

2.8 Secure login by RFID/ NFC credentials

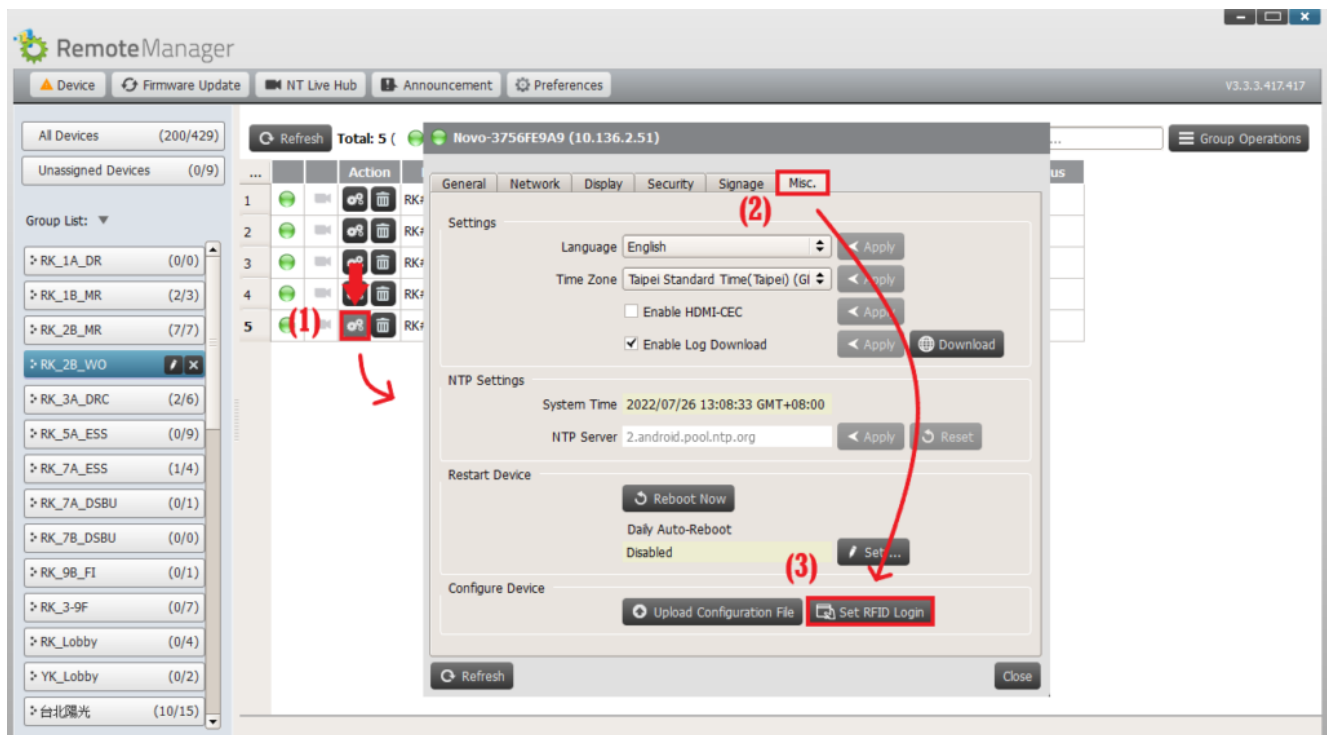
This function is only applicable for NovoTouch EK-2/ EK-3 series.

In this article, we will guide you how to configure RFID/ NFC credential step by step.

Add/ Remove login credential

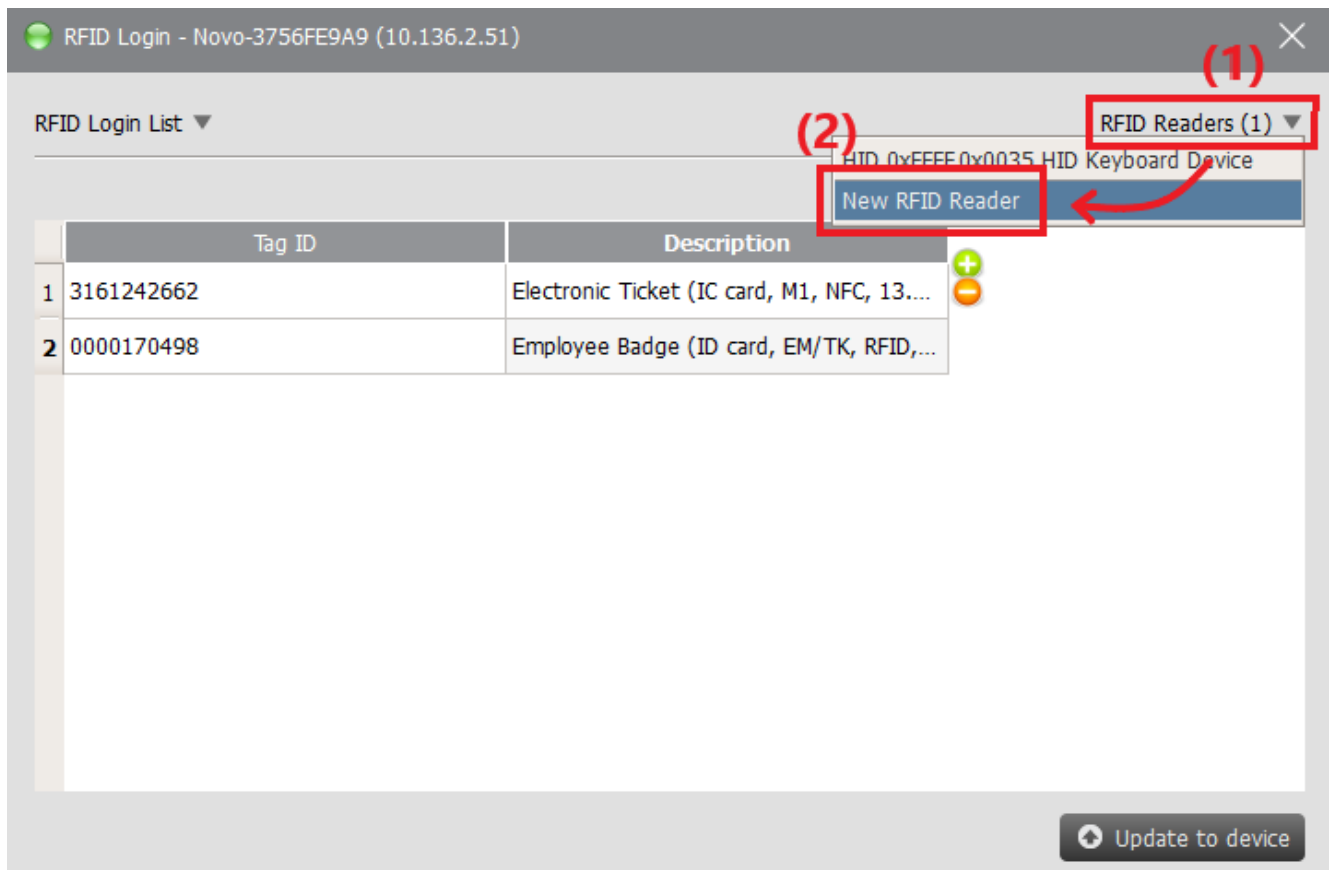
RFID/ NFC card must be registered by **Novo RemoteManager**, and uploaded to the Novo device before you can unlock the device.

Step.1 Connect RFID/ NFC card reader to your PC, and run “**Novo RemoteManager**”, select the device you want to configure then click on “**Settings**”. Click on “**Misc.**” then “**Set RFID Login**”.

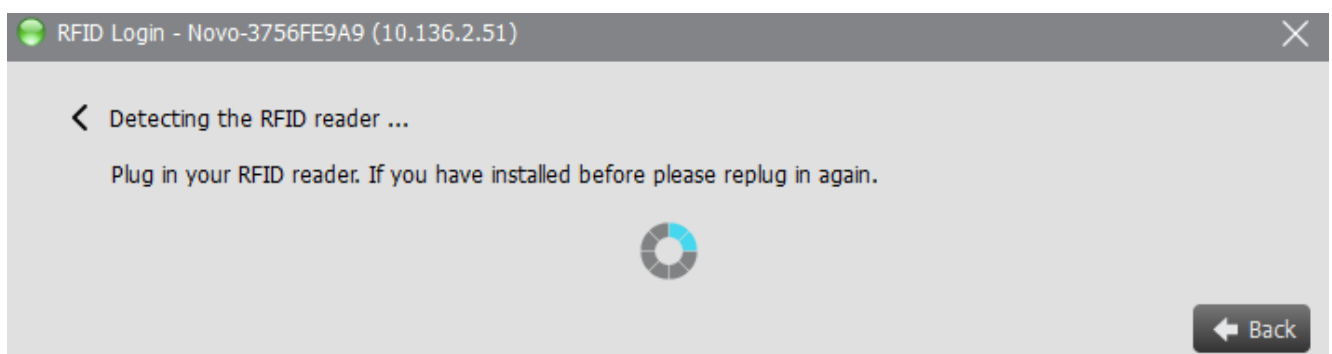


Set RFID/ NFC login

Step.2 Add card reader by clicking “**RFID readers**” at the top-right corner of the page, then “**New RFID Reader**”. Follow the message prompt, and connect your card reader into laptop’s USB port.



Add new RFID/ NFC reader



RFID/ NFC reader detection

Step.3 Click on “+” or “-” to add* or remove card/ tag credentials, and swipe your card/ tag over the reader, ID (Number) will display in the Login ID list*, you can also manually input the numbers if you have. Then click “**Upload to device**” when insertion is completed.

- New empty field will also be inserted automatically when Tag ID is registered.
- You will have to manually click the field of Tag ID at the first time set up.

The screenshot shows the 'RFID Login' application window. At the top, it says 'RFID Login - Novo-3756FE9A9 (10.136.2.51)'. Below the title bar, there are two dropdown menus: 'RFID Login List' and 'RFID Readers (1)'. A search icon and 'Total: 2' are on the right. The main area contains a table with two columns: 'Tag ID' and 'Description'. The table has three rows. The first row has '1' in the first column, '3161242662' in the second, and 'Electronic Ticket (IC card, M1, NFC, 13....' in the third. The second row has '2' in the first column, '0000170498' in the second, and 'Employee Badge (ID card, EM/TK, RFID, ...' in the third. The third row has '3' in the first column, an empty field in the second, and an empty field in the third. A red box with a green plus sign is in the third row's third column, labeled (1). A red arrow points from (1) to the empty field in the second column of the third row, labeled (2). Another red arrow points from (1) to the empty field in the third column of the third row, labeled (3). Below the table, there are two red text annotations: 'Card number will be displayed here, when it swipes through the reader.' pointing to (2), and 'You can make notes here.' pointing to (3). At the bottom right, there is a button labeled 'Update to device'.

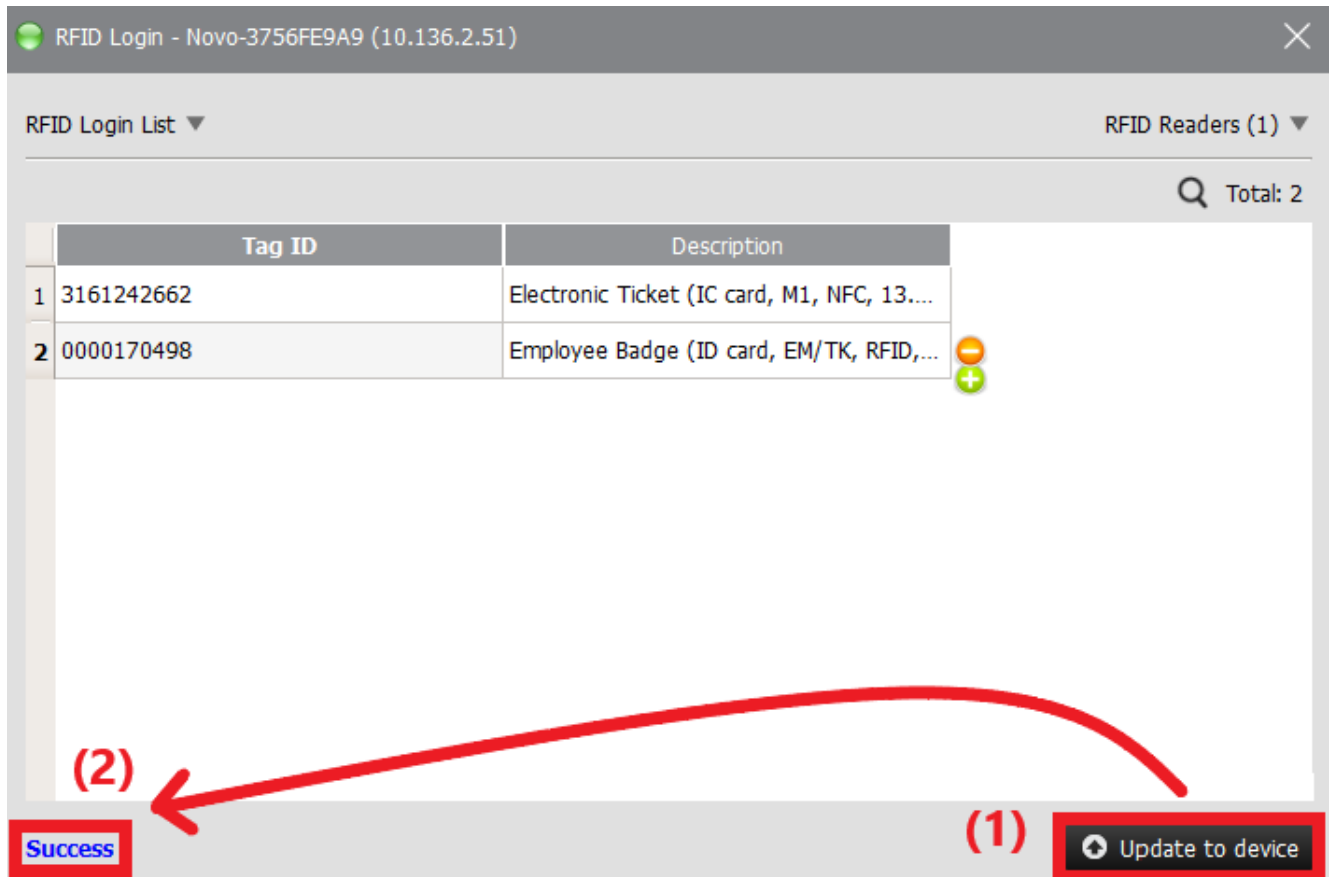
	Tag ID	Description
1	3161242662	Electronic Ticket (IC card, M1, NFC, 13....
2	0000170498	Employee Badge (ID card, EM/TK, RFID, ...
3	(2)	(3)

Card number will be displayed here, when it swipes through the reader.

You can make notes here.

Update to device

Insert new row for adding credentials



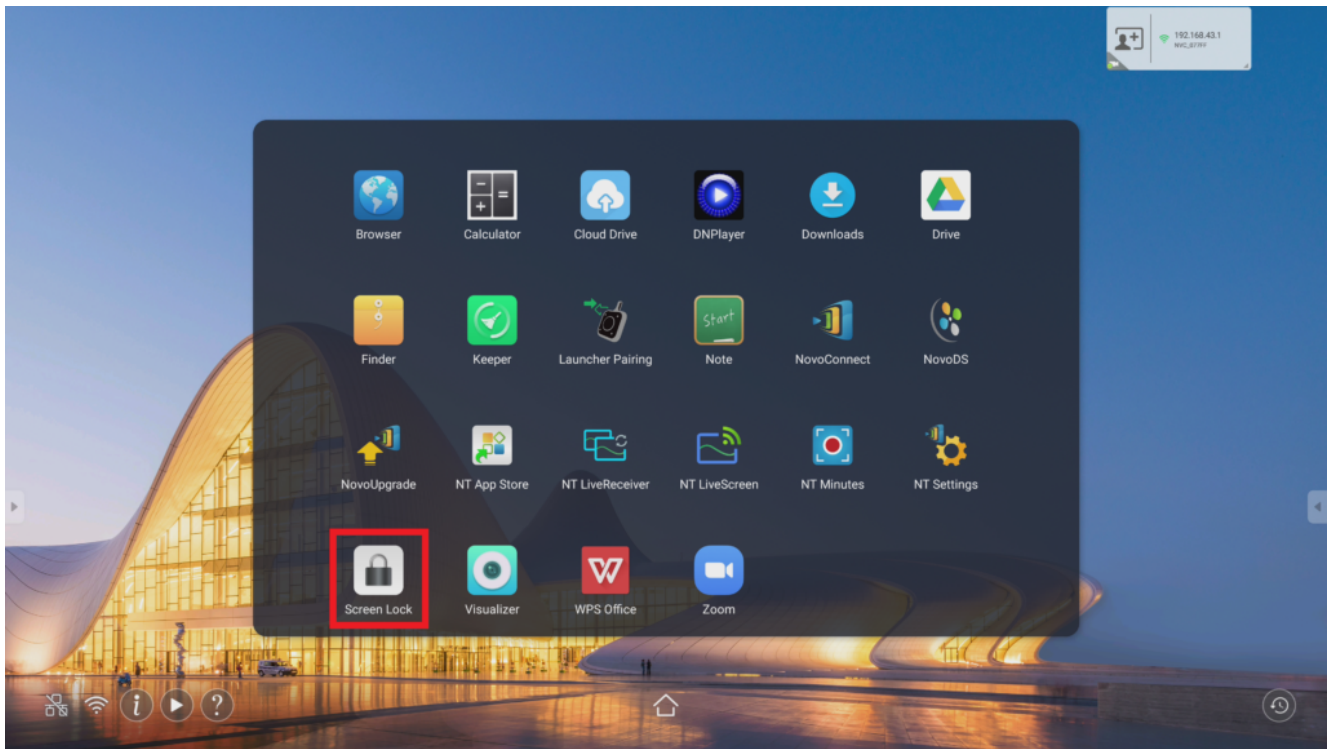
Credentials uploading and result

Lock and Unlock the device

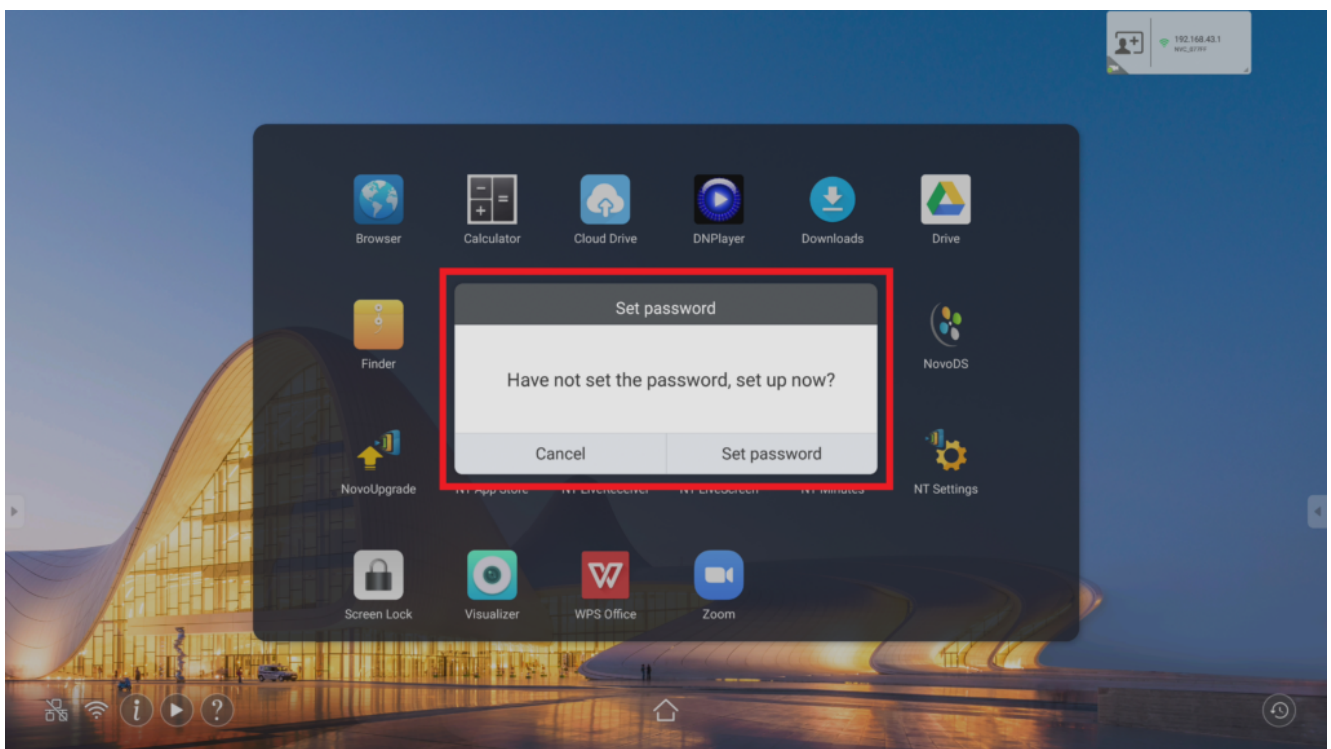
RFID and NFC are using different frequencies, make sure the card matches with the reader.

Step.1 Connect RFID/ NFC reader into the front USB port or side USB port of NovoTouch. Generally, it will beep after the reader is connected.

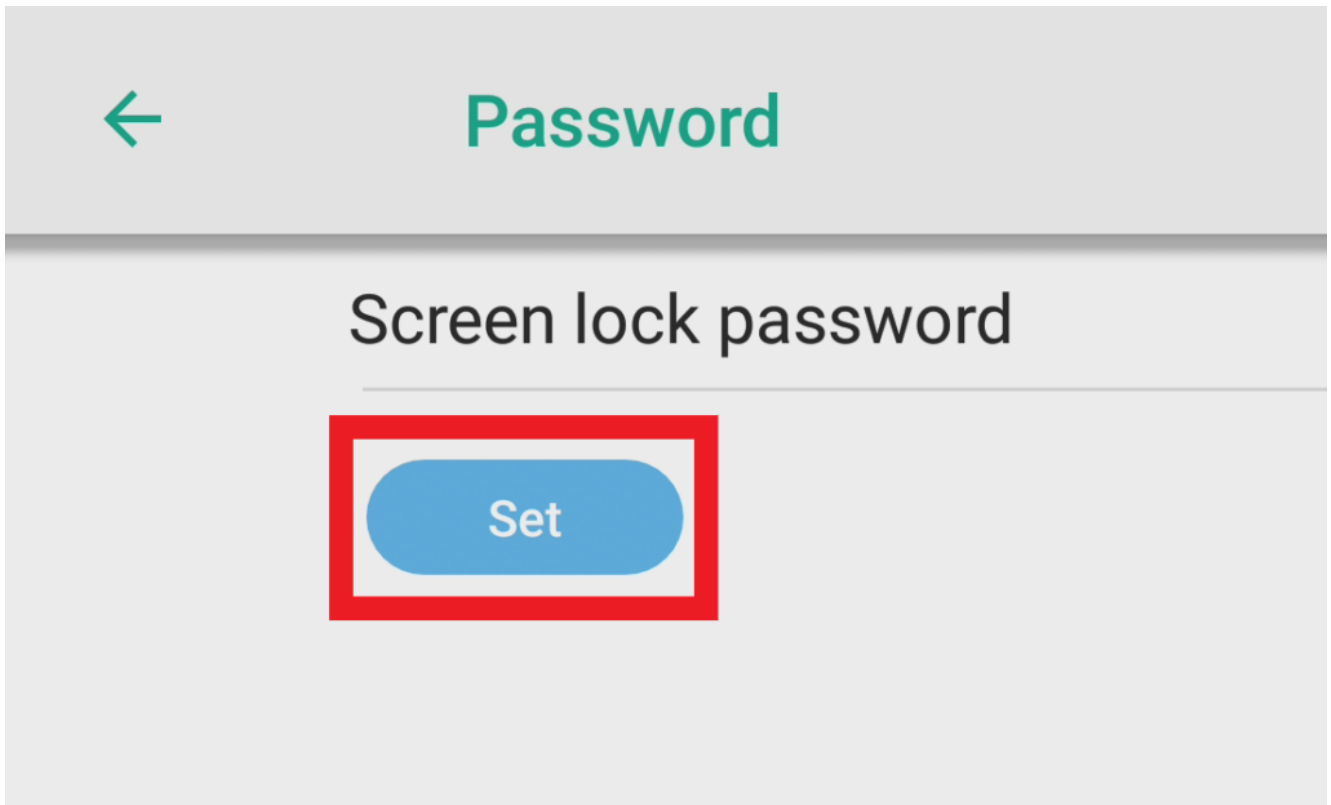
Step.2 Tap “Screen Lock” app, and “Set”, then “Set the password” (At least 4 digits, and only numeric is allowed).



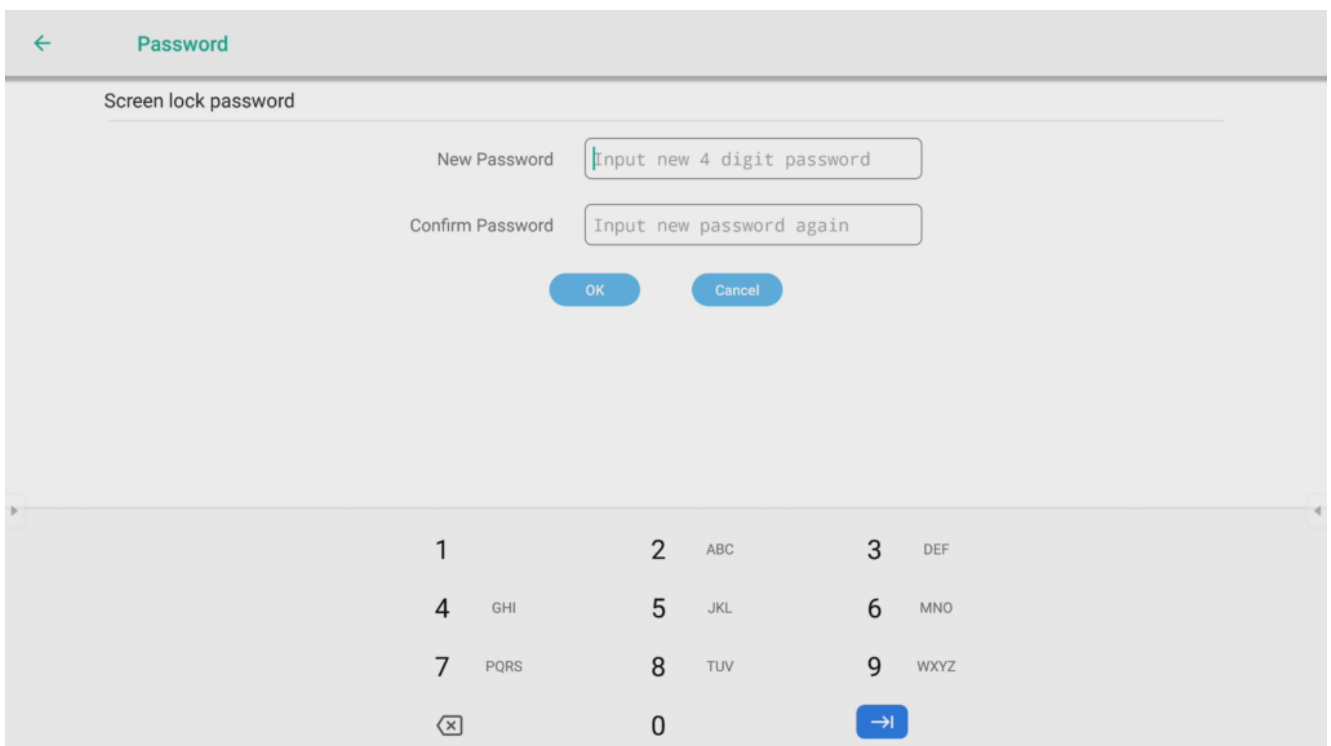
Screen Lock



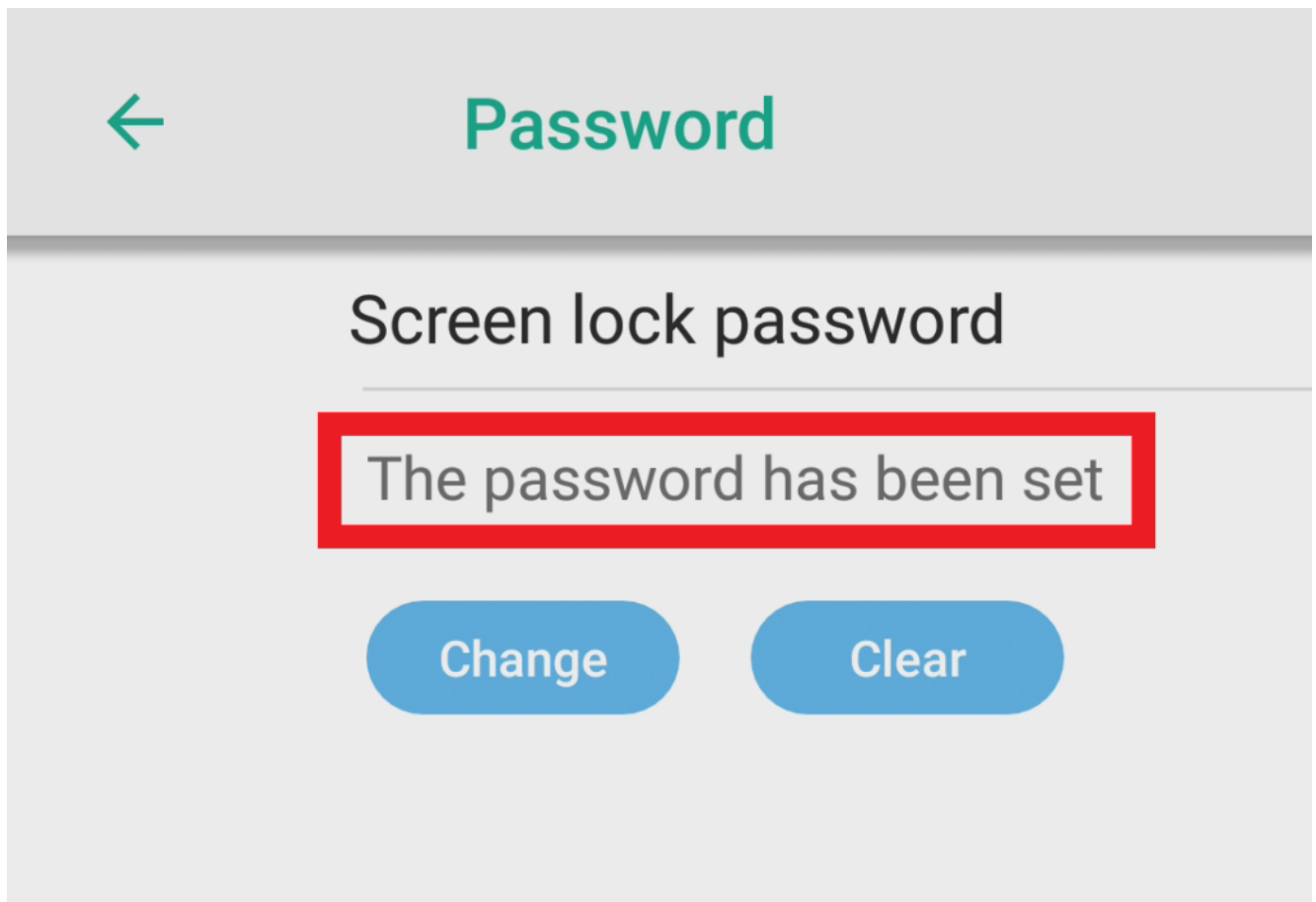
First time to set up



Tap to set password

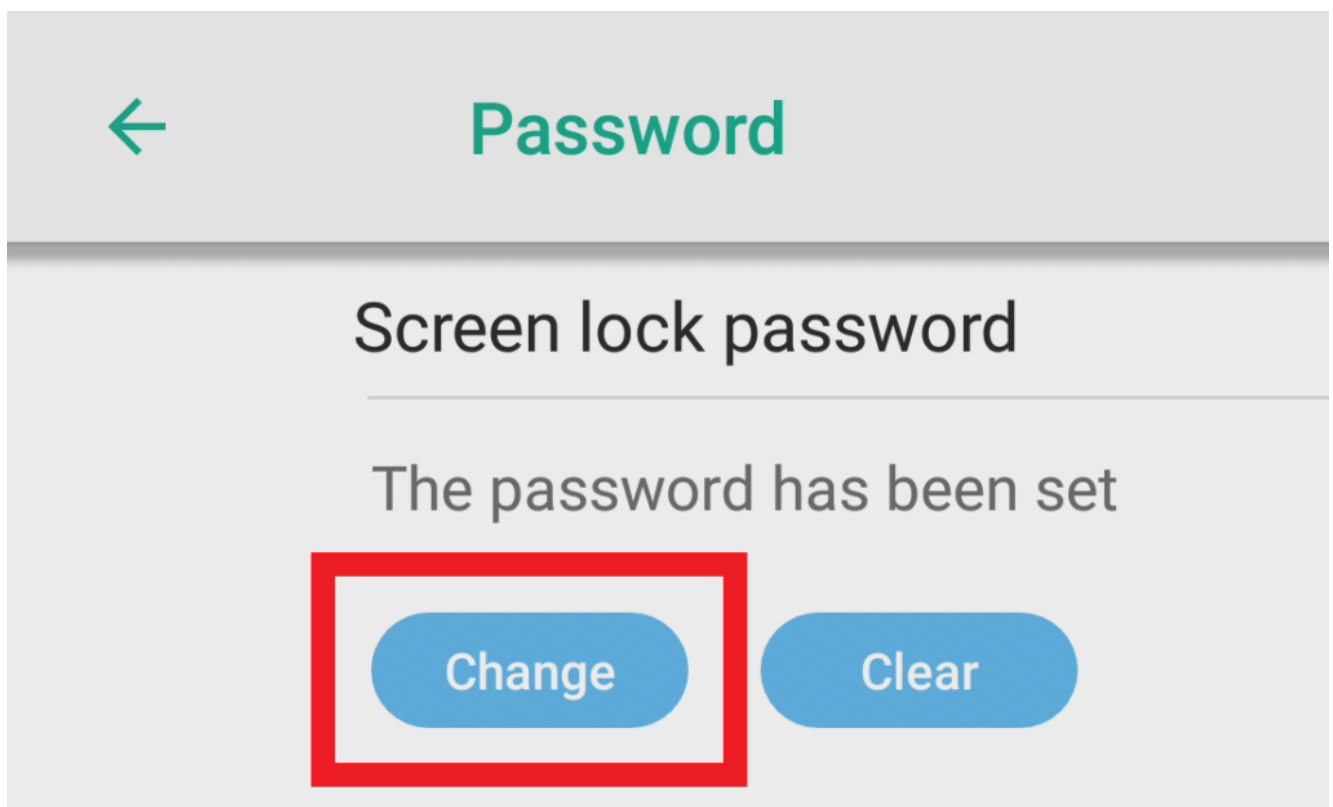


Use numeric keypad to input password



Password is set successfully

- How to change the password?



Tap to change the password

The screenshot shows a mobile app interface for changing a password. At the top, there is a green back arrow and the title 'Password'. Below this is a section titled 'Screen lock password'. It contains three input fields: 'Current Password' with the placeholder 'Input current password', 'New Password' with the placeholder 'Input new 4 digit password', and 'Confirm Password' with the placeholder 'Input new password again'. Below the fields are two blue buttons: 'Change' and 'Cancel'. At the bottom of the screen is a numeric keypad with digits 1-9, 0, a backspace icon (x), and a blue arrow icon (→).

Use numeric to input current and new password

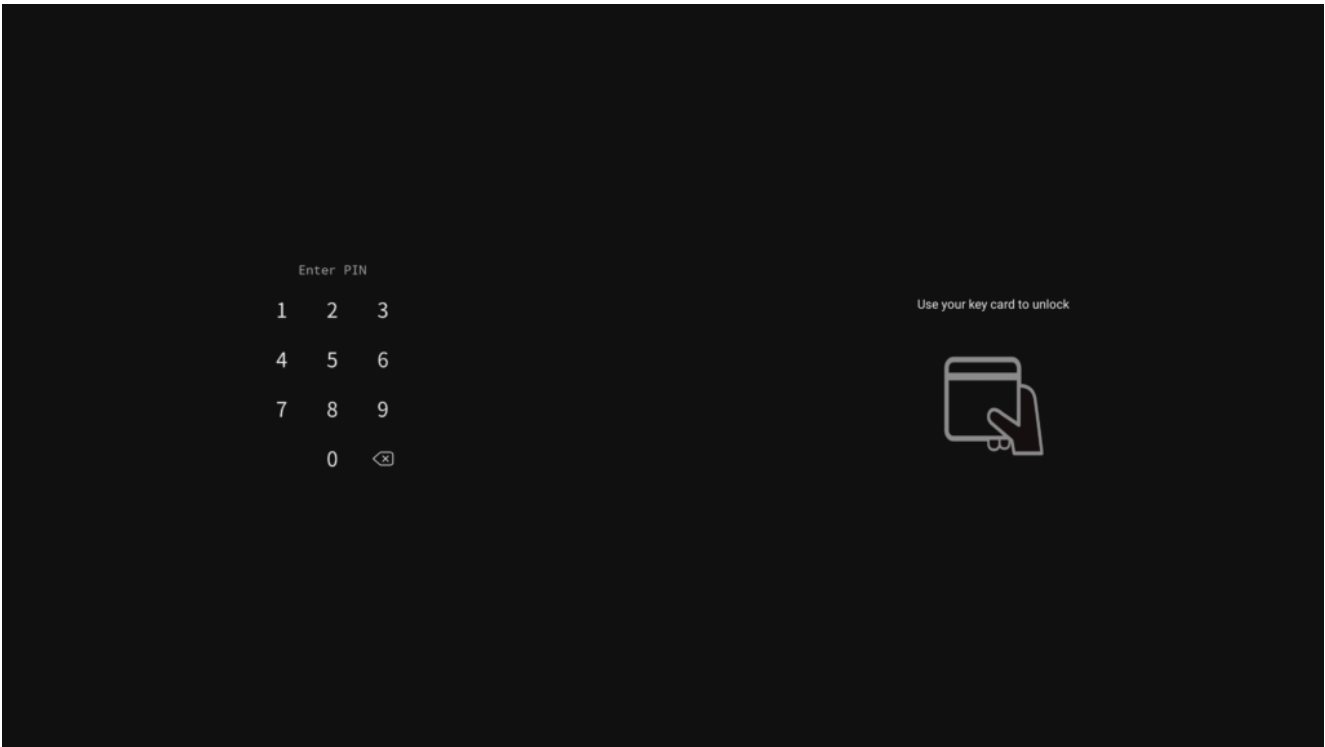
▪ How to clear password?

The screenshot shows the same 'Password' screen after a password has been set. The title 'Password' is still at the top. Below the 'Screen lock password' section, the text 'The password has been set' is displayed. At the bottom, there are two blue buttons: 'Change' and 'Clear'. The 'Clear' button is highlighted with a red rectangular border.

Tap clear to remove the password

Input the current password to remove it

Step.3). Tap **“Screen Lock”** app again to enable the screen lock, and you will see the **“Swipe card”** icon and **“Numeric keypad”** on screen. Use the RFID/ NFC card or tag which has been registered via **“Novo RemoteManager”** to unlock the device . If the credential is valid, the screen will be unlocked immediately. Otherwise, you will see the message **“No Permission. Please contact your administrator for help.”** at the bottom-center of home screen.



RFID/ NFC credentials and password are set



Only password is set

Supported card reader specification

Radio Frequency Band

RFID (Low Frequency) for ID card	125kHz
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NFC for IC card	13.56MHz
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Cards' frequency list

How to recognize the you card (tag)?

RFID (Low Frequency)

- Identification Card (EM4100, TK4100 etc.)
- Tag
- Label sticker

NFC

- Smart Card (Easy Card, Pre-Paid Card, E-Ticket) – Refer to Mifare, ISO/IEC 14443-A
- E-Payment (Smartphone, Smartwatch)

For more details, please refer to the following articles.

What's the RFID/ NFC?

[RFID](#) (Wikipedia, external link)

[NFC](#) (Wikipedia, external link)

