

LEDs & Power Switch

Power IN:

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

Power OUT:

Indicates 15.6vdc is available for Toughbook.

Docked:

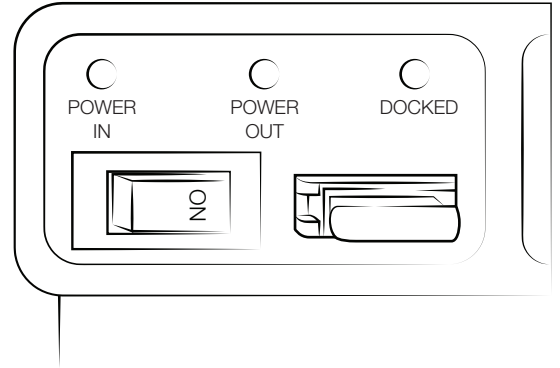
Indicates Toughbook is docked with RAM® Tough-Dock™ when Toughbook is powered on.

Switched ON:

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

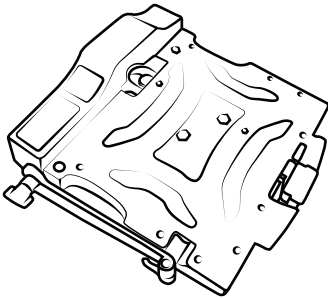
Switched OFF:

If Toughbook is ON and docked, RAM® Tough-Book™ will supply power to Port Replicator.

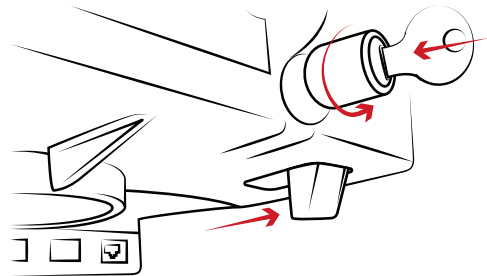


Operation

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



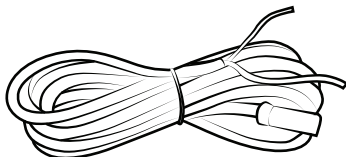
- 2 Pull latch forward until lock engages. Turn lock clockwise to lock; counter-clockwise to release.



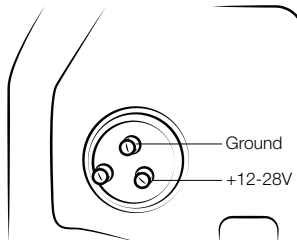
Specifications

Power Cable

Black wire: Ground
White wire: 12-28vdc

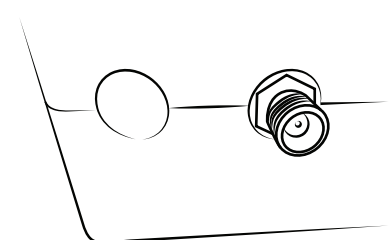


Power Jack



RF Jack

Co-axial



RMR-INS-234-PAN1

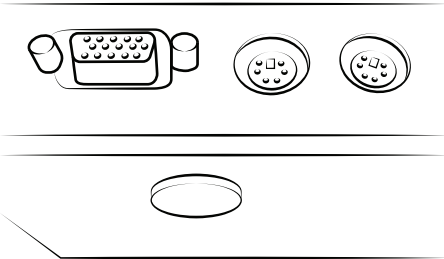


Safety Precaution

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.

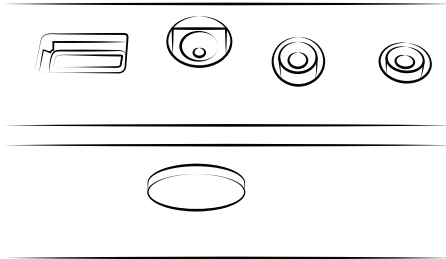
Port Replicator Left

Video: VGA out D-sub 15 pin
Mouse: Mini-DIN 6 pin
Keyboard: Mini-DIN 6 pin



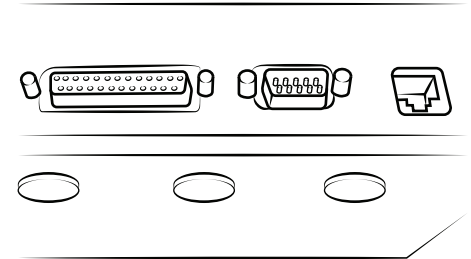
Port Replicator Front

USB: External USB 2.0
DC Jack: Non functional
Mic: Mono phone jack
Speaker: Speaker/Headphone Stereo phono jack



Port Replicator Right

Printer: Parallel port D-Sub 25pin
Serial: Serial port D-sub 9pin
Network: RJ45 connection



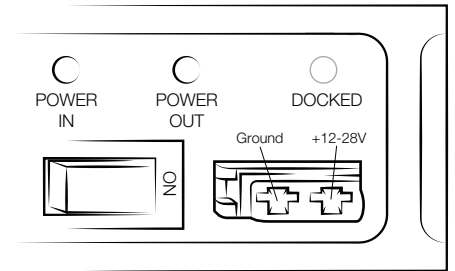
Troubleshooting

Problem

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

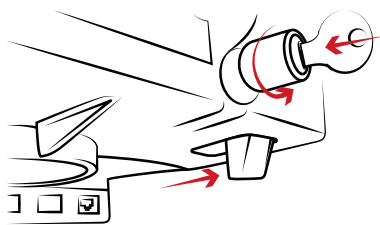


Problem

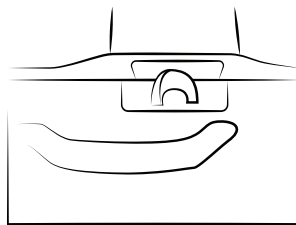
Toughbook will not dock with RAM® Tough-Dock™.

Solution

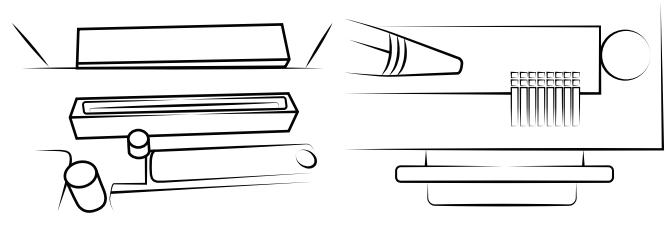
- 1 Make sure latch is fully engaged.
- 2 Remove Toughbook from RAM® Tough-Dock™ and make sure ribbon cable is fully seated; if loose align ribbon cable and press firmly (see A). Use a blunt object to avoid damaging the ribbon cable.



Latch



Docking Area



Internal view of ribbon connector and Port Replicator 1

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