

Honeywell

RT10 Series Accessories

User Guide

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Patents

For patent information, see www.hsmpats.com.

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Customer Support

Technical Assistance

Go to honeywell.com/PSStechnicalsupport to search our knowledge base for a solution or to log into the Technical Support portal.

For our latest contact information, see honeywell.com/PSSlocations.

Product Service and Repair

Honeywell International Inc. provides service for all of its products through service centers throughout the world. Go to automation.honeywell.com and select **Support > Productivity** to find a service center near you or to get a Return Material Authorization number (RMA #) before returning a product.

Limited Warranty

For warranty information, go to automation.honeywell.com and click **Support > Productivity > Warranties**.

INTRODUCTION

Honeywell offers a full range of accessories for the RT10 Rugged Tablet, including a multi-bay charger, desk docks for office use, vehicles docks, and mounting kits for a variety of workflows.

The accessories included in this guide are compatible with both RT10A and RT10W rugged tablets.

- 2-bay battery charger
- Desk docks
- Vehicle docks
- Mounting solutions

For more information about available accessories, see the RT10 product page at automation.honeywell.com. Contact your local sales representative for ordering information.

RT10 2-BAY BATTERY CHARGER

The RT10 2-Bay Battery Charger (RT10-BC-2) simultaneously charges two rechargeable Li-Polymer battery packs used in RT10 rugged tablets.

The RT10-BC-2 charger is designed for use with both standard and extended RT10 battery packs manufactured for Honeywell.

Battery Model	Battery Type	RT10-BC-2 Charge Time
RT10-BAT-STD1	Standard	up to 3 hours
RT10-BAT-EXT1	Extended	up to 6 hours

Out of the Box

Make sure that your shipping box contains these items:

- RT10-BC-2 battery charger
- Power supply (power cord sold separately)
- Product documentation

Be sure to keep the original packaging in case you need to return the battery charger for service.



Caution: We recommend the use of Honeywell accessories and power adapters. Use of any non-Honeywell accessories or power adapters may cause damage not covered by the warranty.

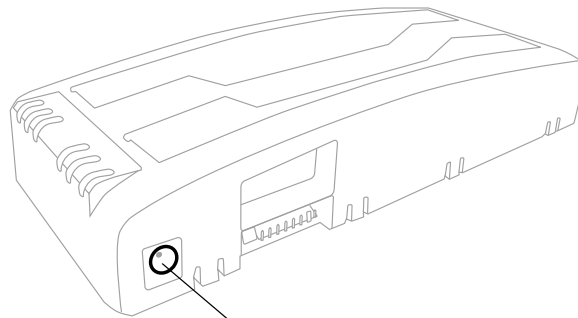


Mise en garde: Il est recommandé d'utiliser les périphériques, les cordons d'alimentation et les adaptateurs secteur conçus par Honeywell. L'utilisation de tout périphérique, cordon d'alimentation ou adaptateur secteur d'une autre marque est susceptible de provoquer des dommages non couverts par la garantie.

Connect Power

Use only a UL Listed power supply which has been qualified by Honeywell with an output rated at 19 VDC and 3.42 A. The power supply input rating is 100~240 VAC, 50/60Hz. The operating temperature is -20°C to 60° C (-4°F to 140°F).

1. Plug a power cord into the power supply.
2. Plug the power supply cable into the power connector on the side of the charger.



Power Connector

3. Plug the power cord into a standard wall outlet.

Charge the Battery Pack

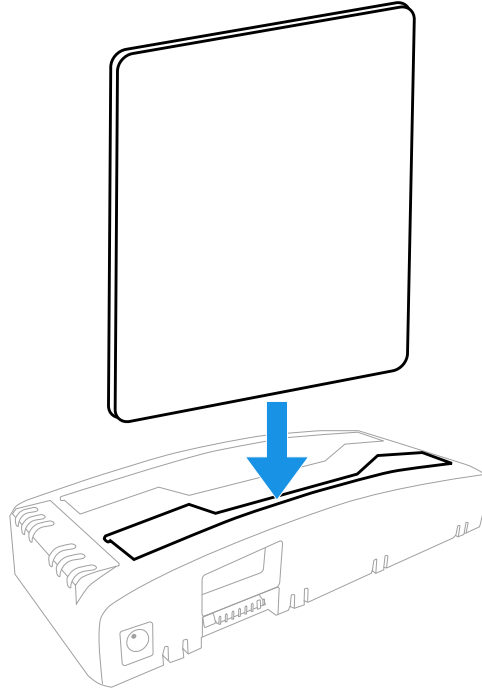


Caution: Make sure that all components are dry prior to using the computers and batteries with accessories. Using wet components may cause damage not covered by the warranty.



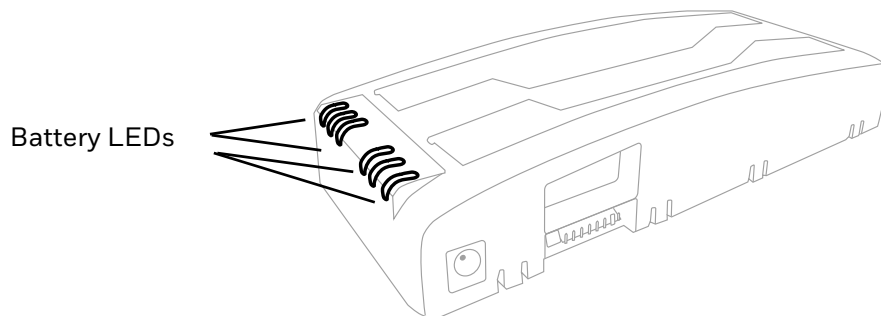
Mise en garde: Assurez-vous que tous les composants sont secs avant de connecter les terminaux/batteries à des périphériques. L'insertion de composants humides risque de provoquer des dommages non couverts par la garantie.

- Insert one to two battery packs into the charger.



About the Status LEDs

Each charging bay has dedicated Battery LEDs located at the front of the bay that indicate charging progress. When all three LEDs for a bay are lit, the battery is fully charged.



RT10 DESKTOP DOCKS

Honeywell offers two docks that allow you to use your RT10 tablet like a desktop computer by connecting it to an external monitor and keyboard (sold separately):

- RT10-CD Communications Dock
- RT10-DD Desk Dock

Feature	RT10-CD	RT10-DD
Charging for either standard battery model RT10-BAT-STD1 or extended battery model RT10-BAT-EXT1	X	X
User-friendly viewing angle	X	X
Multiple I/O Ports	X	X
RJ45 Ethernet (10/100)	X	X
USB 2.0 Type A	X	X
VGA	X	
HDMI		X

Out of the Box

Make sure that your shipping box contains the following item:

- RT10-CD Communications Dock or RT10-DD Desk Dock
- Product documentation

Be sure to keep the original packaging in case you need to return the dock for service.



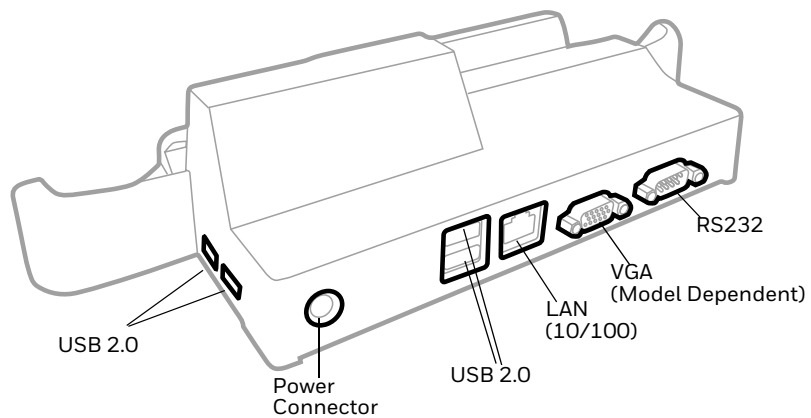
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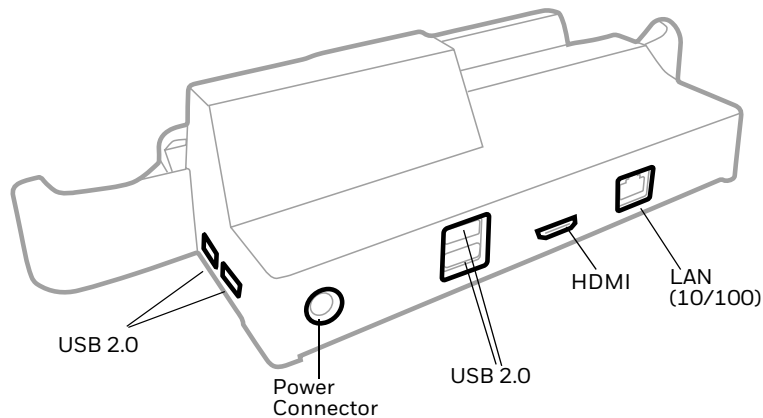
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Features

RT10-CD



RT10-DD



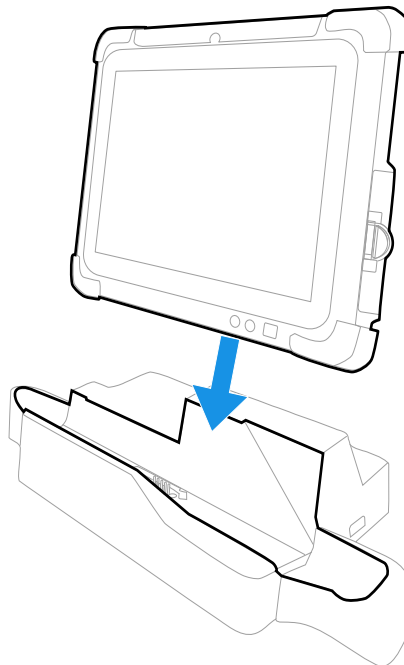
Connect Power

Use only a UL Listed power supply which has been qualified by Honeywell with an output rated at 19 VDC and 3.42A. The operating temperature is -20°C to 60°C (-4°F to 140°F).

1. Plug a power cord into the power supply.
2. Plug the power supply cable into the power connector on the back of the dock.
3. Plug the power cord into a standard wall outlet.

Insert Tablet into the Dock

Ensure the tablet is fully seated in the dock.



RT10 VEHICLE DOCKS

Honeywell offers several vehicle docks to securely fasten RT10 Rugged Tablets in moving vehicles:

- Power-only RT10-VC Vehicle Cradle
- RT10-VD Vehicle Dock with multiple I/O ports
- RT10-EVC Enhanced Vehicle Cradle with USB
- RT10-EVD Enhanced Vehicle Dock with multiple I/O ports
- RT10-AVC Advanced Vehicle Cradle with USB
- RT10-AVD Advanced Vehicle Dock with multiple I/O ports

Feature	RT10-VC	RT10-VD	RT10-EVC RT10-AVC	RT10-EVD RT10-AVD
Anti-theft design with lockable cradle	X	X	X	X
Power voltage input:				
9~36V DC-in	X	X		
10~60V DC-in			X	X
Charges tablets with either standard (RT10-BAT-STD1) or extended (RT10-BAT-EXT1) batteries	X	X	X	X
VESA standard mounting	X	X	X	X
I/O Ports:				
USB 2.0		X	X	X
D9 USB 2.0				X
LAN		X		X
RS232		X		X
SMA connector for external GPS antenna		X		

Note: *RT10 Rugged Tablets mounted on forklifts with hard wheels or in environments with uneven, cracked, or other ground/flooring conditions may experience extreme vibration and shock that can lead to device or dock failure. RT10 tablets and vehicle docks have been tested using the MIL-STD-810G Specification, Method 514.6, Procedure 1; however, there are certain forklift wheel types and floor or ground surface conditions where additional mounting hardware should be installed either in addition to or in place of the standard vehicle dock mounting hardware. Failure to properly mount the RT10 docks where flooring and/or wheel conditions lead to extreme vibration could expose the RT10 device and dock to experience shock and vibration that exceeds the MIL-STD specification, which could lead to RT10 damage, vehicle dock housing damage, interruption of electrical connections between the dock and tablet, and USB or serial port failures.*

If you will be using the RT10 mounted on a vehicle under these circumstances, contact your Honeywell Sales Representative for suggestions on possible mounting solutions.

Out of the Box

Make sure that your shipping box contains these items:

- RT10-VC/RT10-EVC/RT10-AVC Vehicle Cradle or RT10-VD/RT10-EVD/RT10-AVD Vehicle Dock
- Terminal block plug (RT10-VC or RT10-VD)
- Power cable (power adapter sold separately)
- Keys
- RT10-DOCK-PIN metal inserts (model dependent)
- Product documentation

Be sure to keep the original packaging in case you need to return the dock for service.



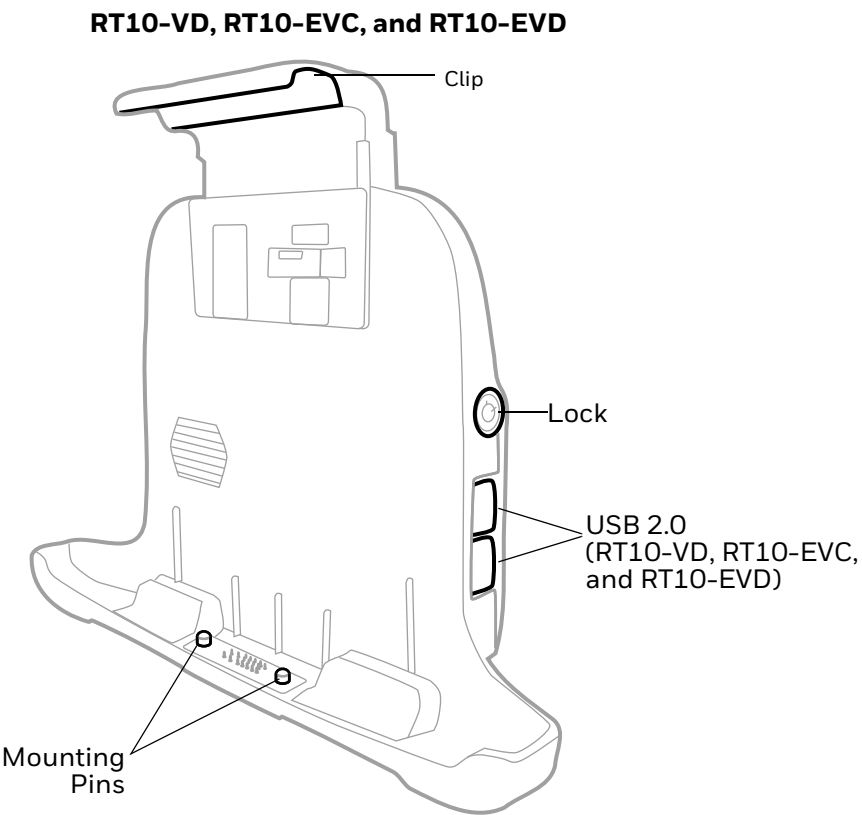
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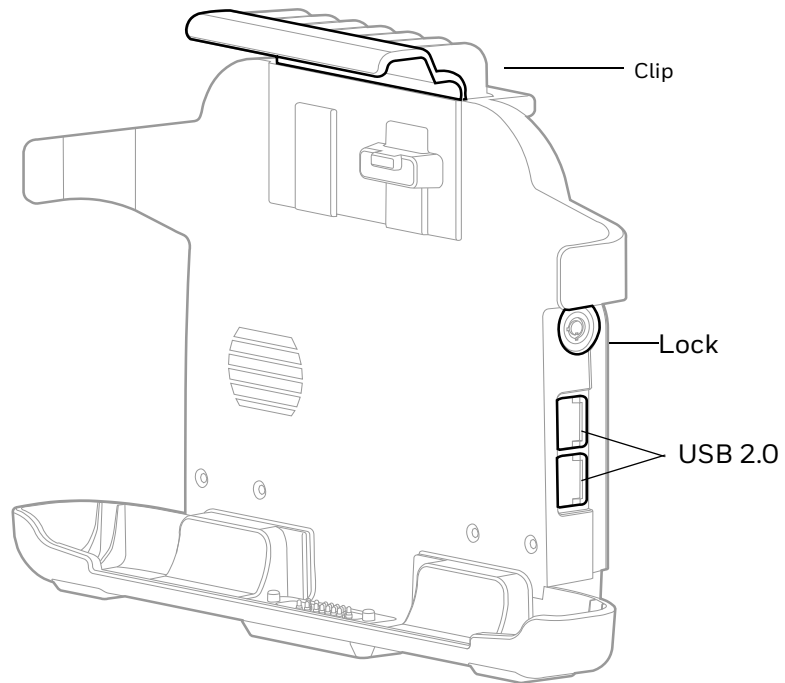
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Features

Front

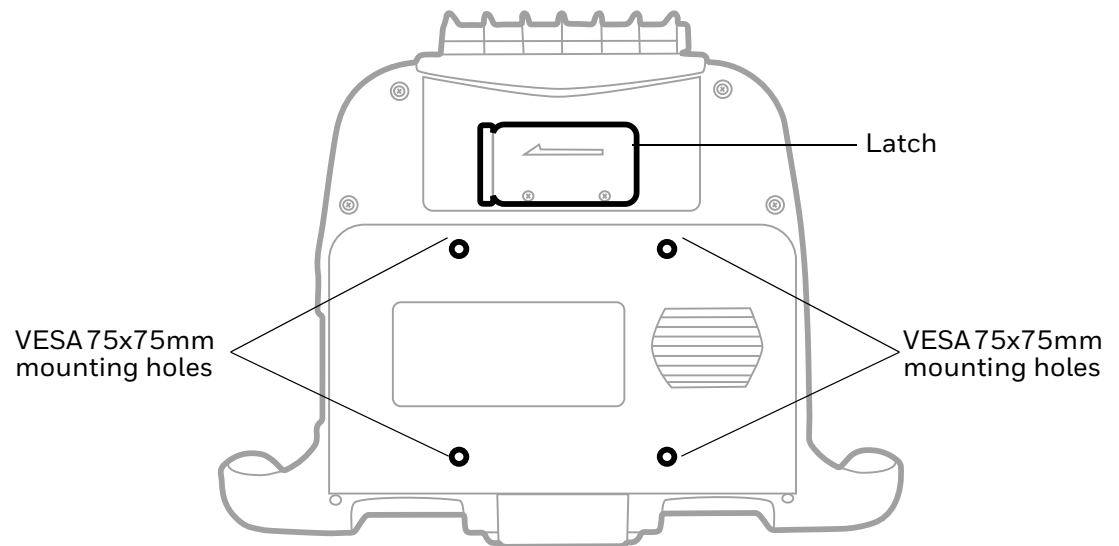


RT10-AVC and RT10-AVD

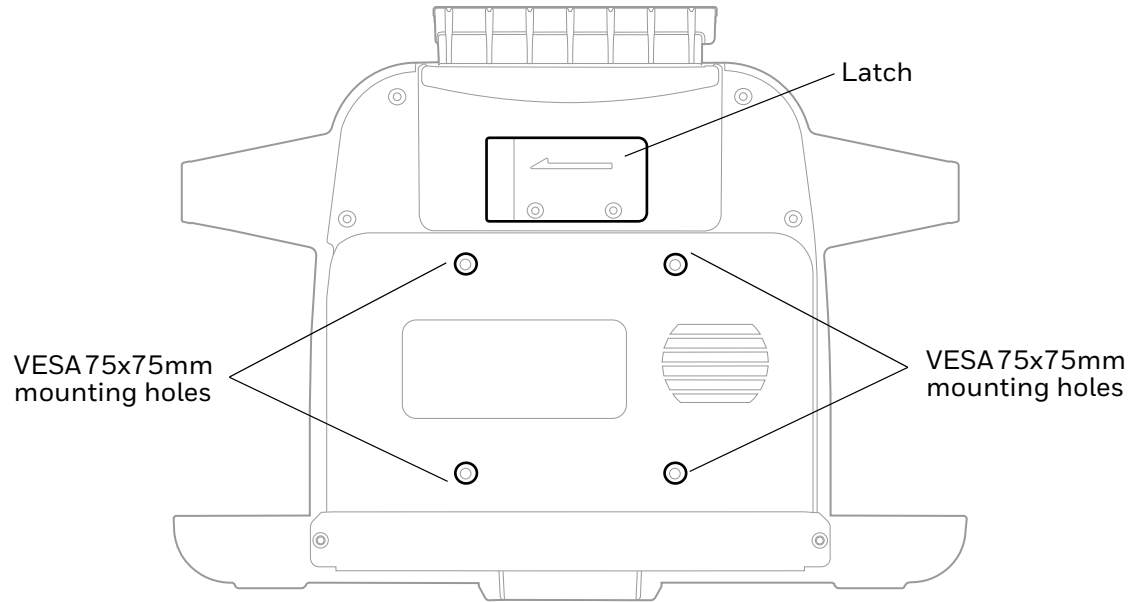


Back

RT10-VD, RT10-EVC, and RT10-EVD

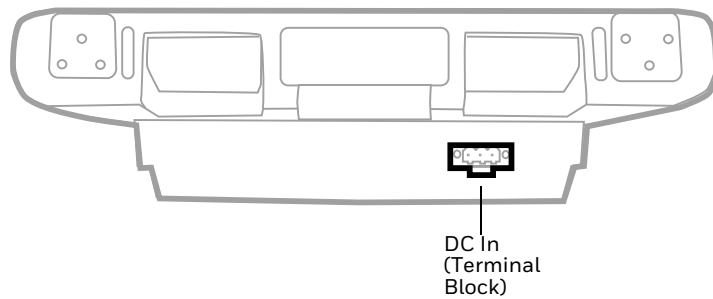


RT10-AVC and RT10-AVD

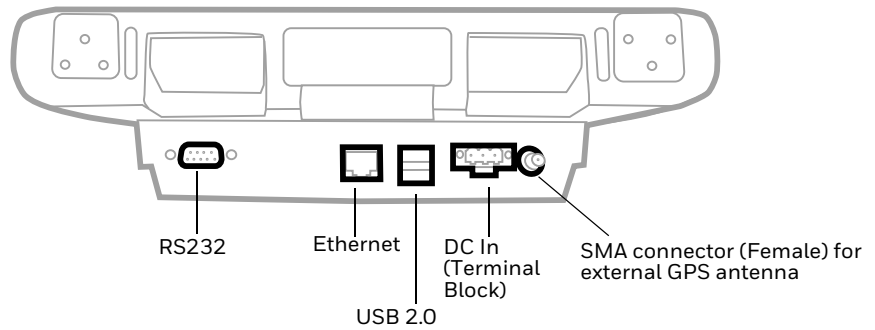


Bottom

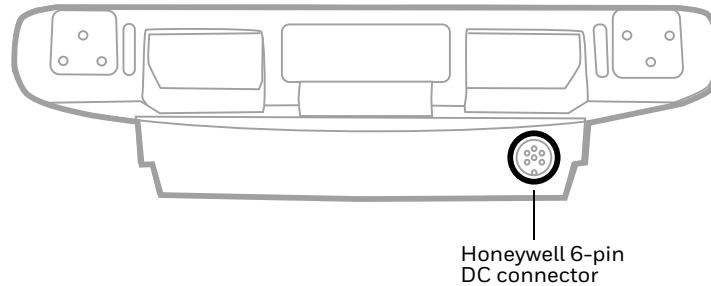
RT10-VC



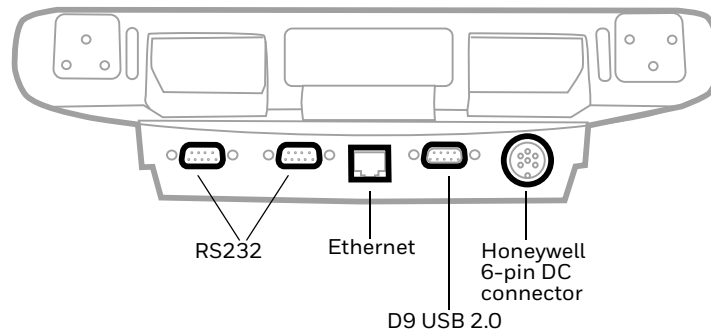
RT10-VD



RT10-EVC/RT10-AVC



RT10-EVD/RT10-AVD



Connect Power

Vehicle power input for the RT10-VC and RT10-VD is 9V to 36V DC. For the RT10-EVC, RT10-AVC, RT10-EVD, and RT10-AVD, power input is 10V to 60V. The operating temperature is -20°C to 60° C (-4°F to 140°F).

The vehicle dock can be connected to vehicle power as follows:

- Power adapter
- Direct power connection

Note: A vehicle dock's input/output ports will only function when power is connected to the dock.

Power Adapter



Caution: Do not install the tablet in the dock before connecting power. Ensure the ignition or power supply is off before connecting the power cable.



Caution: Ensure power input is correct:

Model	Power Input
RT10-VC, RT10-VD	9~36V DC-in
RT10-EVC, RT10-EVD, RT10-AVC, RT10-AVD	10~60V DC-in

RT10-VC and RT10-VD

1. Connect the power adapter cable to the terminal block cable.
2. Insert the terminal block into the dock.
3. Plug the power adapter into a power port on the vehicle.

RT10-EVC, RT10-EVD, RT10-AVC and RT10-AVD

1. Insert the power adapter cable into the dock.
2. Plug the power adapter into a power port on the vehicle.

Direct Connection



Caution: For installation by trained service personnel only.



Caution: Do not install the tablet in the dock before connecting power. Ensure the ignition or power supply is off before connecting the power cable.



Caution: Ensure power input is correct:

Model	Power Input
RT10-VC, RT10-VD	9~36V DC-in
RT10-EVC, RT10-EVD, RT10-AVC, RT10-AVD	10~60V DC-in

Insert Tablet into the Dock

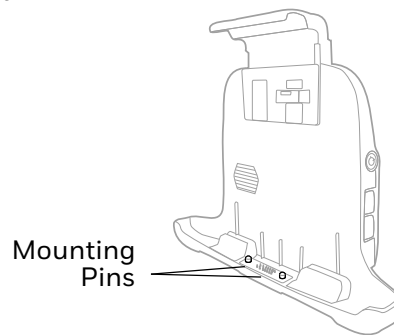


Caution: RT10 vehicle docks with metal mounting pins require the use of RT10-DOCK-PIN-KIT metal inserts to insure the tablet is seated securely in the dock. These tablet inserts are provided with new vehicle docks and can also be purchased separately.

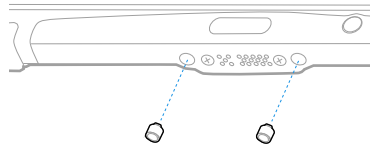
Caution: Do not install these metal inserts into a tablet that will be used with a dock that has plastic mounting pins.

Note: Illustrations show RT10-EVD models. Installation steps are the same for RT10-AVD models.

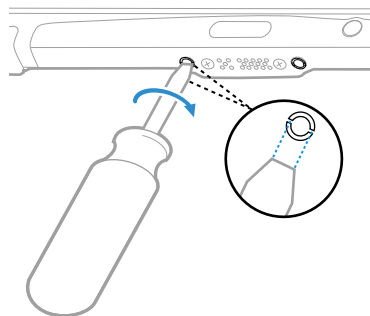
1. Identify whether your vehicle dock has metal or plastic mounting pins.



2. If your vehicle dock has plastic mounting pins, proceed to step 6.
If your vehicle dock has metal mounting pins, proceed to step 3.
3. Press the RT10-DOCK-PIN-KIT metal inserts into the tablet.



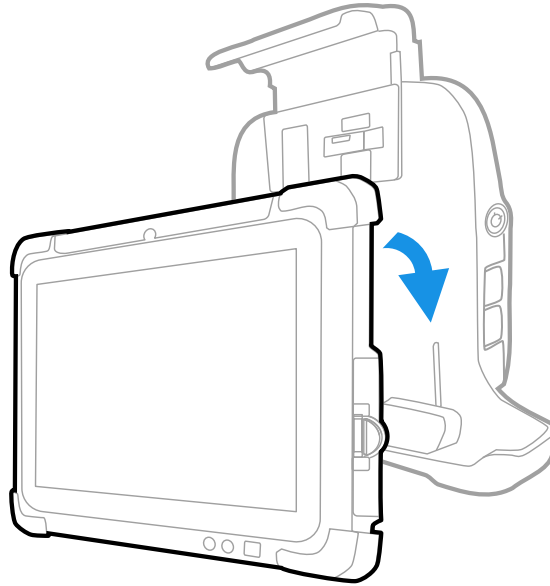
4. Use a standard 5.5mm flat-head screwdriver to lock the inserts into the bottom of the tablet.



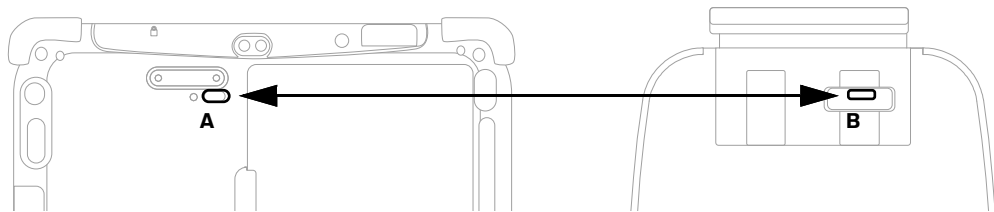
5. Ensure the inserts are flush with the tablet.



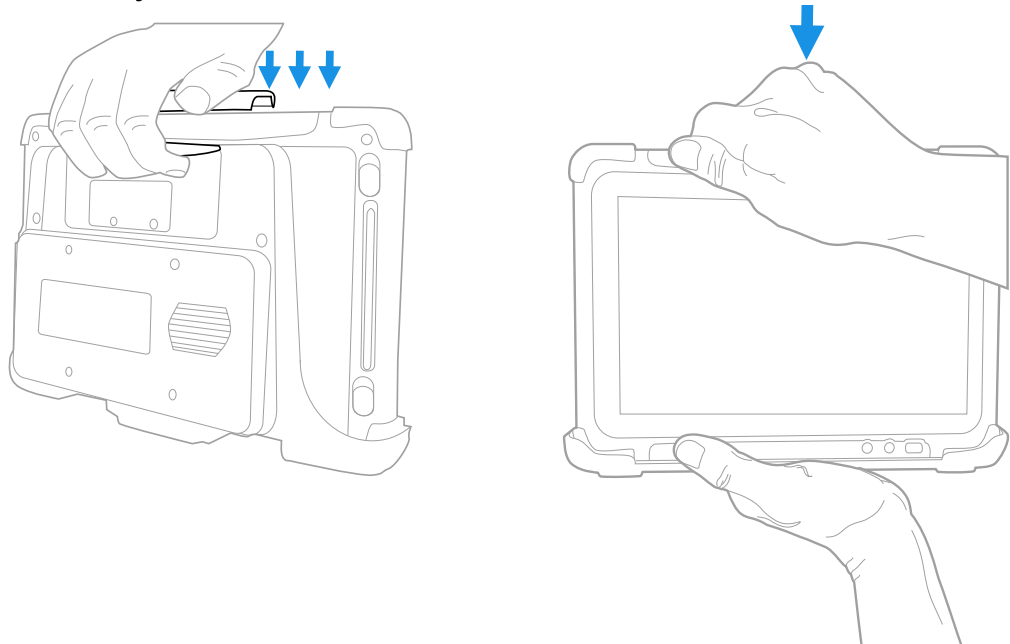
6. Insert the tablet into the dock. Ensure the tablet is fully seated in the dock.



Note: The slot on the back of the tablet (A) must align with the tab on the front of the dock (B).



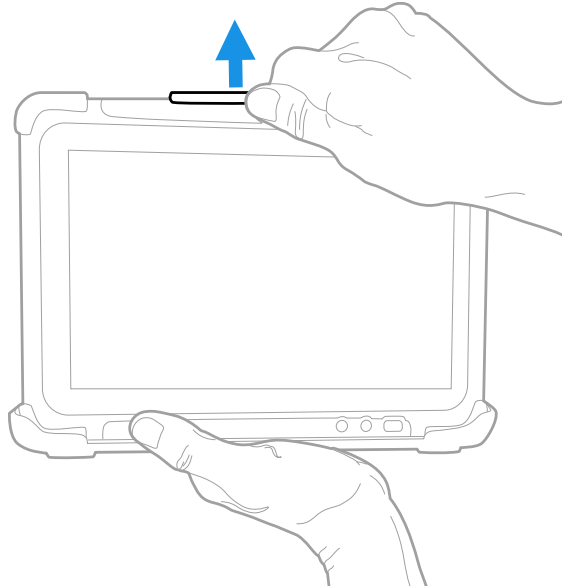
7. Grip the back of the dock with your fingers and push the top clip down with force until you hear the latch click.



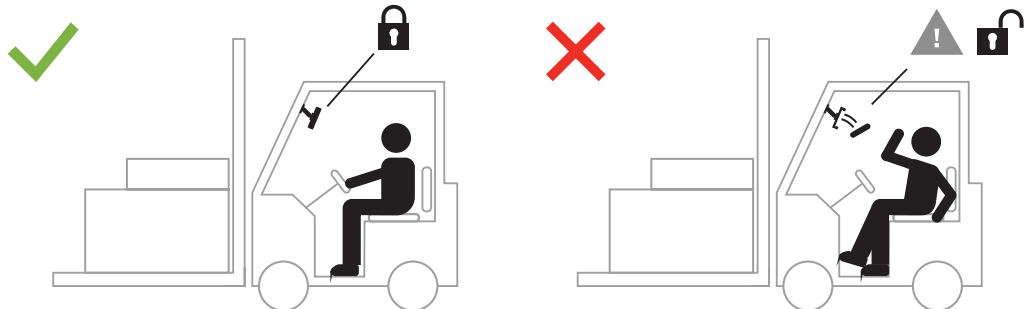


Caution: If you do not use enough downward pressure, the tablet could dislodge.

8. Pull on the clip to ensure it has fully engaged.

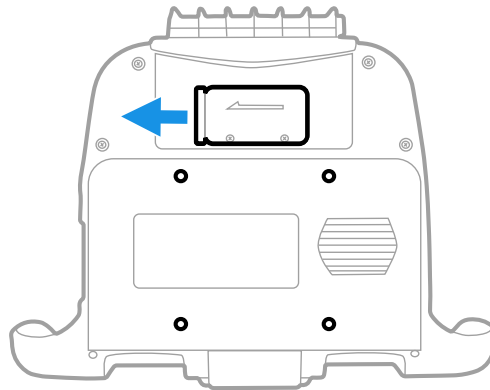


9. Insert the key into the dock, turn it all the way, then attempt to remove it. The key can only be removed if the clip is fully engaged.

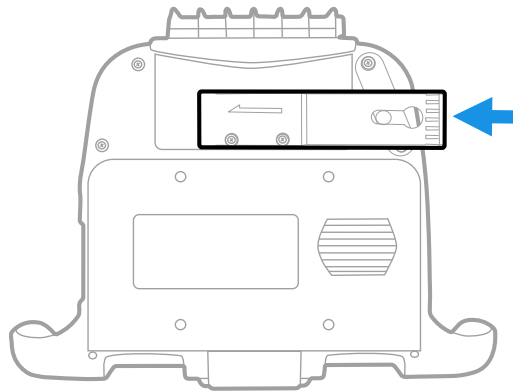


Remove Tablet from the Dock

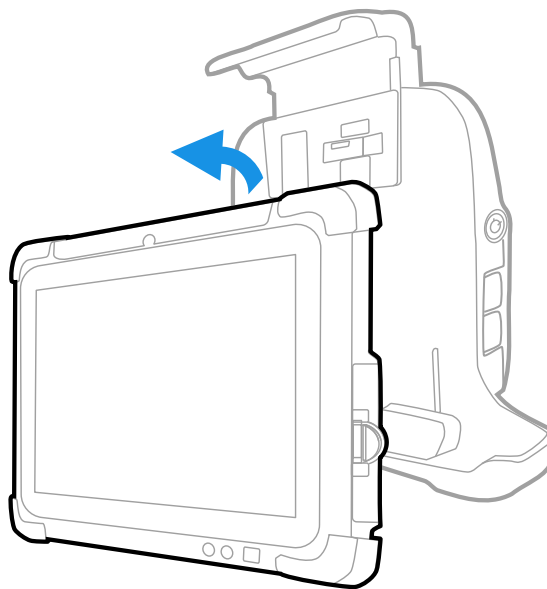
1. Pull the standard latch on the rear of the dock to release the clip.



If the RT10-DOCK-RELEASE is installed (see page [22](#)), push the latch to release the clip.



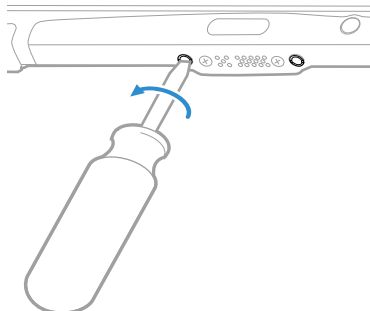
2. Lift the tablet out of the dock.



Remove the Metal Inserts



Caution: RT10-DOCK-PIN-KIT inserts are intended for use with vehicle docks with metal mounting pins only and must be removed before placing the tablet into a desk dock (RT10-DD) or communications dock (RT10-CD).



Push-Release Latch

The RT10-DOCK-RELEASE allows you to access the latch on models RT10-VC, RT10-VD, RT10-EVC, RT10-EVD, RT10-AVC, and RT-AVD when the vehicle dock is mounted in a position where the original latch is not easily accessible.

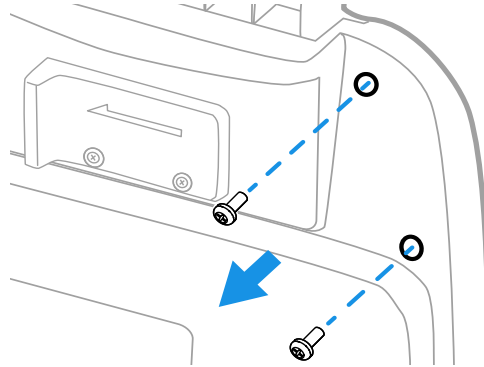
Out of the Box

Make sure that your shipping box contains these items:

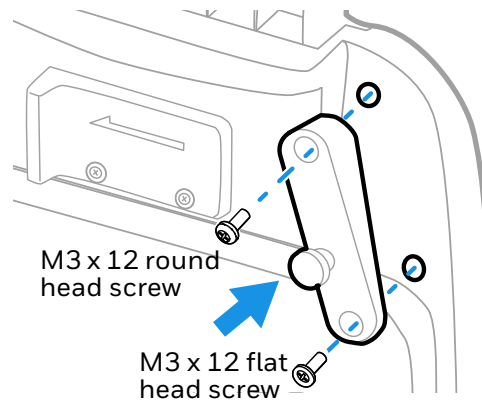
- Latch support
- Push release latch
- M3 x 12 round head screw (1)
- M3 x 12 flat head screw (1)
- M2.5 x 5 round head screws (2)

Install the Push-Release Latch

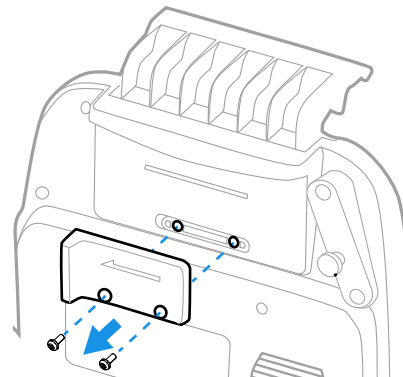
1. Remove the two screws from the upper right of the back of the dock.



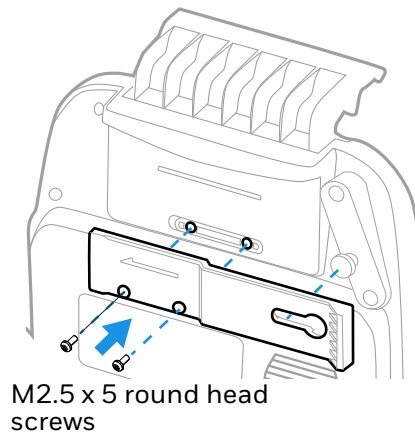
2. Attach the latch support using the M3 x 12 screws.



3. Remove the standard latch.



4. Align the slot on the push release latch with the latch support, then attach the push release latch using the M2.5 x 5 round head screws.



RT10 RAM MOUNT VEHICLE DOCKS

Honeywell offers several RAM Mount vehicle docks to securely fasten RT10 Rugged Tablets in moving vehicles:

- RT10-RAMDOK-9PD2KL
- RT10-RAMDOK-2USB

Feature	RT10-RAMDOK-2USB	RT10-RAMDOK-9PD2KL
Anti-theft design with lockable cradle	X	X
Power supply: Docks require a separate power supply. Either RT10-RAM-PWR-V9 or RT10-RAM-PWR-V10 depending on power voltage input.	X	X
Charges tablets with either standard (RT10-BAT-STD1) or extended (RT10-BAT-EXT1) batteries	X	X
4-hole 75mm x 75mm VESA pattern mounting holes	X	X
I/ O Ports: USB Type A	X	X
RS232		X

Note: RT10 Rugged Tablets mounted on forklifts with hard wheels or in environments with uneven, cracked, or other ground/flooring conditions may experience extreme vibration and shock that can lead to device or dock failure. RT10 tablets and vehicle docks have been tested using the MIL-STD-810G Specification, Method 514.6, Procedure 1; however, there are certain forklift wheel types and floor or ground surface conditions where additional mounting hardware should be installed either in addition to or in place of the standard vehicle dock mounting hardware. Failure to properly mount the RT10 docks where flooring and/or wheel conditions lead to extreme vibration could expose the RT10 device and dock to experience shock and vibration that exceeds the MIL-STD specification, which could lead to RT10 damage,

vehicle dock housing damage, interruption of electrical connections between the dock and tablet, and USB or serial port failures.

If you will be using the RT10 mounted on a vehicle under these circumstances, contact your Honeywell Sales Representative for suggestions on possible mounting solutions.

Out of the Box

Make sure that your shipping box contains these items:

- RT10-RAMDOK-9PD2KL or RT10-RAMDOK-2USB RAM Mount Vehicle Dock
- Side bracket for accessory mounting and strain relief
- #8-32 x 5/8" Machine Screws x 4
- #8-32 x 1/2" Machine Screws x 2
- #8-32 Nylock Nuts x 6
- #10-24 x 5/8" Machine Screws x 4
- #10-24 Nylock Nuts x 4
- Small Cable Ties x 6
- Large Cable Ties x 2
- Keys
- Product documentation

Be sure to keep the original packaging in case you need to return the dock for service.



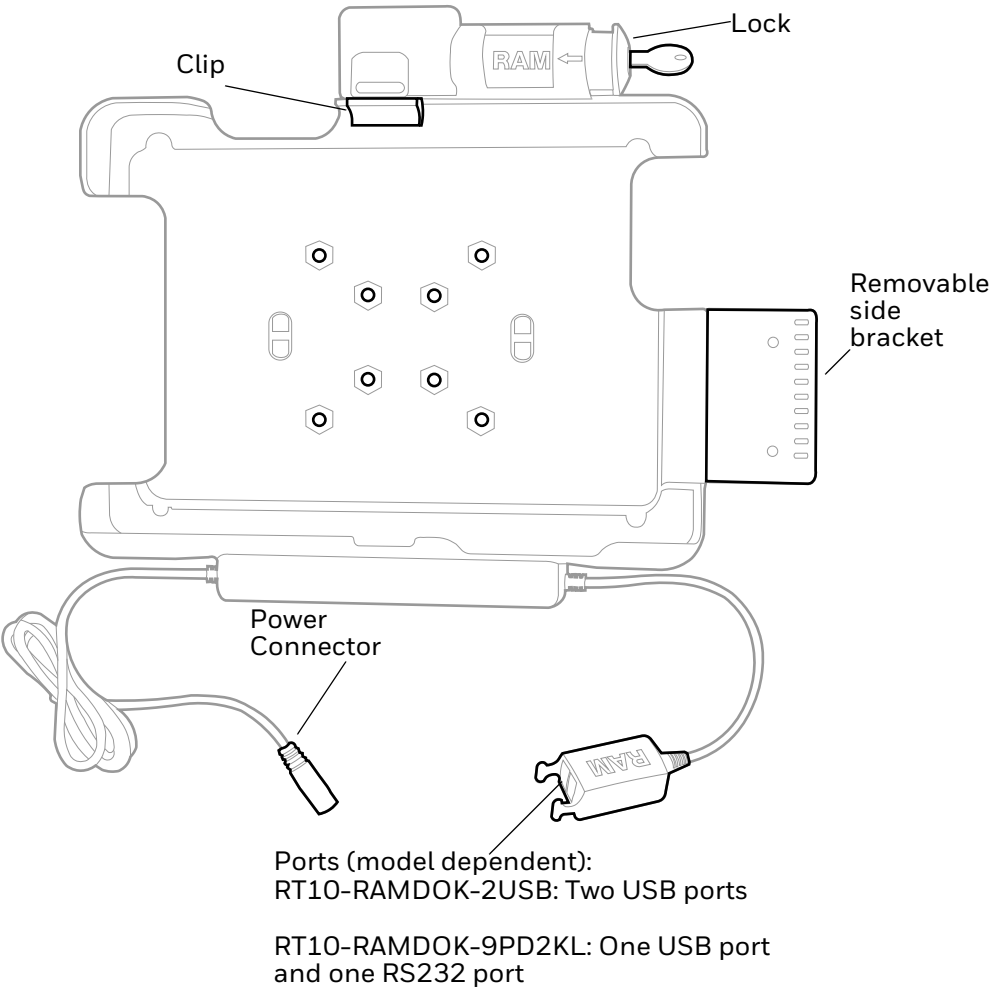
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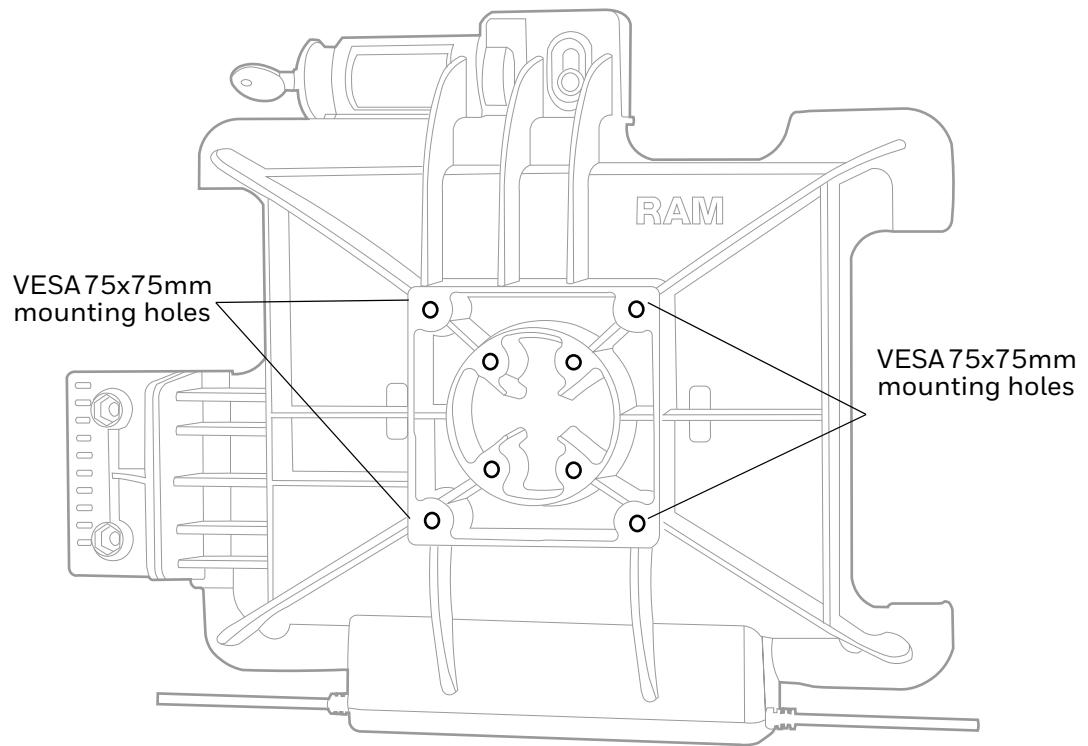


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Features

Front





Note: We recommend mounting the RT10 RAM Mount Vehicle Dock only with an RT10-MNT-RAM 75x75mm VESA Plate with 2.25" diameter rubber "D" size ball. Use of AMPS pattern holes for mounting is not recommended.

Power Supply

Installation of either RT10-RAM-PWR-V9 or RT10-RAM-PWR-V10 is required. The power supplies can be connected directly to the battery or to the cab fuse block. The power supply has an inline 3A fuse, flat marine connection. The power supply male DC 5.5mm barrel connector must be connected to the dock's female DC 5.5mm barrel connector.

The power supply must be ordered separately. Select the power supply based on the vehicle.

Note: A vehicle dock's input/output ports will only function when power is connected to the dock.



Caution: Do not install the tablet in the dock before connecting power. Ensure the ignition or power supply is off before connecting the power cable.



Caution: Ensure power input is correct:

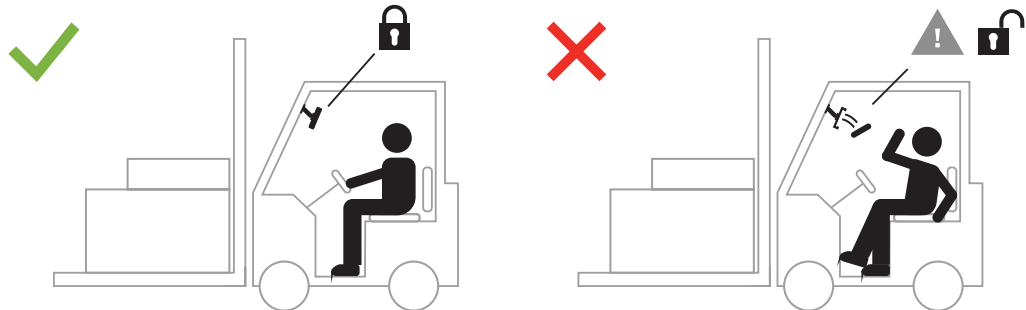
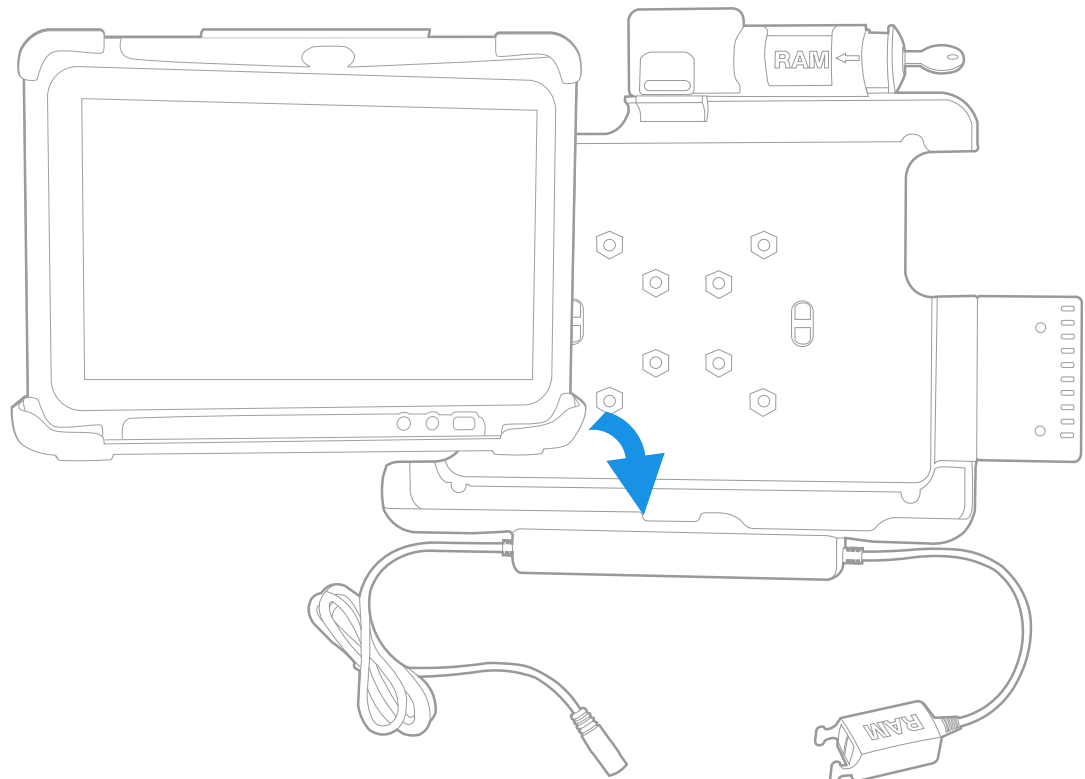
Model	Power Input
RT10-RAM-PWR-V9	20-60VDC input
RT10-RAM-PWR-V10	10-32VDC input

Insert Tablet into the Dock



Caution: Do not install the metal inserts into a tablet that will be used with a dock that has plastic mounting pins.

1. Insert the tablet into the dock. Ensure the tablet is fully seated in the dock.



FIXED MOUNTING SOLUTIONS

Honeywell offers a VESA® adapter plate that installs directly onto the tablet (RT10-MNT-VS) for permanent fixed mounting.

VESA Mount

The RT10-MNT-VS is a VESA adapter plate that is installed directly onto the tablet. Use the VESA plate to secure the tablet to a stand or wall mount.

Note: *The adapter plate restricts access to the RT10 battery. When the VESA adapter plate is attached, the AC/DC power supply (RT10-PWR) must be used with the RT10 tablet.*

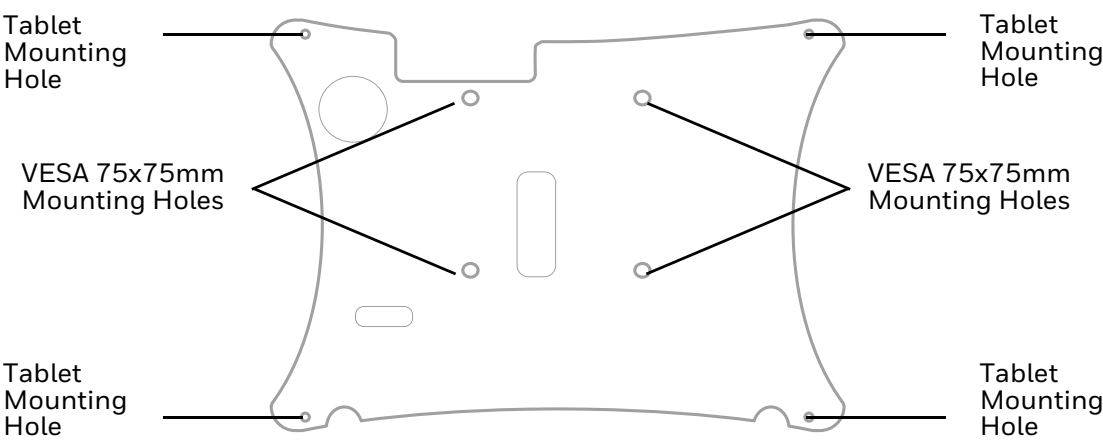
Out of the Box

Make sure that your shipping box contains these items:

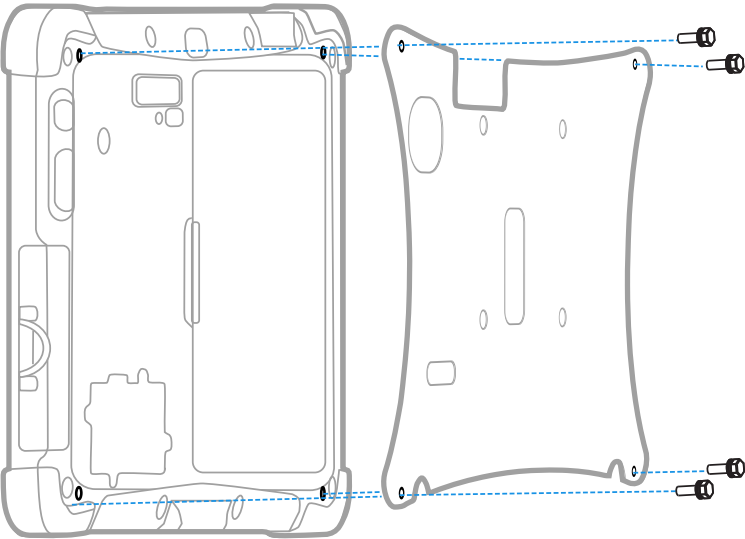
- RT10-MNT-VS plate
- Screws

Be sure to keep the original packaging in case you need to return the mount for service.

Features



Installing the VESA Plate



RAM MOUNTING KIT

Honeywell offers a RAM mount adapter kit for RT10 vehicle docks that provides a ball plate that can be used with RAM mount systems. The RT10-MNT-RAM and RT10-MNT-RAM-C kits allow you to mount a vehicle dock while retaining the flexibility to remove the tablet from the dock.

Out of the Box

Make sure that your shipping box contains these items:

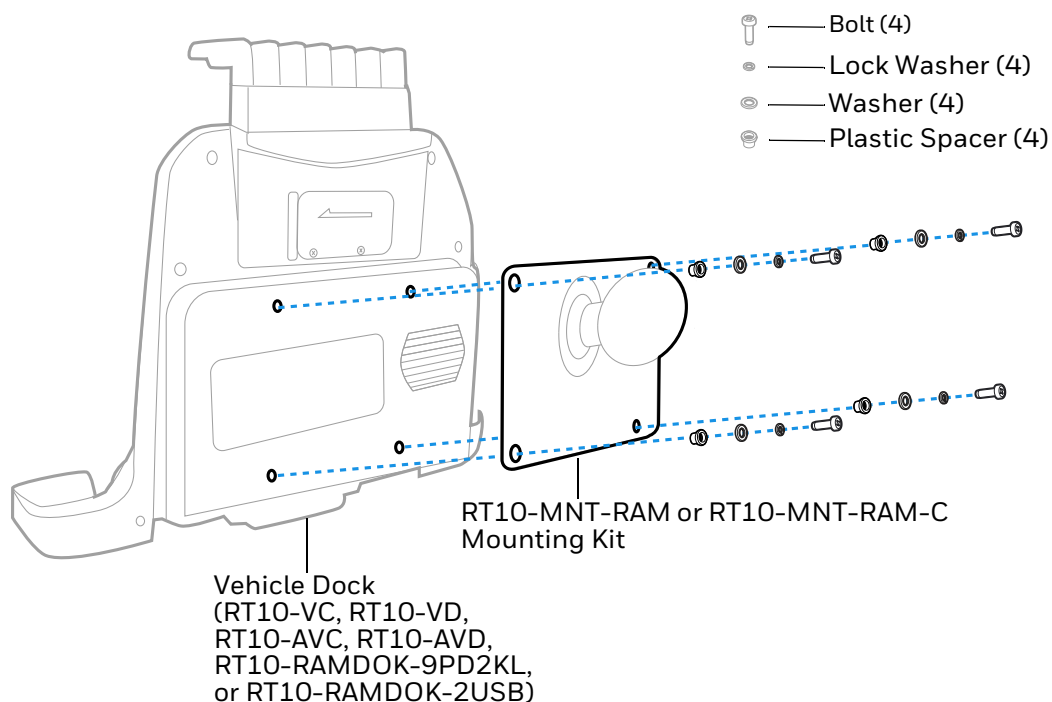
- 75x75 mm VESA plate with size D RAM ball (RT10-MNT-RAM) or size C RAM ball (RT10-MNT-RAM-C)
- Bolt (4)
- Lock washer (4)
- Washer (4)
- Plastic spacer (4)

Be sure to keep the original packaging in case you need to return the RAM kit for service.

Installing the RAM Kit

To secure a vehicle dock to a RAM mount system (sold separately):

1. Attach the RT10-MNT-RAM kit to the vehicle dock.



2. Attach the RT10 assembly to a RAM base using a RAM arm and tighten the knob on the RAM arm. (RAM base and arm sold separately.)

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