Owner's Manual
Havis Docking Station
For Getac S510 Laptop

DS-GTC-1410 Series

DS-GTC-1411
DS-GTC-1411-3
DS-GTC-1412-BW
DS-GTC-1412-3-BW
DS-GTC-1413
DS-GTC-1413-3
DS-GTC-1416-BW
DS-GTC-1416-3-BW



Havis, Inc.
75 Jacksonville Road
Warminster, PA 18974

E101116_REV-B

Before Beginning

Havis is pleased to provide this Owner's Manual to aid in the proper installation and use of the DS-GTC-1410 Series Docking Station for the Getac S510 Laptop.

For questions regarding the set-up of your DS-GTC-1410 Series Docking Station, please contact Havis at 1-800-524-9900 or visit www.havis.com for additional product support and information.

⚠ WARNING

- **CUSTOMERS USING HAVIS S510 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.**
- **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.**

⚠ CAUTION

- **READ ALL INSTRUCTIONS THOROUGHLY BEFORE BEGINNING INSTALLATION.**
- **THIS PRODUCT IS NOT CLASSIFIED WITH AN IP (INGRESS PROTECTION) RATING. 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-1411, DS-GTC-1411-3, DS-GTC-1412-BW & DS-GTC-1412-3-BW 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-BW 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-1413, DS-GTC-1413-3, DS-GTC-1416-BW & DS-GTC-1416-3-BW DOCKING STATIONS (CRADLES): DO NOT CONNECT DIRECTLY TO VEHICLE VOLTAGE SOURCE: THE GETAC S510 REQUIRES A CERTIFIED, GETAC APPROVED POWER SOURCE RATED FOR A CONTINUOUS, REGULATED 19 VDC OUTPUT. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL CAUSE PRODUCT DAMAGE THAT IS NOT REPAIRABLE AND IS NOT COVERED UNDER WARRANTY.**
- **USE ONLY THE SPECIFIED POWER SUPPLY (PART # LPS-140-BW) 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 85°C, 185°F).**

NOTICE

- **FOR DOCKING STATION MODELS EQUIPPED WITH A BUNDLED POWER SUPPLY (DS-GTC-1412, DS-GTC-1412-3) REFER TO THE SUPPLIED GETAC POWER SUPPLY REFERENCE GUIDE.**
- **WHEN LAPTOP IS DOCKED, THE BATTERY WILL ONLY CHARGE BETWEEN 2°C to 50°C (35°F to 122°F). PLEASE REFER TO GETAC S510 LAPTOP OWNER'S MANUAL FOR MORE INFORMATION.**

Avant de commencer

Havis est ravi de fournir ce manuel du propriétaire pour faciliter l'installation et à assurer une utilisation adéquate de la station d'accueil de série DS-GTC-1410 pour le Getac S510 Laptop.

Pour toute question concernant la configuration de votre station d'accueil de série DS-GTC-1410 veuillez communiquer avec Havis au 1-800-524-9900 ou visitez le www.havis.com pour obtenir de l'aide et des informations supplémentaires sur le produit.

⚠ AVERTISSEMENT

- **CLIENTS UTILISANT LES STATIONS D'ACCUEIL HAVIS S510 AVEC RÉPLICATION DE PORTS : NE CONNECTEZ PAS UNE DEUXIÈME SOURCE D'ALIMENTATION DIRECTEMENT À LA PRISE D'ENTRÉE D'ALIMENTATION D'UN ORDINATEUR DOCKÉ, CAR CELA POURRAIT ENDOMMAGER L'ORDINATEUR OU LES SOURCES D'ALIMENTATION.**
- **NE JAMAIS RANGER OU MONTER LA STATION D'ACCUEIL DIRECTEMENT DANS LA ZONE DE DÉPLOIEMENT D'UN COUSSIN GONFLABLE DU VÉHICULE.**
- **NE PAS UTILISER L'ORDINATEUR EN CONDUISANT.**
- **NE PAS PLACER D'OBJETS MÉTALLIQUES OU DE RÉCIPIENTS CONTENANT DU LIQUIDE SUR LA STATION D'ACCUEIL.**
- **EN CAS DE DYSFONCTIONNEMENT, DÉBRANCHEZ IMMÉDIATEMENT L'ALIMENTATION ÉLECTRIQUE ET RETIREZ L'ORDINATEUR PORTABLE.**

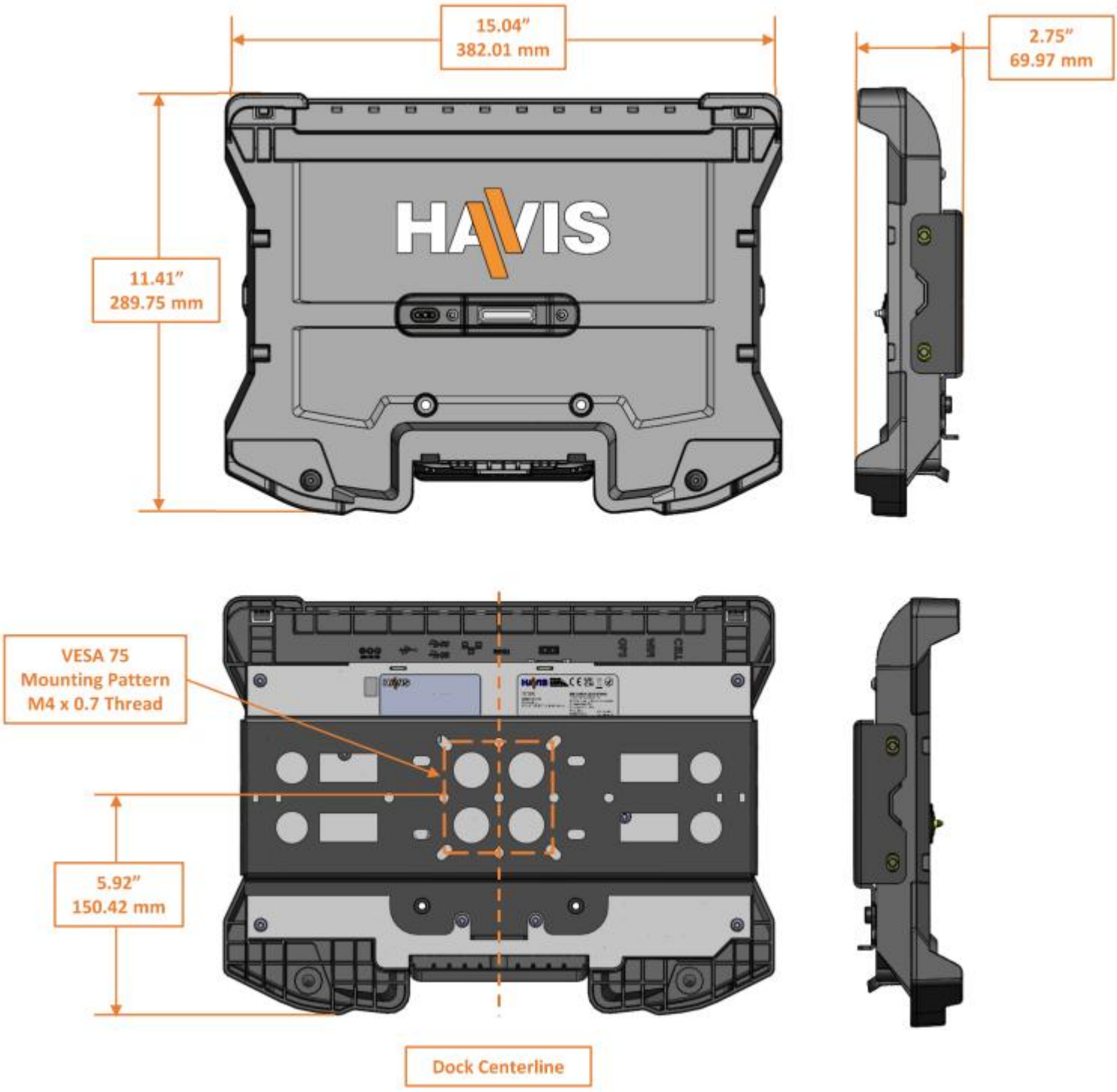
⚠ ATTENTION

- **LISEZ ATTENTIVEMENT TOUTES LES INSTRUCTIONS AVANT DE COMMENCER L'INSTALLATION.**
- **CE PRODUIT N'EST PAS DOTÉ D'UN INDICE DE PROTECTION IP (PROTECTION CONTRE LES INFILTRATIONS). NE PAS ENTREPOSER, NE PAS INSTALLER ET NE PAS UTILISER LA STATION D'ACCUEIL DANS UN ENDROIT OÙ DE L'EAU, DE L'HUMIDITÉ, DE LA VAPEUR, DE LA POUSSIÈRE, ETC. SONT PRÉSENTS.**
- **NE PAS ENTREPOSER, INSTALLER OU UTILISER LA STATION D'ACCUEIL DANS UN ENDROIT OÙ L'EAU, L'HUMIDITE, LA VAPEUR, LA POUSSIERE, ETC. SONT PRÉSENTS.**
- **NE PAS PLACER OU RETIRER L'ORDINATEUR DE LA STATION D'ACCUEIL S'IL N'EST PAS ÉTEINT. PLACER OU RETIRER L'ORDINATEUR EN MODE MARCHE, ATTENTE, VEILLE OU VEILLE PROLONGÉE PEUT PROVOQUER DES DOMMAGES PERMANENTS.**
- **POUR LES STATIONS D'ACCUEIL DS-GTC-1411, DS-GTC-1411-3, DS-GTC-1412-BW ET DS-GTC-1412-3-BW : NE PAS CONNECTER DIRECTEMENT À LA SOURCE DE TENSION DU VÉHICULE: CE PRODUIT NÉCESSITE UNE SOURCE D'ALIMENTATION NOMINALE 120W DE QUALITÉ AUTOMOBILE, APPROUVÉE PAR GETAC, CONÇUE POUR UNE SORTIE CONTINUE ET RÉGULÉE 19 VDC (*NUMÉRO DE PIÈCE HAVIS LPS-140-BW OU ÉQUIVALENT*). LE NON-RESPECT DE CETTE EXIGENCE ENTRAÎNERA DES DOMMAGES AU PRODUIT QUI NE SONT PAS RÉPARABLES ET NE SONT PAS COUVERTS PAR LA GARANTIE.**
- **POUR LES STATIONS D'ACCUEIL (SUPPORT) DS-GTC-1413, DS-GTC-1413-3, DS-GTC-1416-BW & DS-GTC-1416-3-BW : NE PAS CONNECTER DIRECTEMENT À LA SOURCE DE TENSION DU VÉHICULE: LA MARQUE ET LE MODÈLE DE L'ORDINATEUR INSÉRÉ NÉCESSITENT UNE SOURCE D'ALIMENTATION CERTIFIÉE, APPROUVÉE PAR GETAC, CONÇUE POUR UNE SORTIE CONTINUE ET RÉGULÉE 19 VDC LE NON-RESPECT DE CETTE EXIGENCE ENTRAÎNERA DES DOMMAGES AU PRODUIT QUI NE SONT PAS RÉPARABLES ET NE SONT PAS COUVERTS PAR LA GARANTIE.**
- **UTILISER UNIQUEMENT LE BLOC D'ALIMENTATION SPÉCIFIÉ (PIÈCE # LPS-140-BW) AVEC CETTE STATION D'ACCUEIL.**
- **NE PAS BRANCHER DE CÂBLES DANS D'AUTRES PORTS QUE CEUX AUXQUELS ILS SONT DESTINÉS.**
- **NE LAISSER PAS LA STATION D'ACCUEIL DANS UN ENVIRONNEMENT À HAUTE TEMPÉRATURE (PLUS DE 85°C, 185°F).**

Specifications

Configuration (SKU)	Description	Power Options	Dock Input Voltage Requirement	Weight : Lbs (kg)
DS-GTC-1411	Standard I/O	External	19V DC/6.32A	5.7 lbs. (2.59 kg)
DS-GTC-1411-3	Standard I/O with Pass-Thru Antenna	External	19V DC/6.32A	5.7 lbs. (2.59 kg)
DS-GTC-1412-BW	Standard I/O and External Power Supply (LPS-140-BW)	External	19V DC/6.32A	6.5 lbs. (2.95 kg)
DS-GTC-1412-3-BW	Standard I/O with Pass-Thru Antenna and External Power Supply (LPS-140-BW)	External	19V DC/6.32A	6.5 lbs. (2.95 kg)
DS-GTC-1413	Cradle (No Electronics)	External	N/A	5.7 lbs. (2.59 kg)
DS-GTC-1413-3	Cradle (No Electronics) with Pass-Thru Antenna	External	N/A	5.7 lbs. (2.59 kg)
DS-GTC-1416-BW	Cradle (No Electronics) and External Power Supply (LPS-140-BW)	External	19V Input Direct to Getac S510 Device	6.5 lbs. (2.95 kg)
DS-GTC-1416-3-BW	Cradle (No Electronics) with Pass-Thru Antenna and External Power Supply (LPS-140-BW)	External	19V Input Direct to Getac S510 Device	6.5 lbs. (2.95 kg)
Dimensions	11.41" (28.98 cm) H x 15.04" (38.20 cm) W x 2.75" (6.99 cm) D			
Operating Environment	-29° C to 63° C (-20° F to 145° F)			
Storage Environment	-40° C to 85° C (-40° F to 185° F)			

Specifications



Parts Included

Docking Station



Parts Included *(continued)*

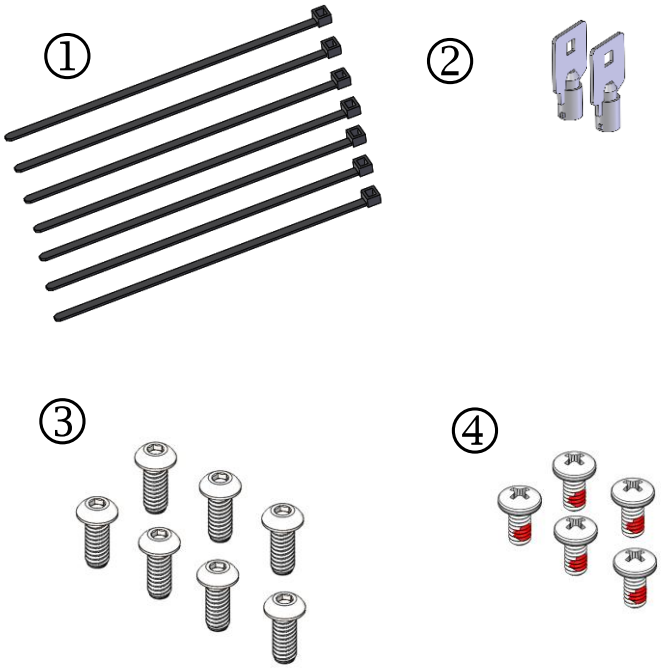
Hardware Kit *(HWK-0015)*

This Hardware Kit includes:

1. Zip Ties (7)
2. Keys (2)
3. 1/4”-20 x 5/8” long Button Head Screws (7)
4. 1/4”-20 x 3/8” long Button Head Screws (5)

Tools required for installation:

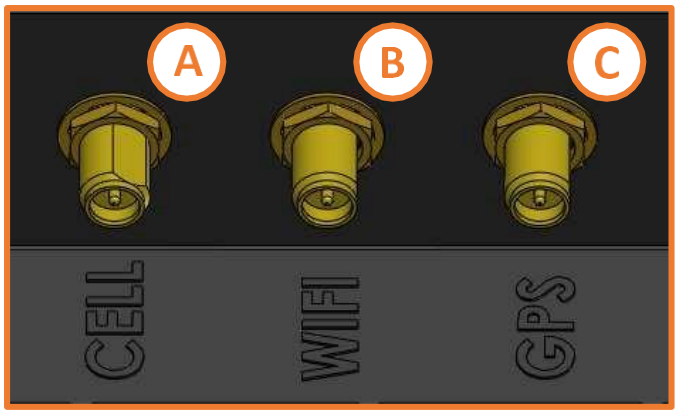
- 5/32” Hex Drive
  (For driving 1/4-20 x 5/8” long screws)
- Phillips Drive
  (For driving 1/4-20 x 3/8” long screws)



Antenna Identification

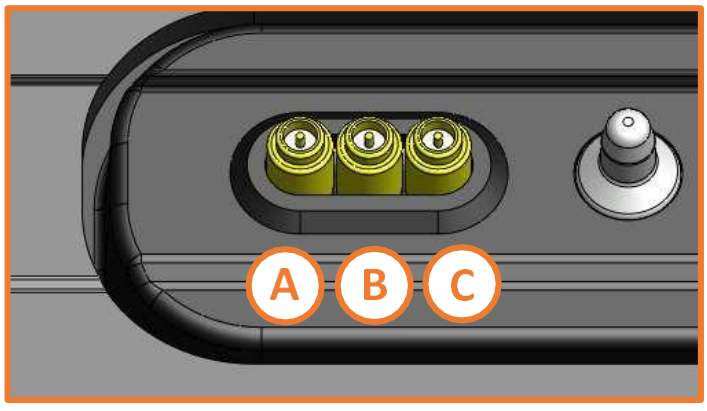
DS-GTC-1411-3, DS-GTC-1412-3-BW, DS-GTC-1413-3

Rearward Facing
Antenna Connectors (SMA)



A – CELLULAR
B – WIFI
C – GPS

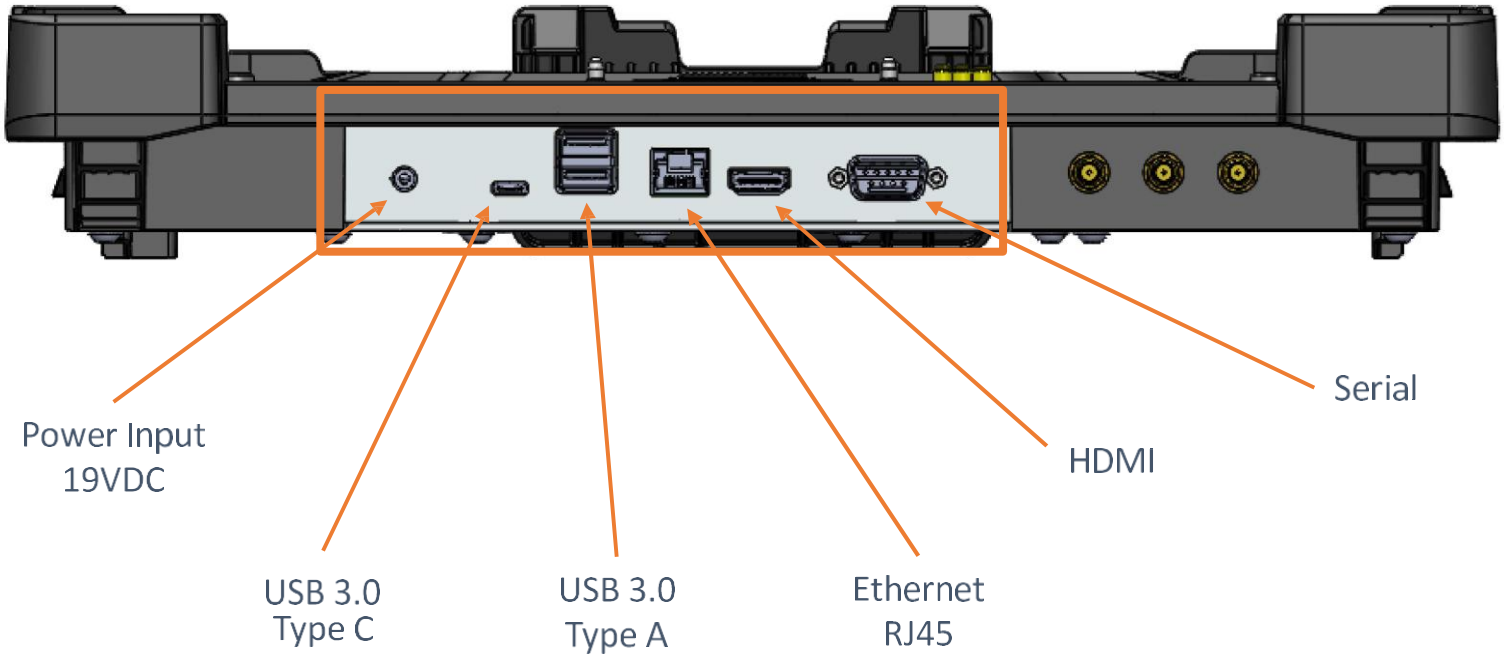
Laptop Interface



Port Replication Capability

Reward Facing Ports

DS-GTC-1411, DS-GTC-1411-3, DS-GTC-1412-BW, DS-GTC-1412-3-BW



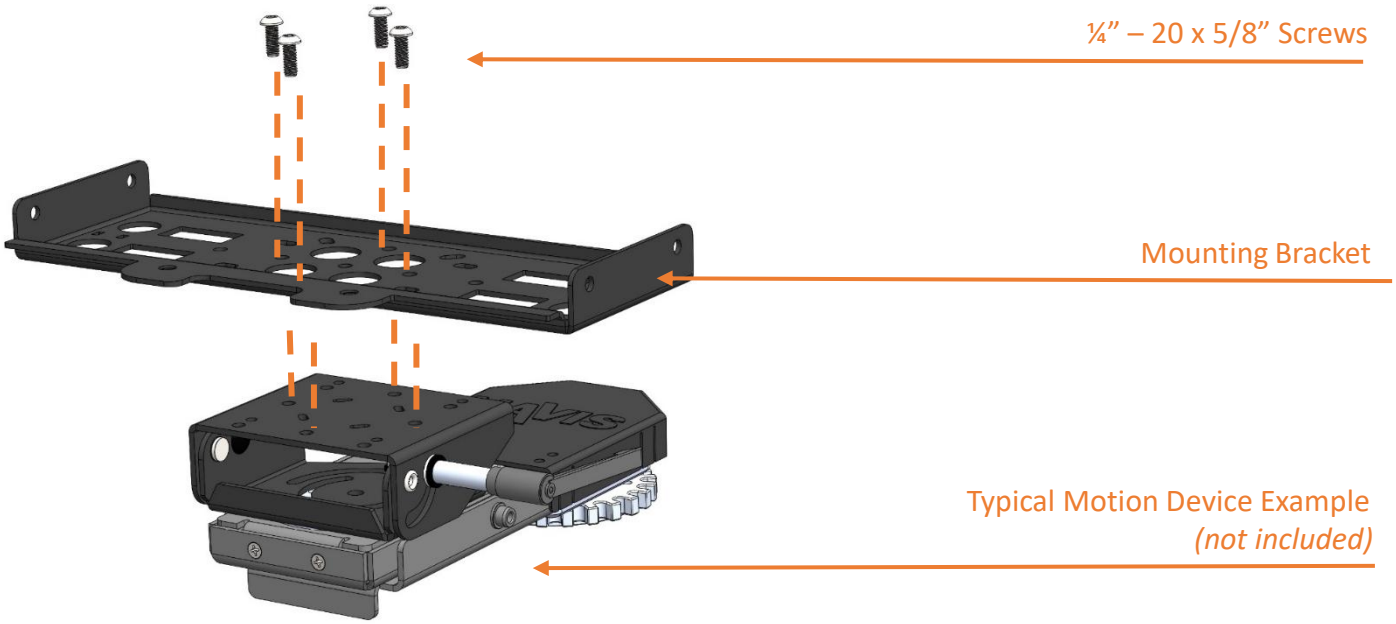
Forward Facing Ports

DS-GTC-1411, DS-GTC-1411-3, DS-GTC-1412-BW, DS-GTC-1412-3-BW



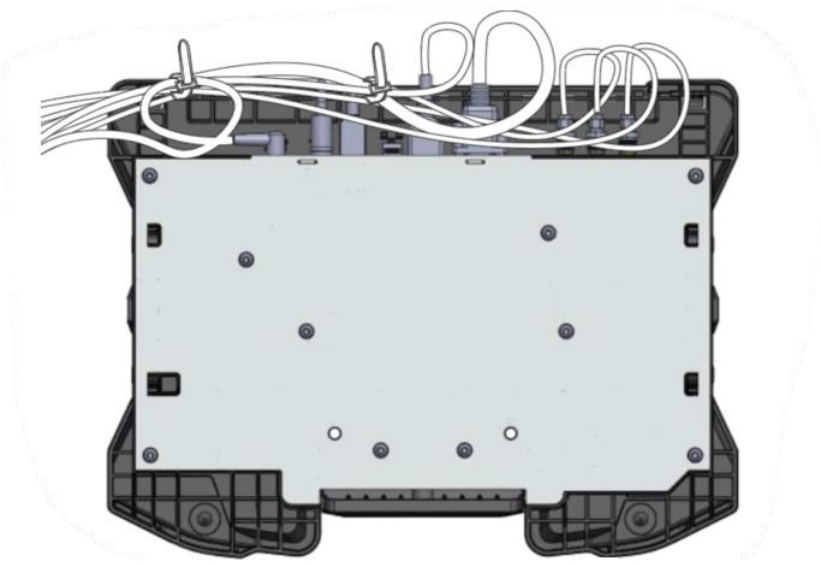
DRAFT COPY

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'.

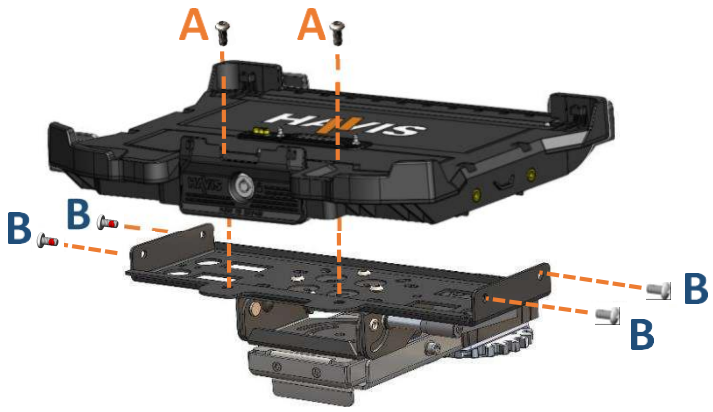


NOTE: We recommend applying a drop of medium strength (blue) thread locking adhesive to the threads of all fasteners.

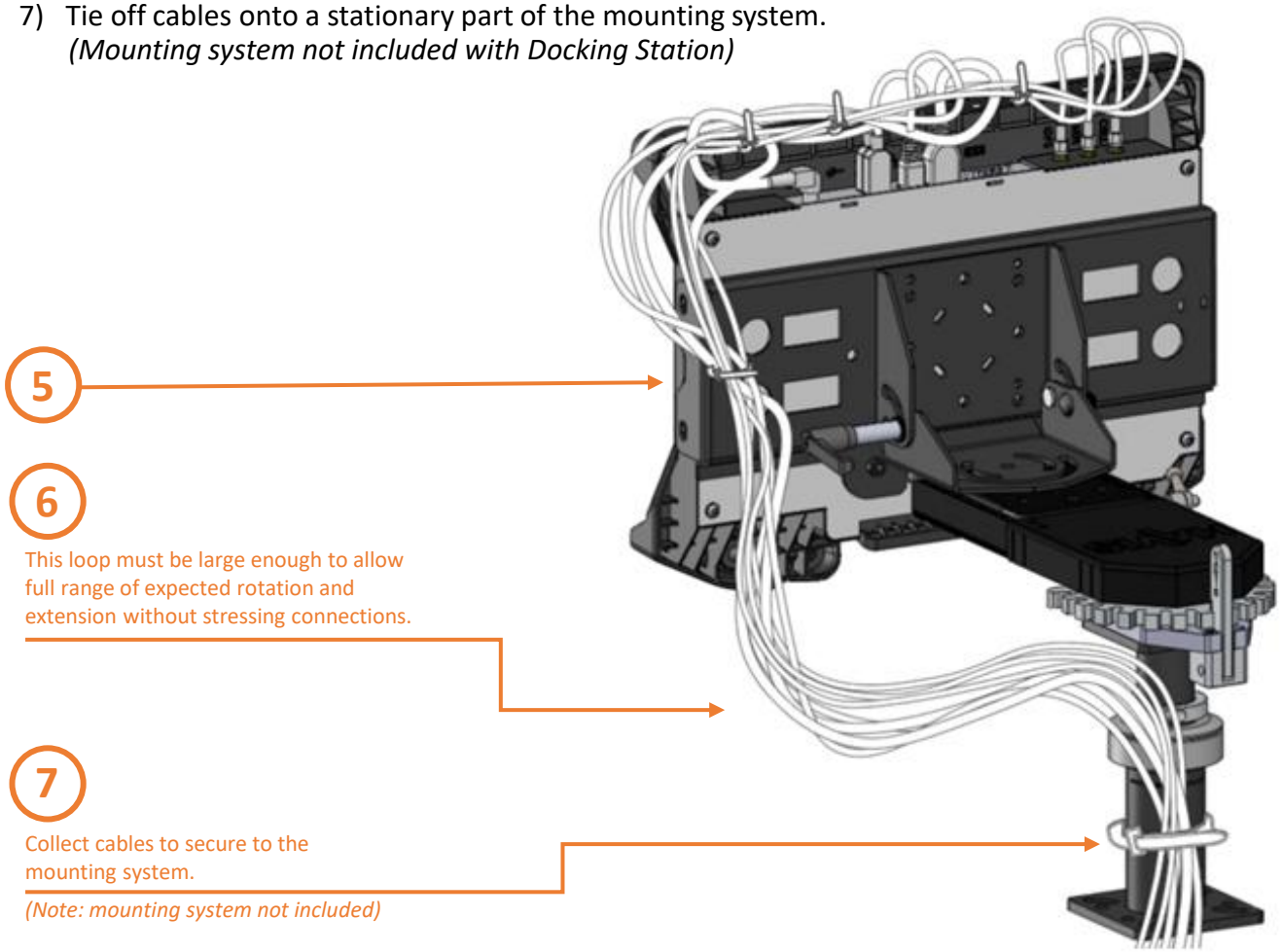
2) Orient the Docking Station in a position that is comfortable to work with.
3) Install all cables that are necessary for computing needs. Use Zip Ties (Hardware Kit Item 1) to strain relieve cables to the Strain Relief Points, routing all cables together through the Cable Channel and out the rear of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



4) Lower the Docking Station to the Mounting Bracket as shown and secure fasteners in order, starting with (A) (2) 1/4”-20 x 5/8” long screws (Hardware Kit Item 3). Then, secure (B) (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·lb (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)

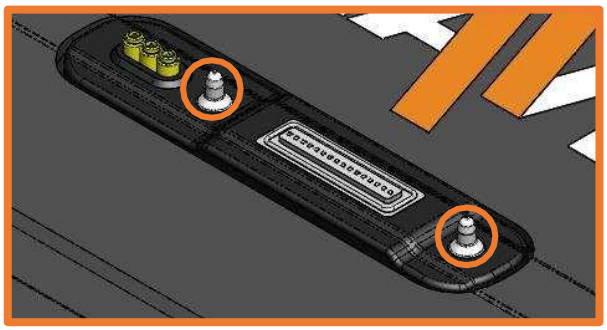


Operation - Docking

CAUTION

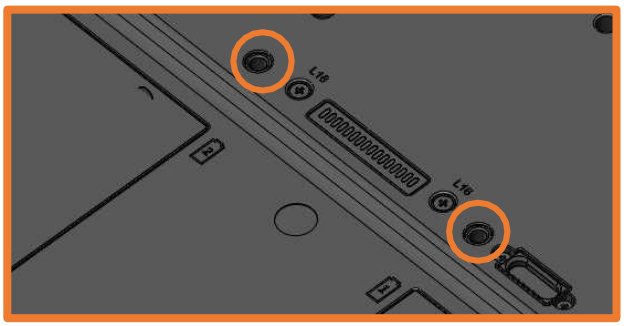
DO NOT FORCE LAPTOP ONTO DOCKING STATION. IF THERE IS RESISTANCE, CHECK ALIGNMENT OF LAPTOP ON DOCKING STATION.

NE FORCEZ PAS L'ORDINATEUR PORTABLE SUR LA STATION D'ACCUEIL. EN CAS DE RÉSISTANCE, VÉRIFIEZ L'ALIGNEMENT DE L'ORDINATEUR PORTABLE SUR LA STATION D'ACCUEIL.



Alignment Posts on the DS-GTC-1410 Docking Station.

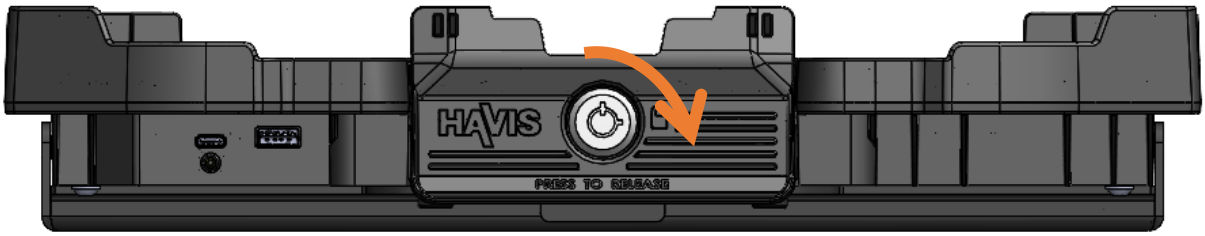
Poteaux d'alignement sur la station d'accueil de la série DS-GTC-1410.



Alignment Pockets on the S510 Laptop.

Poches d'alignement sur le portable Getac S510.

1) Ensure the Docking Station is unlocked.

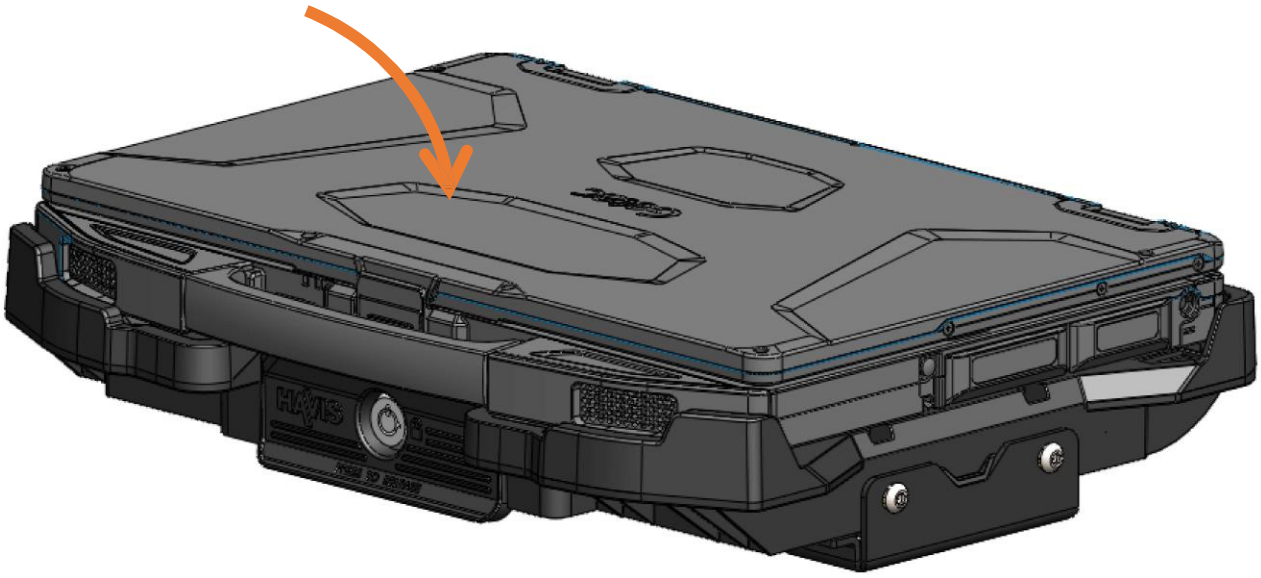




3) With the front of computer elevated, load rear of computer into Docking Station ensuring the computer's rear hook pockets align with the Rear Hooks of the Docking Station as shown.

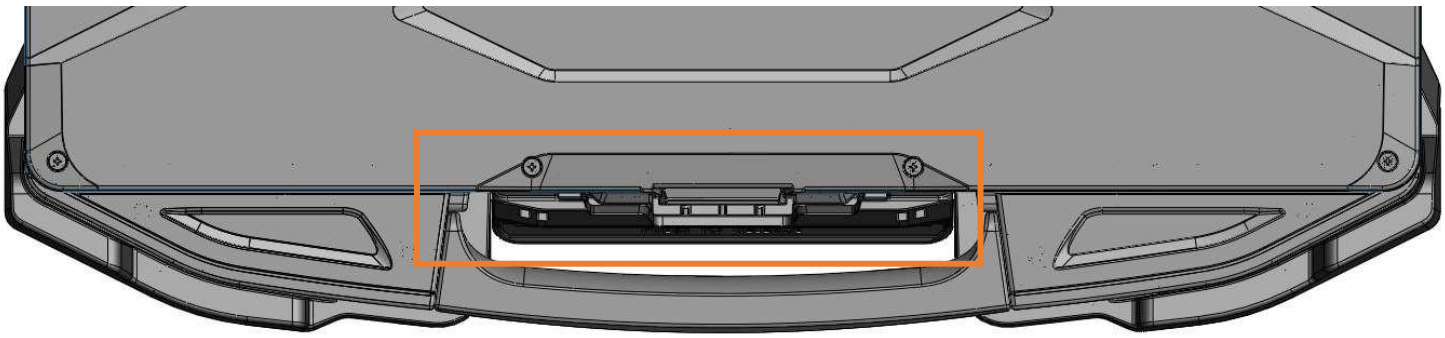


4) Lower front of computer onto Docking Station, ensuring computer properly aligns with the front fence on the Docking Station. Apply downward pressure to the front of computer, until Front Hooks on Docking Station snap into place and secure the computer. Ensure Front Hooks are fully engaged by trying to pull up on the laptops handle.

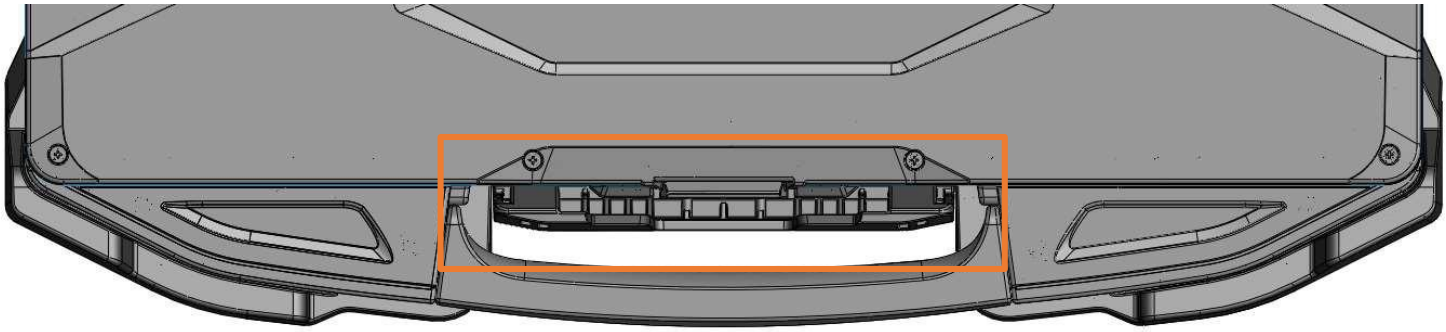


5) Ensure latch hooks are fully engaged. Pictured below

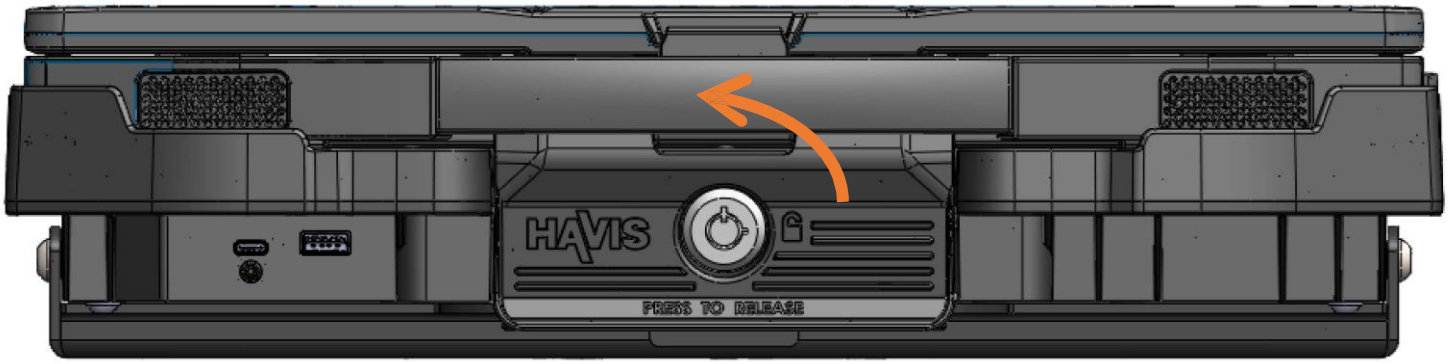
Fully Latched



NOT Fully Latched, must re-dock the laptop



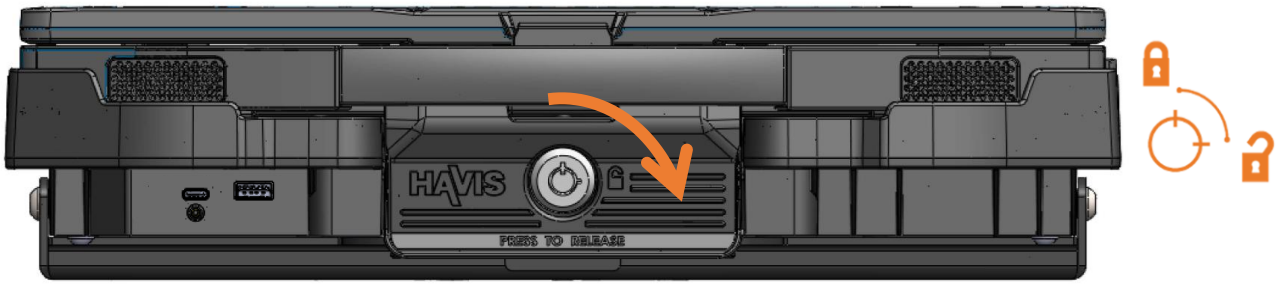
6) For theft deterrence, secure computer by locking Docking Station with supplied key (Hardware Kit item 2).



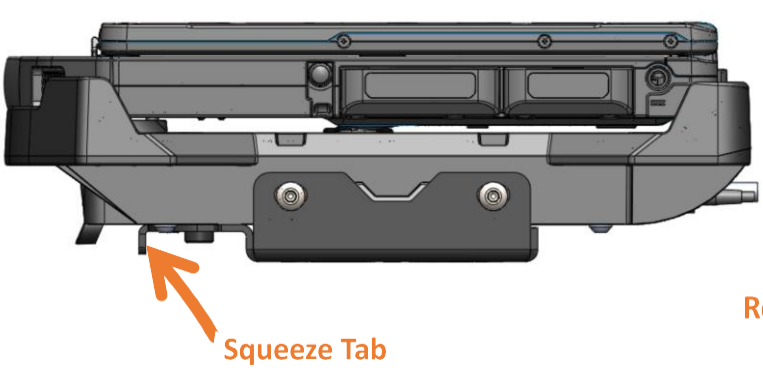


Operation - Undocking

1) If previously locked, unlock Docking Station using supplied key (Hardware Kit item 2)..

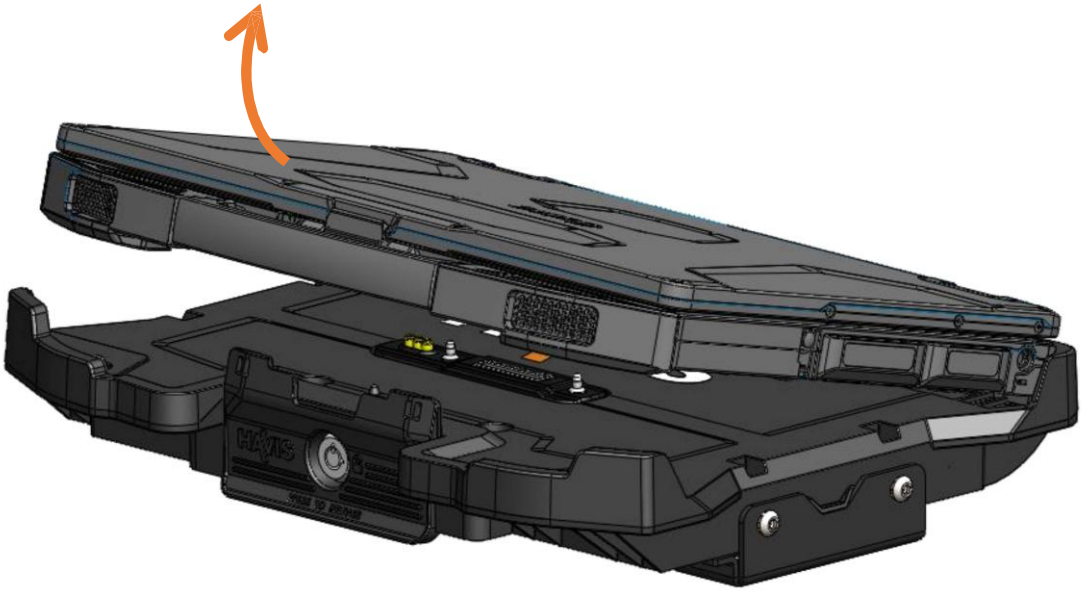


2) Unlatch computer from Docking Station by pushing on the Release Handle in the direction shown below. Once unlatched the computer will rise above the front latch hooks.





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



Canada

CAN ICES (A) / NMB (A)

Class A equipment
This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Warning: Operation of this equipment in a residential environment could cause radio interference.

Équipement de Classe A
Cet appareil numérique de la Classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Avertissement: L'utilisation de cet équipement dans un environnement résidentiel peut provoquer des interférences radio.

United States of America

FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Responsible party (contact for FCC matters only):
Havis, Inc.
75 Jacksonville Road
Warminster, PA 18974
havis.com/contact-us

Warning: Operation of this equipment in a residential environment could cause radio interference**.**

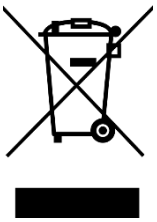
European Union

Waste Electrical and Electronic Equipment (WEEE)

Electrical and electronic equipment (EEE) contain materials, components and substances that can be hazardous and harmful to human health and the environment when WEEE is not disposed of properly.

Products marked with the "crossed-out wheeled bin" symbol are EEE. The crossed-out wheeled bin symbolizes that WEEE must not be disposed of together with unsorted household waste, but must be collected separately.

For this purpose, all municipalities have established collection schemes where WEEE can be handed in, free of charge, by citizens at recycling stations or other collection points or collected directly from households. Further information should be obtained from the municipality's technical administration.



This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead, it is your responsibility to dispose of your waste equipment by arranging to return it to a designated collection point for the recycling of WEEE. By separating and recycling your waste equipment at the time of disposal, you will help to conserve natural resources and ensure that the equipment is recycled in a manner that protects human health and the environment. This product is EEE and shall not be placed in the municipal waste after end of its life. This device should be handled properly and handed over to appropriate collection places or to authorized companies.

Conformité Européene (CE) Mark



The CE marking on a Havis product indicates conformity to the provisions of applicable European Union (EU) directives. The EU Declaration of Conformity (DoC) is the manufacturer's declaration that the product complies with those directives.

EU Authorized Representative:

Alura Group B.V.
Kroonwiel 2, 6003 BT Weert, Netherlands

Warning: Operation of this equipment in a residential environment could cause radio interference.

United Kingdom

United Kingdom Conformity Assessed (UKCA) Mark



The UKCA marking on a Havis product indicates conformity to the provisions of applicable European Union (EU) directives and United Kingdom (UK) legislations. The UK Declaration of Conformity (DoC) is the manufacturer's declaration that the product complies with those directives and legislations.

UK Authorized Representative:

Tailwind Solutions Limited
Unit 2a Castle Business Centre, Queensferry Road, Pitreavie Business Park
Dunfermline Fife, KY11 8NT
Scotland, United Kingdom

Warning: Operation of this equipment in a residential environment could cause radio interference.

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***.



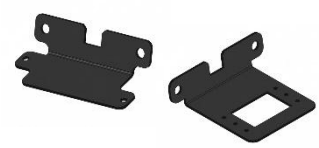
LPS-140-BW
120W Power Supply
External in-vehicle power supply and cable for Getac S510 Convertible Laptop.



LPS-211
Power Supply Mounting Bracket
Mount a power supply directly to your Docking Station with this versatile bracket.



DS-DA-418
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-501
Replacement Keys
Set of two (2) replacement keys for DS-GTC-1410 Series Docking Stations.