



Honeywell Thor VM1A Vehicle Mount Computer User Guide

[Home](#) » [Honeywell](#) » Honeywell Thor VM1A Vehicle Mount Computer User Guide 

Contents

- [1 Honeywell Thor VM1A Vehicle Mount Computer](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Out of the Box](#)
- [5 Computer Features](#)
- [6 Dock Features](#)
- [7 Mount to Vehicle](#)
- [8 Connecting the Power Cable for 12-48 VDC Vehicles \(10-60 VDC Direct Connection\)](#)
- [9 Power Cable Routing](#)
- [10 Power Cable Wiring Diagram with Right Angle and 6 Wires](#)
- [11 Vehicle 10-60 VDC Direct Power Connection](#)
- [12 Restart the Computer](#)
- [13 Support](#)
- [14 User Documentation](#)
- [15 Limited Warranty](#)
- [16 Patents](#)
- [17 Trademarks](#)
- [18 Disclaimer](#)
- [19 Documents / Resources](#)
 - [19.1 References](#)
- [20 Related Posts](#)

Honeywell

Honeywell Thor VM1A Vehicle Mount Computer



Product Information

- Product Name: BSR idware GmbH
- Address: Jakob-Haringer-Str.3 A-5020 Salzburg
- Website: <https://www.bsr.at>
- Email: sales@bsr.at

Product Usage Instructions

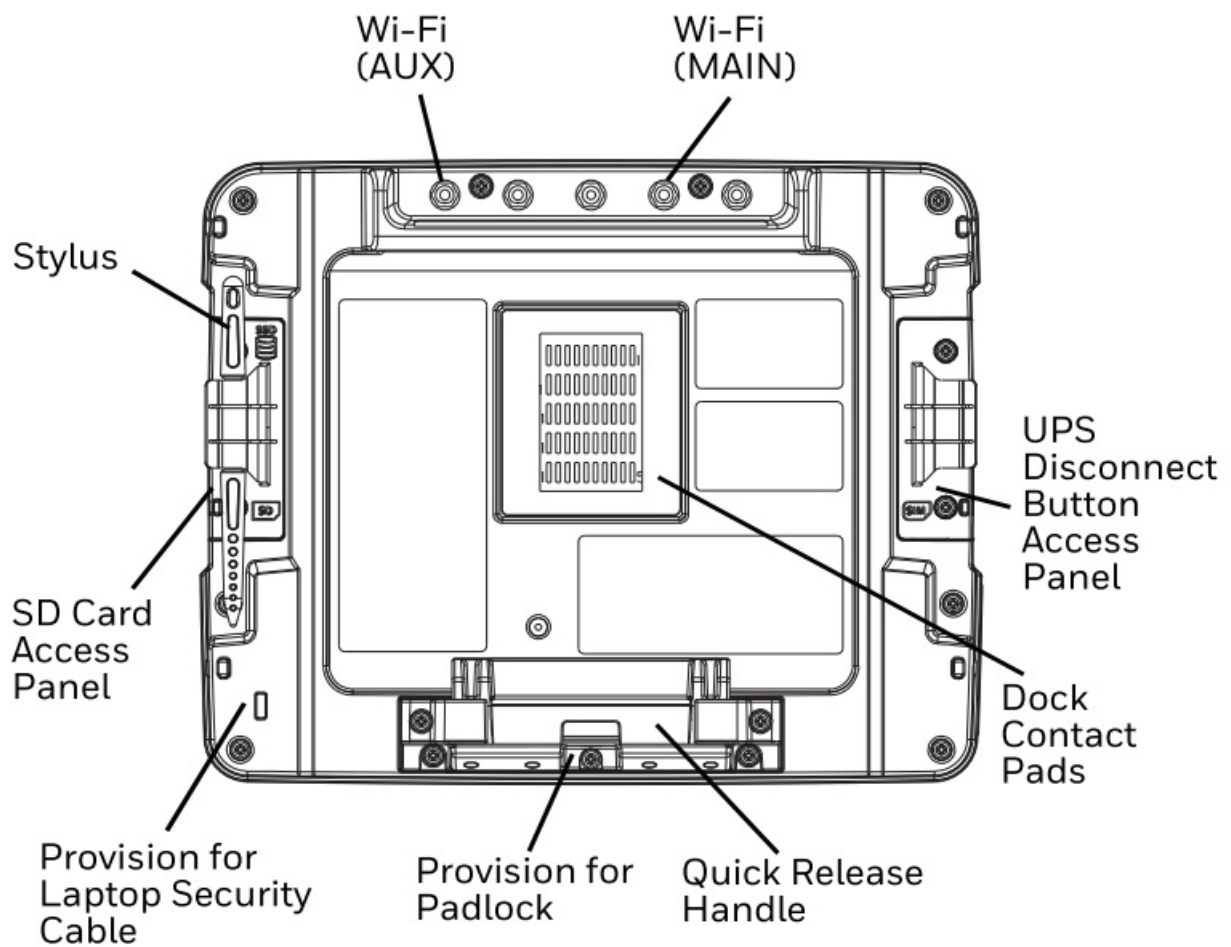
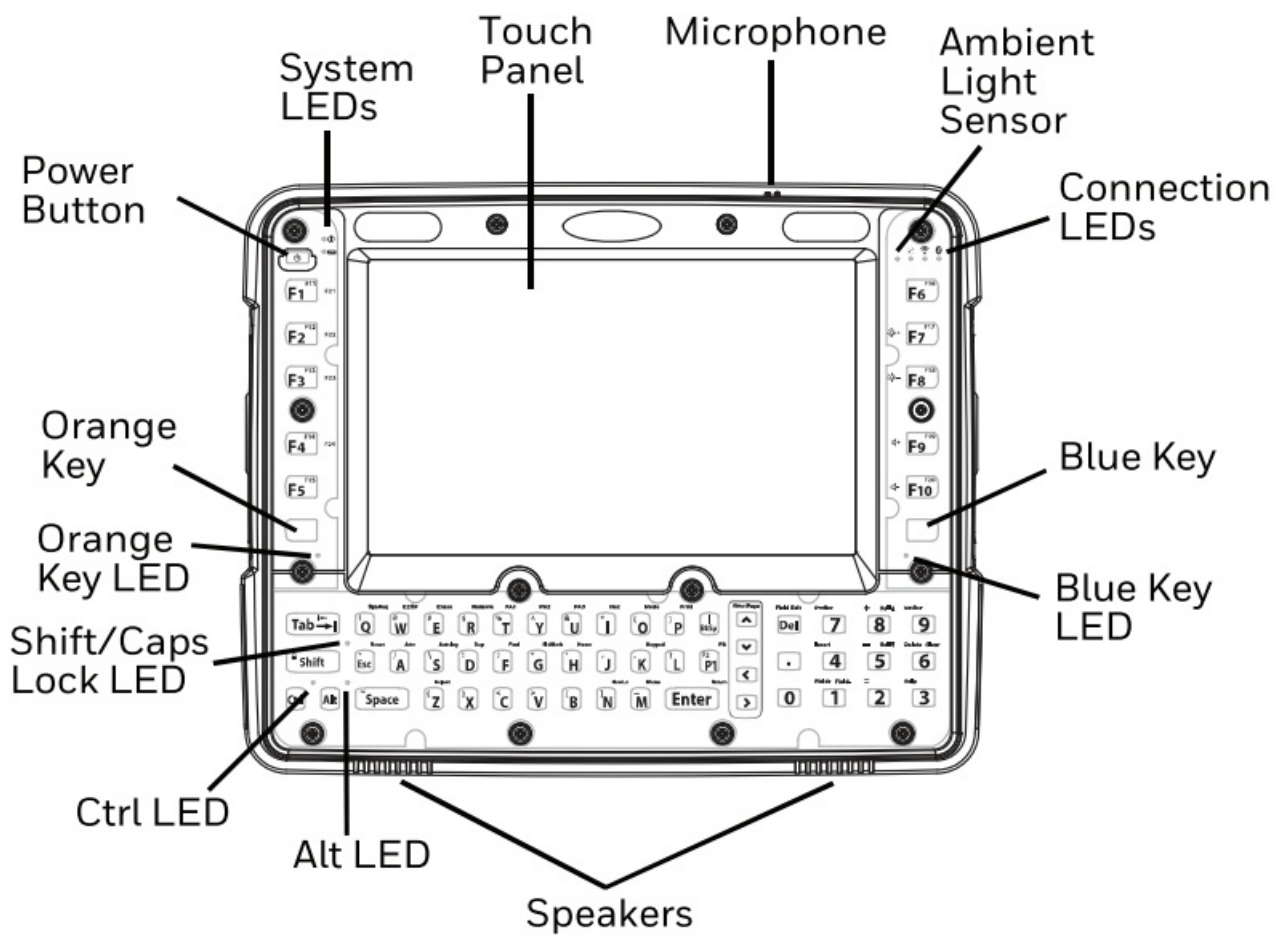
1. Make sure you have a stable internet connection.
2. Open a web browser and go to the BSR idware GmbH website: <https://www.bsr.at>
3. Explore the website to learn more about the product features, specifications, and available services.
4. If you have any questions or need assistance, you can reach out to BSR idware GmbH by sending an email to sales@bsr.at.

Please note that the provided information is based on the text-extract from the user manual. For more detailed instructions and specific usage guidelines, refer to the official user manual or contact BSR idware GmbH directly.

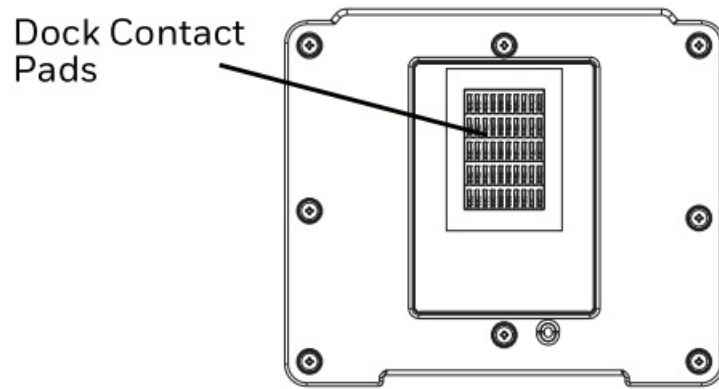
Out of the Box

- Make sure your shipping box contains these items:
 - Thor VM1A vehicle-mounted computer (Model VM1A-L0N)
 - Regulatory Sheet
- If you ordered additional accessories for your computer, verify that they are also included with the order. Be sure to keep the original packaging in case you need to return the computer for service.

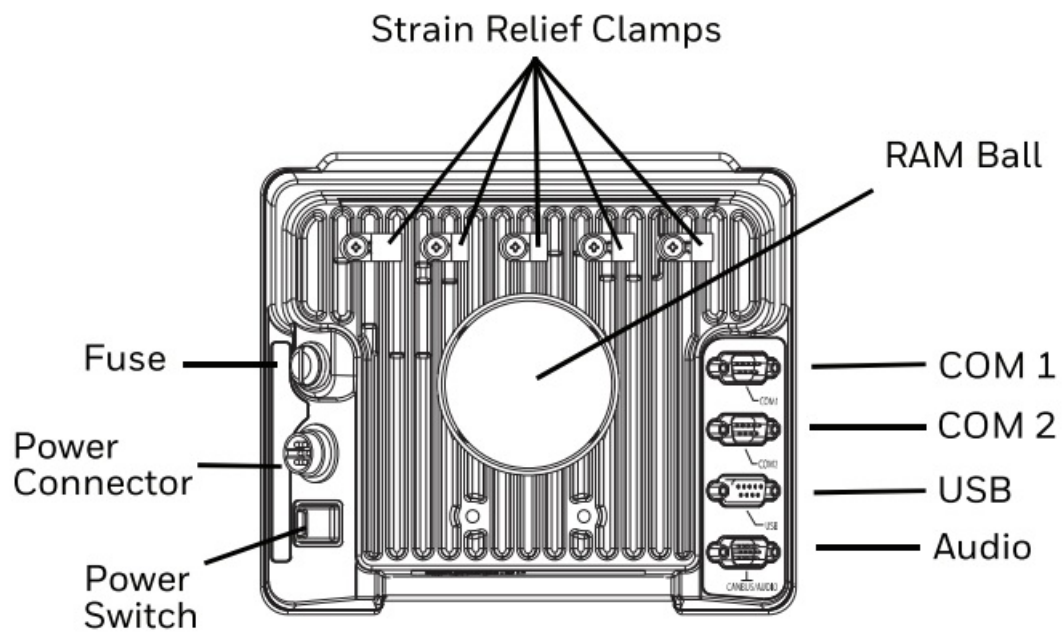
Computer Features



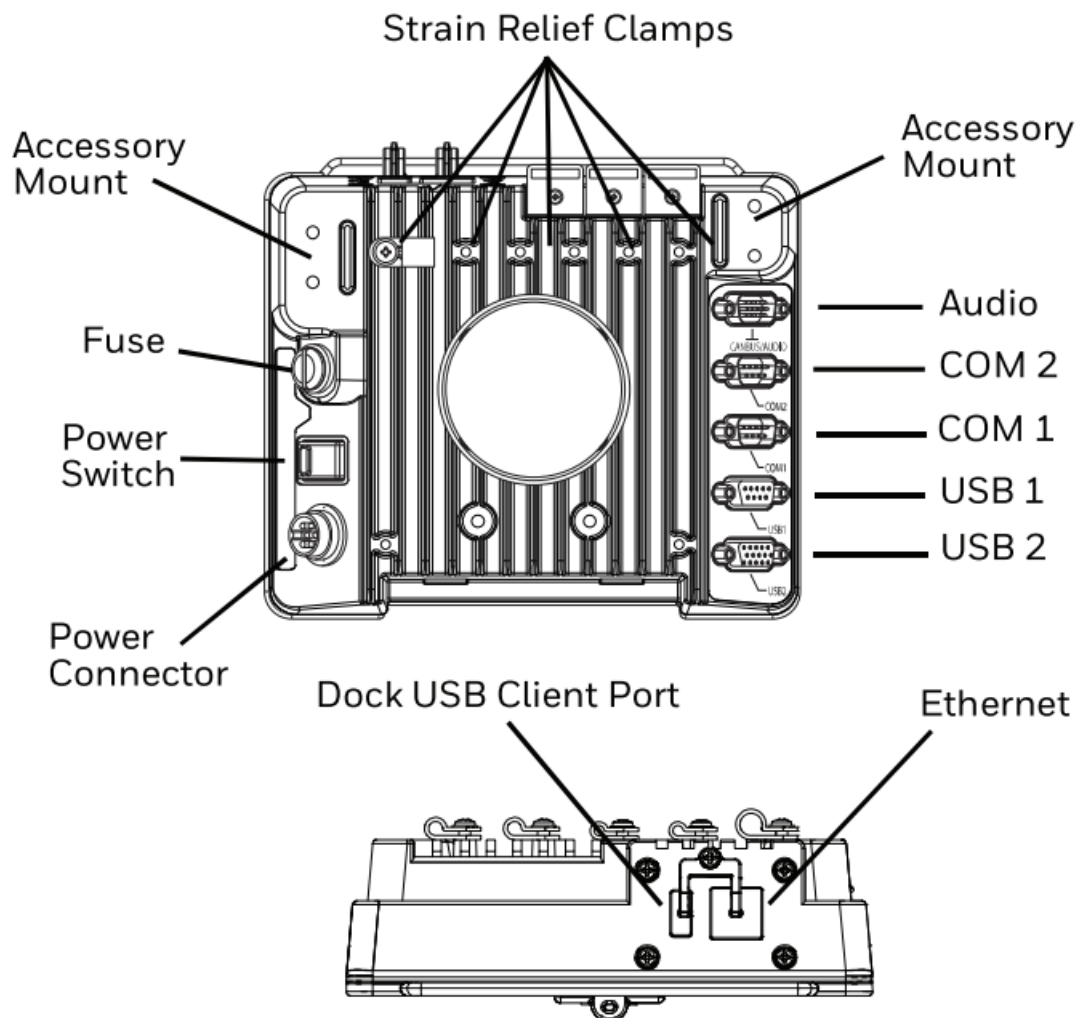
Dock Features



Standard Dock



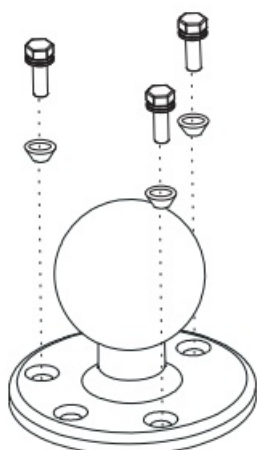
Enhanced Dock



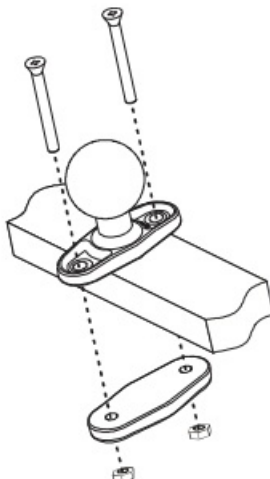
Mount to Vehicle

- The Thor VMIA should be secured to an area in the vehicle where it:
 - Does not obstruct the driver's vision or safe vehicle operation.
 - Will be protected from rain or inclement weather.
 - Will be protected from extremely high concentrations of dust or wind-blown debris.
 - Can be easily accessed by a user seated in the driver's seat while the vehicle is not in operation.
- To mount the VMIA using a RAM mount system:
 1. Attach RAM base to vehicle (RAM ball, RAM Clamp, RAM Plate, etc.).

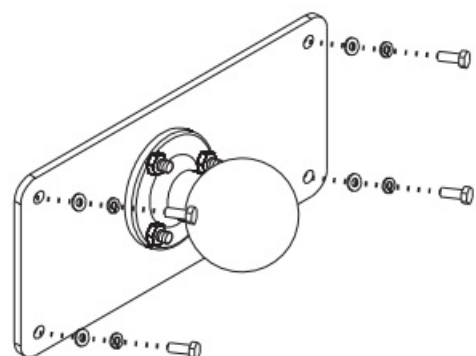
RAM Ball



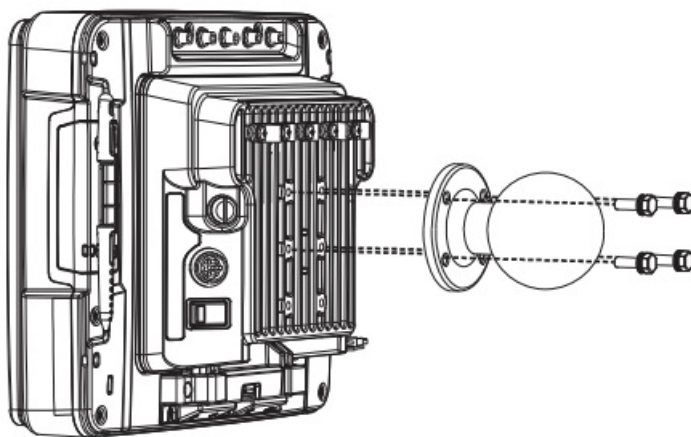
RAM Clamp



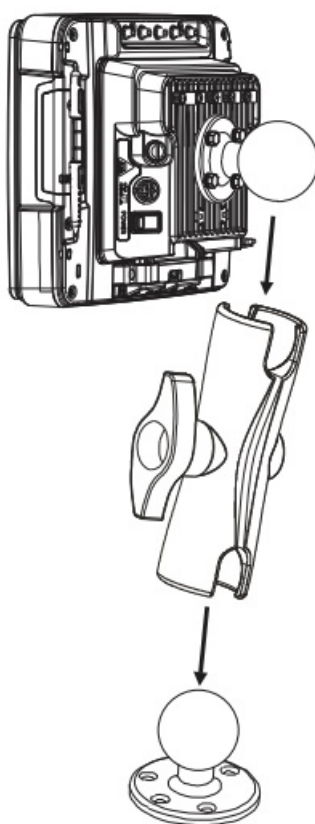
RAM Plate



2. Attach RAM ball to the Smart Dock.



3. Attach VM1A assembly to RAM base using RAM arm and tighten knob on RAM arm.



For more mounting details, refer to the user guide available at sps.honeywell.com.

Connecting the Power Cable for 12-48 VDC Vehicles (10-60 VDC Direct Connection)

Note: Refer to the Thor VM1A User Guide for other power connections, available at sps.honeywell.com.

Caution: For installation by trained service personnel only.

Warning: Fuse Requirements

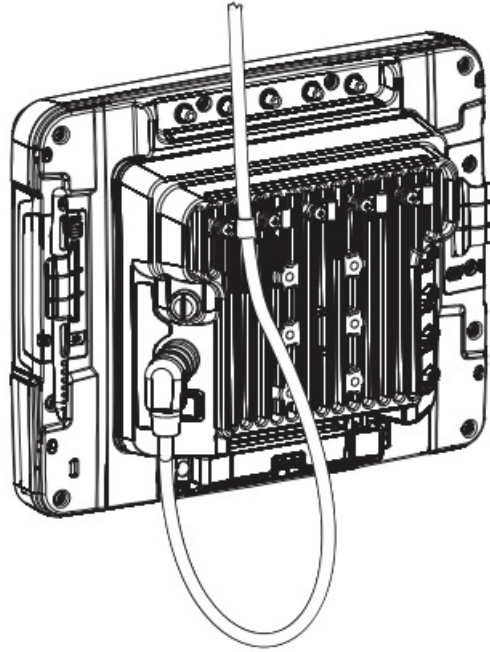
For proper and safe installation, the input power cable must be connected to a fused circuit on the vehicle. If the supply connection is made directly to the battery, the fuse should be installed in the positive lead within 5 inches of the battery's positive (+) terminal. The fused circuit requires a maximum time delay (slow blow) fuse with a current rating as noted below.

- For 12VDC input, use a IOA slow blow fuse that has a DC voltage rating greater than 12VDC.

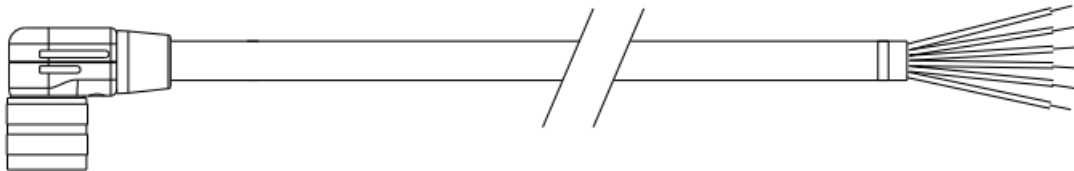
- For 24VDC input, use a 6A slow blow fuse that has a DC voltage rating greater than 24VDC.
- For 36VDC input, use a 4A slow blow fuse that has a DC voltage rating greater than 36VDC.
- For 48VDC input, use a 3A slow blow fuse that has a DC voltage rating greater than 48VDC.

Note: For North America, a UL Listed fuse must be used.

Power Cable Routing



Power Cable Wiring Diagram with Right Angle and 6 Wires



- Twist the red and red/white wires together and twist the black and black/white wires together before connecting to vehicle power.
- Connect the green wire to vehicle ground:
 - **Caution:** For battery powered vehicles, the green wire must be connected to the vehicle chassis ground.
 - **Caution:** For internal combustion engine powered vehicles, the green wire is connected to the vehicle chassis ground, which can also be battery negative.

WIRE CONNECTION

- **Red** DC+ (10-60 VDC)
- **Red/White** DC+ (10-60 VDC)
- **Black** DCBlack/
- **White** DC
- **Green** Ground
- **Blue** Ignition Sense Input (optional) Refer to the Thor VMIA User Guide, available at sps.honeywell.com, for

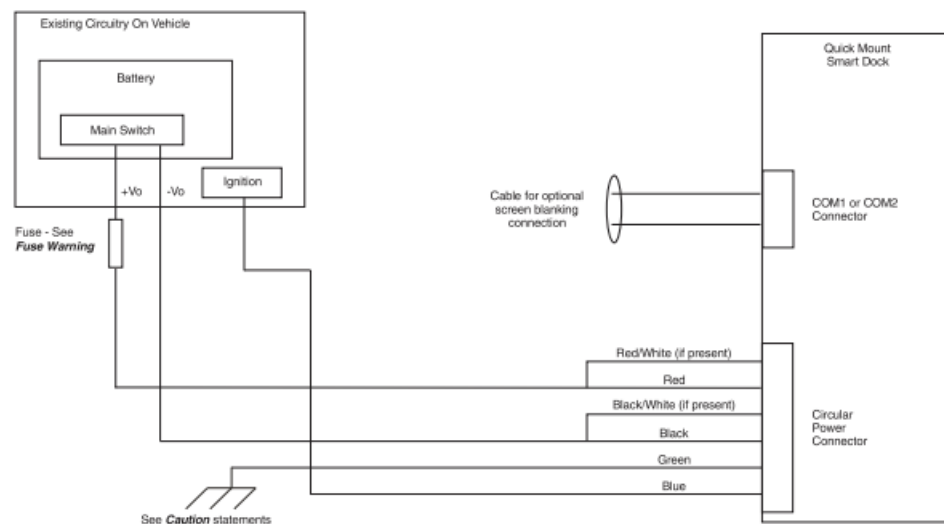
further information about ignition control.

Vehicle 10-60 VDC Direct Power Connection

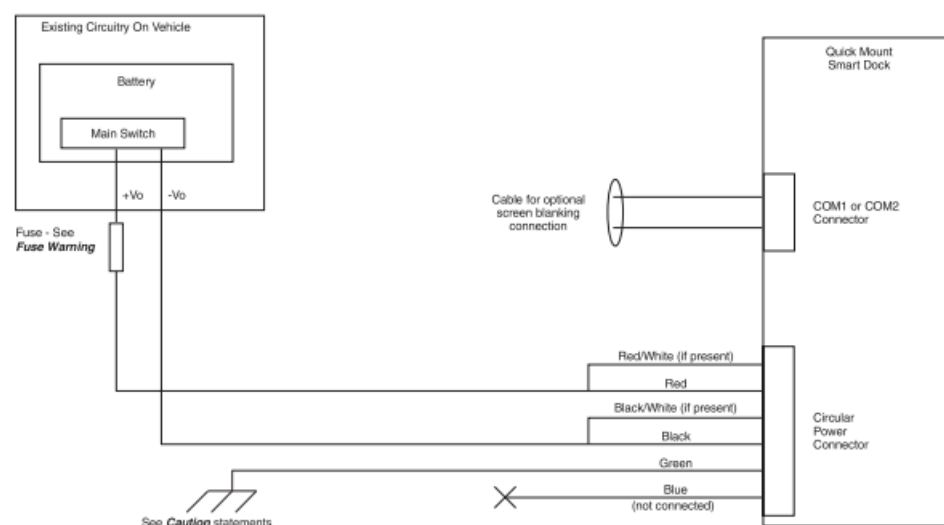
1. The VM1A must not be mounted in the dock. The power switch on the dock must be turned Off. The power cable must be UNPLUGGED from the dock.
2. While observing the Fuse Requirements, connect the power cable as close as possible to the actual battery terminals of the vehicle(if using unswitched power).
3. Use proper electrical and mechanical fastening means for terminating the cable. Properly sized “crimp” type electrical terminals are an accepted method of termination. Select electrical connectors sized for use with 20AWG (0.81mm²) conductors.
4. Refer to the following wiring diagrams for wire colors and connections:

- **Ignition Control Wiring Diagram**

If switched vehicle power is available, the ignition wire can be connected. The VM1A will boot up when the vehicle ignition is turned on.



- Auto On Control and Manual Control Wiring Diagram Ignition wire must be left disconnected.



- **Caution:** For battery J-powered vehicles: Red and red/white wire twisted together to battery positive.
 - Black and black/white wire twisted together to battery negative.
 - Green wire connected to vehicle chassis ground.

- **Caution:** For internal combustion engine powered vehicles:
 - Red and red/white wire twisted together to battery positive.
 - Black and black/white wire twisted together to battery negative.
 - Green wire connected to vehicle chassis ground, which can also be battery negative.
- 5. Route the cable the shortest way possible removing any leftover cable, making sure the cable does not interfere with safe operation and maintenance of the vehicle. The cable is rated for a maximum temperature of 221 ° F (105° C). The cable should be protected from surfaces that exceed this temperature, from physical damage from moving parts, and from chemicals or oil that cause the insulation to deteriorate. Avoid sharp bends. The power cable is less flexible in low temperature environments.
- 6. Secure the cable to the vehicle structure at approximately one foot intervals, taking care not to over tighten, pinch conductors, or penetrate the insulation.
- 7. Connect the watertight connector end of the power cable to the dock power connector by aligning the connector pins to the power connector; push down on the watertight connector and twist it to fasten securely.
- 8. Secure the power cable to the VMIA using the strain relief cable clamps.
- 9. Place VMIA in the dock.
- 10. If using the Screen Blanking feature, install the screen blanking box or switch. (Refer to the Thor VMIA User Guide, available at sps.honeywell.com, for further information about the Screen Blanking box.)
- 11. Press the power switch on the back of the dock.
- 12. Press the power button on the front of the VMIA.
- 13. Configure the Auto-ON behavior.

Restart the Computer

- You may need to restart the computer to correct conditions where an application stops responding to the system or the computer seems to be locked up.
 1. Press and hold the Power button until the options menu appears.
 2. Select Restart.
- To restart the computer if the touch panel display is unresponsive:

Press and hold the Power button for approximately 8 seconds until the computer restarts.

Note: To learn about advanced reset options, see the user guide.

Support

Go to sps.honeywell.com and select Support to search our knowledge base for a solution or to log into the Technical Support portal.

User Documentation

For the user guide and other documentation, go to sps.honeywell.com.

Limited Warranty

For warranty information, go to sps.honeywell.com and select Support > Warranties.

Patents

For patent information, see www.hsmpats.com.


Trademarks

Android is a trademark of Google LLC.

Disclaimer

- Honeywell International Inc. (“HII”) reserves the right to make changes in specifications and other information contained in this document without prior notice, and the reader should in all cases consult H 11 to determine whether any such changes have been made. The information in this publication does not represent a commitment on the part of HII.
- HII shall not be liable for technical or editorial errors or omissions contained herein; nor for incidental or consequential damages resulting from the furnishing, performance, or use of this material. HII disclaims all responsibility for the selection and use of software and/or hardware to achieve intended results.
- This document contains proprietary information that is protected by copyright. All rights are reserved. No part of this document may be photocopied, reproduced, or translated into another language without the prior written consent of H II.
- Copyright© 2021 Honeywell International Inc. All rights reserved.

Documents / Resources

	<p>Honeywell Thor VM1A Vehicle Mount Computer [pdf] User Guide Thor VM1A, Thor VM1A Vehicle Mount Computer, Vehicle Mount Computer, Computer</p>
---	--

References

-  [BSR Barcode und RFID](#)