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## Sunmi V1

# Sunmi V1 Handheld POS Terminal User Manual

Model: V1

## 1. INTRODUCTION

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This manual provides essential information for the proper use and maintenance of your Sunmi V1 Handheld POS Terminal. The Sunmi V1 is a portable Android-based point-of-sale device featuring a 5.5-inch display and an integrated 58mm thermal printer. It is designed for commercial environments requiring efficient transaction processing and receipt printing.

Key features include a high-speed thermal printer capable of printing at 75mm/second, low noise operation, and energy efficiency. The device supports a 40mm roll diameter for thermal paper, allowing for printing of over 5000 orders on a full charge.

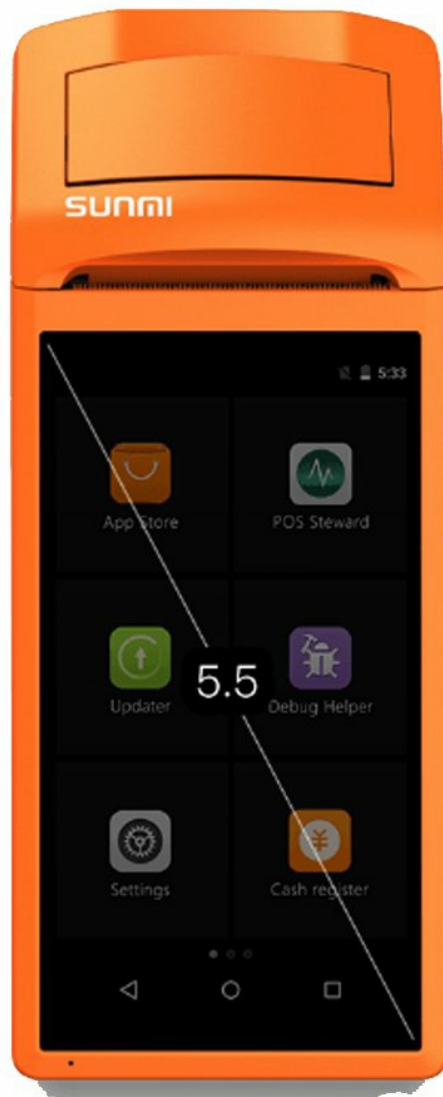
## 2. PRODUCT OVERVIEW

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The Sunmi V1 combines a handheld terminal with an integrated printer, offering a compact solution for various business needs.



**Figure 2.1:** Angled view of the Sunmi V1 Handheld POS Terminal, showcasing its orange and black design.



**Figure 2.2:** Front view of the Sunmi V1, displaying the 5.5-inch screen with various application icons such as App Store, POS Steward, Updater, Debug Helper, Settings, and Cash Register.

## 2.1. Main Components



**Figure 2.3:** Exploded view illustrating the internal structure of the Sunmi V1, including the screen, main board, battery compartment, and thermal printer mechanism.



**Figure 2.4:** Side view of the Sunmi V1, highlighting the SIM card slot, USB interface, microphone, and American Standard headset jack.



**Figure 2.5:** Side view of the Sunmi V1, indicating the side key for quick scanning and the open printer compartment with a thermal paper roll inserted.

## 2.2. Key Features

- **Integrated 58mm Thermal Printer:** High-speed printing for receipts and orders.
- **Android Operating System:** Provides a familiar and flexible platform for various POS applications.
- **5.5-inch Display:** Clear and responsive touchscreen for user interaction.
- **Portable Design:** Lightweight (450 Grams) and ergonomic for handheld use.
- **Connectivity:** Supports Wi-Fi and cellular networks (via SIM card slot) for seamless operation.
- **Scanning Function:** Dedicated side key for quick scanning operations.

## 3. SETUP

### 3.1. Initial Charging

Before first use, fully charge the device using the provided power adapter. Connect the USB cable to the device's USB interface and the adapter to a power outlet. The charging indicator will typically show the

charging status.

### 3.2. Inserting SIM Card (Optional)

1. Locate the SIM card slot on the side of the device (refer to Figure 2.4).
2. Carefully open the SIM card slot cover.
3. Insert the SIM card into the slot with the metal contacts facing down, ensuring it is correctly oriented.
4. Close the SIM card slot cover securely.

### 3.3. Loading Thermal Paper

1. Locate the printer compartment at the top of the device.
2. Gently push the release latch or button to open the printer cover (refer to Figure 2.5).
3. Insert a new roll of 58mm thermal paper into the compartment, ensuring the paper feeds from the bottom and the leading edge extends slightly out of the printer slot. The roll diameter should not exceed 40mm.
4. Close the printer cover firmly until it clicks into place.

### 3.4. Powering On/Off

- **To Power On:** Press and hold the power button (usually on the side) until the screen lights up.
- **To Power Off:** Press and hold the power button until a power-off menu appears on the screen. Select 'Power Off' and confirm.

## 4. OPERATING INSTRUCTIONS

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### 4.1. Basic Navigation

The Sunmi V1 operates on an Android platform. Use the touchscreen for navigation, tapping icons to open applications, swiping to scroll, and using the on-screen navigation buttons (Back, Home, Recent Apps) at the bottom of the display.

### 4.2. Connecting to Wi-Fi

1. From the home screen, swipe down from the top to access the quick settings panel, or go to **Settings > Network & Internet > Wi-Fi**.
2. Turn on Wi-Fi. The device will scan for available networks.



**Figure 4.1:** The Sunmi V1 screen displaying available Wi-Fi networks, with one network successfully connected.

3. Select your desired network and enter the password if prompted.
4. Once connected, the Wi-Fi icon will appear in the status bar.

### 4.3. Using the Integrated Printer

The 58mm thermal printer is designed for quick and efficient receipt printing. When an application sends a print command, the printer will automatically activate. Ensure thermal paper is loaded correctly (refer to Section 3.3).

### 4.4. Using the Scanning Function

The Sunmi V1 features a side key for quick scanning. Depending on the application, pressing this key will activate the device's scanner to read barcodes or QR codes. Ensure the scanning application is open and ready to receive input.

## 5. MAINTENANCE

### 5.1. Cleaning the Device

- Use a soft, dry, lint-free cloth to clean the exterior of the device.
- For the screen, use a screen-specific cleaning solution and a microfiber cloth. Avoid harsh chemicals or abrasive materials.
- Regularly clean the printer head with a specialized thermal printer cleaning pen or isopropyl alcohol on a cotton swab to ensure optimal print quality.

## 5.2. Battery Care

- Avoid exposing the device to extreme temperatures.
- Do not allow the battery to fully discharge for extended periods.
- Use only the original or certified compatible charger.

## 5.3. Operating Environment

The optimal operating temperature for the Sunmi V1 is between 0°C and 40°C. Operating outside this range may affect performance and device longevity.

# 6. TROUBLESHOOTING

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## 6.1. Device Not Powering On

- Ensure the battery is sufficiently charged. Connect the device to the charger and wait a few minutes before attempting to power on again.
- Check if the power button is stuck or damaged.

## 6.2. Printer Not Printing

- Verify that thermal paper is loaded correctly and that the roll is not empty.
- Ensure the printer cover is securely closed.
- Check the application settings to confirm that the print command is being sent.
- Clean the printer head if print quality is poor or inconsistent.

## 6.3. Wi-Fi Connectivity Issues

- Restart the device and your Wi-Fi router.
- Ensure you are within range of the Wi-Fi network.
- Verify that the Wi-Fi password is entered correctly.
- Try connecting to a different Wi-Fi network to isolate the issue.

## 6.4. Touchscreen Unresponsive

- Restart the device.
- Ensure the screen is clean and free of debris or moisture.
- If the issue persists, contact customer support.

# 7. SPECIFICATIONS

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Feature	Description
Brand	Sunmi
Model Number	V1
Controller Type	Android
Display Size	5.5 inches
Printing Technology	Thermal
Printer Output	Monochrome
Print Media	Labels (Thermal Paper)
Paper Roll Diameter	Max 40mm
Printing Speed	75mm/second
Special Feature	Portable
Colour	Orange
Item Weight	450 Grams
Compatible Devices	Smartphones (as a platform)
Hardware Interface	USB
Included Components	Thermal printer (device itself)
Operating Temperature	0 - 40°C

## 8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your vendor. If you encounter issues that cannot be resolved using the troubleshooting guide, please contact Sunmi customer support or your authorized service provider for assistance.

Keep your purchase receipt and product serial number readily available when contacting support.