

# Owner's Manual Havis Docking Station For Panasonic FZ-A3 Fully Rugged Tablet

## DS-PAN-1400 Series

DS-PAN-1401

DS-PAN-1401-2

DS-PAN-1402

DS-PAN-1402-2

DS-PAN-1403

DS-PAN-1406



DS-PAN-1400-SERIES\_OMN\_10-21

[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-PAN-1400 Series Docking Station for the Panasonic TOUGHBOOK FZ-A3 Fully Rugged Tablet. For questions regarding the set-up of your DS-PAN-1400 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-PAN-1401   | DS-PAN-1402   | DS-PAN-1403 |
| DS-PAN-1401-2 | DS-PAN-1402-2 | DS-PAN-1406 |

## WARNING

- NEVER STOW OR MOUNT THE DOCKING STATION DIRECTLY IN A VEHICLE AIRBAG DEPLOYMENT ZONE.
- DO NOT USE COMPUTER WHILE DRIVING.
- NE JAMAIS RANGER OU INSTALLER LA STATION D'ACCUEIL DIRECTEMENT DANS LA ZONE DE DÉPLOIEMENT DES COUSSINS GONFLABLES D'UN VÉHICULE.
- NE PAS UTILISER L'ORDINATEUR EN CONDUISANT

## 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-PAN-1401, DS-PAN-1401-2, DS-PAN-1402, DS-PAN-1402-2, DS-PAN-1404, DS-PAN-1404-2, DS-PAN-1405, & DS-PAN-1405-2 DOCKING STATIONS: DO NOT CONNECT DIRECTLY TO VEHICLE VOLTAGE SOURCE: This product requires a certified, automotive grade, Panasonic approved 90W power source rated for a continuous, regulated 16 VDC output (*Havis Part Number LPS-102 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-PAN-1403 & DS-PAN-1406 DOCKING STATIONS: DO NOT CONNECT DIRECTLY TO VEHICLE VOLTAGE SOURCE: The Panasonic Toughbook 33 requires a certified, Panasonic approved power source rated for a continuous, regulated 16 VDC output. Failure to comply with this requirement will cause product damage that is NOT repairable and is NOT covered under warranty.
- LIRE ATTENTIVEMENT TOUTES LES INSTRUCTIONS AVANT DE COMMENCER L'INSTALLATION.
- NE PAS ENTREPOSER, INSTALLER OU UTILISER LA STATION D'ACCUEIL DANS UN ENDROIT OÙ DE L'EAU, DE L'HUMIDITÉ, DE LA VAPEUR, DE LA POUSSIÈRE, ETC. SONT PRÉSENTES
- NE CONNECTEZ OU DÉCONNECTEZ PAS VOTRE ORDINATEUR S'IL N'EST PAS ÉTEINT. LA MISE EN MARCHÉ OU L'ARRÊT DE VOTRE ORDINATEUR EN MODE MARCHÉ, VEILLE, HIBERNATION OU SOMMEIL PEUT CAUSER DES DOMMAGES PERMANENTS.
- POUR LES STATIONS D'ACCUEIL DS-PAN-1401, DS-PAN-1401-2, DS-PAN-1402, DS-PAN-1402-2 : NE PAS BRANCHER DIRECTEMENT À LA SOURCE DE TENSION DU VÉHICULE : Ce produit nécessite une source d'alimentation de 90 W certifiée de qualité automobile, approuvée par Panasonic et conçue pour une sortie continue et régulée de 16 VDC (numéro de pièce Havis LPS-102 ou équivalent). Le non-respect de cette exigence entraînera des dommages au produit qui ne sont PAS réparables et qui ne sont PAS couverts par la garantie.
- POUR LES STATIONS D'ACCUEIL DS-PAN-1403 et DS-PAN-1406 : NE PAS BRANCHER DIRECTEMENT À LA SOURCE DE TENSION DU VÉHICULE : La tablette entièrement robuste Panasonic FZ-A3 nécessite une source d'alimentation certifiée et approuvée par Panasonic pour une sortie continue et régulée de 16 VDC. Le non-respect de cette exigence entraînera des dommages au produit qui ne sont PAS réparables et qui ne sont PAS couverts par la garantie

## NOTICE

- WHEN TABLET IS DOCKED, THE BATTERY WILL ONLY CHARGE BETWEEN 10°C to 35°C (50°F to 95°F). PLEASE REFER TO PANASONIC TOUGHBOOK FZ-A3 OWNER'S MANUAL FOR MORE INFORMATION.

# Before Beginning

## Precautions/Précautions

- 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-102) 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) for a long period of time
- Ne placez pas d'objets métalliques ou de contenants avec des liquides sur la station d'accueil
- En cas de dysfonctionnement, débranchez immédiatement l'alimentation électrique et retirez l'ordinateur portable
- Utilisez uniquement l'alimentation électrique spécifiée (partie # LPS-102) avec cette station d'accueil
- Ne pas connecter les câbles dans des ports autres que ceux spécifiés
- Ne laissez pas la station d'accueil dans un environnement à température élevée (plus 71°C, 160°F) pendant une longue période.

## Specifications

|                                    |                                                               |
|------------------------------------|---------------------------------------------------------------|
| <b>Docking Station Power Input</b> | 16V DC-In*                                                    |
| <b>Dimensions</b>                  | 9.77" (24.82 cm) H x 11.45" (29.08 cm) W x 3.96" (10.06 cm) D |
| <b>Weight</b>                      | 3.00 lbs. (1.36 kg)                                           |
| <b>Operating Environment</b>       | -10° C to 50° C (14° F to 122° F)                             |
| <b>Storage Environment</b>         | -20° C to 60° C (-4° F to 140° F)                             |

\* A DC – DC power supply is required to convert from vehicle power to the 16V Input to Docking Station (refer to CAUTION section on page 2 for more information)

### 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 Panasonic RM191 Tablet Only

**Model:** DS-PAN-140X, 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

June 2, 2019

Bruce Jonik, Director of Engineering , Havis, Inc.

# Parts Included

## Docking Station



## Parts Included (continued)

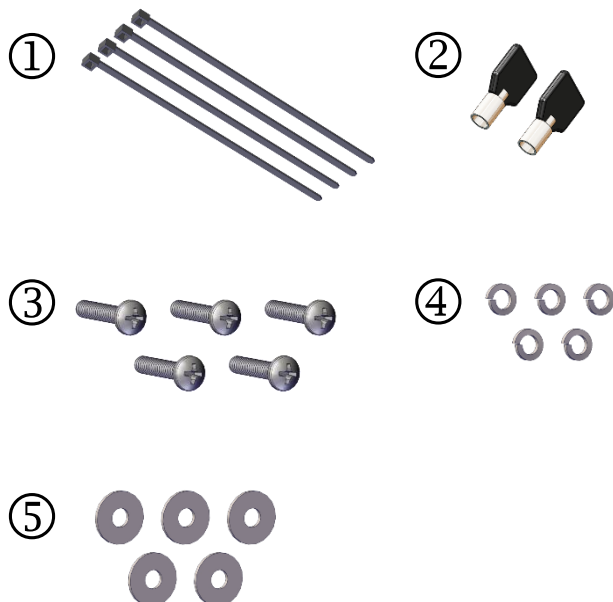
### Hardware Kit (HWK-0031)

This Hardware Kit includes:

1. Zip Ties (4)
2. Keys (2)
3. M4 x 0.7 x 20mm long Pan Head Screws (5)
4. Split Lock Washers (5)
5. Washers, M4 (5)

Tools required for installation:

- #2 Phillips (For M4 Pan Head Screws)



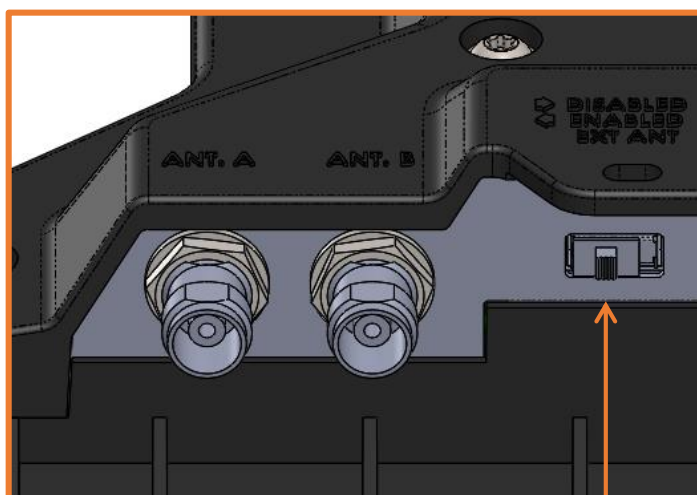
## Antenna Identification

DS-PAN-1401-2, DS-PAN-1402-2

**HAVIS ANTENNA A**

**HAVIS ANTENNA B**

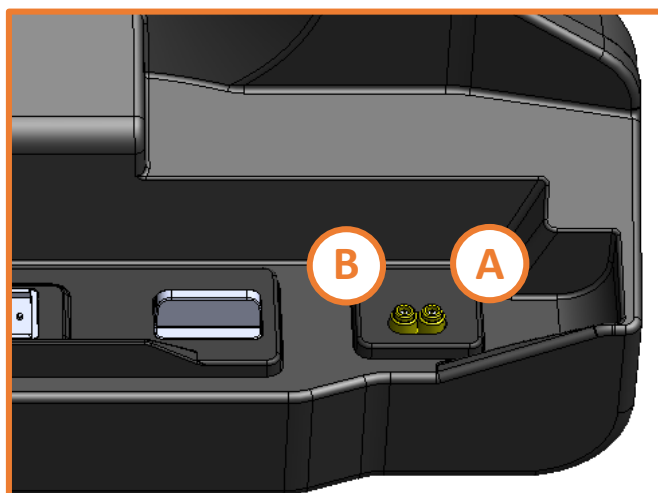
Antenna Connectors (TNC)



**EXT ANTENNA SWITCH**

➡ **DISABLE**  
⬅ **ENABLE**

Tablet Interface



# Port Replication Capability

## Downward Facing Ports

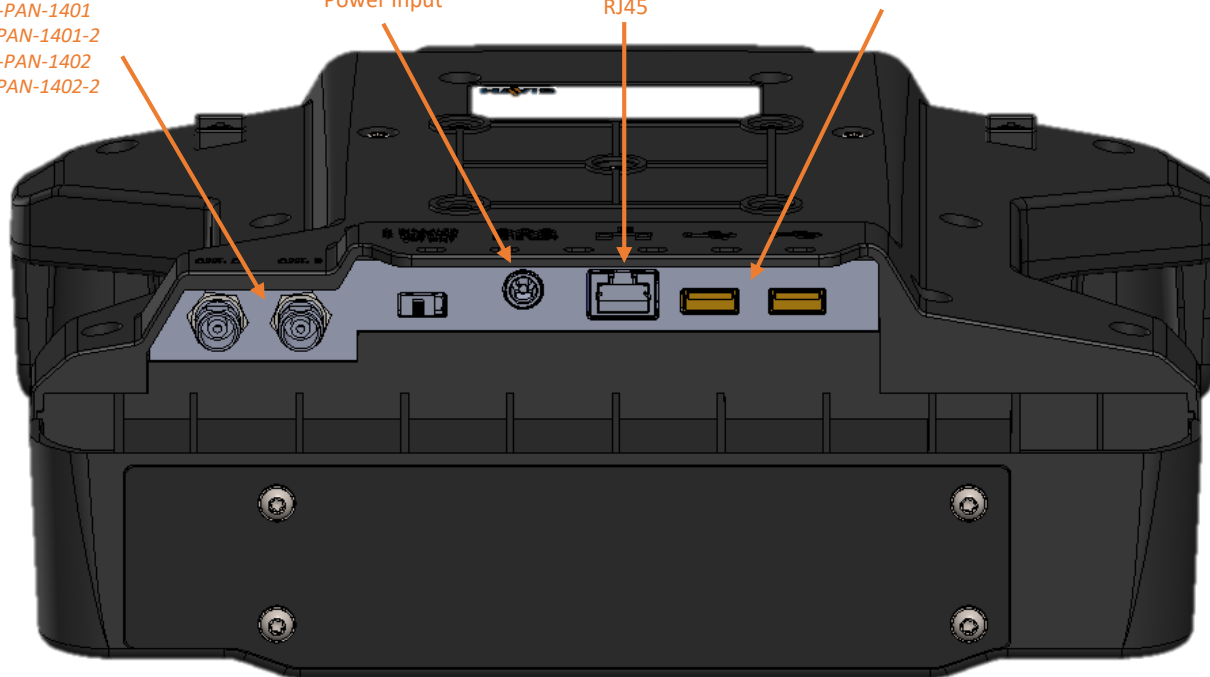
*DS-PAN-1401, DS-PAN-1401-2, DS-PAN-1402, DS-PAN-1402-2*

Antenna (TNC)  
Optional: Part IDs  
*DS-PAN-1401*  
*DS-PAN-1401-2*  
*DS-PAN-1402*  
*DS-PAN-1402-2*

DC IN 16 V  
Power Input

Ethernet  
RJ45

USB 2.0 (x2)



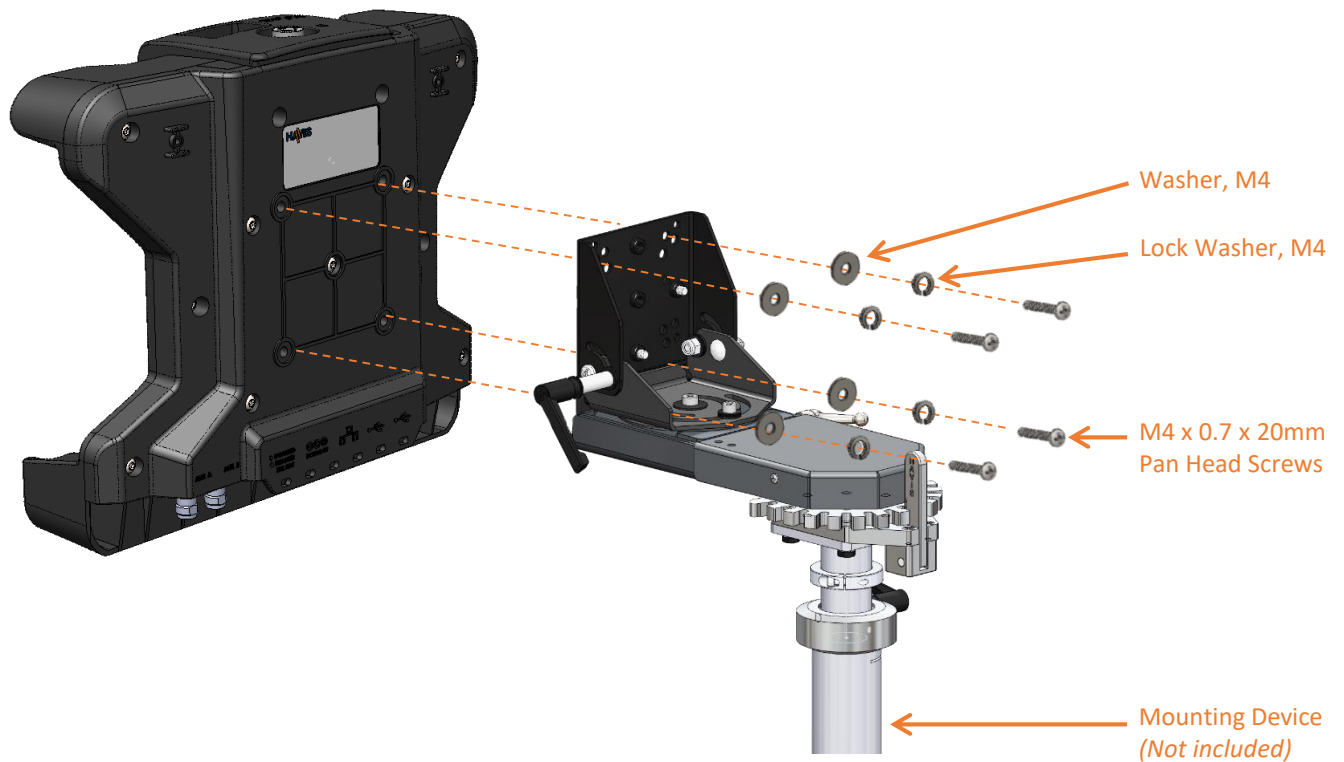
# Installation

- 1) Align Docking Station mounting holes with the hole pattern on mounting device. Using the four (4) M4 0.7 x 20mm Pan Head Screws (Hardware Kit Item 3), four (4) Washers, M4 (Hardware Kit Item 4), and four (4) Lock Washers, M4 (Hardware Kit Item 5), secure the Docking Station to device. Torque screws to 20 in-lbs (2.3Nm)  $\pm$  10%

## A) Havis Desktop Stand installation (sold separately, Part # DS-DA-218).

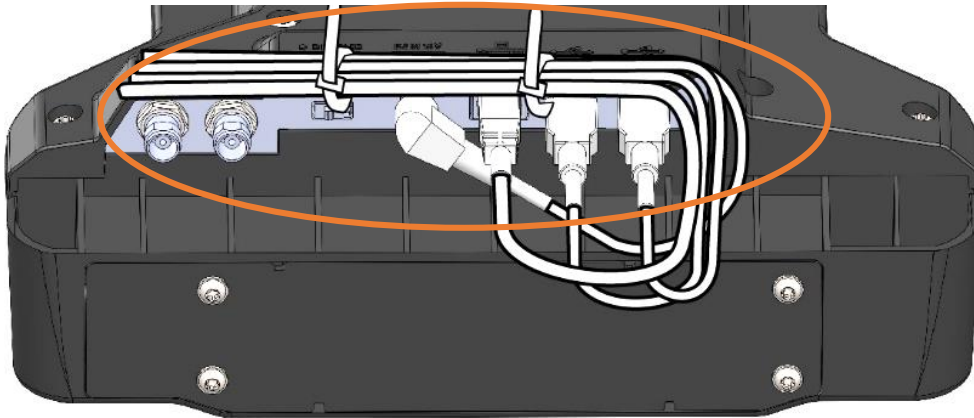


## B) In-Vehicle mounting system installation (not included).



# Cable Management

- 1) Tip the Docking Station to a position that is comfortable to work with.
- 2) Install all cables that are necessary for computing needs.
- 3) Use Zip Ties (Hardware Kit Item 1) and the Strain Relief Points to secure cables and reduce risk of accidental disconnects.



- 4) Create a service loop with cables to ensure that no tension is on the connectors and to enable intended motion.
- 5) Tie off cables onto a stationary part of the mounting system.

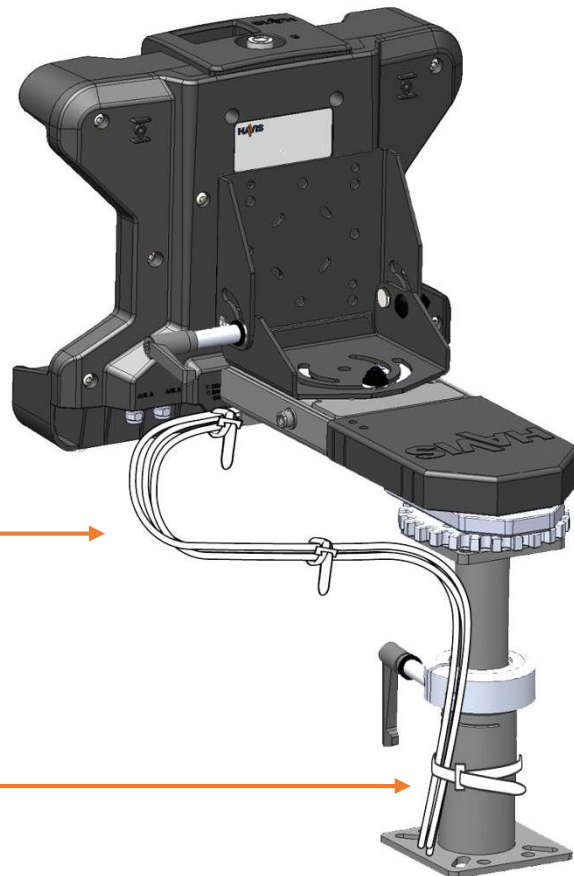
4

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

5

Collect cables to secure to the mounting system.

(Note: mounting system not included)



# Operation - Docking

## CAUTION

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

NE PAS FORCER POUR PLACER LA TABLETTE SUR LA STATION D'ACCUEIL. S'IL Y A DE LA RÉSISTANCE, VÉRIFIER L'ALIGNEMENT DE LA TABLETTE SUR LA STATION D'ACCUEIL.

**NOTE:** Ensure a proper connection by aligning the tablet's Alignment Sockets with the Docking Station's Alignment Posts

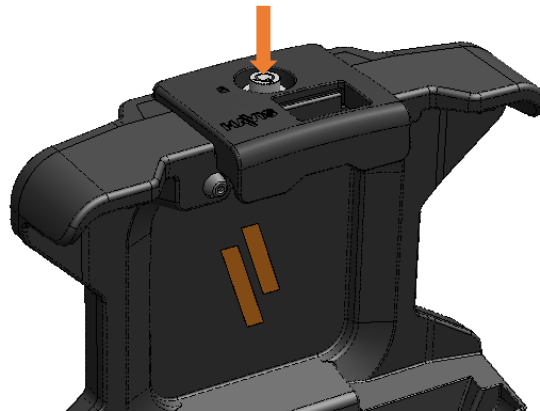


Alignment Posts on the DS-PAN-1400 Series Docking Station



Alignment Sockets on the bottom of Panasonic RM191 Tablet

- 1) Docking Station must be unlatched before docking your tablet. Push down on the Barrel Lock button and release slowly.

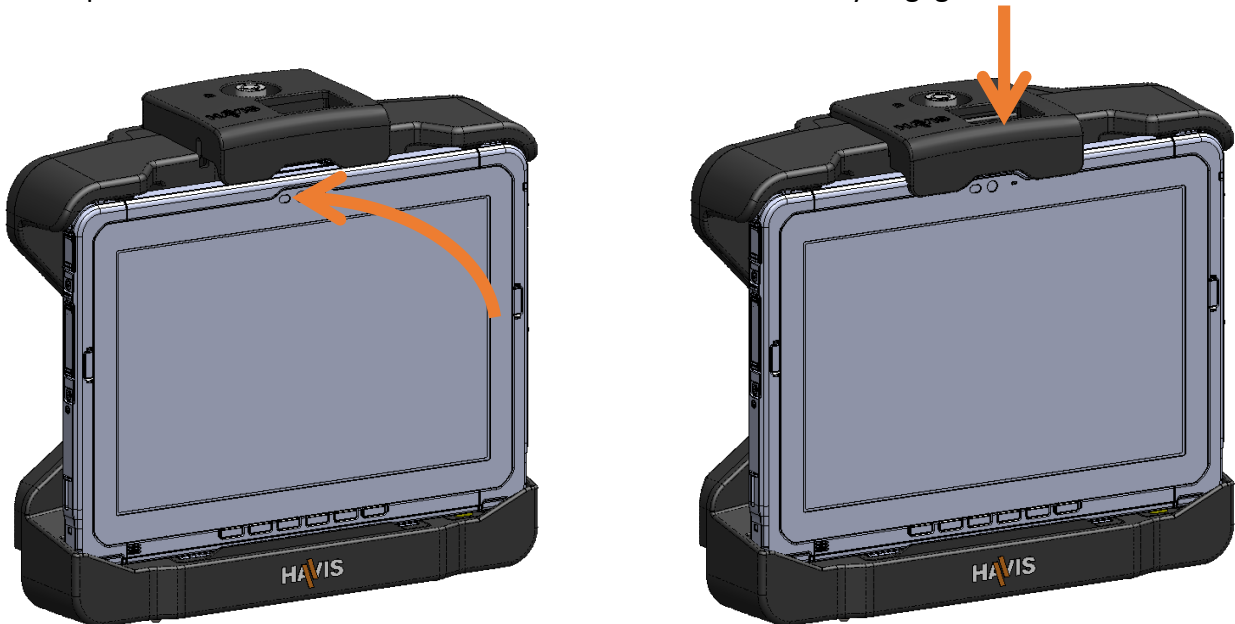


## Operation - Docking (continued)

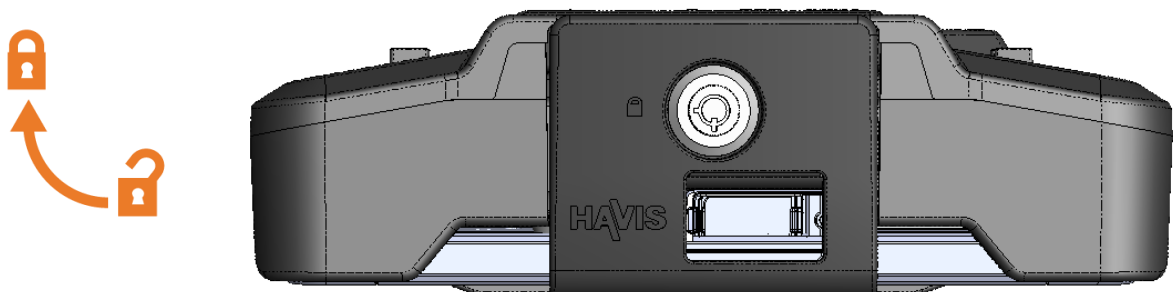
- 2) Hold tablet in landscape orientation, with bottom mounted docking connector angled toward Docking Station. Lower tablet into the bottom of the Docking Station.



- 3) Pivot tablet so it sits flush in the Docking Station and hold while depressing the Latch Handle to secure tablet in place. You will hear an audible click when Latch Hook is fully engaged.

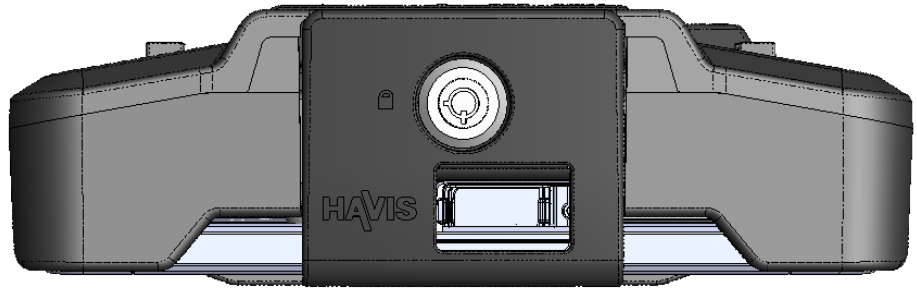


- 4) For theft deterrence, secure tablet by locking Docking Station with supplied key (Hardware Kit Item 2).

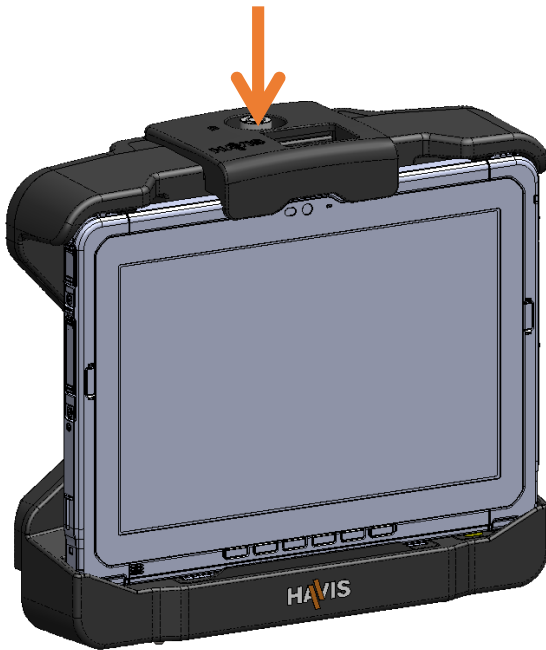


## Operation - Undocking

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



- 2) Secure tablet to avoid inadvertent ejection from Docking Station. Push down on the Barrel Lock button and release quickly taking care not to obstruct the travel of the Latch Hook. If the Latch Hook does not extend fully to its unlatched position, lift up lightly on the front of the Latch Hook to fully release.



- 3) Once unlatched grab both sides of tablet, rock the top forward and carefully lift out of Docking Station, top end 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-102 90W Power Supply**

External in-vehicle power supply and cable for Panasonic FZ-A3 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-218**

#### ***Desktop Stand for Tablet Docking Stations***

Durable stand for mounting tablet Docking Stations for use in the home or office.



### **DS-DA-102**

#### ***USB Powered Keyboard Light***

Soft red LED light illuminates the laptop keyboard for night viewing.



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

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

Set of two (2) replacement keys for DS-PAN-1400 Series Docking Stations.

