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SUNMI V2SE

SUNMI V2SE Smart Mobile Terminal User Manual

Model: V2SE

1. INTRODUCTION

This manual provides instructions for the proper use and maintenance of the SUNMI V2SE Smart Mobile Terminal. The V2SE is a versatile device designed for various business applications, featuring an integrated 58mm thermal printer, 1D/2D barcode recognition, NFC capabilities, and running on Android 12.0.

Key features include:

- Integrated 58mm thermal printer with 80mm/s print speed.
- 1D/2D Barcode recognition for efficient scanning.
- NFC for contactless transactions.
- Android 12.0 operating system with a Quad Core 2.0 GHz CPU.
- 2 GB RAM and 8 GB ROM for smooth operation.
- Connectivity: 4G/3G/2G, 2.4G/5G Wi-Fi, Bluetooth 2.1/3.0/4.2.
- Removable Lithium Ion battery.

2. DEVICE COMPONENTS

Familiarize yourself with the main components of your SUNMI V2SE terminal.



Figure 2.1: Front and Side View. This image displays the device's screen, the integrated barcode scanner at the top, and the power and volume buttons located on the side.



Figure 2.2: Side View. This image shows the side profile of the terminal, including the cover for the SIM card slot and additional buttons.



Figure 2.3: Back View. This image illustrates the rear of the device, featuring the thermal printer cover, the 0.3 MP camera, and the charging contact points.

Component List:

- **Display Screen:** Touch-sensitive LCD for user interaction.
- **Barcode Scanner:** Integrated 1D/2D scanner for data capture.
- **Thermal Printer:** For printing receipts and other documents.
- **Power Button:** To turn the device on/off or wake/sleep.
- **Volume Buttons:** To adjust audio levels.
- **Camera:** 0.3 MP front photo sensor.

- **SIM Card Slot:** Supports 1 Nano SIM.
- **Battery Compartment:** Houses the removable Lithium Ion battery.
- **Charging Port/Contacts:** For charging the device.

3. INITIAL SETUP

3.1. Battery Installation

1. Ensure the device is powered off.
2. Locate the battery compartment cover on the back of the device (refer to Figure 2.3).
3. Remove the cover by sliding or lifting it according to the markings.
4. Insert the provided Lithium Ion battery, ensuring the contacts align correctly.
5. Replace the battery compartment cover securely.

3.2. SIM Card Installation

1. Ensure the device is powered off and the battery is installed.
2. Locate the SIM card slot cover on the side of the device (refer to Figure 2.2).
3. Open the cover.
4. Insert a Nano SIM card into the designated slot with the gold contacts facing down and the notched corner aligned.
5. Close the SIM card slot cover firmly.

3.3. Thermal Paper Loading

1. Locate the printer cover release latch, typically on the top or side of the printer compartment (refer to Figure 2.3).
2. Open the printer cover.
3. Insert a 58mm thermal paper roll into the compartment, ensuring the paper feeds from the bottom and the leading edge extends out of the printer slot.
4. Close the printer cover firmly until it clicks into place. Ensure there is no slack in the paper roll.

3.4. Initial Charging and Power On

1. Connect the provided power adapter to the device's charging port.
2. Plug the adapter into a power outlet. Allow the device to charge fully before first use.
3. To power on, press and hold the Power button (refer to Figure 2.1) until the SUNMI logo appears on the screen.

4. OPERATING INSTRUCTIONS

4.1. Power On/Off and Sleep Mode

- **Power On:** Press and hold the Power button until the device vibrates and the screen lights up.
- **Power Off:** Press and hold the Power button until a power menu appears. Select "Power Off" and confirm.
- **Sleep/Wake:** Briefly press the Power button to put the device into sleep mode or wake it up.

4.2. Using the Thermal Printer

The integrated 58mm thermal printer can be used to print receipts, tickets, and other documents.

1. Ensure thermal paper is correctly loaded (refer to Section 3.3).
2. Open the application that requires printing (e.g., POS software).
3. Initiate the print command within the application. The device will automatically print the content.
4. Tear off the printed paper against the serrated edge.

4.3. Barcode Scanning

The V2SE supports 1D and 2D barcode recognition.

1. Open an application that requires barcode input.
2. Point the scanner window (located at the top of the device, refer to Figure 2.1) at the barcode.
3. Press the dedicated scan button (if available) or trigger the scan function within the application.
4. Ensure the barcode is within the scanner's field of view and well-lit for optimal performance.

4.4. NFC Functionality

The device supports Near Field Communication (NFC) for contactless operations.

1. Ensure NFC is enabled in the device settings (Settings > Connected devices > NFC).
2. Open an application that utilizes NFC (e.g., payment app, data transfer app).
3. Hold the NFC-enabled card or device close to the NFC detection area on your terminal (typically near the top or back of the device).
4. Follow the on-screen prompts to complete the transaction or data transfer.

4.5. Network Connectivity

- **Wi-Fi:** Go to Settings > Network & internet > Wi-Fi to connect to available wireless networks.
- **Mobile Data (4G/3G/2G):** Ensure a valid SIM card is installed and mobile data is enabled in Settings > Network & internet > Mobile network.
- **Bluetooth:** Go to Settings > Connected devices > Bluetooth to pair with other Bluetooth devices.

5. MAINTENANCE

5.1. Cleaning the Device

- Power off the device before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive cleaner to wipe the exterior.
- For the display, use a screen-specific cleaner and a microfiber cloth.
- Do not use harsh chemicals, solvents, or abrasive materials. Avoid spraying liquids directly onto the device.

5.2. Battery Care

- Charge the battery regularly, avoiding complete discharge whenever possible.
- Do not expose the battery to extreme temperatures.
- If the device will not be used for an extended period, charge the battery to about 50% and store it in a cool, dry place.
- Use only the original or approved charger and battery.

5.3. Printer Head Cleaning

Regular cleaning of the printer head can prevent print quality issues.

1. Power off the device and open the printer cover.
2. Use a cotton swab lightly dampened with isopropyl alcohol to gently wipe the thermal print head.
3. Allow the print head to dry completely before closing the cover and powering on the device.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on	Low battery; Faulty battery; Power button issue	Charge the device for at least 30 minutes. Ensure battery is correctly installed. Try a different charger.
Printer not printing	No paper; Paper jammed; Printer head dirty; Application error	Check and load paper. Clear any paper jams. Clean the printer head (Section 5.3). Restart the application or device.
Barcode scanner not working	Scanner window obstructed; Barcode damaged; Application error	Ensure scanner window is clean. Try scanning a different barcode. Restart the application or device.
No Wi-Fi connection	Wi-Fi off; Incorrect password; Out of range	Enable Wi-Fi in settings. Re-enter password. Move closer to the Wi-Fi router.
No mobile data	SIM card not installed; Mobile data off; No network coverage	Check SIM card installation. Enable mobile data in settings. Check for network coverage in your area.

7. SPECIFICATIONS

Feature	Detail
Model	V2SE
Operating System	Android 12.0
CPU	Quad Core 2.0 GHz
RAM	2 GB
ROM	8 GB
Display	LCD, 1920 x 1080 resolution, 16:9 Aspect Ratio
Printer	58 mm thermal printer, 80 mm/s print speed
Barcode Recognition	1D / 2D Barcode recognition
Camera	0.3 MP Front Photo Sensor
SIM Slot	1 Nano SIM (Dual SIM support)
Connectivity	4G/3G/2G Cellular, Wi-Fi (2.4G/5G), Bluetooth 2.1/3.0/4.2, NFC
GPS	True, Supports GPS satellite navigation system
Battery	1 Lithium Ion battery (removable, included)
Dimensions	22 x 9 x 9 cm
Weight	400 g
Manufacturer	SUNMI

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact your vendor. Keep your proof of purchase for warranty claims.