



CASTLES TECHNOLOGY

S1F3 POS Terminal

Book 2

User Manual

S1F3

Version 1.1

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Revision History

<i>Version</i>	<i>Date</i>	<i>Descriptions</i>	<i>Author</i>
1.0	2023.05.26	Initial creation.	Dustin
1.1	2024.02.22	Modify appendix.	Yao

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1. Introduction

This document provides a guideline for operating and configuring Castles S1F3 terminal.

The scope of this document includes setting up the terminal, basic operation, application lifecycle, and some advanced features.

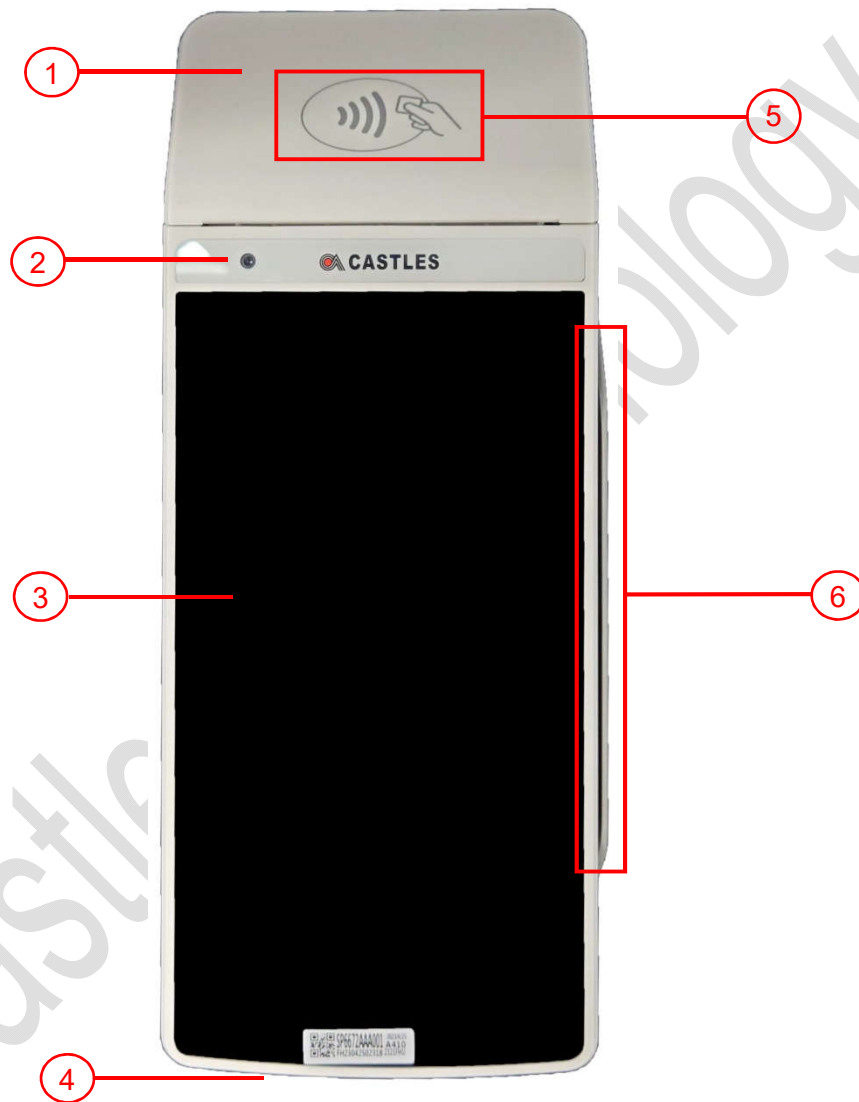
Regulatory instruction of usage

- Before using the terminal, please check has it been disassembled, modified, or showed abnormal situation. If yes, please do not use.
- Please stay away from strong electromagnetic waves.
(Example) Microwave ovens, magnets, shoplifting prevention devices, high-voltage wires, automatic doors, communication antennas, etc.
- Condensation can occur when moving from a cold place to a warm place. If condensation occurs, do not use the unit until the connected water droplets evaporate.
- Static electricity may occur in some places (such as where you use a carpet).
- Please do not leave it in the sun for a long time.
- Please operate the unit carefully as it is a precision instrument. Do not apply impact, drop or heavy objects on top of the unit.
- Do not attach dust, oil, etc. to a part of the power terminal. Also, please do not scratch.
- Before using the terminal, please check has it been disassembled, modified, or showed abnormal situation. If yes, please do not use. And to restore the battery cover of the equipment before operation.

2. Hardware Setup

2.1. Parts of the Terminal

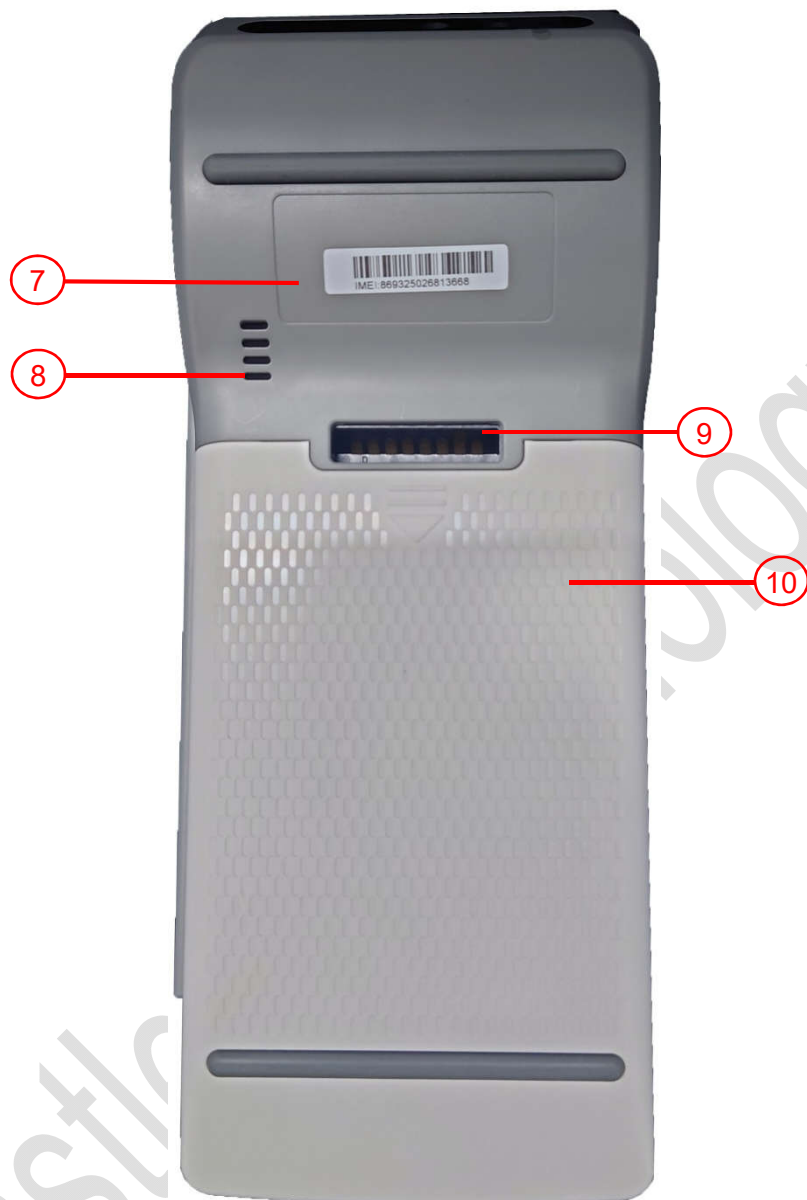
Front



- 1. Paper Roll Box
- 2. Front Camera
- 3. LCD Display

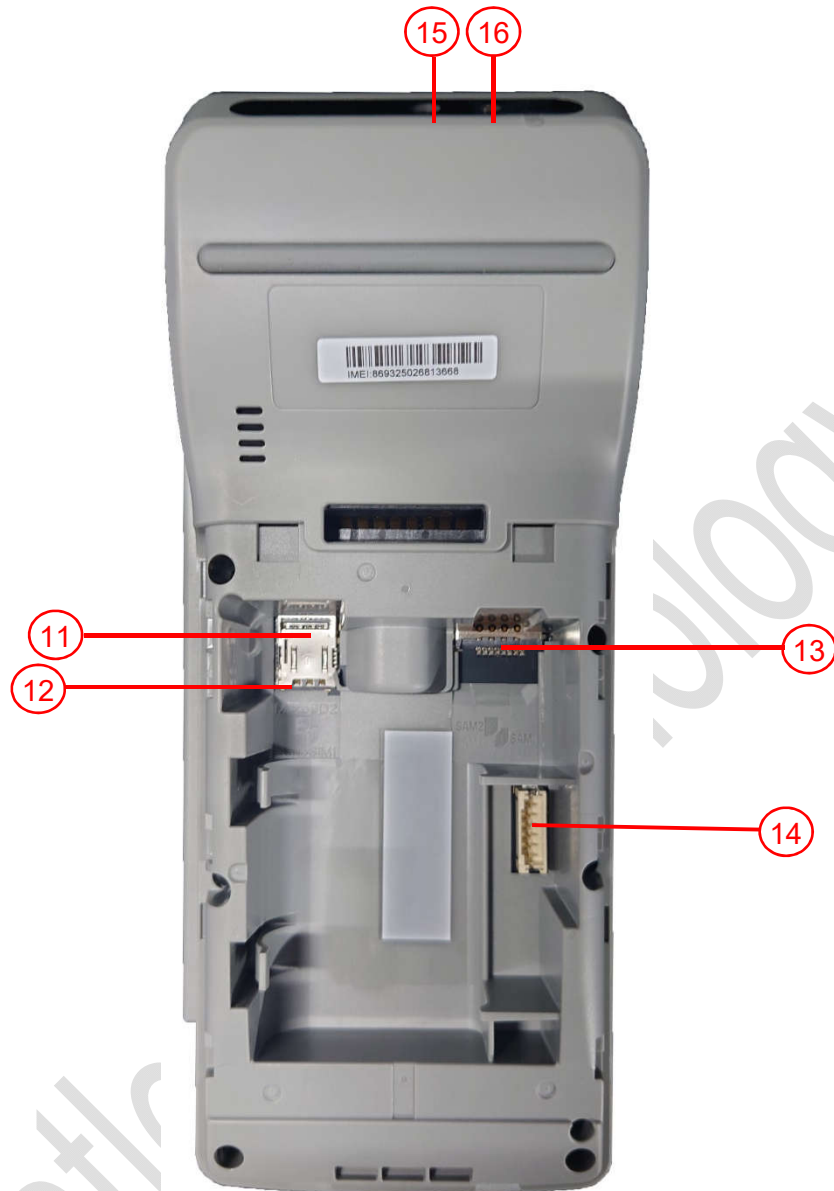
- 4. Smart Card Reader
- 5. Contactless Card Landing Zone
- 6. Magnetic Stripe Reader

Rear



- 7. Product label
- 8. Speaker
- 9. The Connector of cradle charger
- 10. Rechargeable battery cover

Rear



- 11. Micro SD Card Slot**
- 12. WCDMA & LTE SIM card slot**
- 13. SAM slots 1-2**
- 14. Battery cable connector**
- 15. Camera**
- 16. Photo-flash**

Left side



17. DC Jack

18. USB Type C slot

19. Power Button

20. Microphone

2.2. Insert SAM Card



Bottom: SAM 1
Upper: SAM 2

Step 1: Remove battery cover and battery

Step 2: Insert SAM card into the desired slot.



SAM 1 & 2:

Gold contact is on the lower side of the card and facing down.

Step 3: Reverse the operation of step 1 to install the battery cover.

2.3. Insert SIM Card



Step 1: Slide down to remove battery cover/back cover.

Step 2: Open SIM socket and insert SIM card into the desired slot.



SIM 1:

Gold contact is on the lower side of the card and facing down.

Step 3: Reverse the operation of step 1 to install the battery cover.

2.4. Insert Micro SD Card



Insert the Micro
SD Card

Step 1: Slide down to remove battery cover/back cover.

Step 2: Insert Micro SD card into the desired slot.

2.5. Insert Paper Roll



Step 1: Pull up the paper roll box handle.

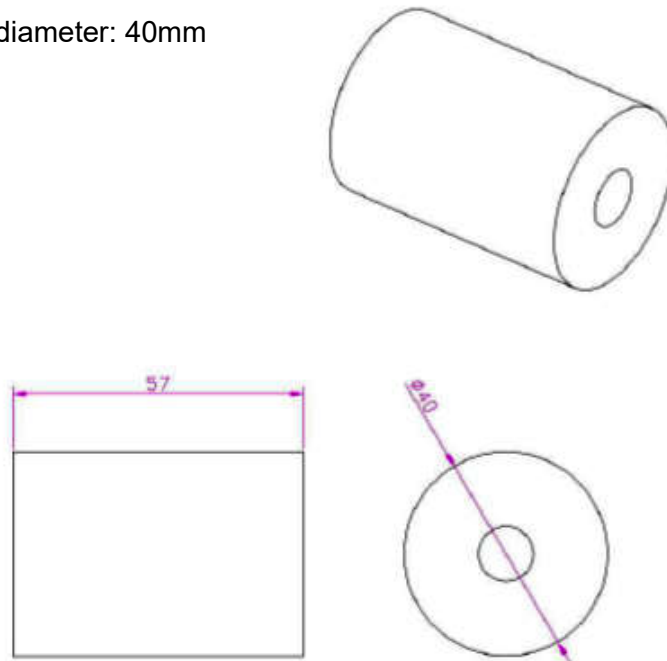
Step 2: Open paper roll cover gently.

Step 3: Insert paper roll as the direction shown.

Paper specification

Width: 57mm

Outside diameter: 40mm



3. Appendix

3.1. FCC

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement:

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the United States.

The exposure standard for wireless employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.

The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

During SAR testing, this device was set to transmit at its highest certified power level in all tested frequency bands, and placed in positions that simulate RF exposure in usage against the head with no separation, and near the body with the separation of 10 mm.

3.2. IC

Industry Canada statement

This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Radiation Exposure Statement:

This EUT is in compliance with SAR for general population/uncontrolled exposure limits in ISED RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 10 mm between the radiator and your body.

The device is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range.

Déclaration d'exposition aux radiations:

Cet appareil est conforme aux limites d'exposition DAS incontrôlée pour la population générale de la norme CNR-102 science de l'innovation et le développement économique Canada et a été testé en conformité avec les méthodes de mesure et procédures spécifiées dans IEEE 1528 et IEC 62209. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur. Cet appareil doit être installé et utilisé avec une distance minimale de 10mm entre l'émetteur et votre corps.

L'appareil est réservé à l'intérieur seulement lorsqu'il fonctionne dans la gamme de fréquences 5150 à 5250 MHz.

3.3. UL / IEC 62368-1

- **Warning:**

Power cord shall be connected to a socket-outlet with earthing connection.

- **Warning:**

Risk of explosion if battery is replaced by an incorrect type. Dispose of expended battery in accordance with local disposal regulations.

- **Warning:**

This product is intended to be supplied by a Listed Power Adapter "L.P.S." (Or "Limited Power Source") and is rated at 5 Vdc, 2 A min., Tma = 40 degrees C.

- **Attention:**

le cordon d'alimentation doit être branché sur une prise secteur avec mise à la terre.

- **Attention:**

Risque d'explosion si la batterie est remplacée par une de type incorrect Éliminer la pile usagée conformément à la réglementation locale en vigueur.

- **Attention:**

Le produit est destiné à être alimenté par un adaptateur secteur répertorié « L.P.S. » (ou "Source d'alimentation limitée") et est évalué à 5 Vdc, 2 A min., Tma = 40 degrés C.

~ END ~