

Vanquisher RM2025

Vanquisher Ultra Rugged Enterprise Tablet PC User Manual

Model: RM2025

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Vanquisher RM2025 Ultra Rugged 8-inch Enterprise Tablet PC. Designed for demanding environments, this tablet combines powerful hardware with robust durability, making it ideal for warehouse, logistics, and field operations.

Please read this manual thoroughly before using your device to ensure proper function and longevity.

2. PRODUCT OVERVIEW AND FEATURES

The Vanquisher RM2025 is engineered for high performance and reliability in challenging conditions. Key features include:

- **Powerful Hardware:** Equipped with a Qualcomm 8-core CPU, 8GB RAM, 128GB ROM (expandable), ensuring smooth multi-tasking and rapid processing.
- **Android 14 OS:** GMS certified, providing access to Google services and a secure, customizable platform for enterprise mobility.
- **Integrated 2D Barcode Scanner:** Features a Zebra SE4750 scan engine for accurate and efficient scanning of 1D and 2D barcodes.
- **Long-lasting Battery:** A 10000mAh Li-ion battery offers over 600 hours of standby time and more than 10 hours of continuous operation.
- **Comprehensive Connectivity:** Includes 16MP camera, 13.56MHz NFC reader, WiFi, Bluetooth, and 4G LTE module.
- **Rugged Design:** IP67 rated for water and dust resistance, with a robust construction for enterprise-class durability.



Figure 2.1: Vanquisher RM2025 Tablet displaying the Android 14 interface, set against a warehouse background.



Figure 2.2: Detailed side view of the tablet, indicating the locations of the volume buttons, power button, NFC reader, 16MP camera, and the integrated Zebra SE4750 2D Scan Engine.

Powerful Hardware Configuration

Brings Smooth Multi-task Running



Figure 2.3: Illustration of the tablet's powerful hardware configuration, highlighting the Octa-core CPU, 8GB RAM, 128GB ROM, 16MP Camera, WiFi, Bluetooth, and 4G LTE capabilities.

3. SETUP

3.1 Initial Charging

Before first use, fully charge the tablet using the provided charger. The charging indicator will show progress and turn solid when charging is complete.

3.2 Power On/Off

- To power on: Press and hold the **Power button** (refer to Figure 2.2) until the Vanquisher logo appears.
- To power off: Press and hold the **Power button**, then select "Power off" from the options.

3.3 Initial Android Setup

Upon first power-on, follow the on-screen prompts to complete the Android 14 setup process. This includes selecting your language, connecting to a Wi-Fi network, and signing in with your Google account (optional, but recommended for full GMS access).

4. OPERATING INSTRUCTIONS

4.1 Barcode Scanning

The tablet is equipped with a Zebra SE4750 2D laser scan engine for efficient barcode data capture.

- **Using the Scanner:** Locate the scan trigger button (typically on the side, refer to Figure 2.2). Point the scanner at the barcode and press the trigger.

- **Barcode Scan Helper App:** Utilize the pre-installed "Barcode Scan Helper" application to configure scan modes, output formats, and add prefixes/suffixes. This app facilitates integration with web or Excel-based warehouse and inventory applications.



Figure 4.1: Tablet in use for warehouse management, demonstrating its application in data entry and inventory tracking.

4.2 Android 14 OS Navigation

Navigate the Android 14 operating system using standard touch gestures. Access Google Play Store for application downloads, and utilize Google Drive, Google Sheets, and other GMS services for productivity.

4.3 Connectivity

- **Wi-Fi:** Connect to available Wi-Fi networks via Settings > Network & internet > Wi-Fi.
- **Bluetooth:** Pair with Bluetooth devices (e.g., headsets, external scanners) via Settings > Connected devices > Bluetooth.
- **4G LTE:** Insert a compatible SIM card (if applicable) to enable cellular data connectivity.
- **NFC:** Use the 13.56MHz NFC reader for short-range wireless communication, such as data transfer or payment (if supported by application).

4.4 Camera Usage

The integrated 16MP camera can be accessed via the Camera application. Use it for documentation, photo capture, or video recording as required by your applications.

5. BATTERY MANAGEMENT

The Vanquisher RM2025 features a high-capacity 10000mAh Li-ion battery designed for extended use.

- **Charging:** Use only the original charger and cable. Avoid using damaged chargers or cables.
- **Battery Life Optimization:** To maximize battery life, reduce screen brightness, disable unused connectivity features (Wi-Fi, Bluetooth, GPS) when not needed, and close background applications.
- **Storage:** If storing the device for an extended period, charge it to approximately 50% before storage to preserve battery health.



Figure 5.1: Visual representation of the tablet's 10000mAh Li-ion battery, emphasizing its long standby and operational times.

6. MAINTENANCE AND DURABILITY

The Vanquisher RM2025 is built with a rugged design and IP67 rating to withstand harsh environments.

- **Cleaning:** Use a soft, damp cloth to clean the device. Avoid harsh chemicals or abrasive materials. Ensure all ports are sealed before cleaning with liquids.
- **Protection:** While rugged, avoid unnecessary drops or impacts. Ensure port covers are securely closed to maintain IP67 water and dust resistance.
- **Operating Environment:** Operate the tablet within specified temperature and humidity ranges to ensure optimal performance and longevity.



Comes with Back Hand Strap



Warehouse Management

Shipping Tracking

Field Maintenance

GPS Navigation

Food Distribution



Figure 6.1: The tablet's robust construction, designed to endure challenging work conditions.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Vanquisher RM2025 tablet.

7.1 Device Not Powering On

- Ensure the battery is sufficiently charged. Connect the charger and wait a few minutes before attempting to power on.
- Press and hold the Power button for at least 10-15 seconds to perform a forced restart.

7.2 Barcode Scanner Not Responding

- Check if the "Barcode Scan Helper" app is running and properly configured.
- Ensure the barcode is clean and well-lit.
- Verify that the scanner lens is clean and free from obstructions.

7.3 Connectivity Issues (Wi-Fi/Bluetooth/4G)

- Toggle Wi-Fi/Bluetooth/4G off and on in the settings.

- Restart the tablet.
- For Wi-Fi, forget the network and reconnect. For 4G, ensure the SIM card is correctly inserted and activated.

7.4 Device Unresponsive / Freezing

- Close all running applications.
- Perform a soft reset by pressing and holding the Power button until the device restarts.
- If the issue persists, consider a factory reset (*Note: This will erase all data. Back up important information first.*).

8. SPECIFICATIONS

| Feature | Detail |
|--------------------|---|
| Model Number | RM2025 |
| Screen Size | 8 Inches |
| Display Resolution | 1920x1200 |
| Operating System | Android 14 (GMS Certified) |
| Processor | Qualcomm 8-core CPU |
| RAM | 8GB |
| Internal Storage | 128GB (Expandable) |
| Barcode Scanner | Zebra SE4750 2D Laser Scan Engine |
| Battery Capacity | 10000mAh Li-ion |
| Camera | 16MP |
| Connectivity | Wi-Fi, Bluetooth, 4G LTE, NFC (13.56MHz), USB Cable |
| Durability Rating | IP67 Waterproof & Dustproof |
| Item Weight | 2.87 pounds |
| Manufacturer | Sinicvision Technology |

Ruggedized Design For Tough Working Environment



Figure 8.1: The tablet's versatility across different enterprise applications, including warehouse management and GPS navigation.

9. WARRANTY AND SUPPORT

Your Vanquisher RM2025 Tablet PC is manufactured by Sinicvision Technology. For technical support, warranty inquiries, or assistance with accessories like dock stations or screen protectors, please contact:

Email: Support@sinicvision.com

Please provide your model number (RM2025) and a detailed description of your issue when contacting support to ensure prompt assistance.