



CASTLES TECHNOLOGY

S2L POS Terminal

Book 2

User Manual

S2L

Version 1.1

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CRT-S2-01-02-V1.1-CE-FCC-IC-UL-CB

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Revision History

Version	Date	Descriptions	Author
1.0	2023.09.13	Initial creation.	Robin
1.1	2023.11.27	Add Wifi/BT connection operation Modify appendix	Yao

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1. Introduction

This document provides a guideline for operating and configuring Castles S2L 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.
- Power supplied by SATURN-PX by Castles Technology with 12V input only.
- Operation temperature is 0 °C~50 °C.

2. Hardware Setup

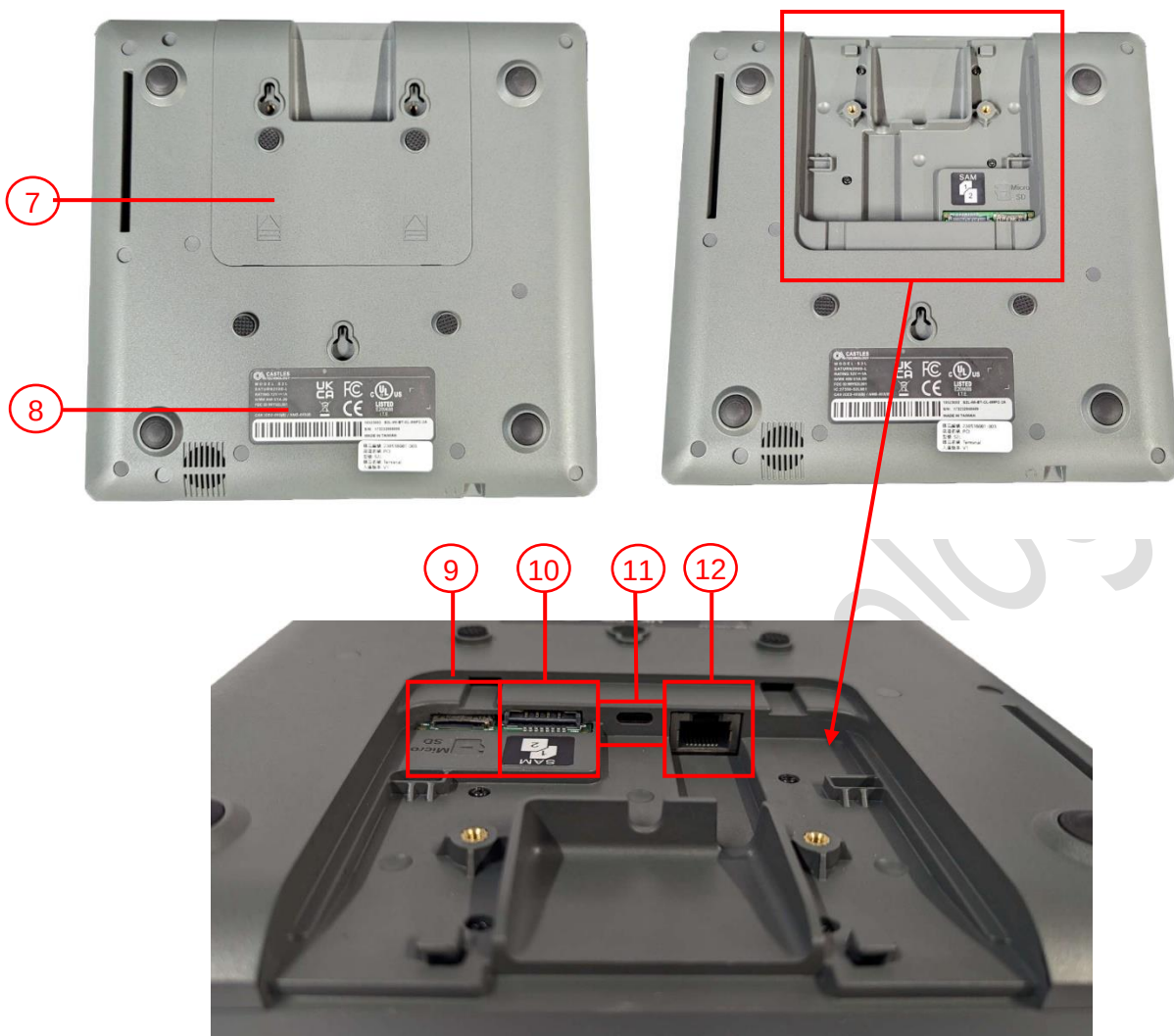
2.1. Parts of the Terminal

Front



- | | |
|-------------------------------------|----------------------|
| 1. LCD display | 5. Keypad |
| 2. LED Indicator | 6. Smart Card Reader |
| 3. Contactless Card
Landing Zone | |
| 4. Front camera | |

Rear

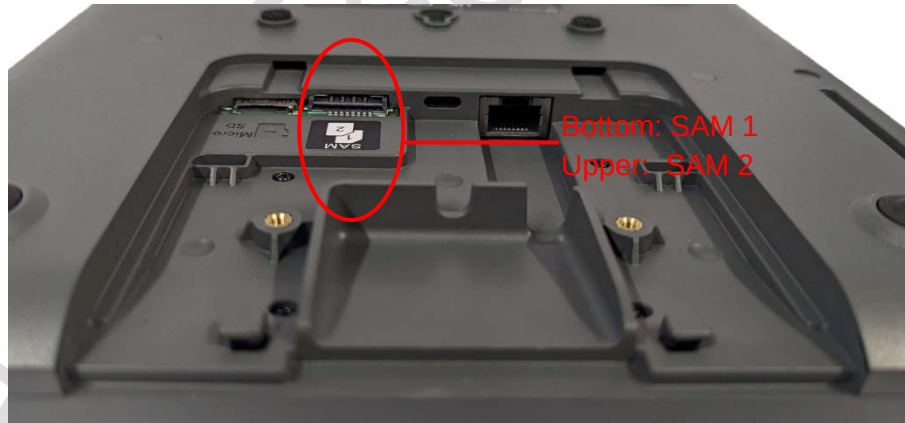


- 7. Back cover
- 8. Product label
- 9. Micro SD Card Slot
- 10. SAM Card slots 1-2
- 11. USB Type C
- 12. Com Port



13. Magnetic Stripe Reader

2.2. Insert SAM Card

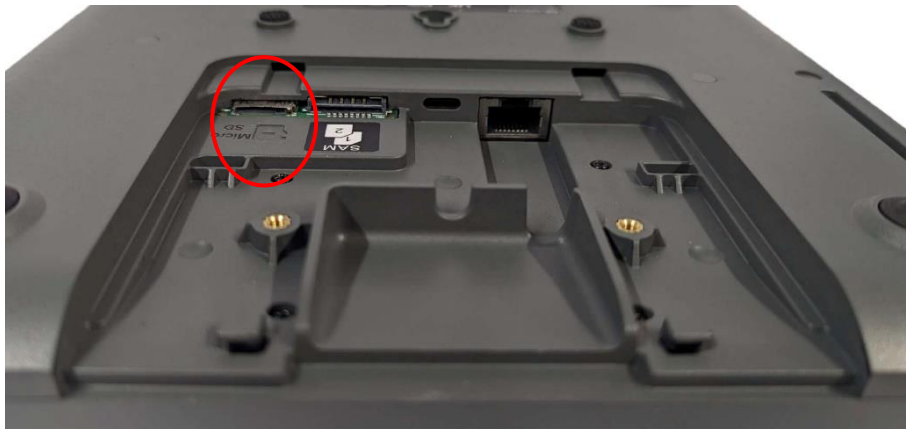


Step 1: Remove the back cover.

Step 2: Insert SAM card into the desired slot.

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

2.3. Insert Micro SD Card



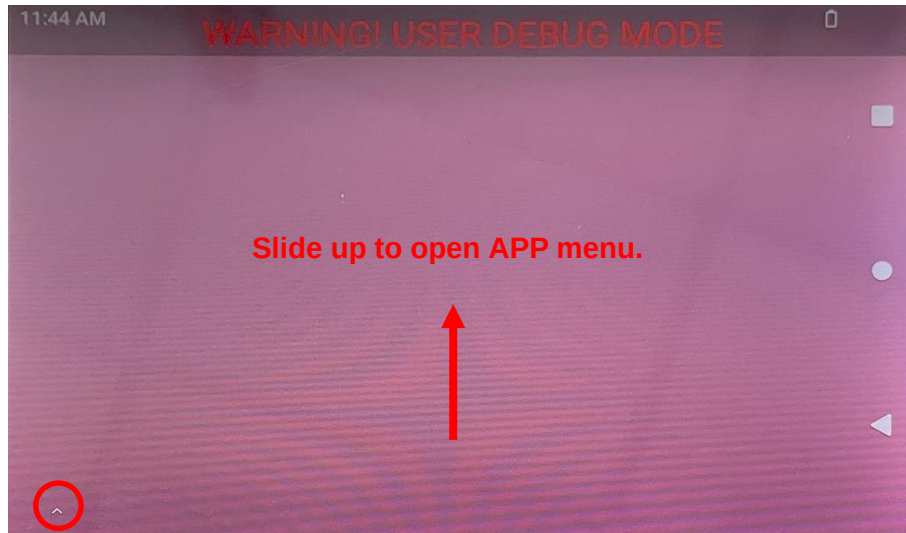
Step 1: Remove the back cover.

Step 2: Place the Micro SD memory card.

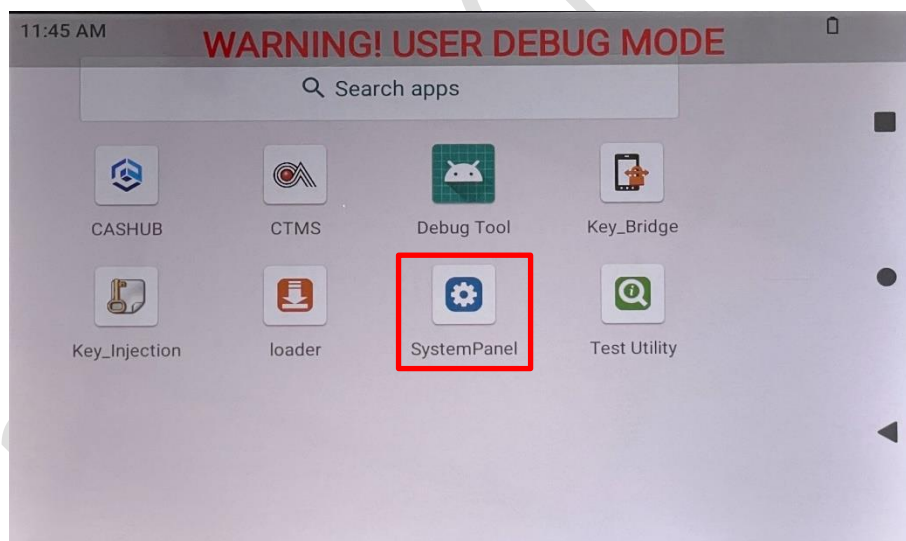
Step 3: Reverse the operation of step 1 to install the back cover.

3. Basic Operation

3.1. WIFI connection



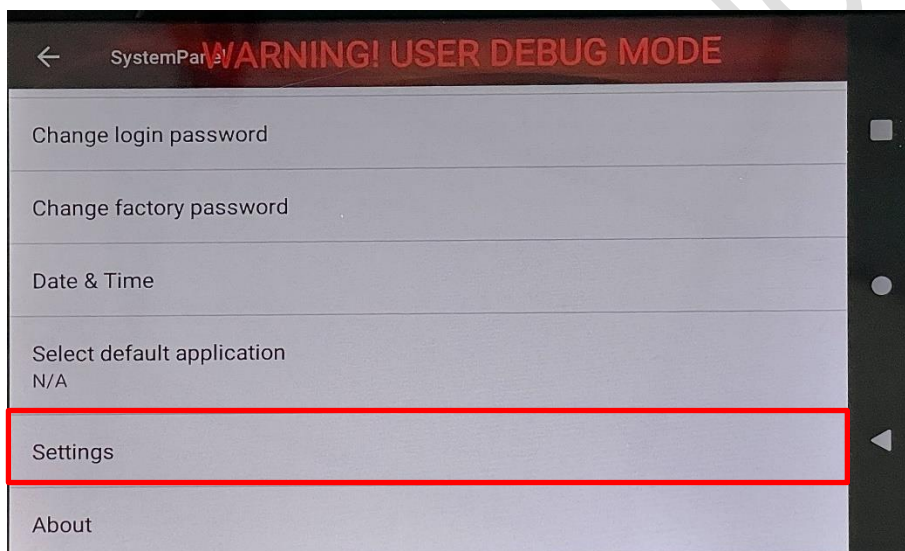
1. Slide up to view all the applications in the terminal.



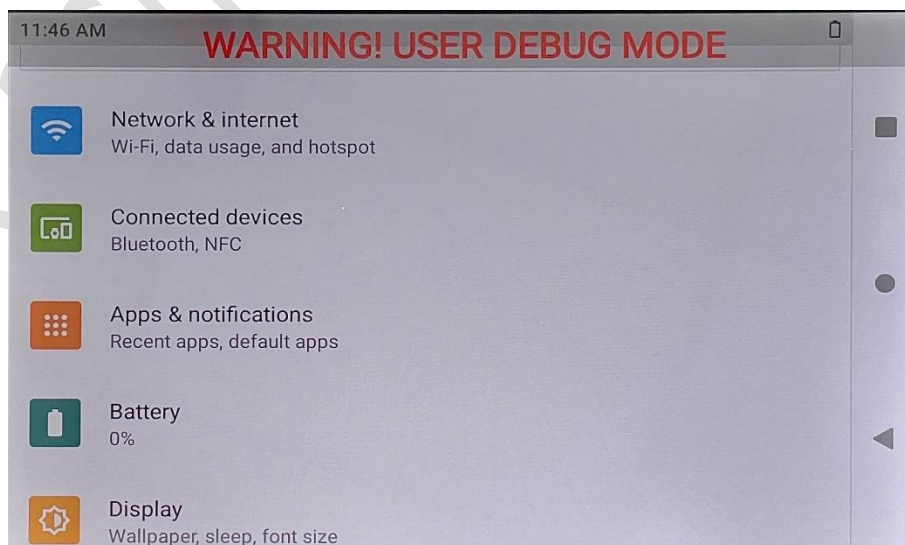
2. Click **SystemPanel**.



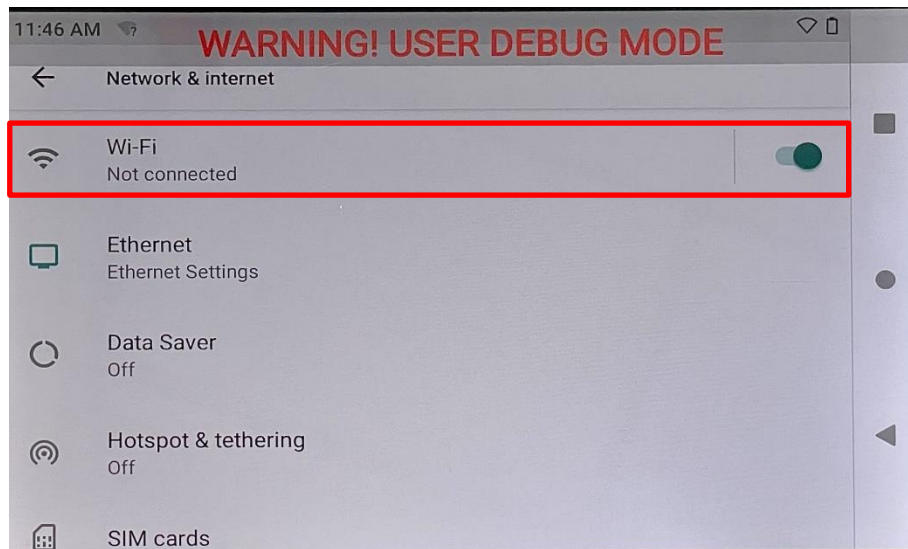
3. Input **first password** and **second password**.



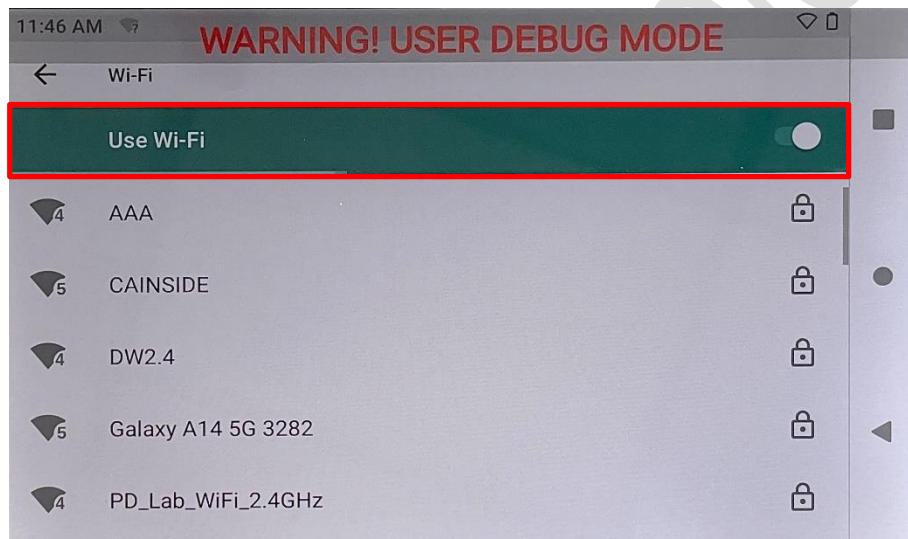
4. Click **Settings**.



5. Click **Network & internet**



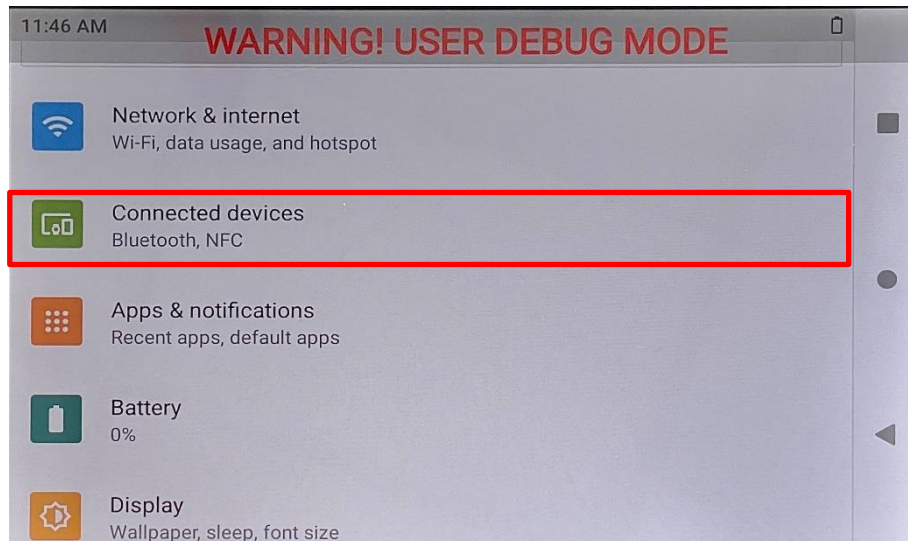
6. Click **Wi-Fi**



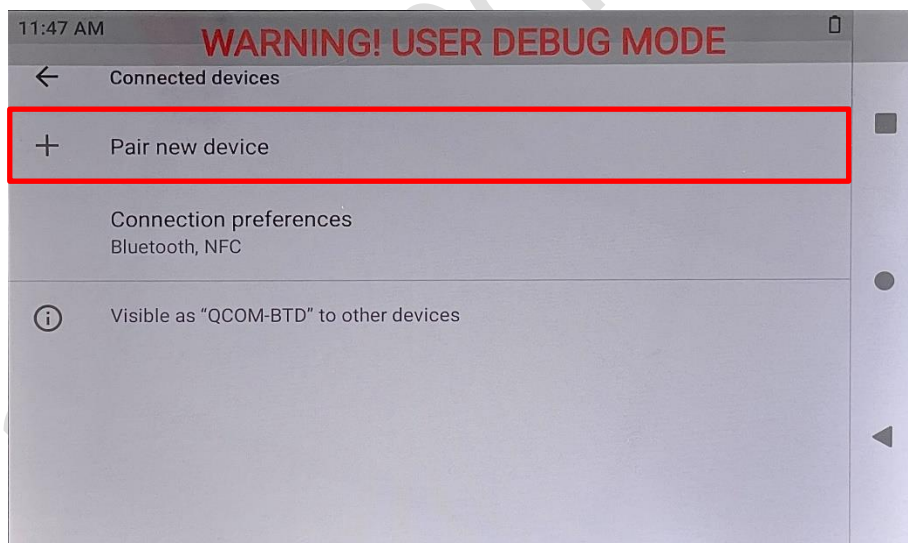
7. Enable **Wi-Fi** and select desired Wi-Fi SSID.

3.2. Bluetooth connection

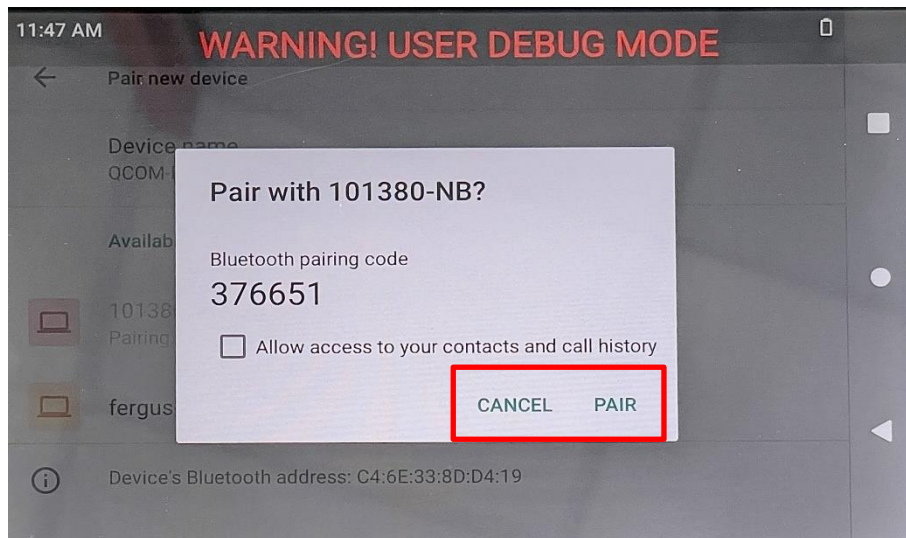
1. Repeat the step 1 to 4 in Wi-Fi connection.



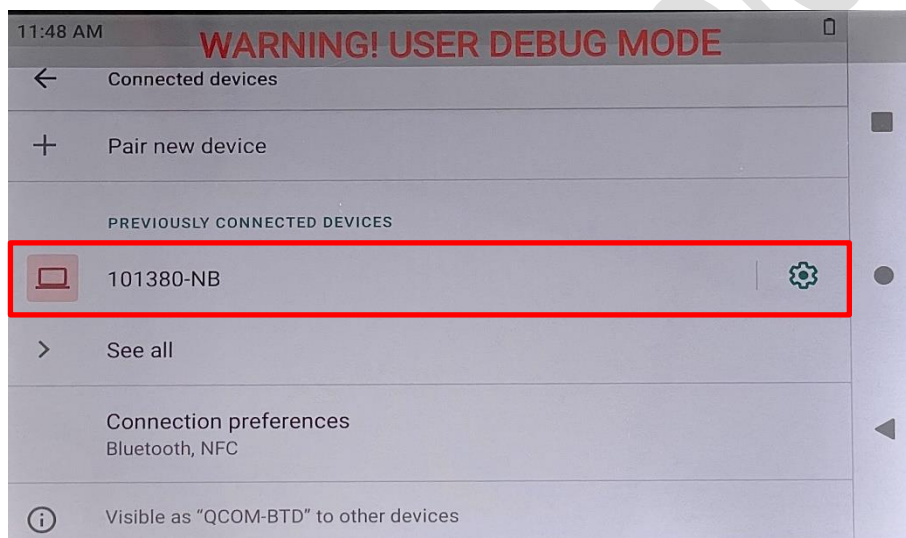
2. Click **Connected devices**



3. Click **Pair new device**



4. Confirm for access.



5. Check for the result.

4. Appendix

4.1. 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.
- Operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

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.

4.2. 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.

Caution :

- (i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

Avertissement:

Le guide d'utilisation des dispositifs pour réseaux locaux doit inclure des instructions précises sur les restrictions susmentionnées, notamment :

- (i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- (ii) lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, énoncée à la section 6.2.2.3, doivent être clairement indiqués.

4.3. UL / IEC 62368-1

- **Warning:**

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

- **Warning:**

This product is intended to be supplied by a Listed Power Adapter "L.P.S." (Or "Limited Power Source") and is rated at 12 Vdc, 1 A min., Tma = 40 degrees C.

- **Warning:**

The equipment is only suitable for mounting wall at height $\leq 2m..$

- **Attention:**

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

- **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 12 Vdc, 1 A min., Tma = 40 degrés C.

- **Attention:**

L'équipement ne convient que pour un montage mural à une hauteur $\leq 2 m..$