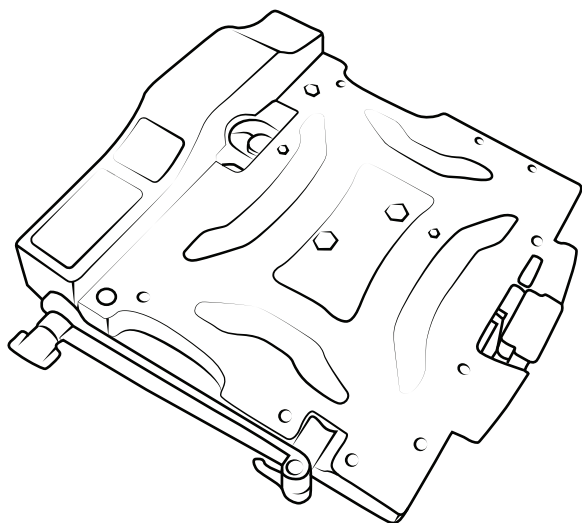
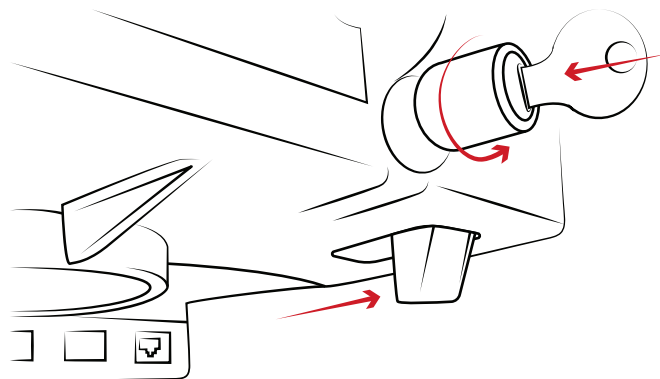


## Operation

- 1 Place laptop on RAM® Tough-Dock™ front edge first. Then use brass locating pins to align back edge.



- 2 Pull latch forward until lock engages. Turn lock clockwise to lock and counter-clockwise to release.



## LEDs & Power Switch

### Power IN:

Indicates 12-28vdc is supplied to RAM® Tough-Dock™. (RAM® Tough-Dock™ draws 3 amps from a 13.8V source to power RAM® Tough-Dock™ and laptop)

### Power OUT:

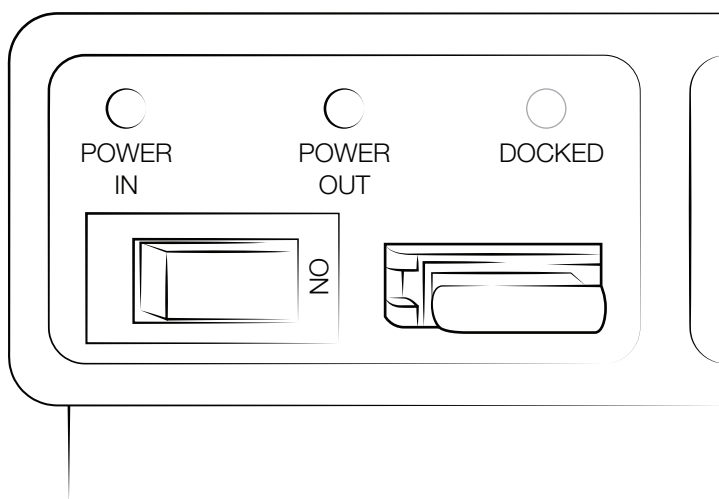
Indicates 19vdc is available for laptop.

### Switched ON:

Power is supplied to laptop and Port Replicator from external source.

### Switched OFF:

If laptop is ON and docked, laptop will supply power to Port Replicator.



RMR-INS-234-GET2



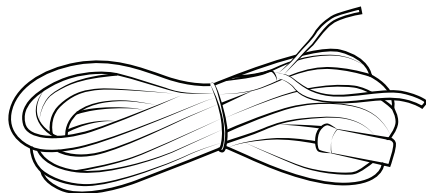
### Safety Precaution

Do not install this product near or over an airbag deployment area or in a location that obstructs the driver's vision or interferes with vehicle operation. National Products, Inc does not assume responsibility or liability for any such personal injury, death or property damage.

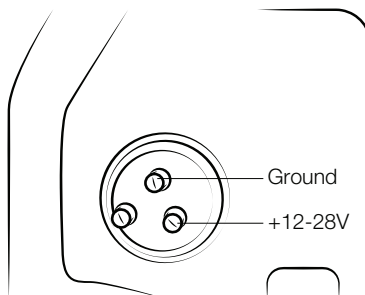
## Specifications

### Power Cable

Black wire: Ground  
White wire: 12-28vdc

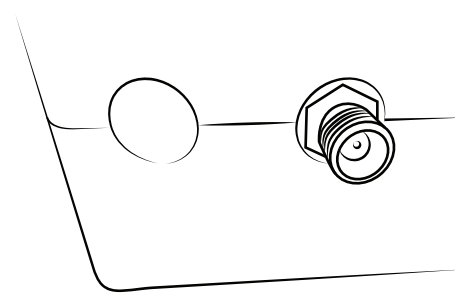


### Power Jack



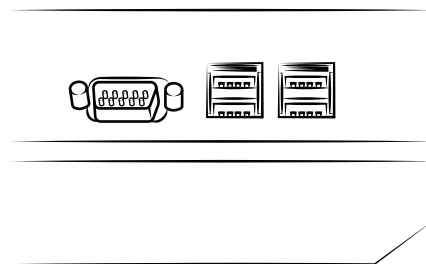
### RF Jack

Co-axial



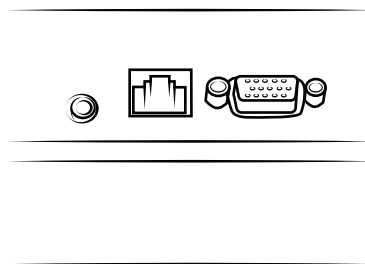
### Port Replicator Left

Serial: Serial port D-sub 9 pin  
USB: qty. 4 External USB 2.0



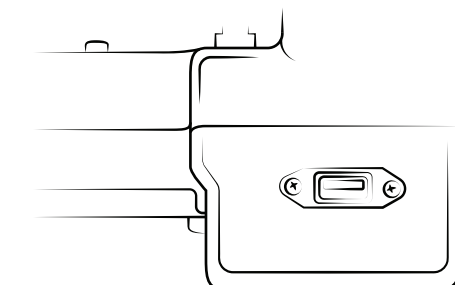
### Port Replicator Front

Speaker: Speaker/Headphone Stereo phono jack  
Network: RJ45 connection  
Video: VGA out D-sub 15 pin



### Port Replicator Right

USB: qty. 1 External USB 2.0



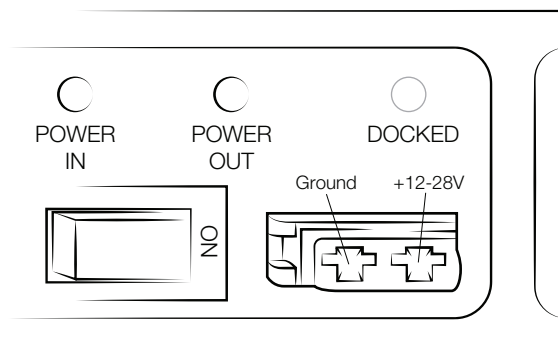
## Troubleshooting

### Problem

Power In/Out LED's will not light and/or laptop will not charge.

### Solution

- 1 Switch power switch to ON position.
- 2 Make sure fuse is intact and properly seated.
- 3 Make sure power cable is firmly attached to power jack and external 12-28vdc.
- 4 Remove fuse, and with voltmeter check voltage across fuse terminals. If polarity is reversed check all connections; reverse power cable if necessary.



RMR-INS-234-GET2



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