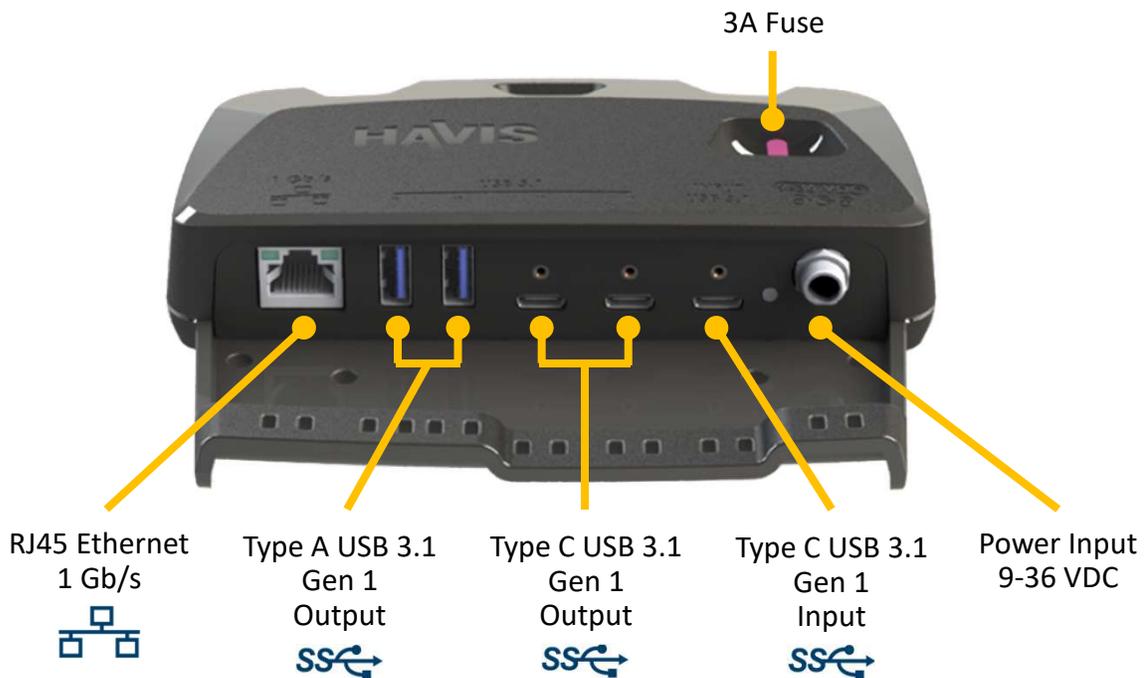
- #2 Phillips (for M4 pan head screws)



Specifications

Dimensions	1.25" (3.18 cm) H x 5.65" (14.35 cm) W x 4.91" (12.47 cm) D
Weight	0.44 lbs. (0.20 kg)
Operating Environment	-30° C to 70° C (-22° F to 158° F)
Storage Environment	-40° C to 85° C (-40° F to 185° F)
Power Supply Input	9-36V DC-In
Standby Current	< 50mA @ 12VDC
Maximum Current (USB 3.1 Type A)	0.9A (5V)
Maximum Current (USB 3.1 Type C)	1.5A (5V)
Maximum Power	26.0 W

Port Replication Capability



NOTICE

- Network adapters require a driver. Havis drivers can be accessed at <https://www.havis.com/support/>.
- USB-C ports do not support Alternate Mode or USB power delivery (PD).
- RJ45 Ethernet port supports WOL.

Dimensions



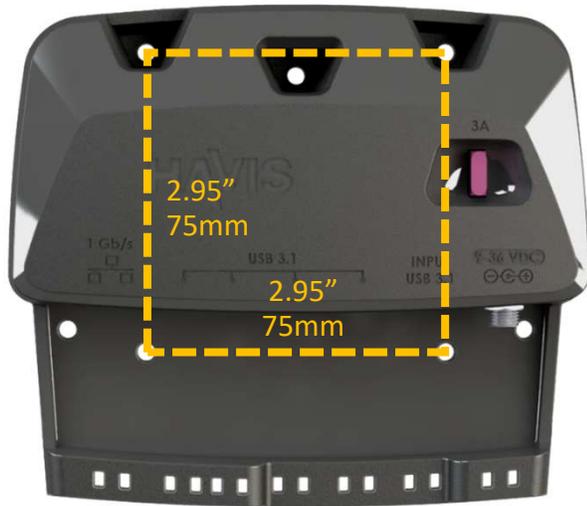
LED Diagnostics



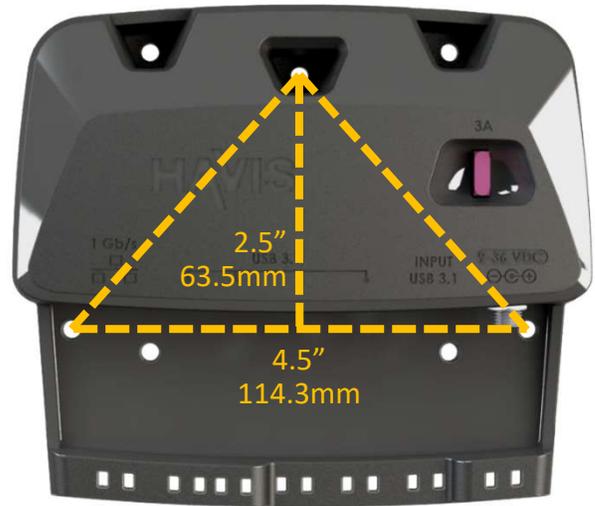
LED	Color	Status
Ethernet Indicator	Green	Link activity
	Amber	Receive activity
Power Indicator	Green	Hub is powered on

Installation and Cable Management

1) Identify which of the mounting configurations shown below is required.

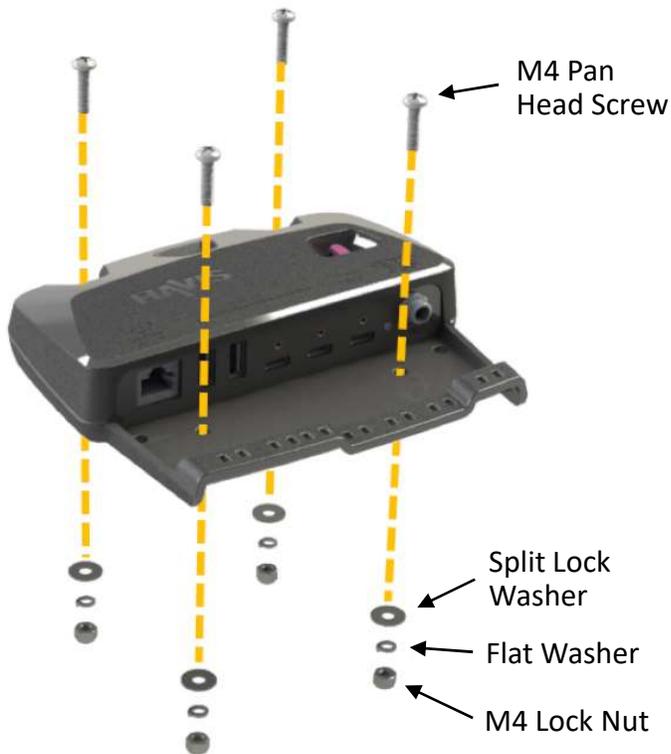


Option A
VESA 75 4-Hole Pattern



Option B
3-Hole Pattern

2) Using the hardware kit, secure USB hub to the mounting surface as per the chosen mounting configuration. Torque screws to 20 in-lbs \pm 10%.



Option A
VESA 75 4-Hole Pattern

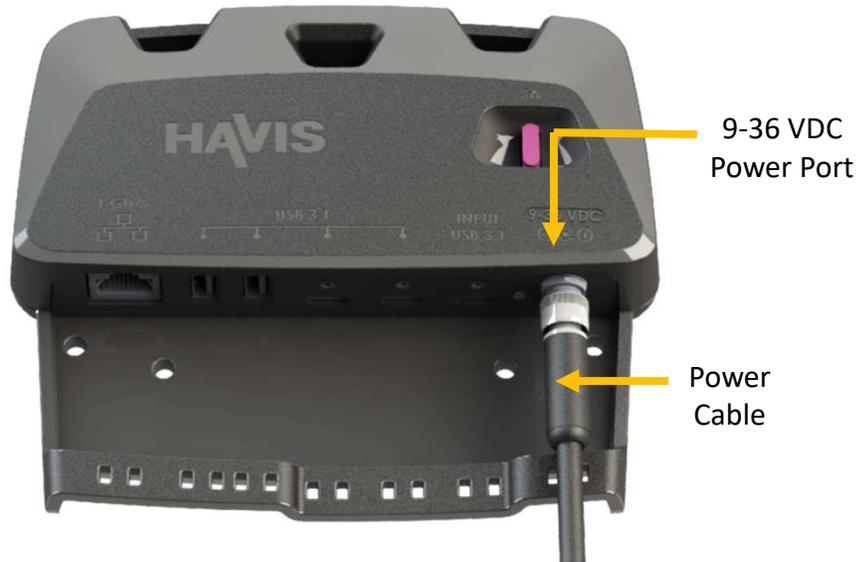


Option B
3-Hole Pattern

Installation and Cable Management (Continued)

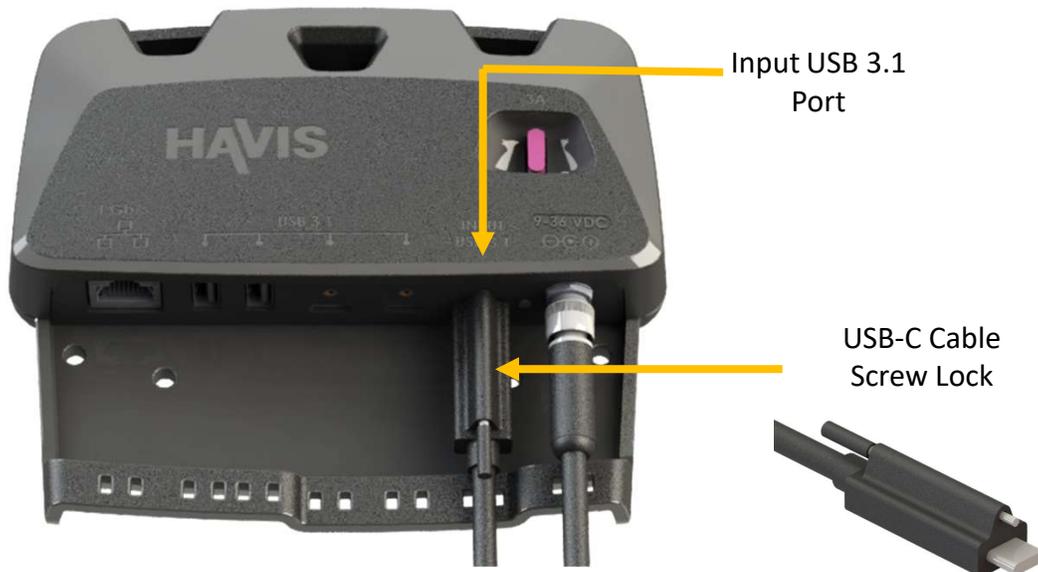
- 3) Plug the included power cable into the 9-36 VDC power port. Hand tighten the coupling ring.

CAUTION Do not overtighten or damage may occur.



- 4) Plug the included USB-C cable into the "INPUT USB 3.1" port. Make sure to use the cable end with a screw lock. Tighten the screw either by hand or by using a flat head screwdriver.

CAUTION Do not overtighten or damage may occur.



Installation and Cable Management (Continued)

- 5) Connect all other desired cables between peripheral devices and the rugged hub.



- 5) Use zip ties from the hardware kit to tie down and strain relieve cables.



Related Products

Havis offers a wide variety of accessory products specifically for use with your USB hub. For more information or to order, please visit www.havis.com.



DS-DA-344
USB-C Cable

USB-C to USB-C cable with a screw lock on one end. Length is 6.5 ft.



DS-DA-345
Power Cable

Power cable unique to the DS-DA-604 USB hub. Length is 6 ft.



LPS-167
AC Power Supply

Input 100-240 VAC via 3-prong US AC plug. Output 12VDC, 5A, 60W. via Switchcraft 761K connector. 10 ft. long.



LPS-174
Isolated Power Supply With Switchcraft Connector

Input 10-32 VDC via bare wire leads. Output 12VDC, 5A, 60W via Switchcraft 761K connector. 12 ft. long.



CG-X
ChargeGuard Auto Shut-Off Timer

Auto shut-off timer. Automatically turns mobile equipment on/off when the engine is turned on/off.