DOCKING STATION GEN 2 FOR DELL RUGGED PRO LAPTOP

USER GUIDE

Description	Part Number
DOCKING STATION GEN 2 FOR DELL RUGGED LAPTOP REARWARD PORT LITE NPT	AS7.D905.100
DOCKING STATION GEN 2 FOR DELL RUGGED LAPTOP REARWARD PORT LITE QPT	AS7.D905.102
DOCKING STATION GEN 2 FOR DELL RUGGED LAPTOP REARWARD PORT FULL NPT	AS7.D905.110
DOCKING STATION GEN 2 FOR DELL RUGGED LAPTOP REARWARD PORT FULL QPT	AS7.D905.112
CRADLE GEN 2 FOR DELL RUGGED LAPTOP NPT	AS7.D904.104

515 58th Ave SE, Calgary, Alberta, T2H 0P7
1-888-869-7652 | info@precisionmounts.com

GENERAL INSTRUCTIONS

Safety:

- Safety is dependent on the proper installation and servicing of this product. It is important to read and follow all instructions before installing this product.
- Proper installation requires a good understanding of automotive electrical systems and is recommended to be performed by qualified technicians only.
- There are no adjustments or user serviceable parts within this product. Opening the case will void the product warranty
- Do not install equipment or route wires in the deployment path of any air bag, or where it may interfere with critical safety or operating controls of any vehicle.

Wiring:

- PMT does not recommend relying on a cigarette socket adaptor for powering vehicle docks. We recommend hard wiring the power adapter using a good clean ground direct from the vehicle battery neg(-) post, and pos(+) supply from a fused 12Vdc location also directly from the vehicle battery. All peripherals connecting to the docking station requiring external power should get power and ground from the same location as the dock.
- Visit www.precisionmounts.com/support/installation-user-guides.html for a copy of our general wiring and troubleshooting guide.

Proper Use and Care:

- Proper care and use of this product is critical to maximize safety and to prevent damage to the docking station and laptop.
- Do not store, place, or drag any object on top of the docking station.
- Visually inspect the docking station and laptop for any defect before using the dock or docking the laptop. Do not use if damaged.
- Any modifications made to the docking station could result in adverse performance and damage to the laptop and/or docking station and will void the warranty.
- Do not attempt to dock a computer or dock with wet contacts

SERVICING *[ENTRETIEN]:*

- If this product does not work as intended, please contact PMT for troubleshooting or to schedule a service. *[Si le dock ne fonctionne pas comme prévu, contactez PMT pour le dépannage ou pour planifier un service.]*
- Service should be only done by authorized service center personnel. Unauthorized servicing of the unit will void its warranty. *[L'entretien du dock ne doit être effectué que par le personnel du centre de service autorisé. Un entretien non autorisé du dock annulera sa garantie.]*

Product Mounting Disclaimer
Precision Mounting Technologies Ltd (PMT) are not liable under any theory of contract or tort law for any loss, damage, personal injury, special, incidental or consequential damages for personal injury or other damage of any nature arising directly or indirectly as a result of the improper installation or use of its products in vehicle or any other application. In order to safely install and use PMT products full consideration of vehicle occupants, vehicle systems (i.e., the location of fuel lines, brake lines, electrical, drive train or other systems), air-bags and other safety equipment is required. PMT specifically disclaims any responsibility for the improper use or installation of its products not consistent with original vehicle manufactures' specifications and recommendations, PMT product instruction sheets, or workmanship standards as endorsed through PMT policies and EULA.

515 58th Ave SE, Calgary, Alberta, T2H 0P7
1-888-869-7652 | info@precisionmounts.com

GENERAL INSTRUCTIONS

Power:

- The power input should be *20 Vdc / 6 A (120W).* PMT recommends using a 120W Lind Auto Adapter (PMT part#: PS046) for this dock.
- PMT recommends using a 100W Lind Auto Adapter(PMT part#: PS040) for the cradle version
- Power must only be supplied to either the docking station, or directly to the laptop (cradles only), never both.
- Power supply must comply with local jurisdictions.

Environmental:

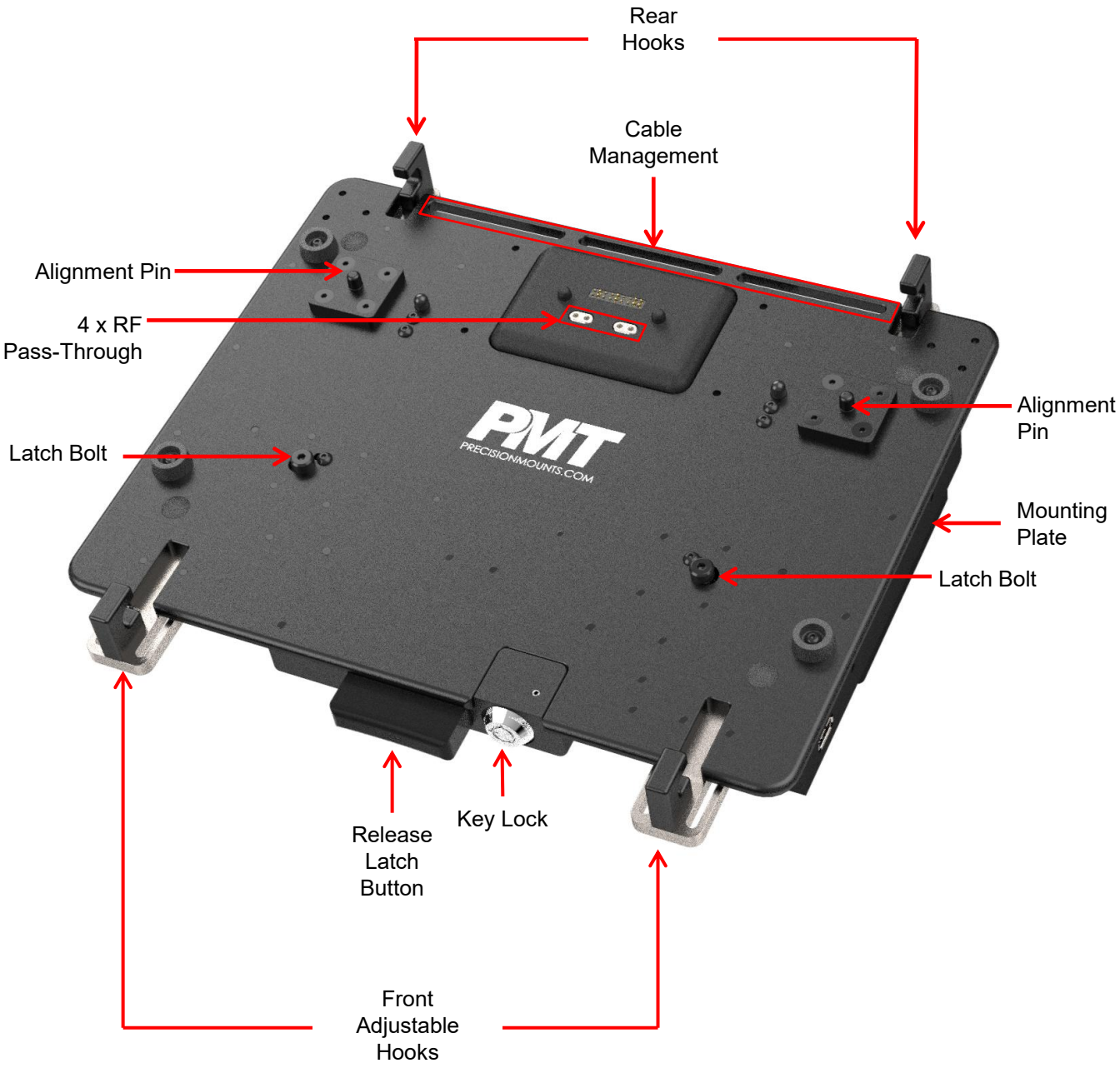
- Storage: -40°C to 85°C (-50.8°F to 185°F)
- Operating: -30°C to 63°C (-22°F to 145.4°F)

Driver:

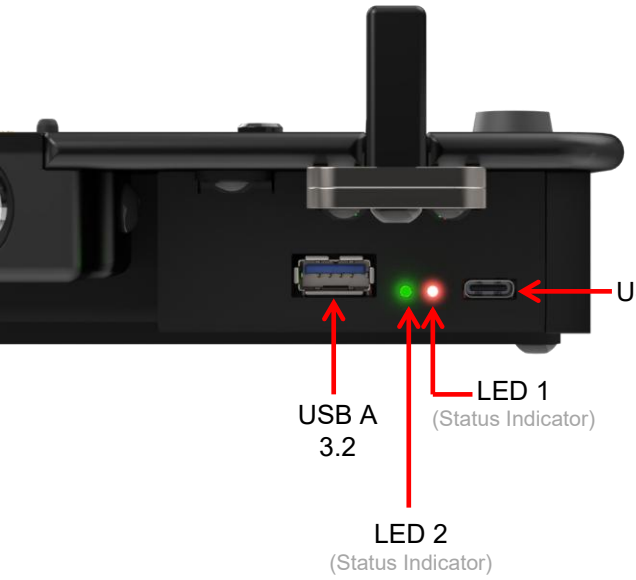
- Visit **WWW.PRECISIONMOUNTS.COM** to download the required docking station drivers for your device.
  WWW.PRECISIONMOUNTS.COM > SUPPORT > DOCKING DRIVERS
  https://www.precisionmounts.com/docking-drivers

515 58th Ave SE, Calgary, Alberta, T2H 0P7
1-888-869-7652 | info@precisionmounts.com

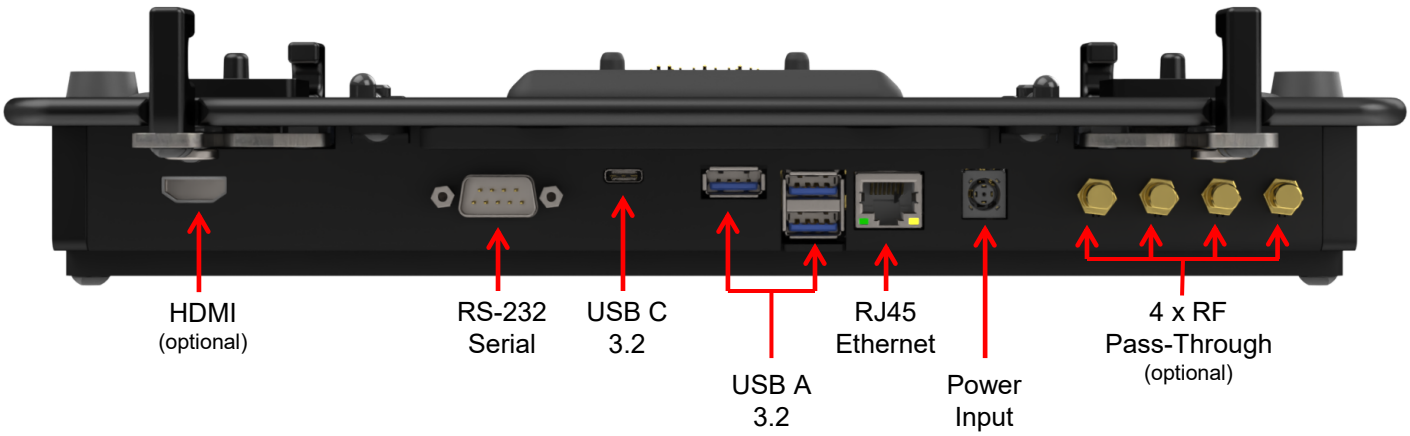
DESCRIPTION OF PARTS

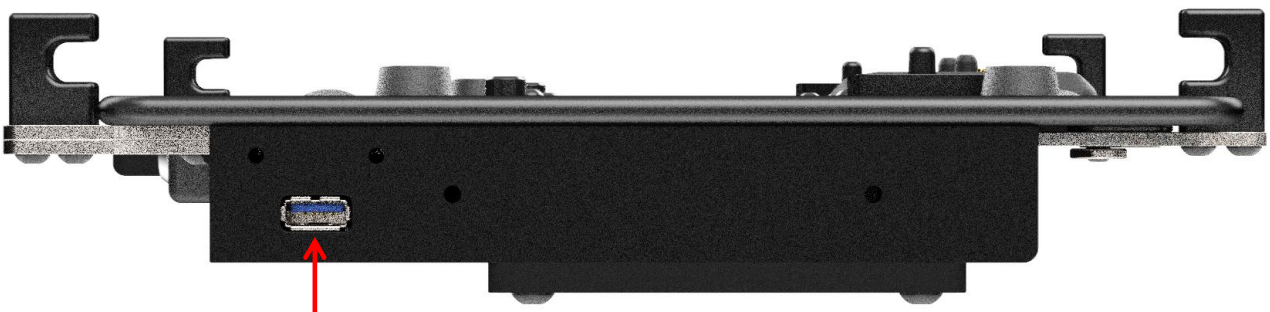


DESCRIPTION OF PARTS



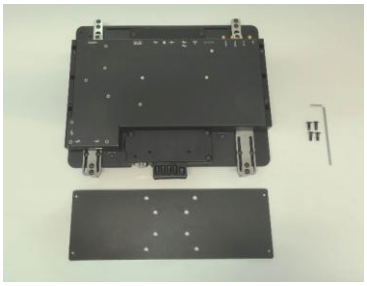
LED STATUS INDICATOR LEGEND
LED 1 - **RED** - Dock is powered
LED 2 - **GREEN** - Laptop is docked



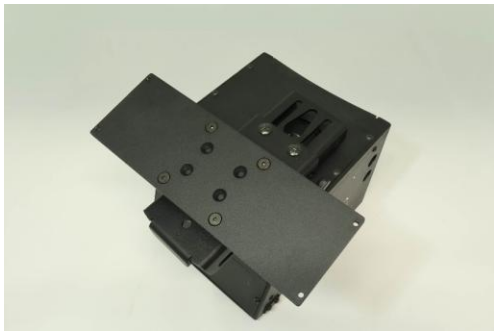


INSTALLATION INSTRUCTIONS

Step 1
Using a 1/8” Allen/Hex key (wrench), remove the four #10-24 screws attaching the mounting plate to the dock and remove the plate.



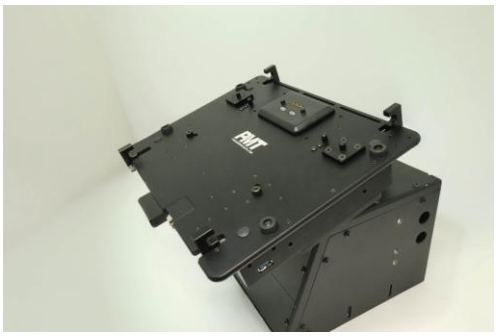
Step 2
Install mounting plate onto mounting infrastructure using the four provided screws and hardware that best suit the installation. Be sure to orientate the plate in the correct position (holes toward user, and counter sunk holes up).



Step 3
Connect all required wiring to the dock while utilizing plastic tie straps and the cable tie rail to secure cables/connections. Each cable connecting to the docking station should be secured via a tie strap before exiting the docking station. Ensure to provide a sufficient “service loop” of cabling to allow for adjustment and positioning of the docking station.



Step 4
Attach dock to mounting plate using the four #10-24 screws removed in step 1.



515 58th Ave SE, Calgary, Alberta, T2H 0P7
1-888-869-7652 | info@precisionmounts.com

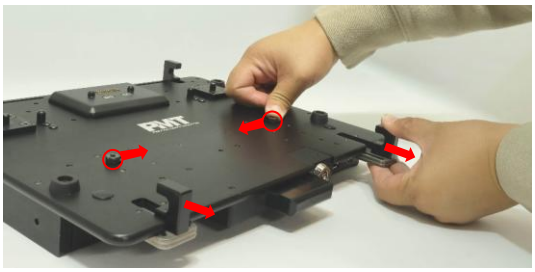
INSTALLATION INSTRUCTIONS

Docking the Laptop

Step 1
Ensure that the dock is unlocked and unlatched. If locked, insert key and rotate lock 90 degrees counter-clockwise. If latched, push the latch inside such that the rear hooks move all the way out.



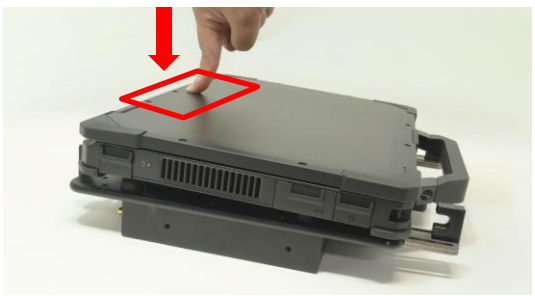
Step 2
Pull latch bolts inward to release front adjustable hooks, then extend hooks fully.



Step 3
Position the laptop onto the dock, aligning with alignment pins and rear hooks. Ensure any loose cables or tethers do not come in between laptop and dock.



Step 4
Push gently in the back center of the laptop so that rear hook latches. If any resistance is felt, remove the laptop and re-align. A click sound should be heard when the rear hook latches. Verify the laptop is fully docked by lifting the laptop lightly. If properly docked the laptop will remain in place.



Step 5
Push the adjustable front hooks until they fit securely into the laptop's front pockets.



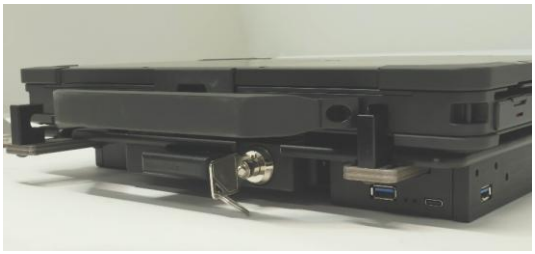
515 58th Ave SE, Calgary, Alberta, T2H 0P7
1-888-869-7652 | info@precisionmounts.com

INSTALLATION INSTRUCTIONS

Note:
Optional locking screw secures the adjustable front hooks in place to maintain proper laptop fitment.



Step 6
For additional security and theft deterrence, insert key and rotate lock to the locked position as shown.



Undocking the Laptop

Step 1
If previously locked, insert key and rotate to the unlocked position.

Step 2
Use your thumb to push in the release latch button on the front of the dock. This will push the rear clamps out and the laptop will eject with a small click sound.



Step 3
Once the laptop ejects, gently lift the laptop out of the dock. Do not drag the laptop or other devices across the top surface of the dock to prevent damaging the pins.



515 58th Ave SE, Calgary, Alberta, T2H 0P7
1-888-869-7652 | info@precisionmounts.com

Regulatory model: AS7.D905.112

Certifications and test standards:

MIL-STD-810-H
75G Shock
Vibration & Shock per MIL-STD-810-H
Cycle – Latch/Unlatch 30,000 cycles
Shock-crash Test - Simulates 30mph Crash Test
Environmental - Humidity / Thermal Shock / Low Temp Storage and Operational / High Temp Storage and Operational
FCC, CE, UKCA, RoHS

Made in Canada

