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> Vanquisher SV-88H 8-Inch Ultra Rugged Tablet User Manual

## Vanquisher SV-88H

# Vanquisher SV-88H 8-Inch Ultra Rugged Tablet User Manual

Model: SV-88H

## 1. INTRODUCTION AND OVERVIEW

The Vanquisher SV-88H is an 8-inch ultra-rugged tablet designed for demanding mobile field work environments. It features Windows 10 Pro, integrated GPS/GNSS, a 7500mAh battery, Gorilla Glass panel, and IP67 water-resistant rating. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Figure 1.1: Multiple views of the Vanquisher SV-88H tablet, illustrating its robust design from various angles.

## 2. PRODUCT FEATURES

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The Vanquisher SV-88H tablet incorporates several key features for enhanced field performance:

- **Ultra-Thin & Compact Size:** 8-inch handheld design, weighing less than 1.5 lbs, with an ergonomic build and sturdy backhand strap for easy portability and secure holding.
- **Ruggedized Construction:** Features a Corning Gorilla Glass panel and IP67 rating for water and dust resistance. Meets MIL-STD-810G military standards for drops, shocks, vibration, rain, dirt, mud, sand, water, altitude, and humidity.
- **Windows-Based Enterprise Mobility:** Runs Microsoft Windows 10 Professional with an Intel 14nm Atom X5-Z8350 Quad-core processor (up to 1.92GHz), 2GB RAM, and 32GB ROM. Supports expandable memory via Micro SD slot and OTG mode for peripherals.
- **Superior Battery Durability:** Integrated 7500mAh high-capacity Li-ion battery provides a full day of computing and field work.
- **Built-in GPS:** Integrated U-blox GPS module (Neo-7 GNSS) for navigation and positioning without Wi-Fi or cellular signal. Supports Windows offline maps and works with MAGNET Field for GIS mapping.

## 3. SETUP

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### 3.1 Unpacking and Initial Inspection

Carefully remove the tablet and all accessories from the packaging. Inspect for any signs of damage. The package should include the tablet, charger, and any specified accessories.

### 3.2 Charging the Device

Before first use, fully charge the tablet using the provided charger. Connect the charger to the tablet's dedicated charging port. The charging indicator will typically illuminate during charging and change status when fully charged.

**If you run a small business and want enhanced functionality,  
Windows 10 Pro is the way to go.**

# Windows 10 Pro for Workstations

- Field Maintenance
- Automotive Diagnostics
- Construction Survey
- Navigation & Positioning
- Wild Daily Use

**Tablet Mode / PC Mode**

**An productivity tool to meet your mobile work demand**

Figure 3.1: Sealed ports on the Vanquisher SV-88H tablet, showing the HDMI, USB, and charging port covers.

### 3.3 Powering On/Off

- **To Power On:** Press and hold the power button located on the side of the tablet until the screen illuminates.
- **To Power Off:** Navigate to the Windows Start menu, select the Power icon, and choose 'Shut down'. Alternatively, press and hold the power button and follow the on-screen prompts.

### 3.4 Initial Windows 10 Pro Setup

Upon first power-on, you will be guided through the Windows 10 Pro setup process. This includes selecting your region, language, connecting to a Wi-Fi network, and creating a user account. Follow the on-screen instructions. Note that the tablet may initially be in Windows 10 Pro S mode, which can be switched out of if needed for full application compatibility.

### 3.5 Expanding Storage

The tablet supports expandable memory via a Micro SD card slot. Locate the sealed Micro SD card slot, open the cover, and insert a compatible Micro SD card. Ensure the cover is securely closed to maintain the device's IP67 rating.

## 4. OPERATING INSTRUCTIONS

### 4.1 Basic Navigation

The Vanquisher SV-88H features an 8-inch touch screen. Use gestures such as tap, swipe, pinch-to-zoom, and

press-and-hold for navigation within Windows 10 Pro. The tablet can also be used with an optional stylus for precise input or handwriting.



Figure 4.1: The tablet displaying Windows 10, demonstrating its functionality even with surface moisture.

## 4.2 Wireless Connectivity

- **Wi-Fi:** To connect to a Wi-Fi network, open the Action Center (swipe in from the right edge of the screen or click the icon in the taskbar), select the Wi-Fi icon, and choose your desired network. Enter the password if prompted.
- **Bluetooth:** To pair Bluetooth devices, go to 'Settings' > 'Devices' > 'Bluetooth & other devices'. Ensure Bluetooth is turned on and select 'Add Bluetooth or other device' to pair.

## 4.3 GPS/GNSS Functionality

The integrated U-blox GPS module (Neo-7 GNSS) allows for accurate positioning and navigation without requiring an internet connection. This is ideal for remote field work.

- **Offline Maps:** Utilize Windows offline map features by downloading maps for your required regions in advance.
- **GIS Mapping:** The tablet is compatible with applications like MAGNET Field for collecting land positioning data and performing GIS mapping. Refer to the specific software's documentation for detailed usage.



Figure 4.2: The tablet screen showing a list of open jobs, typical for field data collection applications.



Figure 4.3: The tablet displaying a coordinate system interface, essential for precise GPS and GIS applications.

#### 4.4 OTG Mode

The tablet supports On-The-Go (OTG) mode, allowing you to connect USB peripherals such as a mouse or

keyboard using a compatible adapter. This enhances usability for data entry or complex tasks.

## 5. MAINTENANCE

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### 5.1 Cleaning the Device

To clean the tablet, use a soft, damp cloth. For the screen, use a microfiber cloth specifically designed for electronics. Avoid harsh chemicals, abrasive cleaners, or excessive moisture. Ensure all port covers are securely closed before cleaning to prevent liquid ingress.

### 5.2 Battery Care

To maximize battery life and longevity:

- Avoid extreme temperatures.
- Do not allow the battery to fully discharge frequently.
- Use only the provided charger.
- If storing the tablet for an extended period, charge it to approximately 50% before storage.

### 5.3 Software Updates

Regularly check for and install Windows updates to ensure optimal performance, security, and compatibility. Go to 'Settings' > 'Update & Security' > 'Windows Update'.

### 5.4 Port Protection

Always ensure the protective covers for the HDMI, USB, and charging ports are securely sealed when not in use. This is crucial for maintaining the tablet's IP67 water and dust resistance.

## 6. TROUBLESHOOTING

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This section addresses common issues you might encounter with your Vanquisher SV-88H tablet.

Issue	Possible Cause	Solution
Tablet does not power on.	Low battery; device crash.	Connect to charger and allow to charge for at least 30 minutes. Attempt to power on again. If unresponsive, perform a hard reset by holding the power button for 10-15 seconds.
Wi-Fi or Bluetooth connectivity issues.	Wireless adapter off; driver issue; interference.	Ensure Wi-Fi/Bluetooth is enabled in Windows settings. Restart the tablet. Check for updated drivers via Windows Update. Move away from potential interference sources.
GPS not acquiring signal.	Obstructed view of sky; GPS module off; software issue.	Ensure you have a clear view of the sky. Check location services settings in Windows. Restart the tablet and any GPS-dependent applications.
Micro USB port connection is unstable.	Wear and tear; incorrect cable.	Ensure you are using the correct cable. Handle the port gently. If issues persist, consider using wireless alternatives (Bluetooth) or consult support.
Screen responsiveness issues.	Software lag; screen protector interference; dirty screen.	Clean the screen. Restart the tablet. Ensure no overly thick screen protectors are used. Check for Windows updates.

Issue	Possible Cause	Solution
Battery drains quickly.	High screen brightness; many background apps; aging battery.	Reduce screen brightness. Close unnecessary background applications. Check battery health in Windows settings.

## 7. SPECIFICATIONS

Below are the technical specifications for the Vanquisher SV-88H tablet:

Feature	Specification
Model Number	SV-88H
Operating System	Windows 10 Professional
Processor	Intel Atom X5-Z8350 Quad-core (1.8 GHz)
RAM	2 GB
Flash Memory Size	32 GB
Expandable Storage	Micro SD slot (up to 128 GB)
Screen Size	8 Inches
Screen Resolution	1280 x 800
Graphics Coprocessor	Intel HD Graphics
Wireless Type	802.11 bgn, Bluetooth 4.0
GPS	Integrated U-blox GPS module (Neo-7 GNSS)
Rear Webcam Resolution	5 MP
Battery Capacity	7500mAh Li-ion
Average Battery Life	Up to 8 Hours (usage dependent)
Item Weight	1.43 pounds
Product Dimensions (LxWxH)	8.66 x 0.47 x 5.51 inches
Ingress Protection (IP) Rating	IP67
Military Standard	MIL-STD-810G

## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Vanquisher website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

