



# CASTLES TECHNOLOGY

*V3CT3(2.4) POS Terminal*

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*Book 2*

*User Manual*

*V3CT3(2.4)*

**Confidential**

*Version 1.0*

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**CRT-V3-09-02-V1.0-CE-CB-FCC-IC-UL**

**Castles Technology Co., Ltd.**

6F, No. 207-5, Sec. 3, Beixin Rd., Xindian  
District, New Taipei City 23143, Taiwan R.O.C.

<http://www.castech.com.tw>

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## Revision History

<b><i>Version</i></b>	<b><i>Date</i></b>	<b><i>Descriptions</i></b>	<b><i>Author</i></b>
1.0	2023.11.06	Initial creation	Yao

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# 1. Introduction

This document provides a guideline on operating and configuring Castles V3CT3(2.4) terminal.

The scope of this document includes setting up the terminal, basic operation, application life cycle, and some advance 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.

## 2. Hardware Setup

### 2.1. Parts of the Terminal

Front



- 1. LCD Display (Color TFT)
- 2. Keypad
- 3. Smart Card Reader
- 4. LED Indicator

- 5. Magnetic Stripe Reader
- 6. Contactless Card Landing Zone
- 7. Paper Roll Handle

Rear



- 8. Com Port 2
- 9. Modem Port  
(Reserved for engineering usage only)
- 10. USB Port 1 (Type C)  
(Data transmission only)
- 11. USB Port 2 (Micro USB)  
(5Vdc, 0.5A max.)
- 12. Product Label

- 13. DC Jack
- 14. Com Port 1
- 15. Back Cover
- 16. Micro SD Card Slot
- 17. SAM Card Slots 1-2

Left side



Right side



## 2.2. Inserting the SAM Card



Step 1: Remove back cover.

Step 2: Insert SAM card into desire slot.



SAM 1 & 2

Gold contact at upper side of card and facing down.

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



## 2.3. Inserting the Memory card



Step 1: Remove back cover.

Step 2: Insert Micro SD memory card.

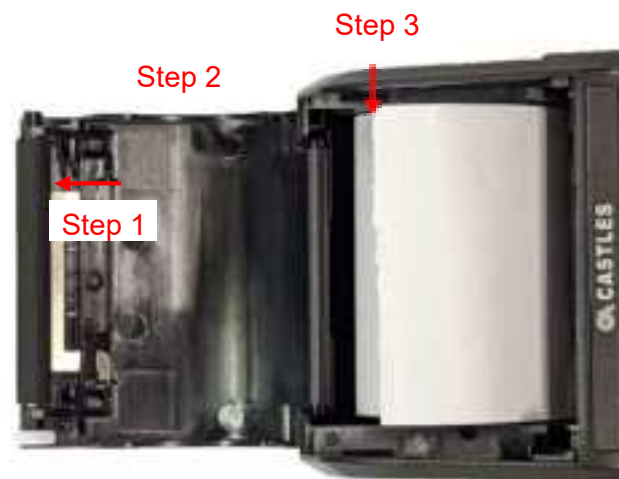


Micro SD:

Gold contact at lower side of card and facing down.

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

## 2.4. Inserting the Paper Roll



Step 1: Pull up paper roll box handle.

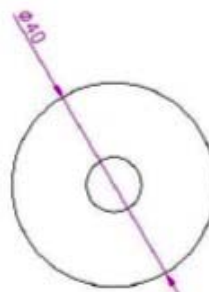
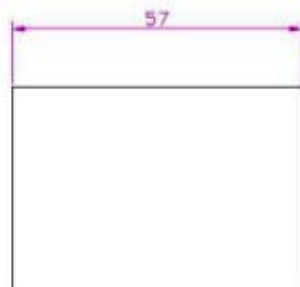
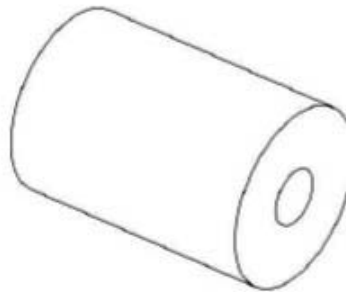
Step 2: Gentle open paper roll cover.

Step 3: Insert paper roll as direction showed.

### **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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.

## 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 equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the radiator & your body.

### **Déclaration d'exposition aux radiations:**

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20cm entre le radiateur et votre corps.

### 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 9 Vdc, 4.5 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 9 Vdc, 4.5 A min., Tma = 40 degrés C.
- CAUTION:  
To reduce the risk of fire, use only 26 AWG or larger(e.g., 24AWG) UL Listed Telecommunication line cord.

~END~