

# 2.8 Secure login by RFID/ NFC credentials

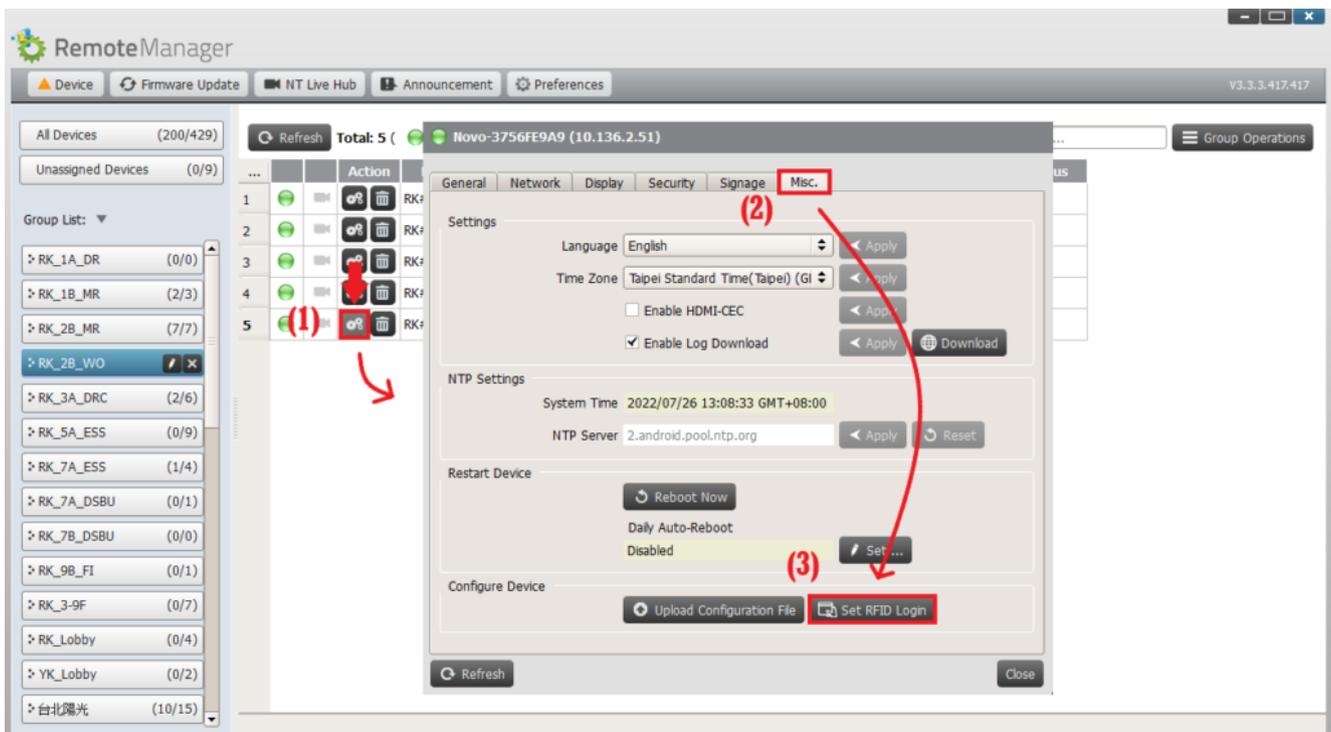
This function is only applicable for NovoTouch EK-2/ EK-3 series.

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

## Add/ Remove login credential

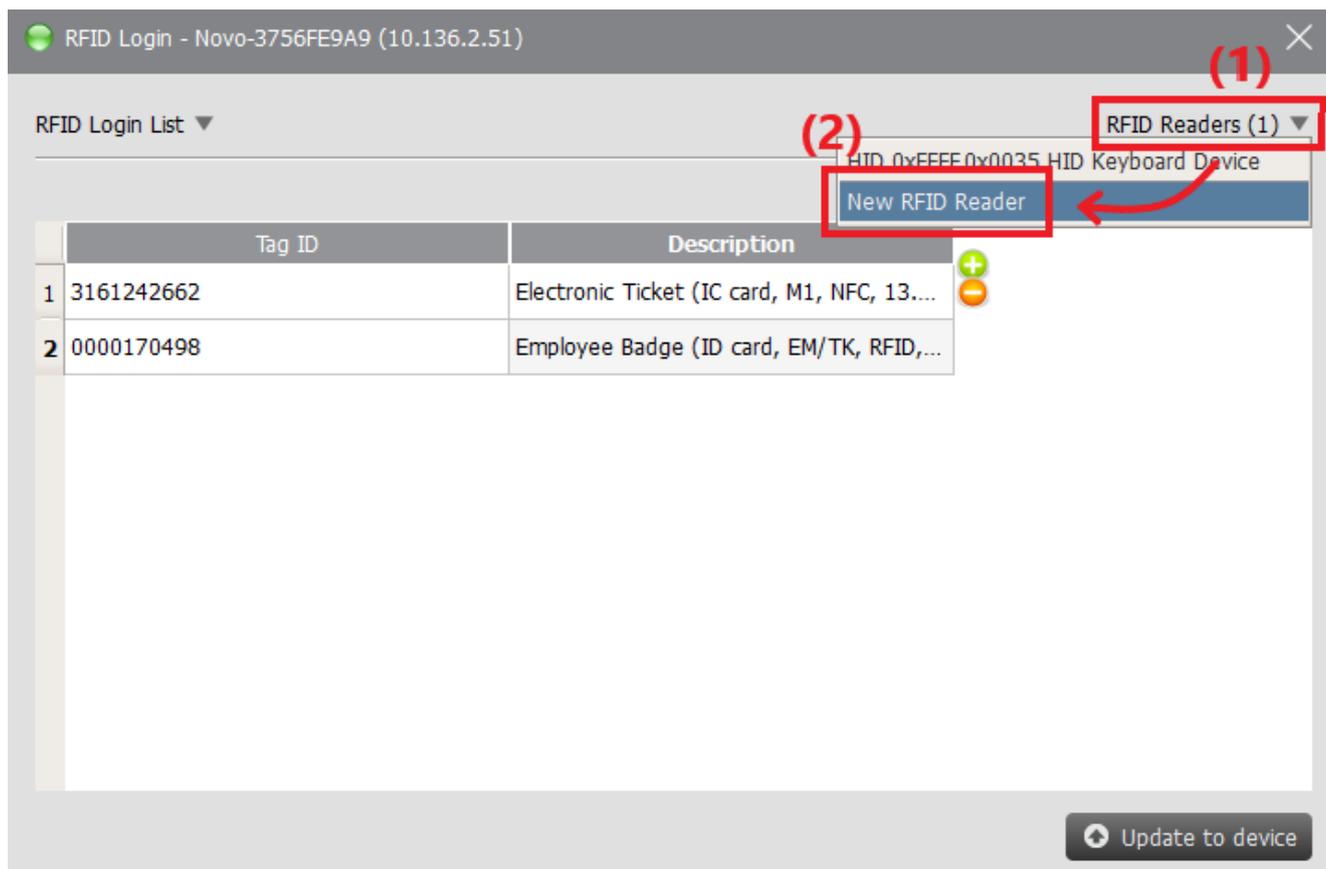
RFID/ NFC card must be registered by **Novo RemoteManager**, and uploaded to the Novo device before you can unlock the device.

**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**”.

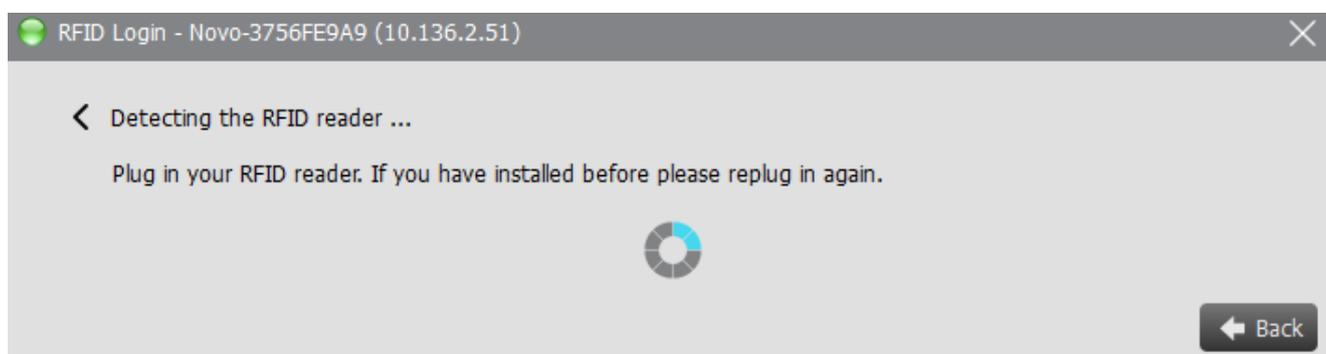


Set RFID/ NFC login

**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.

RFID Login - Novo-3756FE9A9 (10.136.2.51)

RFID Login List ▼ RFID Readers (1) ▼

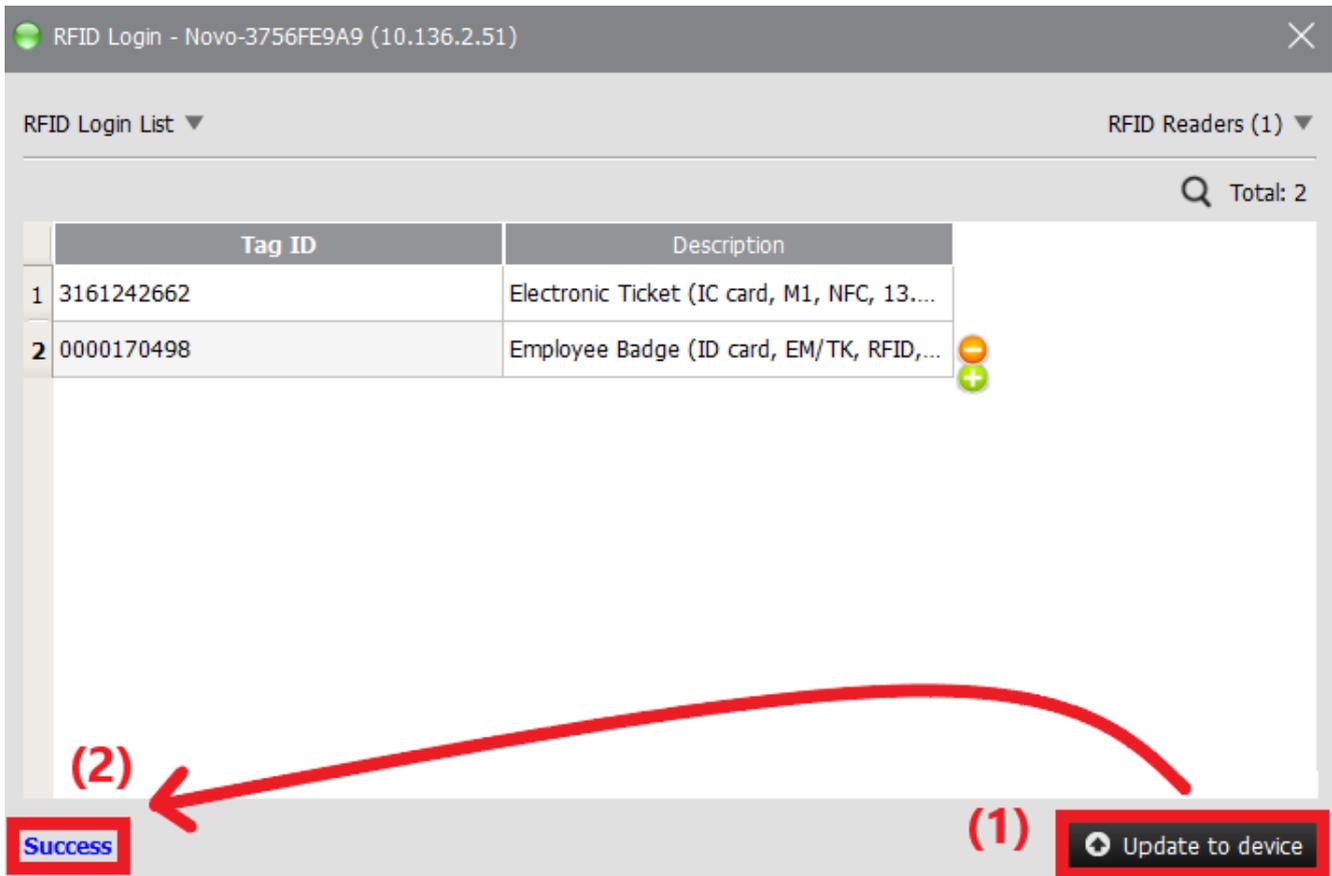
Search Total: 2

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

**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



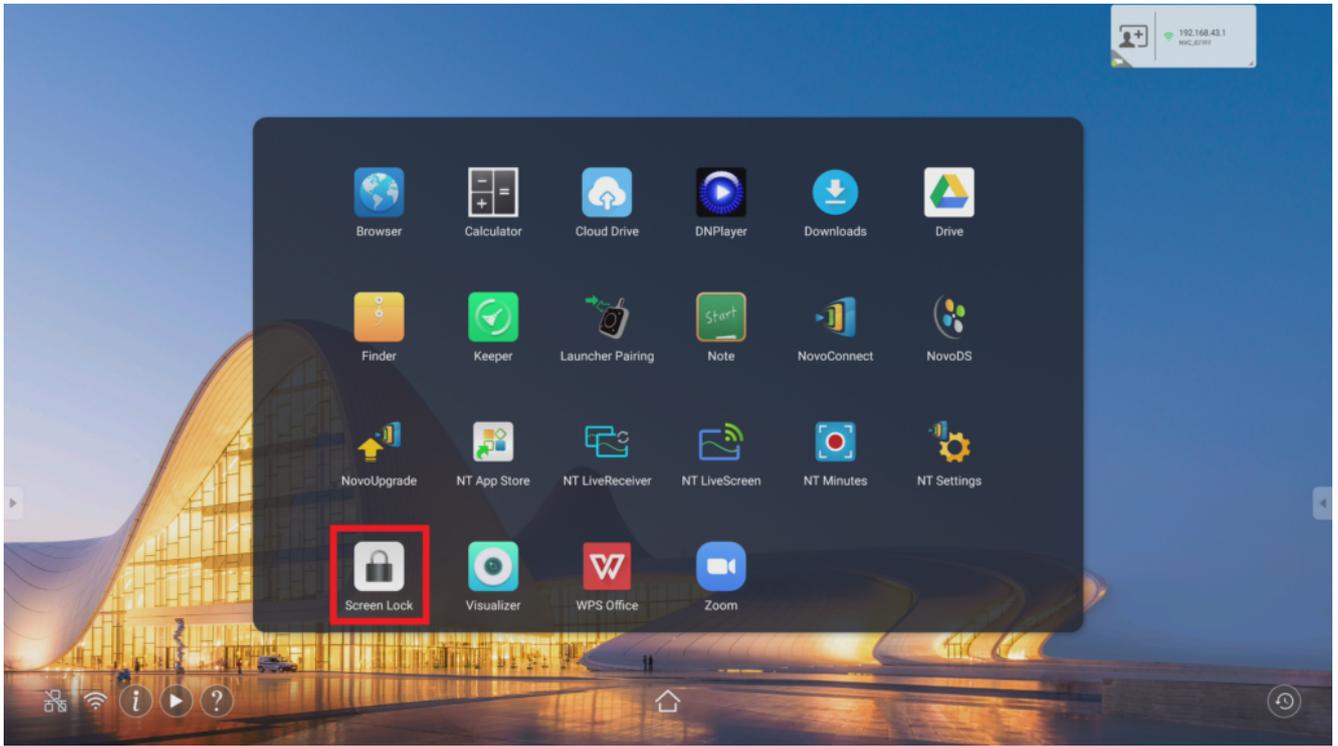
Credentials uploading and result

## Lock and Unlock the device

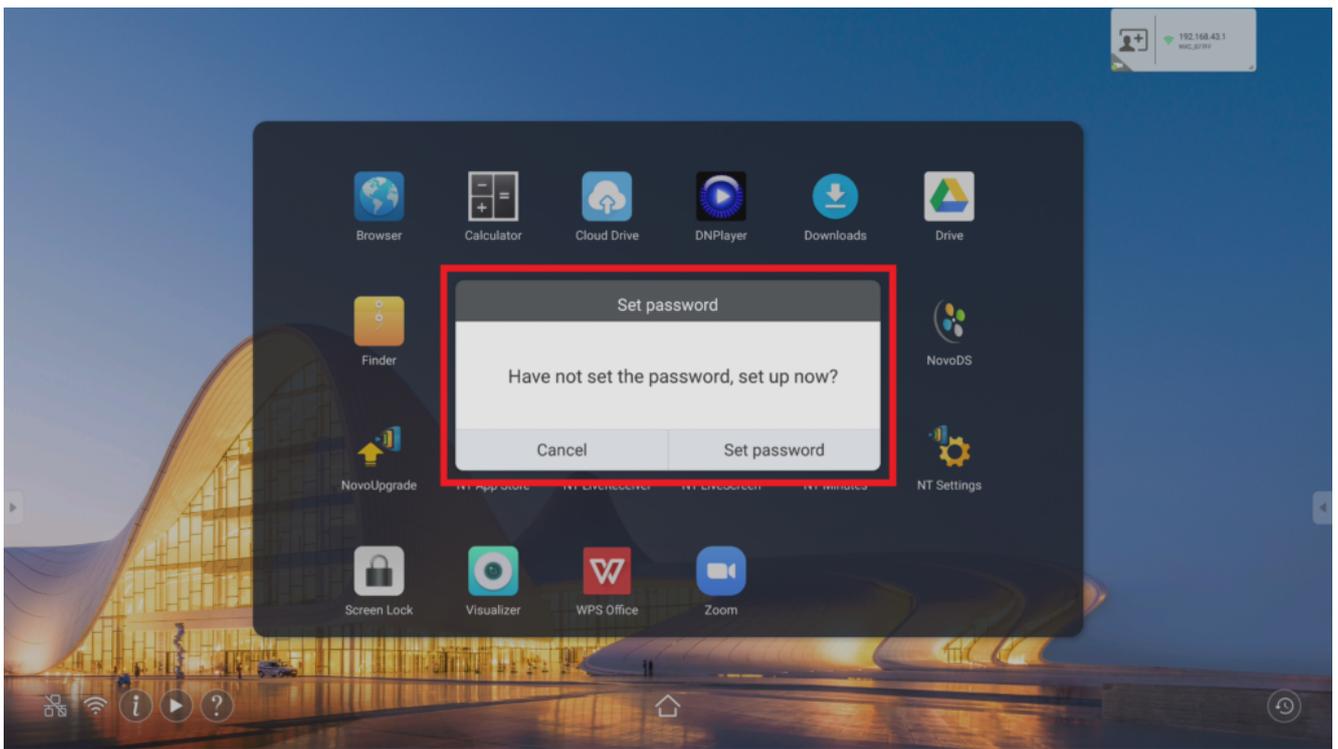
RFID and NFC are using different frequencies, make sure the card matches with the reader.

**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.

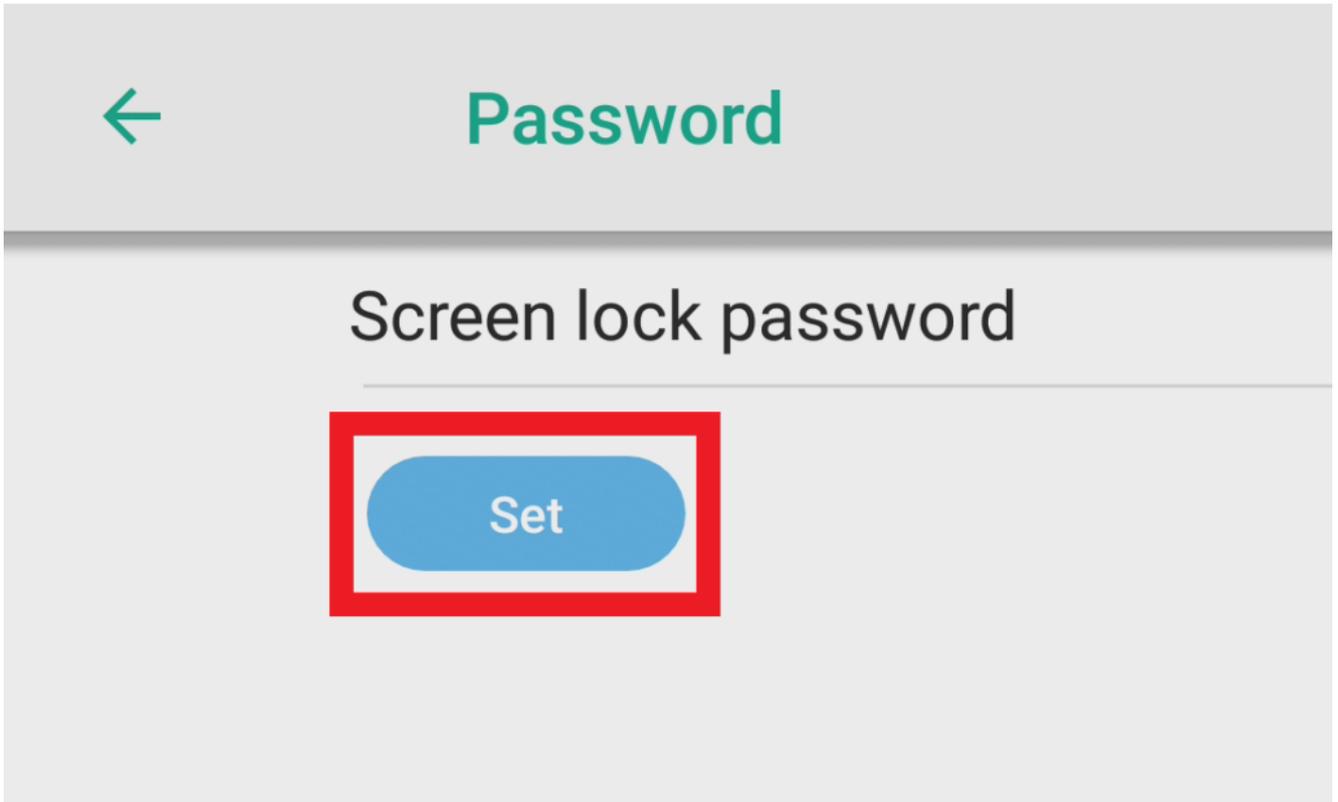
**Step.2** Tap "Screen Lock" app, and "Set", then "Set the password" (At least 4 digits, and only numeric is allowed).



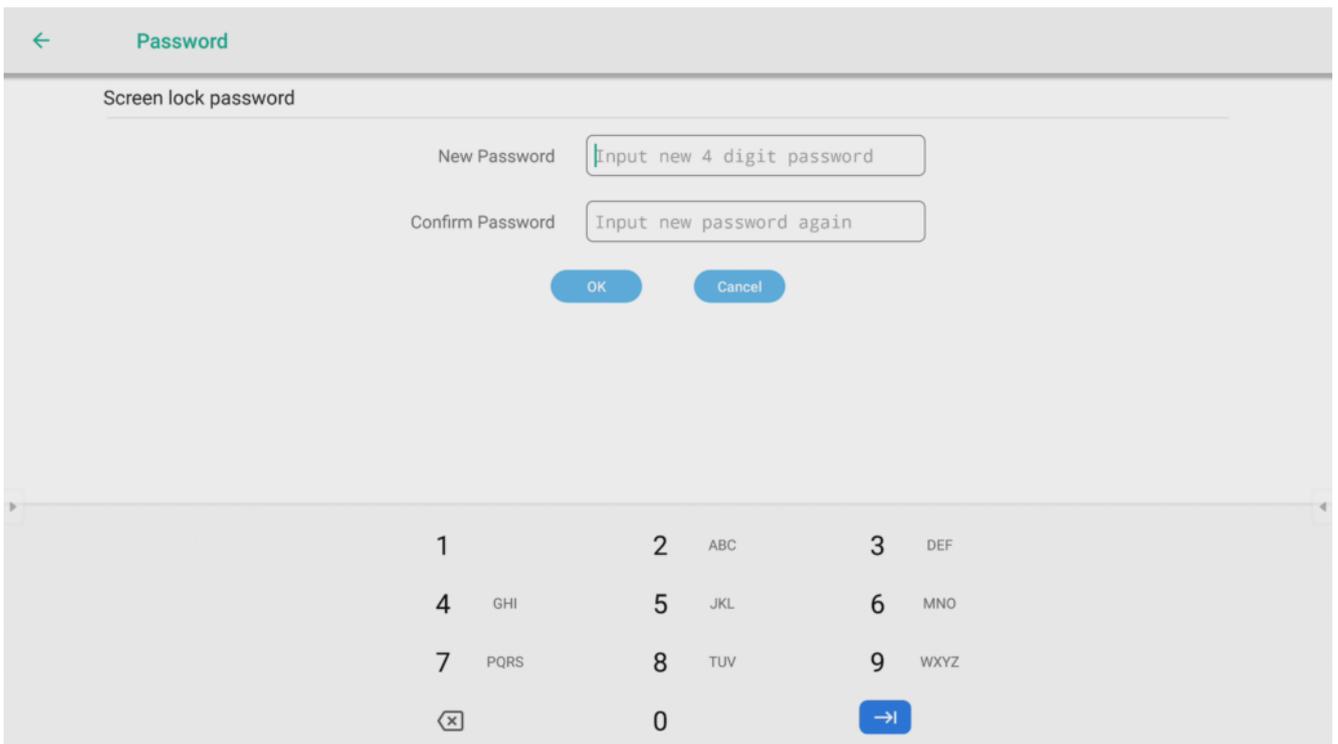
Screen Lock



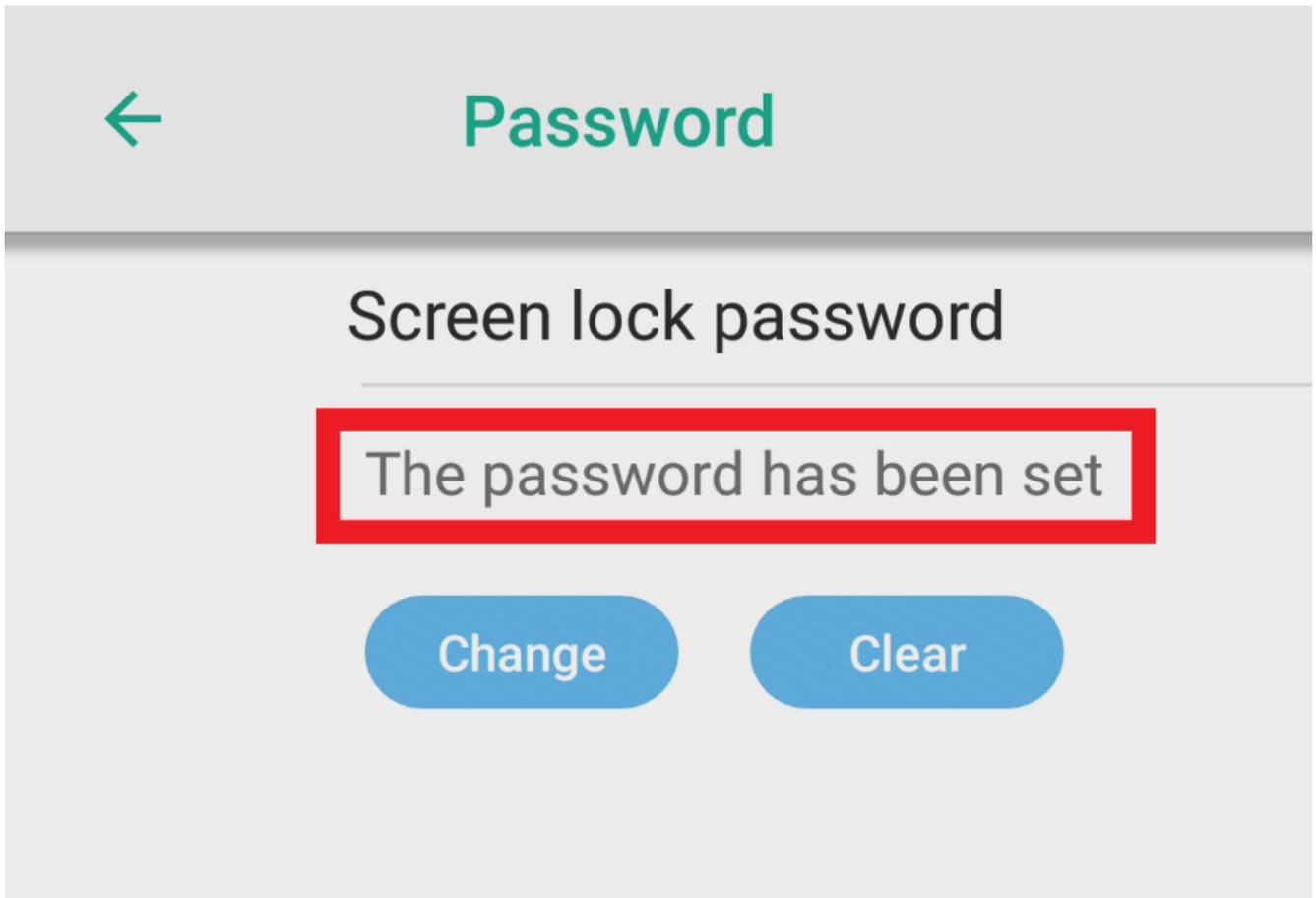
First time to set up



Tap to set password

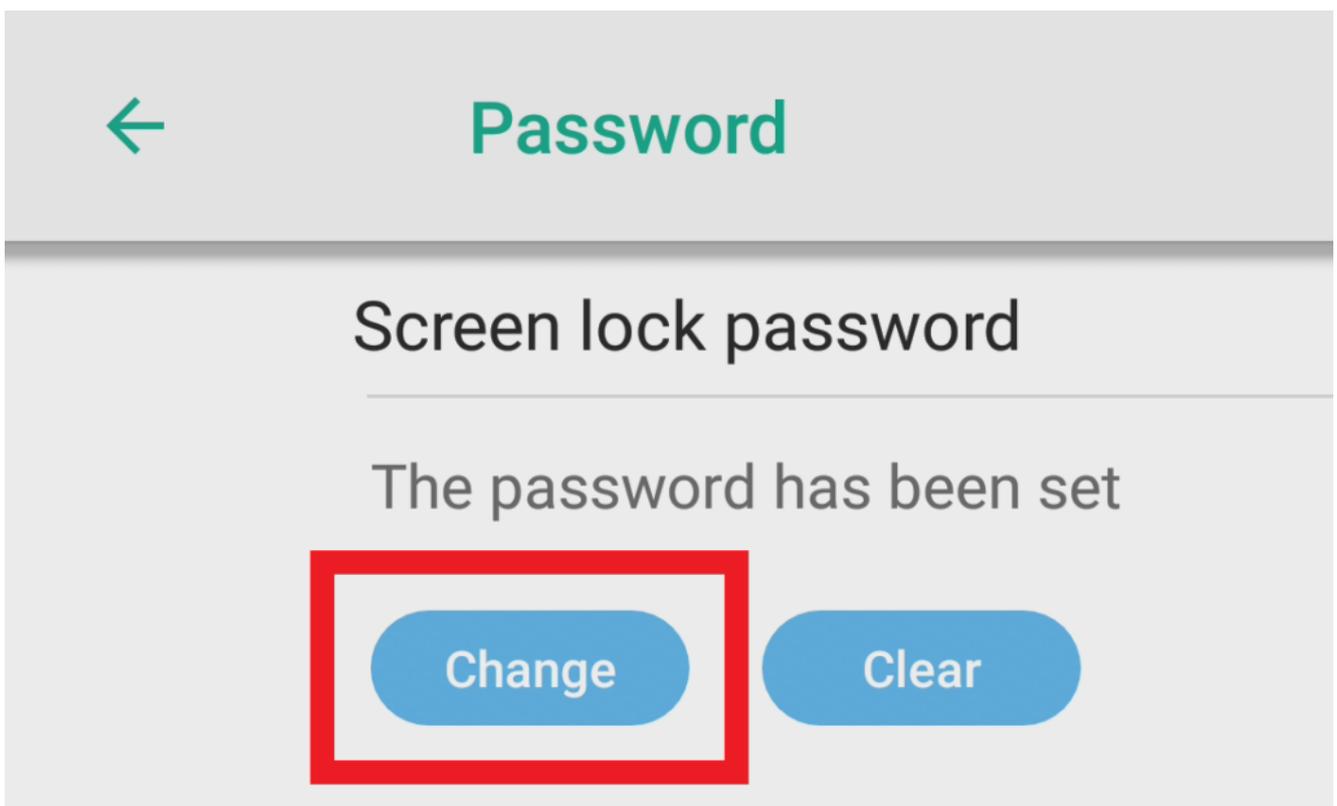


Use numeric keypad to input password



Password is set successfully

- How to change the password?



Tap to change the password

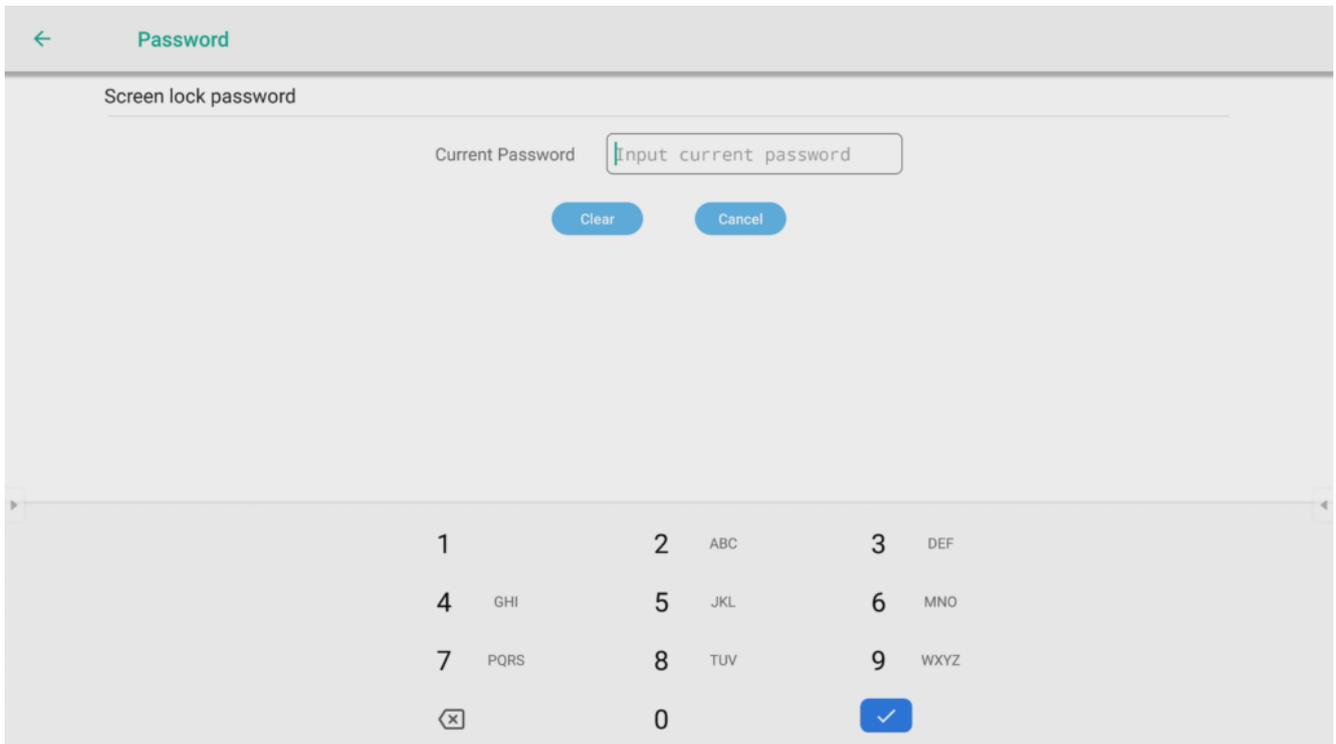
The screenshot shows a mobile application interface for changing a screen lock password. At the top, there is a back arrow and the title "Password". Below this, the section "Screen lock password" contains three input fields: "Current Password" with the placeholder "Input current password", "New Password"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

Use numeric to input current and new password

▪ How to clear password?

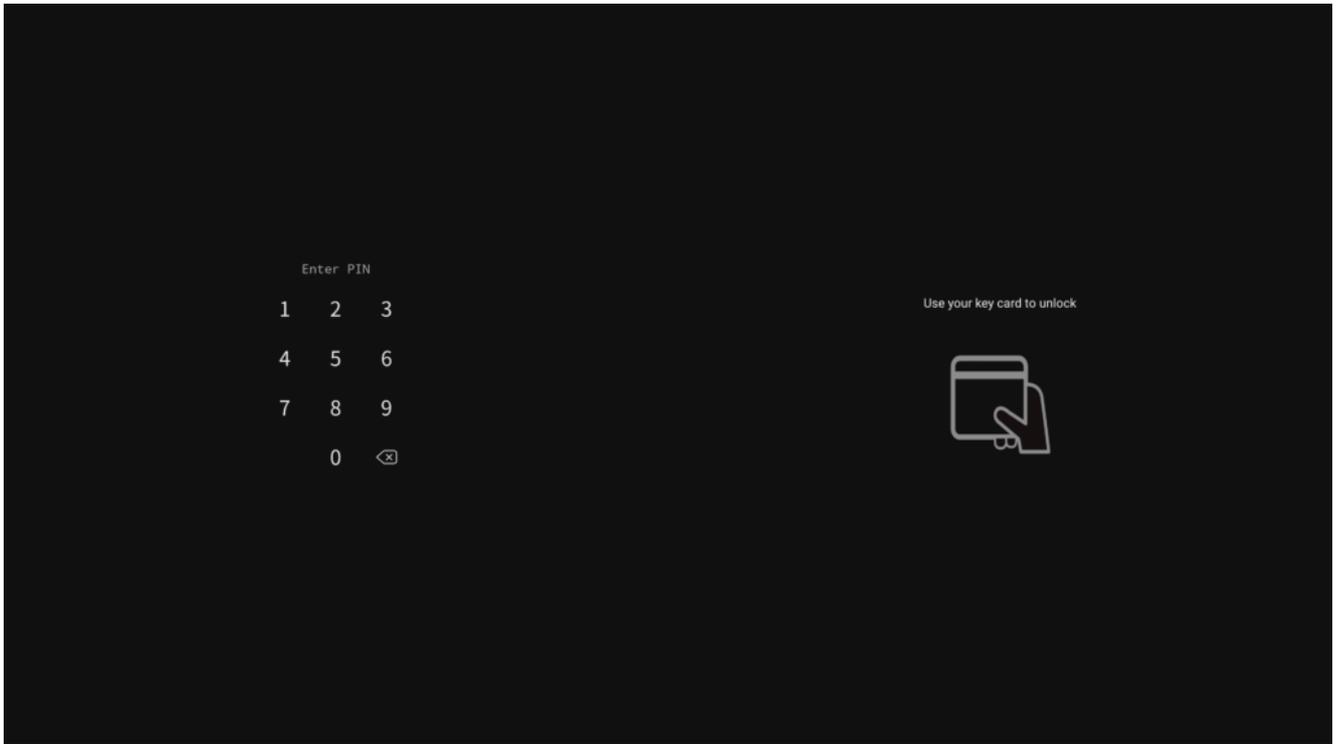
The screenshot shows the same mobile application interface after the password has been successfully set. The title "Password" is now in a larger green font. The message "The password has been set" is displayed in the center. Below the message are two buttons: "Change" and "Clear". The "Clear" button is highlighted with a red rectangular border.

Tap clear to remove the password

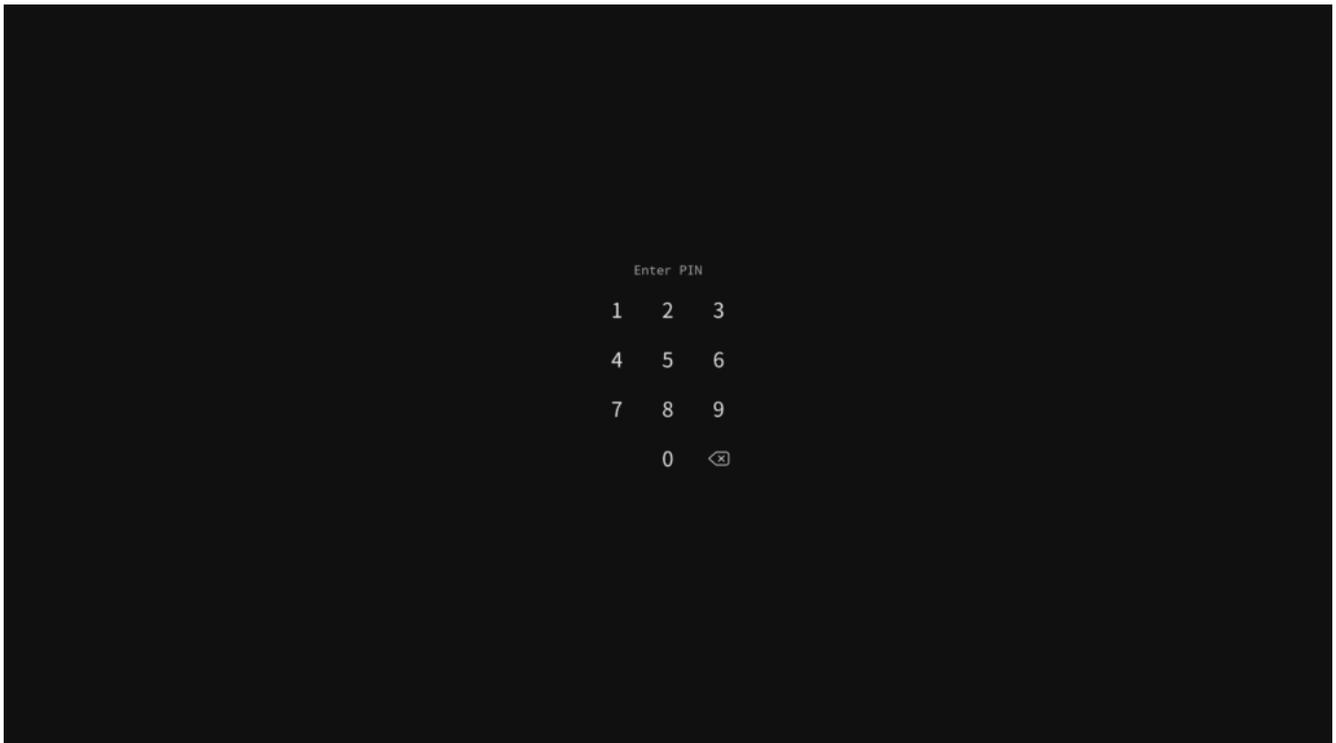


Input the current password to remove it

**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)

