

# Owner's Manual Havis Docking Station For Getac K120 Convertible Laptop

## DS-GTC-1000 Series

DS-GTC-1001

DS-GTC-1001-3

DS-GTC-1002

DS-GTC-1002-3

DS-GTC-1003

DS-GTC-1003-3

DS-GTC-1006

DS-GTC-1006-3



DS-GTC-1000-SERIES\_OMN\_10-18

[www.havis.com](http://www.havis.com)

**HAVIS**

**Havis, Inc.**  
75 Jacksonville Road  
Warminster, PA 18974

1-800-524-9900

# Before Beginning

Havis is pleased to provide this Owner's Manual to aid in the proper installation and use of the DS-GTC-1000 Series Docking Station for the Getac K120 Convertible Laptop. For questions regarding the set-up of your DS-GTC-1000 Series Docking Station, please contact Havis at 1-800-524-9900 or visit [www.havis.com](http://www.havis.com) for additional product support and information.

This Owner's Manual applies to the following Part Numbers:

DS-GTC-1001  
DS-GTC-1001-3

DS-GTC-1002  
DS-GTC-1002-3

DS-GTC-1003  
DS-GTC-1003-3

DS-GTC-1006  
DS-GTC-1006-3

## WARNING

- **CUSTOMERS USING HAVIS K120 DOCKING STATIONS WITH PORT REPLICATION: DO NOT CONNECT A SECOND POWER SOURCE DIRECTLY TO THE POWER INPUT JACK OF A DOCKED COMPUTER AS THIS MAY CAUSE DAMAGE TO THE COMPUTER OR POWER SOURCES.**
- **NEVER STOW OR MOUNT THE DOCKING STATION DIRECTLY IN A VEHICLE AIRBAG DEPLOYMENT ZONE.**
- **DO NOT USE COMPUTER WHILE DRIVING.**

## CAUTION

- **READ ALL INSTRUCTIONS THOROUGHLY BEFORE BEGINNING INSTALLATION.**
- **DO NOT STORE, INSTALL, OR OPERATE THE DOCKING STATION WHERE WATER, MOISTURE, STEAM, DUST, ETC. ARE PRESENT**
- **DO NOT DOCK OR UNDOCK YOUR COMPUTER UNLESS IT IS POWERED OFF. DOCKING OR UNDOCKING WITH YOUR COMPUTER IN ON, STANDBY, HIBERNATION, OR SLEEP MODES CAN CAUSE PERMANENT DAMAGE.**
- **FOR THE DS-GTC-1001, DS-GTC-1001-3, DS-GTC-1002, & DS-GTC-1002-3 DOCKING STATIONS: DO NOT CONNECT DIRECTLY TO VEHICLE VOLTAGE SOURCE: This product requires a certified, automotive grade, Getac approved 120W power source rated for a continuous, regulated 19VDC output (*Havis Part Number LPS-140 or equivalent*). Failure to comply with this requirement will cause product damage that is NOT repairable and is NOT covered under warranty.**
- **FOR THE DS-GTC-1003, DS-GTC-1003-3, DS-GTC-1006, & DS-GTC-1006-3 DOCKING STATIONS: DO NOT CONNECT DIRECTLY TO VEHICLE VOLTAGE SOURCE: The Getac K120 Convertible Laptop requires a certified, Getac approved power source rated for a continuous, regulated 19VDC output. Failure to comply with this requirement will cause product damage that is NOT repairable and is NOT covered under warranty.**

## NOTICE

- **FOR DOCKING STATION MODELS EQUIPPED WITH A BUNDLED POWER SUPPLY (DS-GTC-1002, DS-GTC-1002-3, DS-GTC-1006, & DS-GTC-1006-3) REFER TO THE SUPPLIED GETAC POWER SUPPLY REFERENCE GUIDE.**
- **WHEN TABLET IS DOCKED, THE BATTERY WILL ONLY CHARGE BETWEEN 2°C to 50°C (35°F to 122°F). PLEASE REFER TO GETAC K120 CONVERTIBLE LAPTOP OWNER'S MANUAL FOR MORE INFORMATION.**

## Precautions

- Do not place metal objects or containers of liquid on top of the Docking Station
- If a malfunction occurs, immediately unplug the Power Supply and remove the laptop
- Use only the specified Power Supply (Part # LPS-140) with this Docking Station
- Do not connect cables into ports other than what they are specified for
- Do not leave the Docking Station in a high temperature environment (greater than 71°C, 160°F) for a long period of time

# Specifications

<b>Power Supply Input</b>	19V DC-In
<b>Dimensions</b>	11.71" (29.74 cm) H x 13.70" (32.70 cm) W x 2.68" (6.81 cm) D
<b>Weight</b>	5.87 lbs. (2.66 kg)
<b>Operating Environment</b>	-20° C to 60° C (-4° F to 140° F)
<b>Storage Environment</b>	-40° C to 71° C (-40° F to 160° F)

## 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 Docking Station For Getac K120 Convertible Laptop Only

**Model:** DS-GTC-100X, where 'X' may be any alphanumeric character and which describes product options.  
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	EN 50498:2010, Electromagnetic compatibility (EMC) -
2004/108/EC:	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

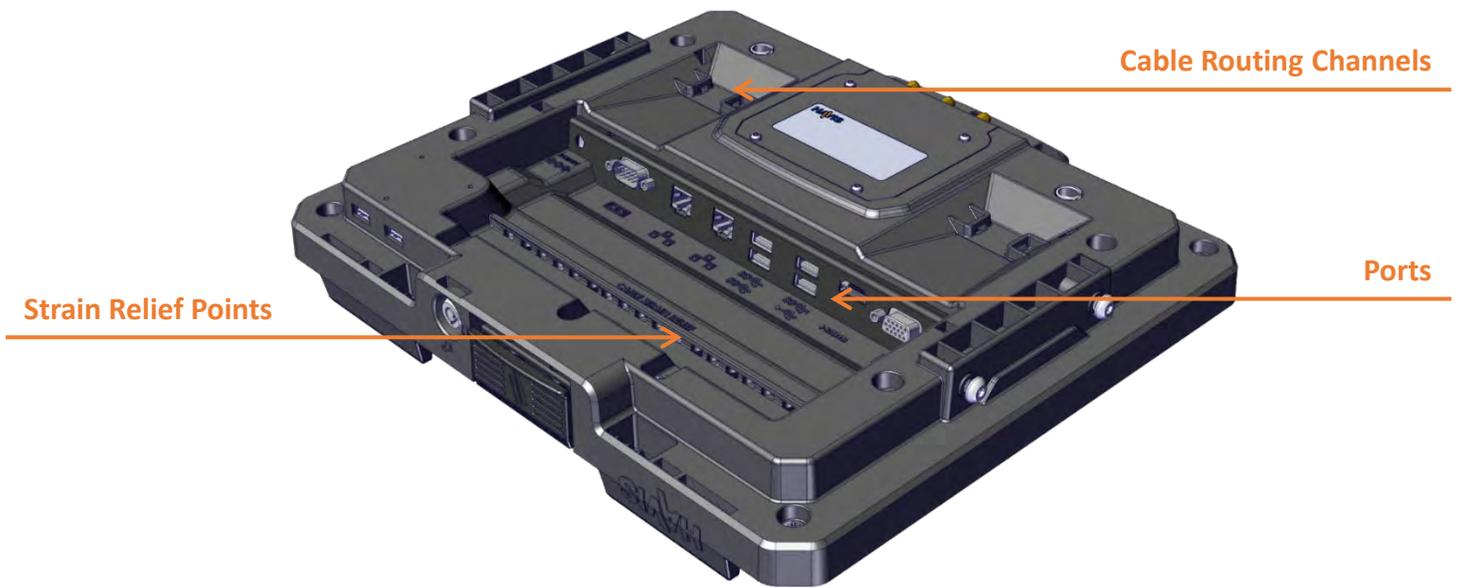
September 20, 2018

Bruce Jonik, 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-GTC-100X not expressly approved by Havis, Inc. could void the user's authority to operate this equipment.

# Parts Included

## Docking Station



## Parts Included (continued)

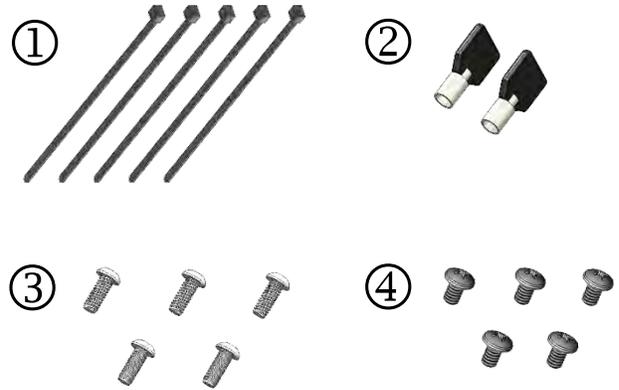
### Hardware Kit (HWK-0031)

This Hardware Kit includes:

1. Zip Ties (5)
2. Keys (2)
3. 1/4"-20 x 5/8" long  
Button Head Screws (5)
4. Phillips 1/4"-20 x 3/8"  
long Screws (5)

Tools required for installation:

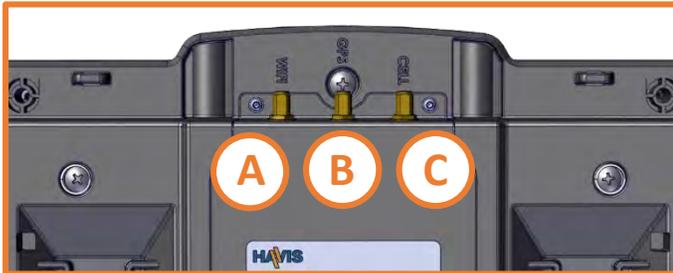
- 5/32" Hex Drive  
(For attaching Mounting Bracket to Motion Device with Button Head 1/4"-20 Screws)
- #3 Phillips  
(For attaching Docking Station to Mounting Bracket with Button Head 1/4"-20 Screws)



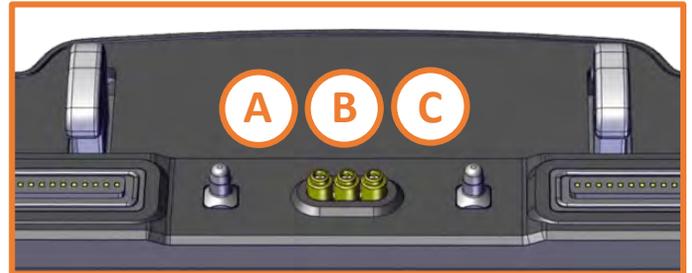
## Antenna Identification

*DS-GTC-1001-3, DS-GTC-1002-3, DS-GTC-1003-3, & DS-GTC-1006-3*

Rearward Facing  
Antenna Connectors (SMA)



Laptop Interface

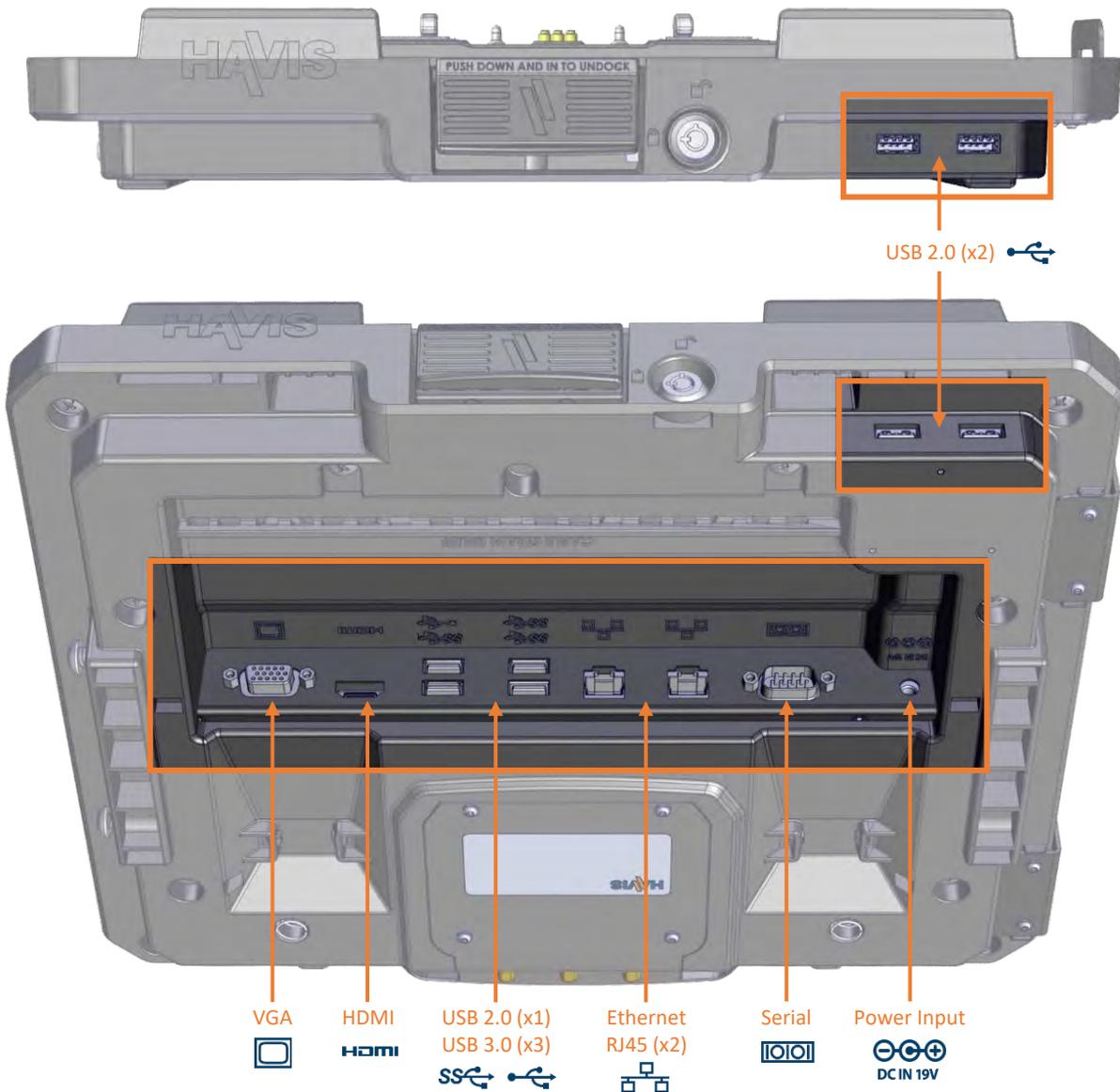


- A – WIFI
- B – GPS
- C – CELLULAR

# Port Replication Capability

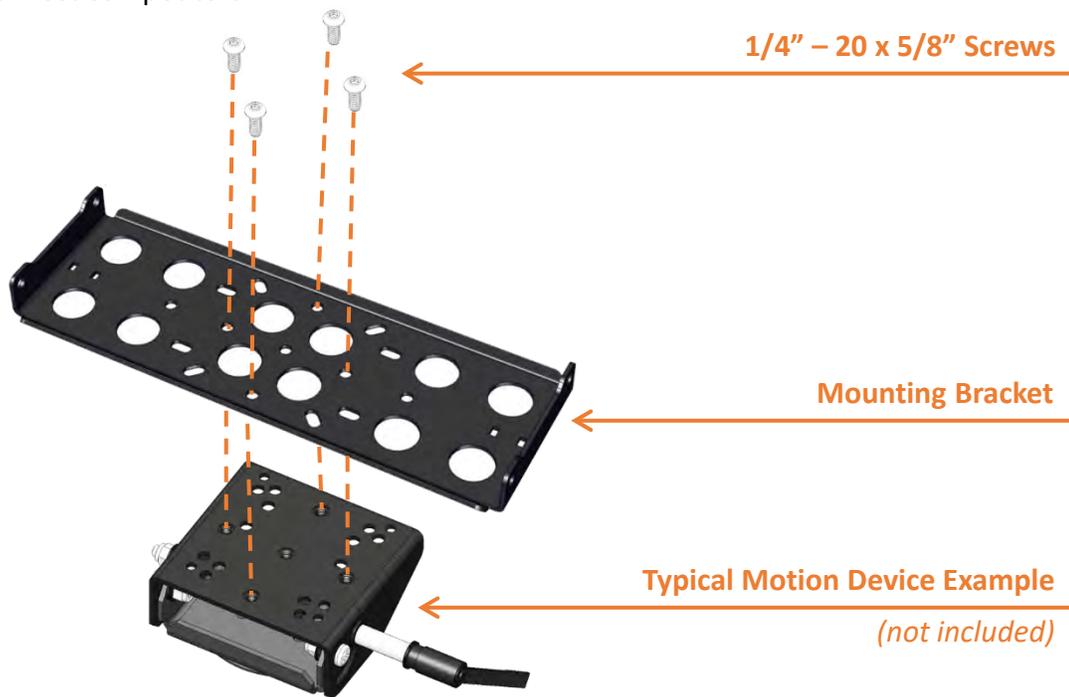
## Forward Facing Ports

DS-GTC-1001, DS-GTC-1001-3, DS-GTC-1002, DS-GTC-1002-3



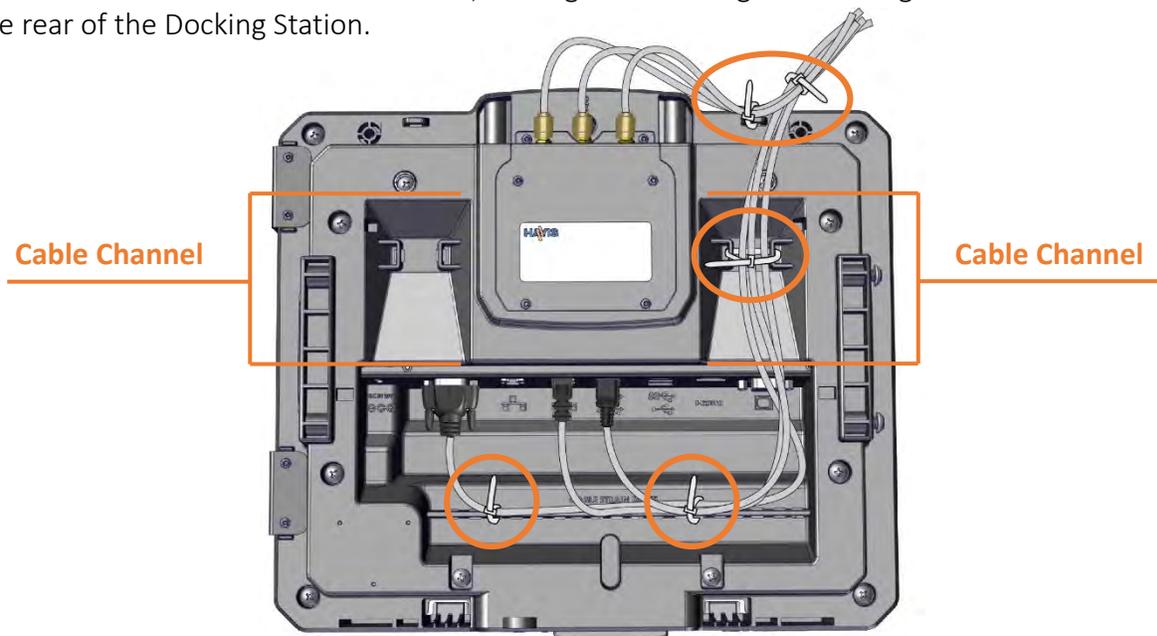
# Installation & Cable Management

- 1) Remove the Mounting Bracket from the packaging. Install the Mounting Bracket to the Motion Device using (4) 1/4"-20 x 5/8" long screws (Hardware Kit Item 3). Torque screws to 80 in-lbs (9.0Nm) ± 10%. NOTE: Numerous hole patterns present in Mounting Bracket will accommodate Havis Motion Devices as well as most competitors'.



**NOTE: We recommend applying a drop of medium strength (blue) thread locking adhesive to the threads of all fasteners.**

- 2) Orient the Docking Station in a position that is comfortable to work with.
- 3) Install all cables that are necessary for computing needs. Use Zip Ties (Hardware Kit Item 1) to strain relieve cables to the Strain Relief Points, routing all cables together through the Cable Channel and out the rear of the Docking Station.

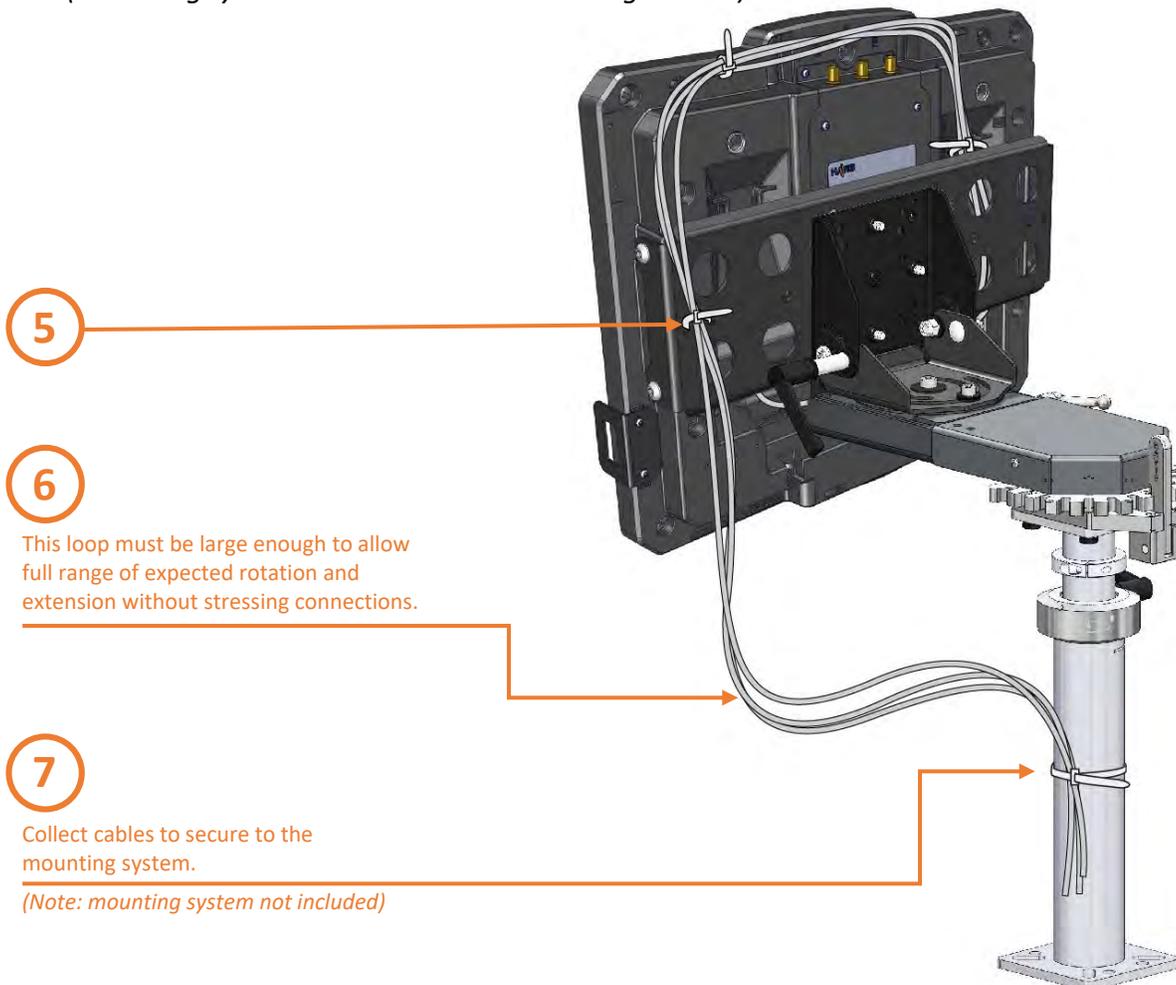


## Installation & Cable Management *(continued)*

- 4) Lower the Docking Station to the Mounting Bracket as shown and secure with (4) 1/4" -20 x 3/8" long screws (Hardware Kit Item 4). Ensure cable bundle remains in Cable Channel before securing. Torque screws to 80-in (9.0 Nm) ± 10%.



- 5) Secure cable bundle to the Mounting Bracket with a supplied Zip Tie.
- 6) Create a service loop with cable bundle to ensure that no tension is on the connectors and to enable intended range of motion.
- 7) Tie off cables onto a stationary part of the mounting system.  
*(Mounting system not included with Docking Station)*



5

6

This loop must be large enough to allow full range of expected rotation and extension without stressing connections.

7

Collect cables to secure to the mounting system.

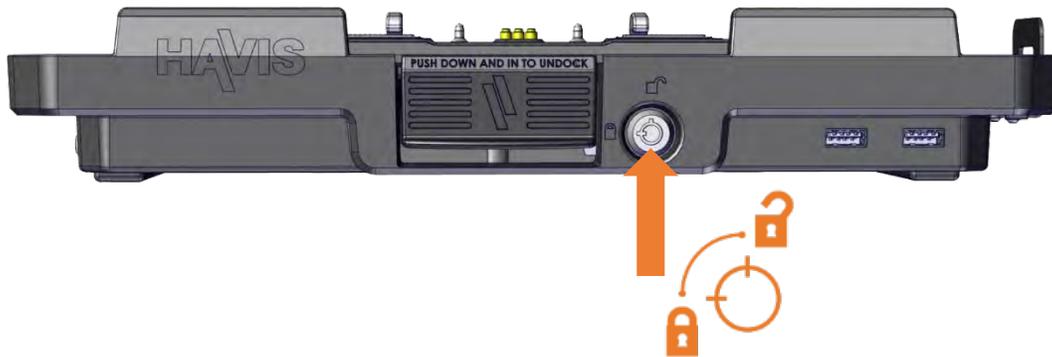
*(Note: mounting system not included)*

# Operation - Docking

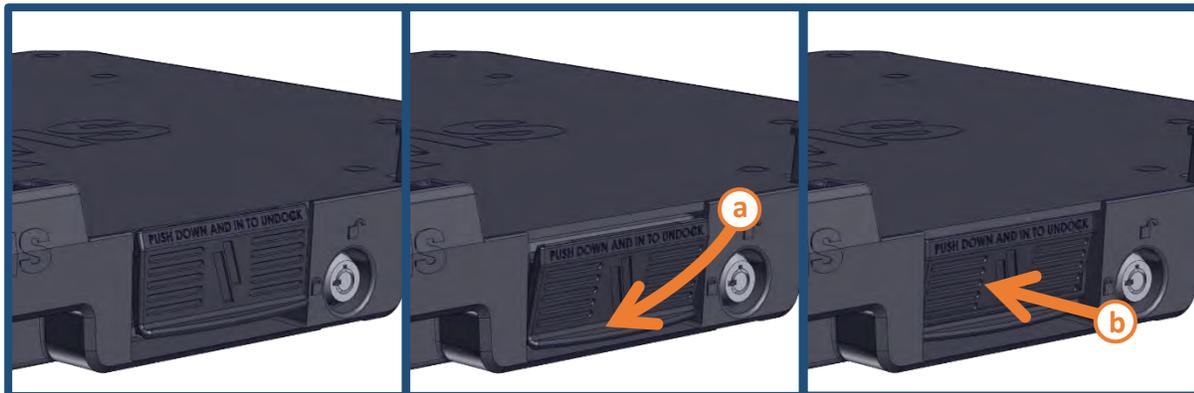
## **CAUTION**

**DO NOT FORCE LAPTOP ONTO DOCKING STATION. IF THERE IS RESISTANCE, CHECK ALIGNMENT OF LAPTOP ON DOCKING STATION.**

- 1) Ensure the Docking Station is unlocked.



- 2) Unlatch Rear Hooks by **a** pushing down on Release Handle, then **b** pushing in until a click can be heard.



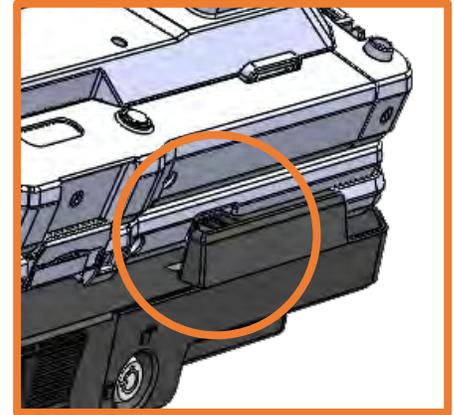
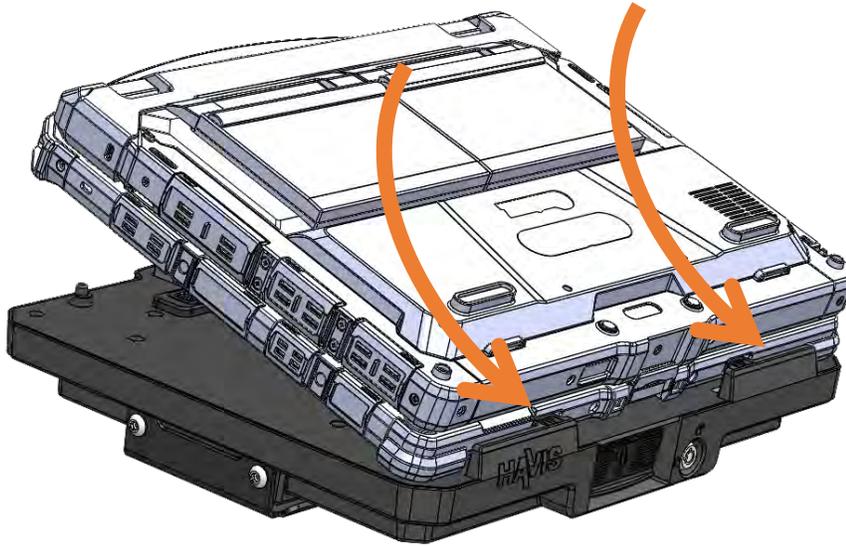
**Latched Rear Hooks**



**Unlatched Rear Hooks  
(Ready to dock K120 Laptop)**

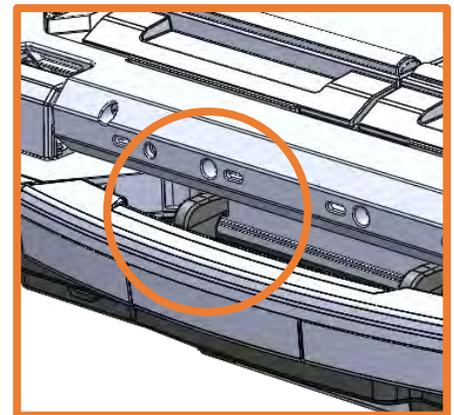
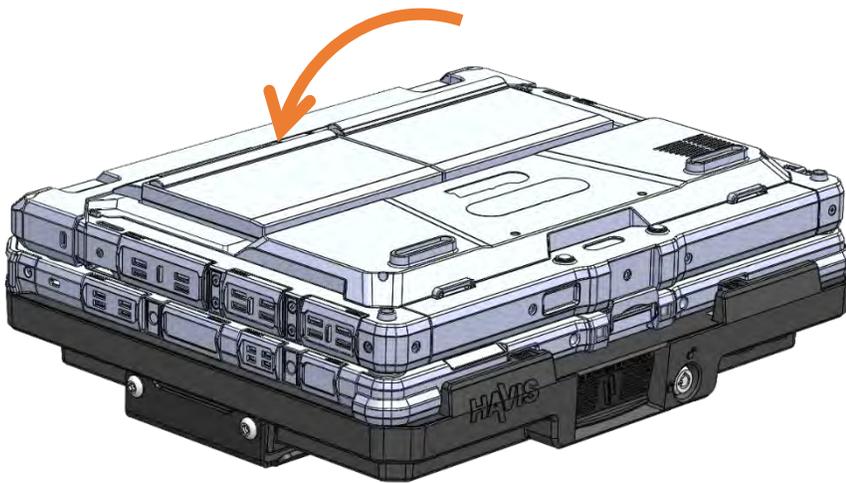
## Operation - Docking (continued)

- 3) With rear of computer elevated, load front of computer into Docking Station ensuring the computer's front hook pockets align with the Front Hooks of the Docking Station as shown.



Front View

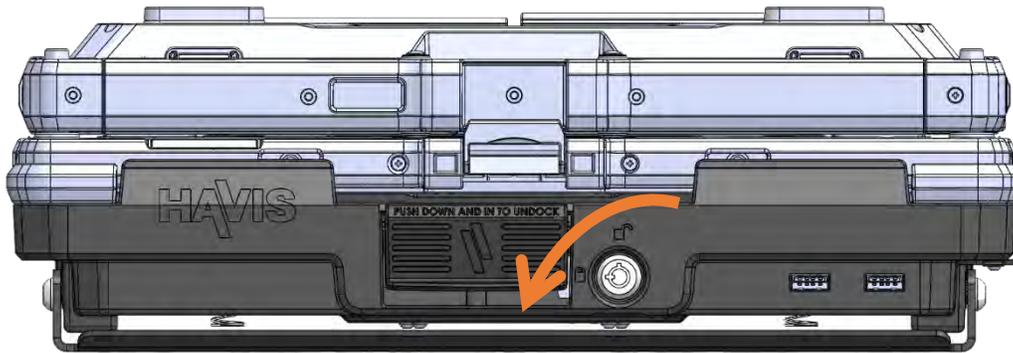
- 4) Lower rear of computer onto Docking Station, ensuring computer properly aligns with the Locator Pins on the Docking Station. Apply light downward pressure to the rear of computer, until Rear Hooks on Docking Station snap into place and secure the computer. Ensure Rear Hooks are fully engaged as shown in Reverse View below. If not, apply more downward pressure to ensure full engagement.



Reverse View

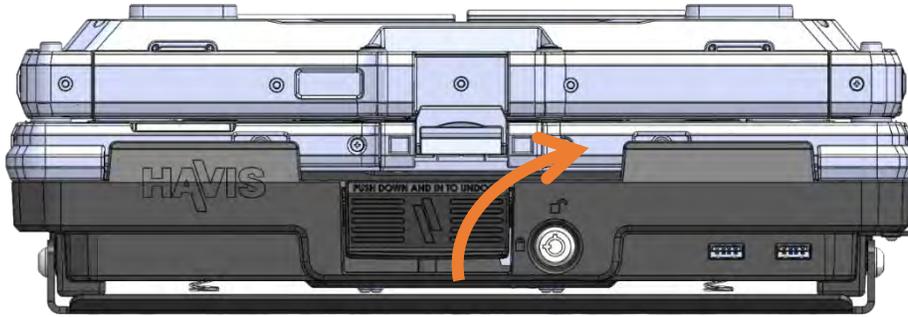
## Operation - Docking (continued)

5) For theft deterrence, secure computer by locking Docking Station with supplied key (Hardware Kit item 2).



# Operation - Undocking

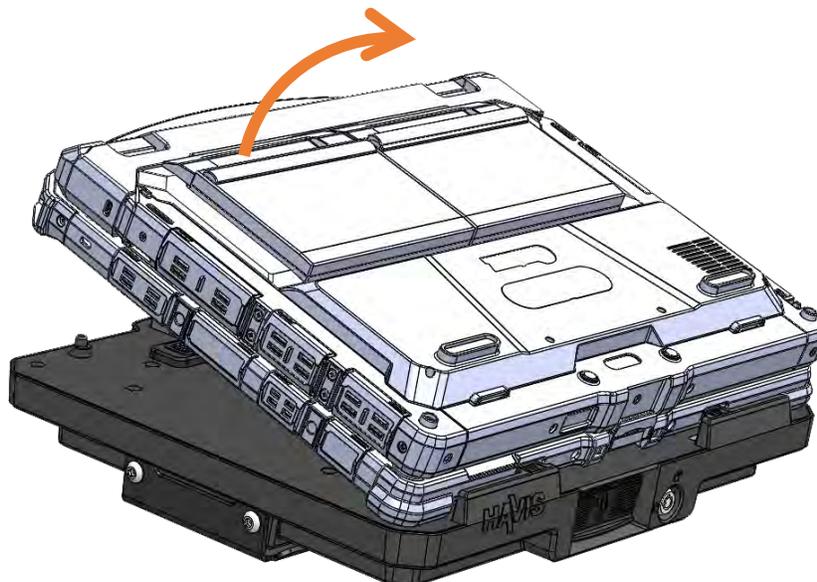
- 1) If previously locked, unlock Docking Station using supplied key.



- 2) Unlatch computer from Docking Station by, **a** pushing down on Release Handle, then **b** pushing in until Rear Hooks unlatch and a click can be heard. Rear Hooks will remain unlatched and K120 Laptop will elevate slightly from Docking Station.



- 3) Once unlatched grab laptop from carry handle or each side and carefully lift out of Docking Station, rear first.



## Related Products

Havis offers a wide variety of accessory products specifically for use with your Docking Station. For more information or to order, please visit [www.havis.com](http://www.havis.com).



### **LPS-140**

#### ***120W Power Supply***

External in-vehicle power supply and cable for Getac K120 Convertible Laptop with cigarette lighter adaptor.



### **LPS-211**

#### ***Power Supply Mounting Bracket***

Mount a power supply directly to your Docking Station with this versatile bracket.



### **DS-DA-422**

#### ***Screen Support***

Secure your laptop screen to prevent excess wear and reduce vibration while in use.



### **DS-DA-231 & DS-DA-232**

#### ***Card Reader Mounting Brackets***

Mount an E-Seek M250/260 card reader, or Magtek card reader to the side of the Docking Station.



### **DS-DA-502**

#### ***Replacement Keys***

Set of two (2) replacement keys for DS-GTC-1000 Series Docking Stations.

