

# 2.8 Secure login by RFID/ NFC credentials

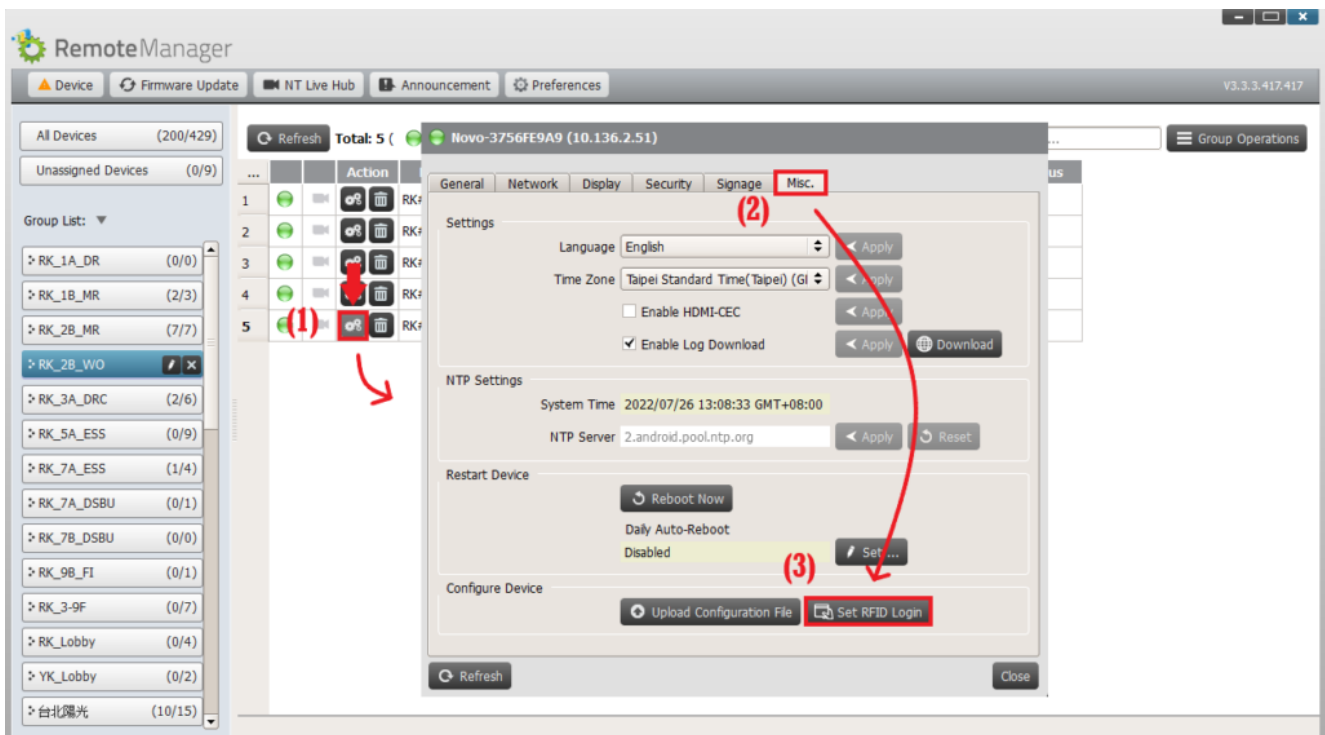
This function is only applicable for NovoTouch EK-2/ EK-3 series.

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

## Add/ Remove login credential

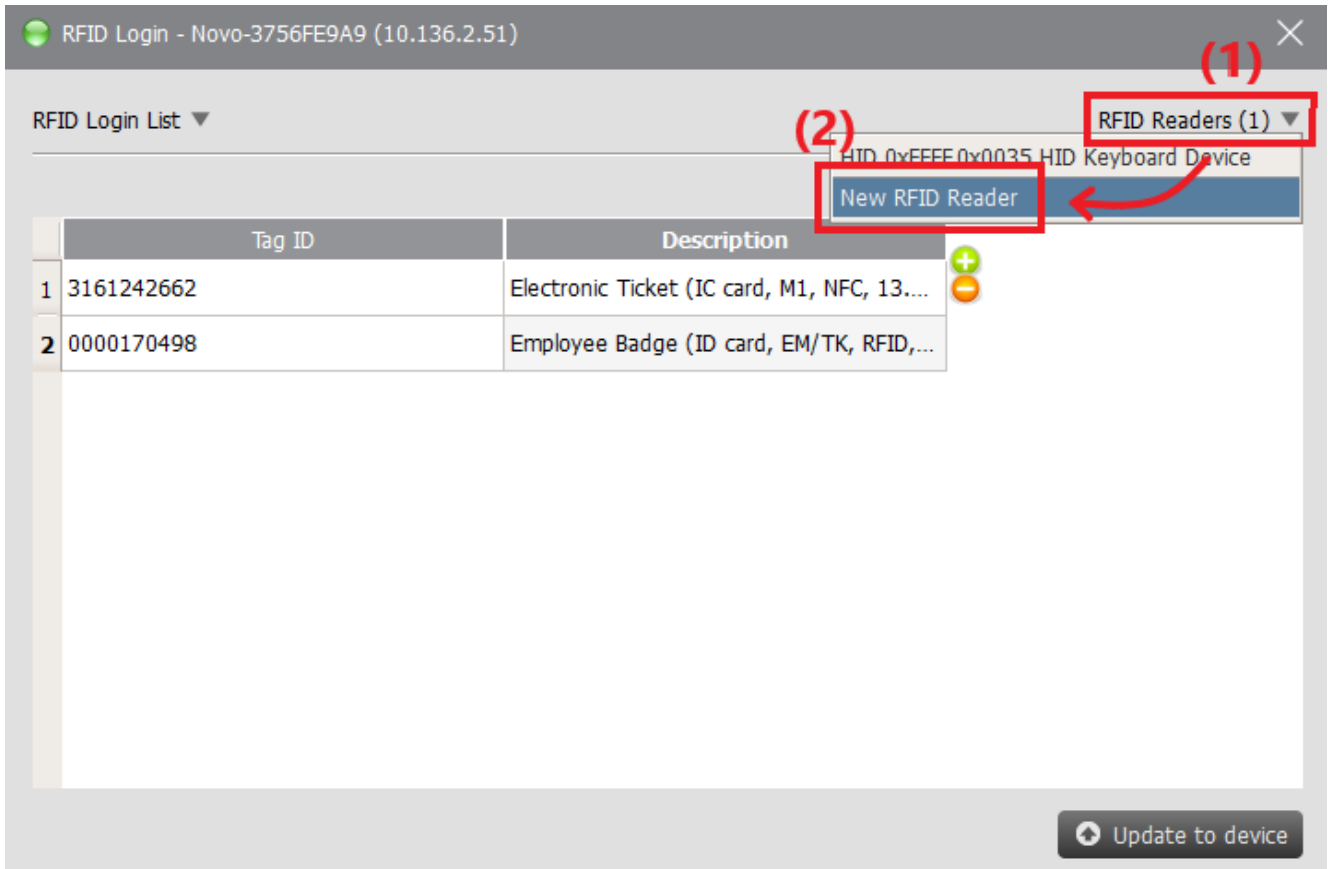
RFID/ NFC card must be registered by **Novo RemoteManager**, and uploaded to the Novo device before you can unlock the device.

**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**”.

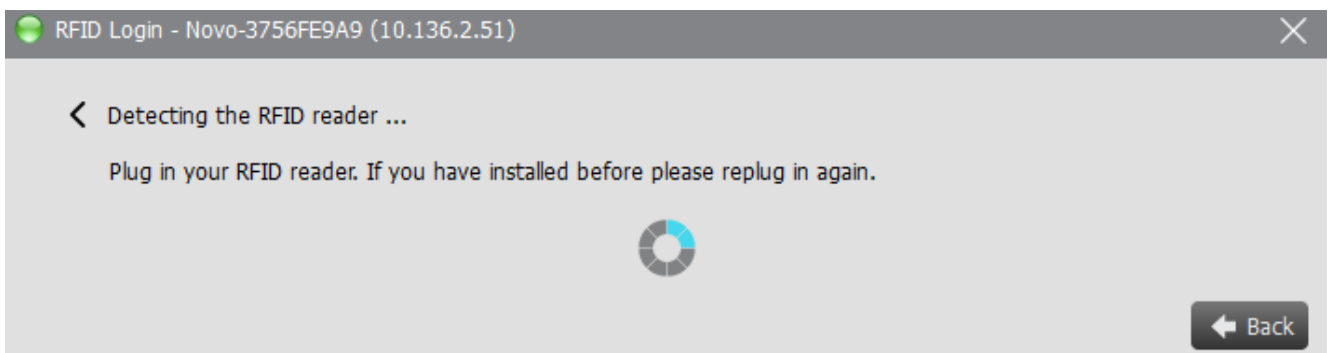


Set RFID/ NFC login

**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) ▼

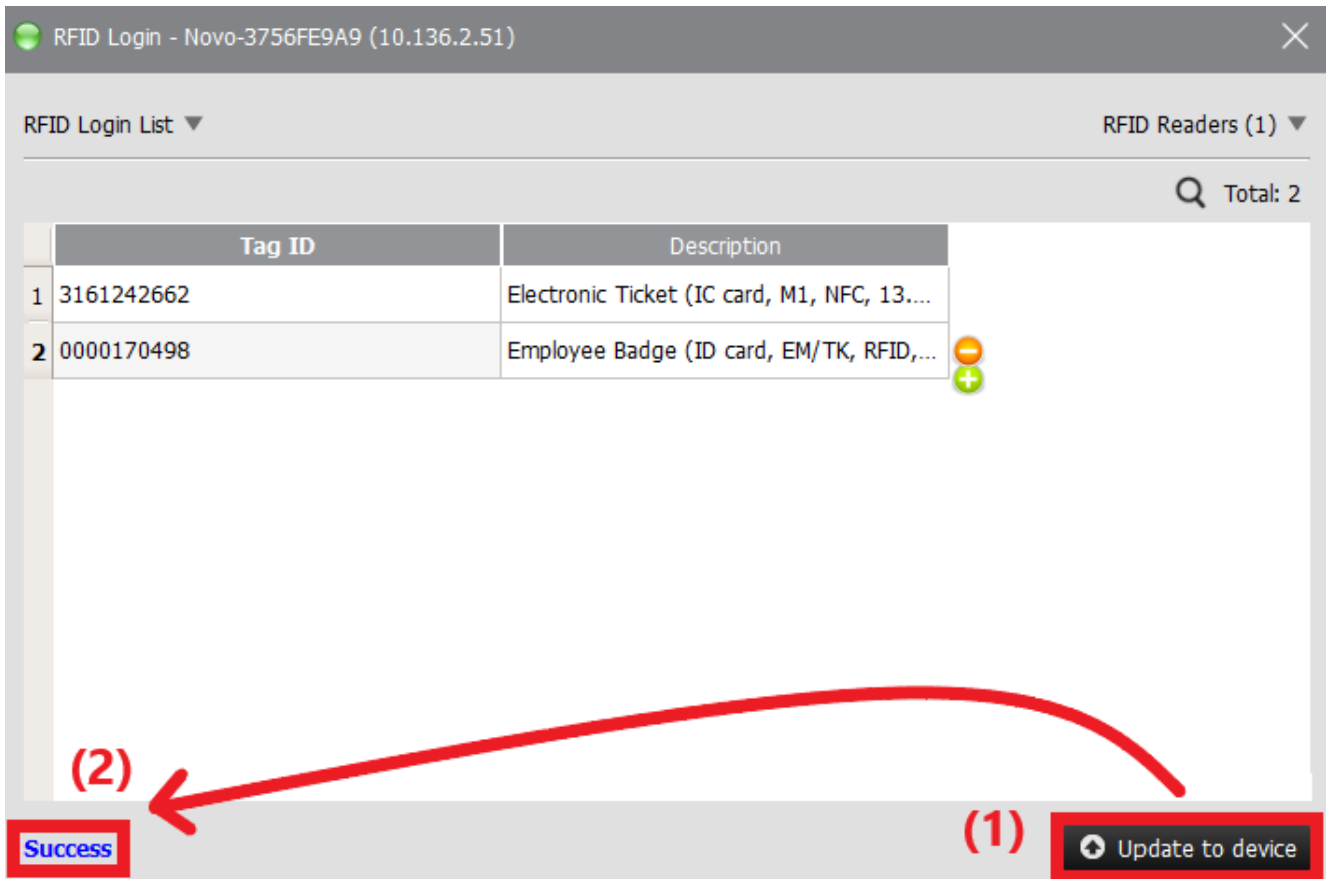
🔍 Total: 2

	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



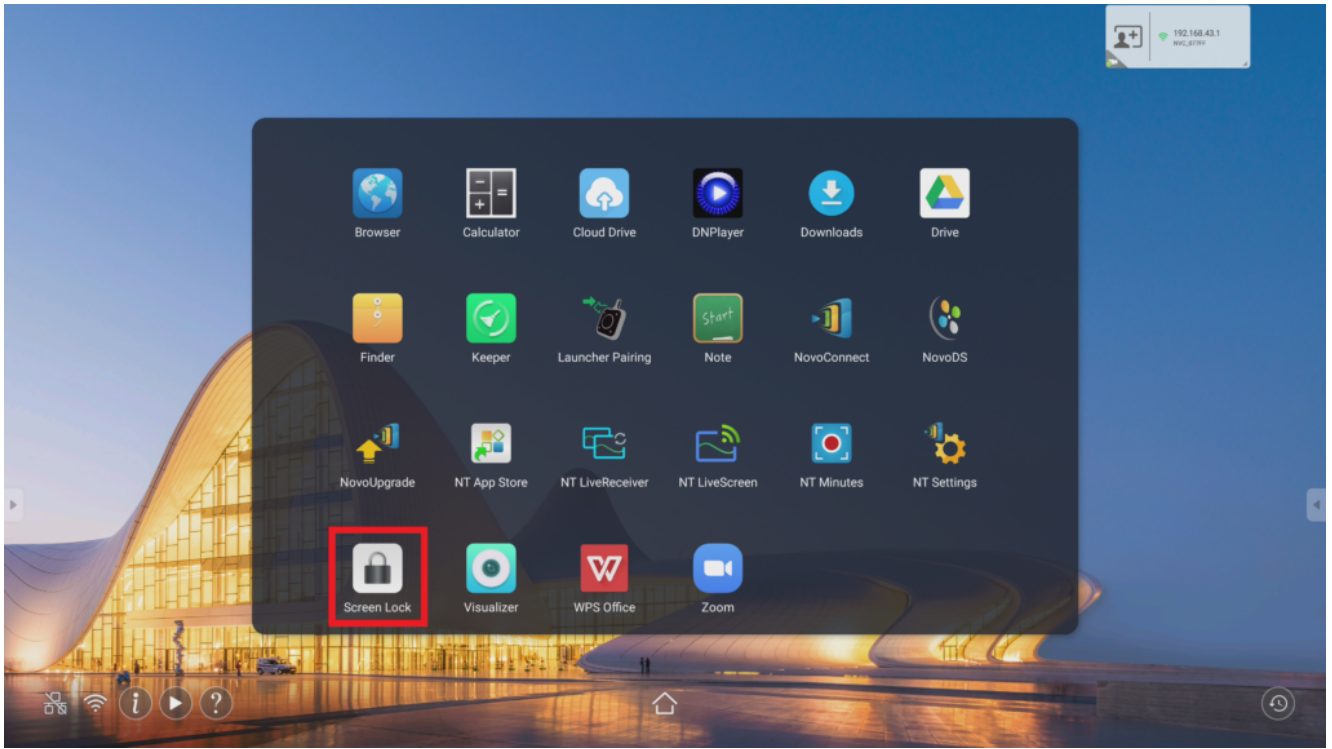
Credentials uploading and result

## Lock and Unlock the device

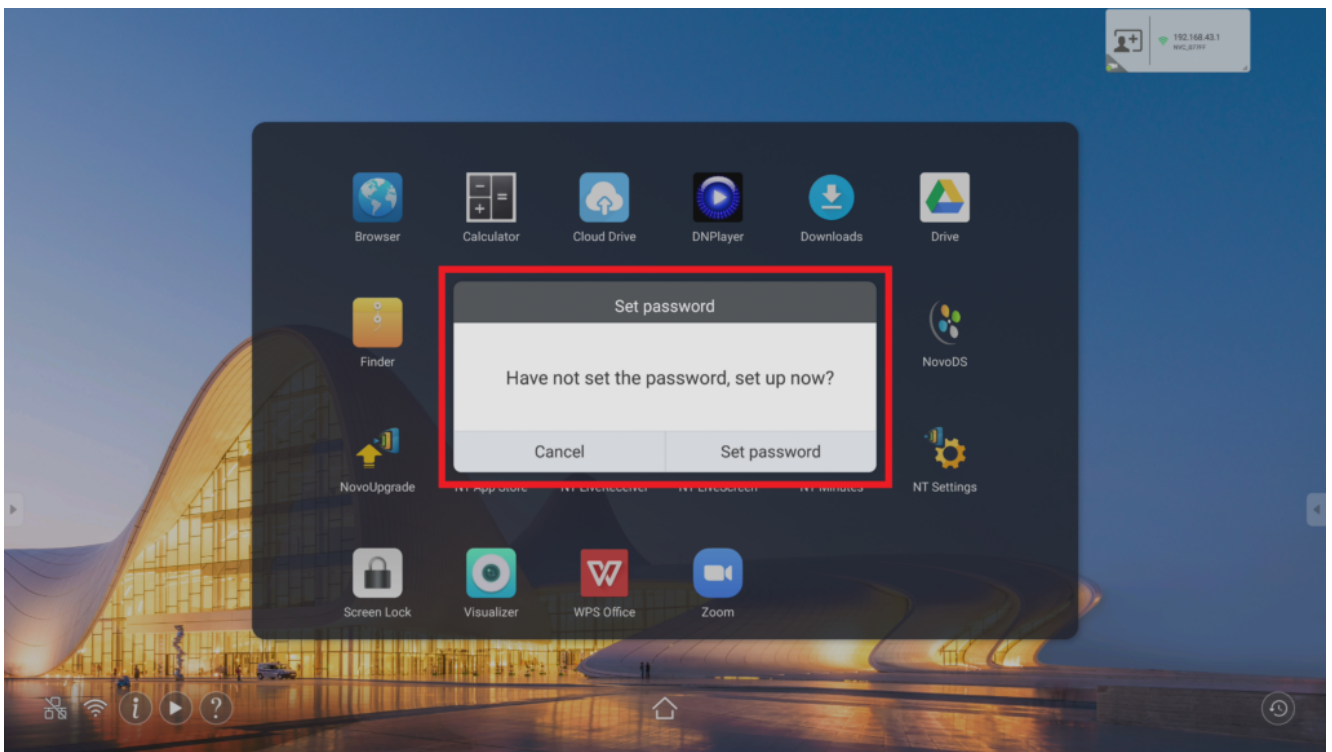
RFID and NFC are using different frequencies, make sure the card matches with the reader.

**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.

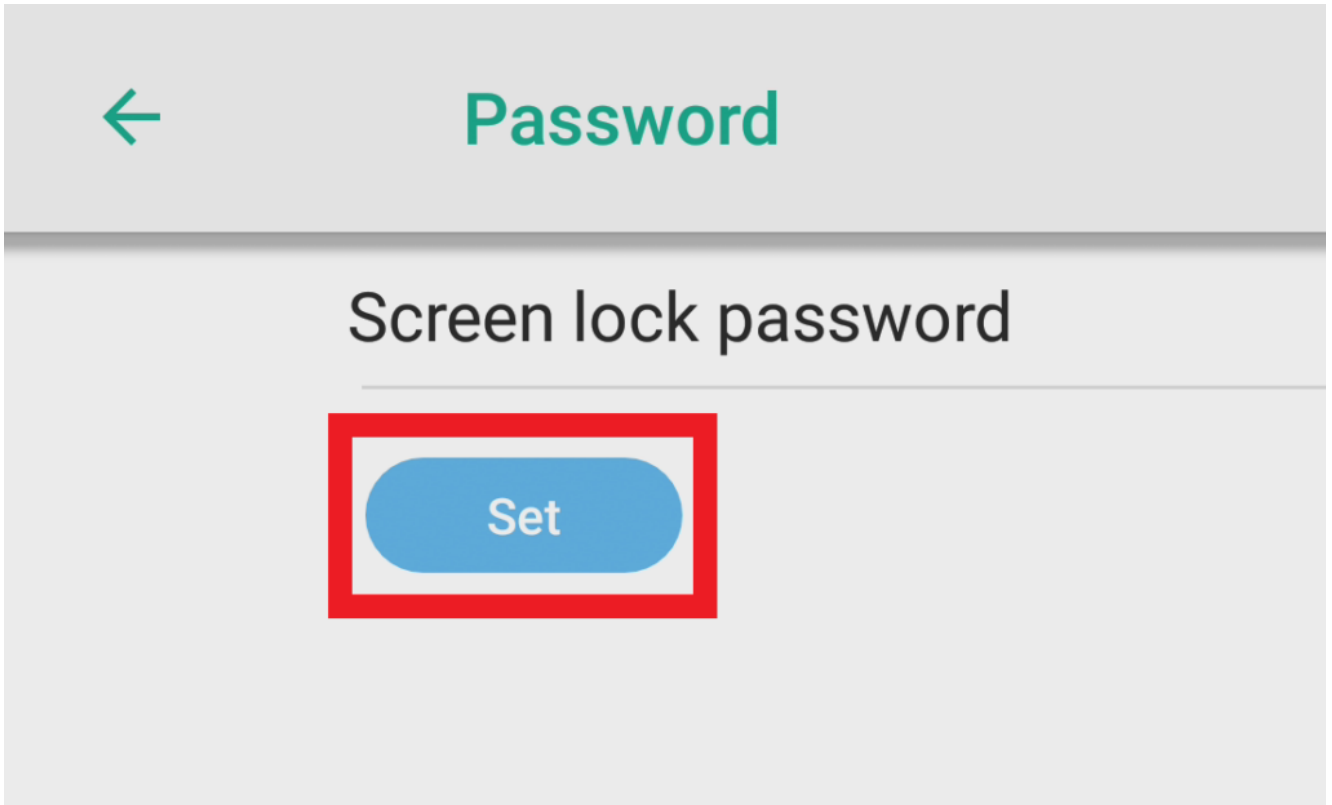
**Step.2** Tap "Screen Lock" app, and "Set", then "Set the password" (At least 4 digits, and only numeric is allowed).



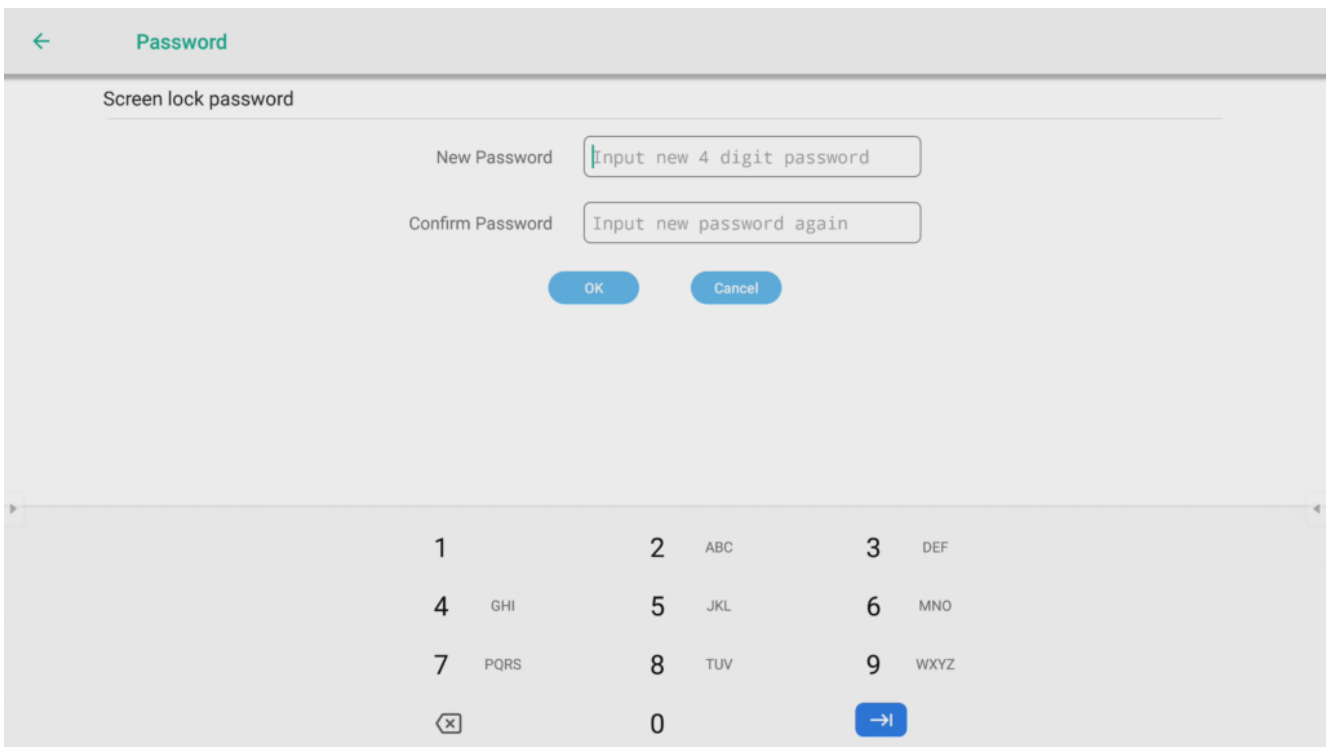
Screen Lock



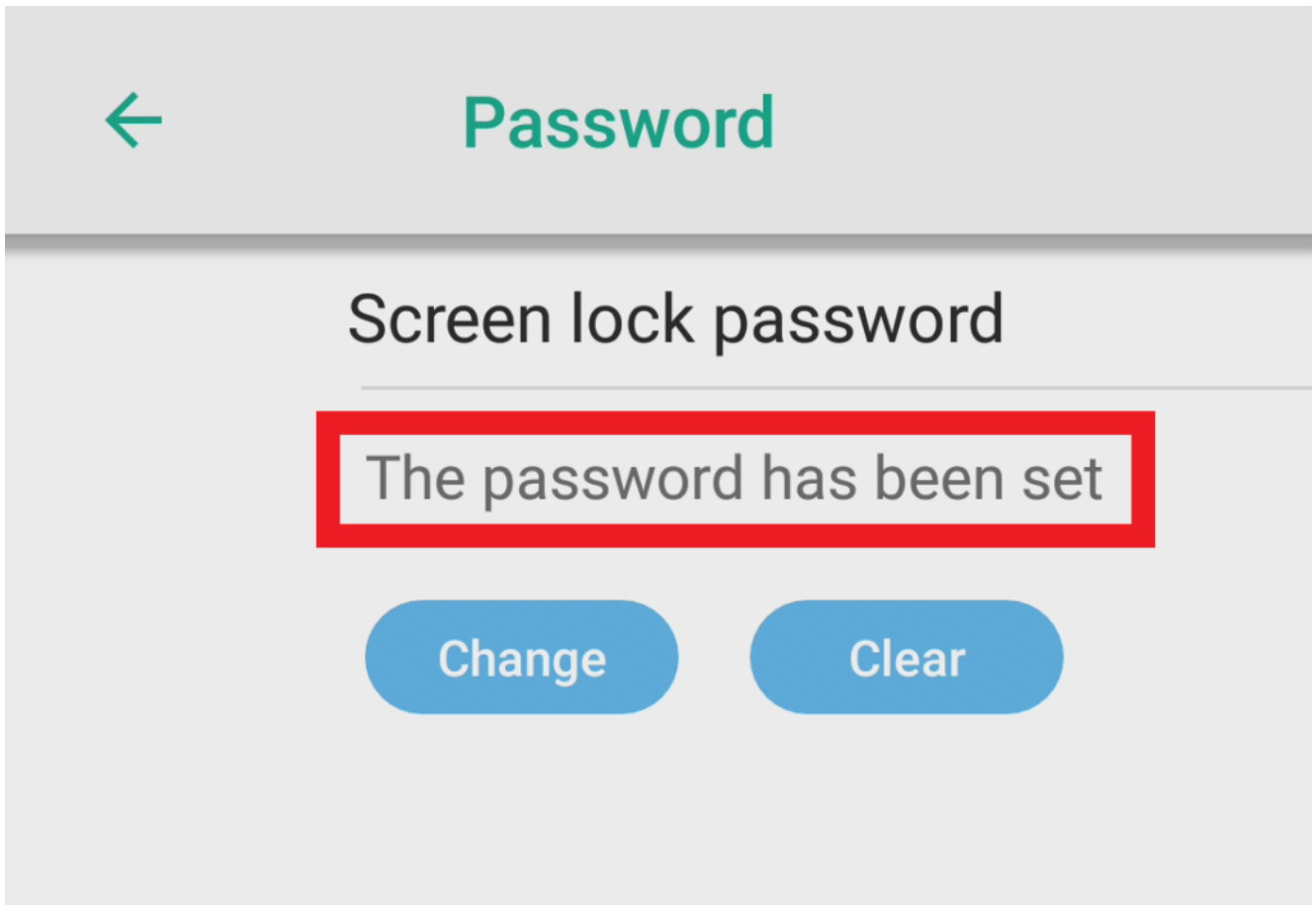
First time to set up



Tap to set password

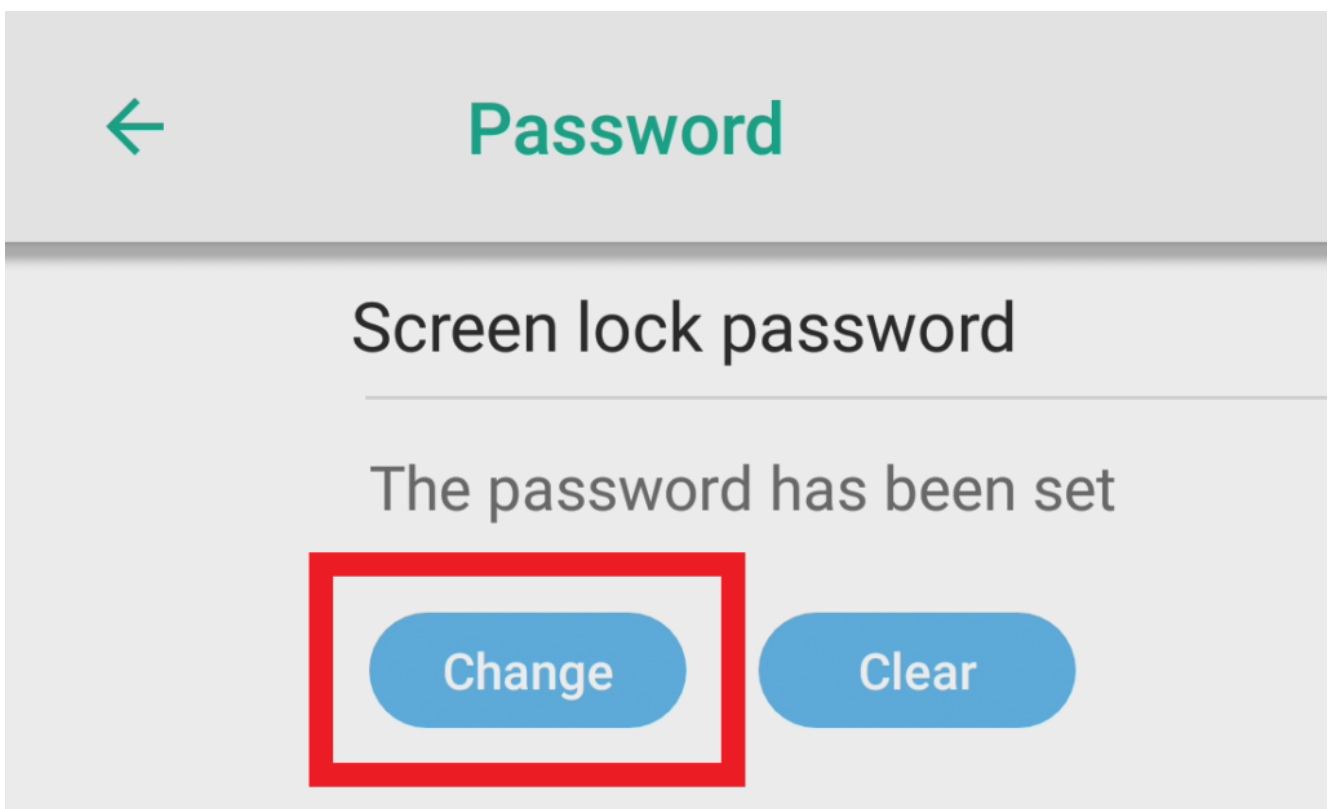


Use numeric keypad to input password

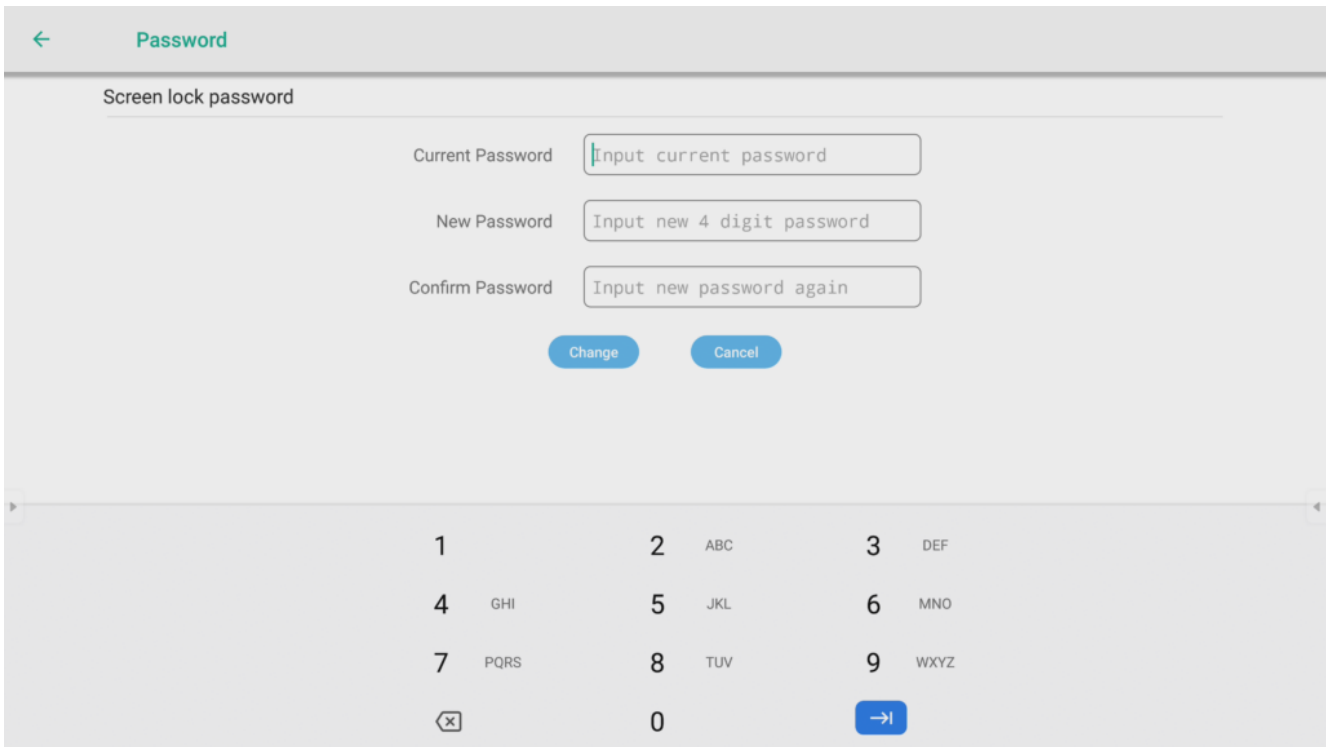


Password is set successfully

- How to change the password?



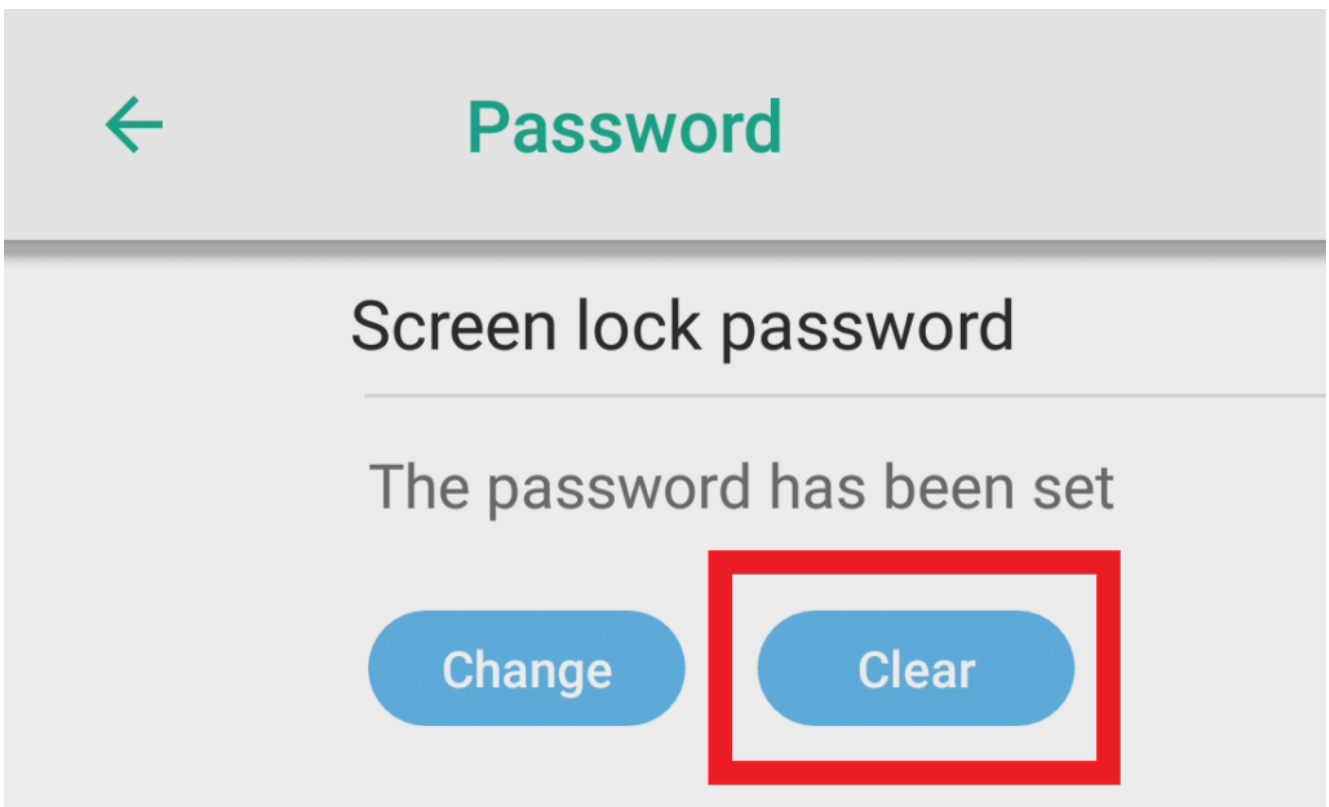
Tap to change the password



The screenshot shows a mobile application interface for changing a password. At the top, there is a back arrow and the title "Password". Below this, the section "Screen lock password" is displayed. There are 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 input fields are two buttons: "Change" and "Cancel". At the bottom of the screen, a numeric keypad is visible, with digits 1 through 9, 0, a backspace key (X), and a next key (→).

Use numeric to input current and new password

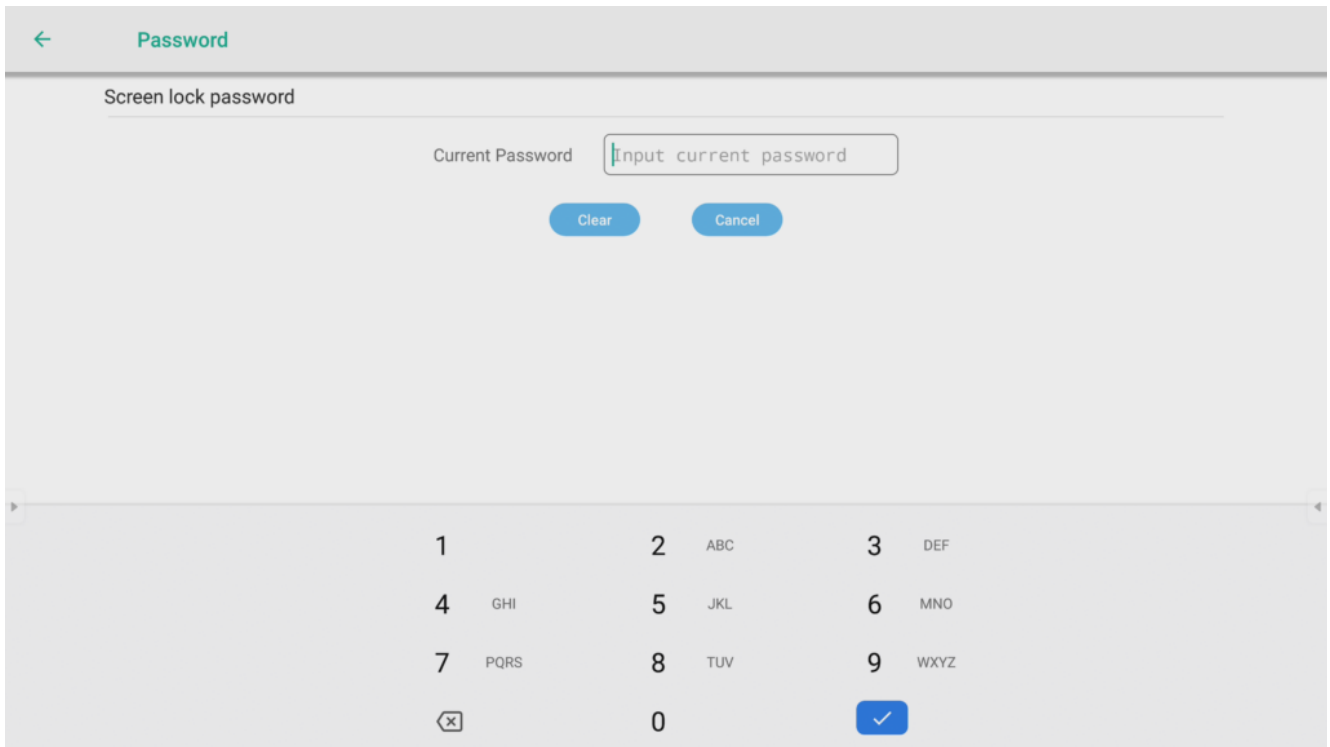
▪ How to clear password?



The screenshot shows the same mobile application interface, but now 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.

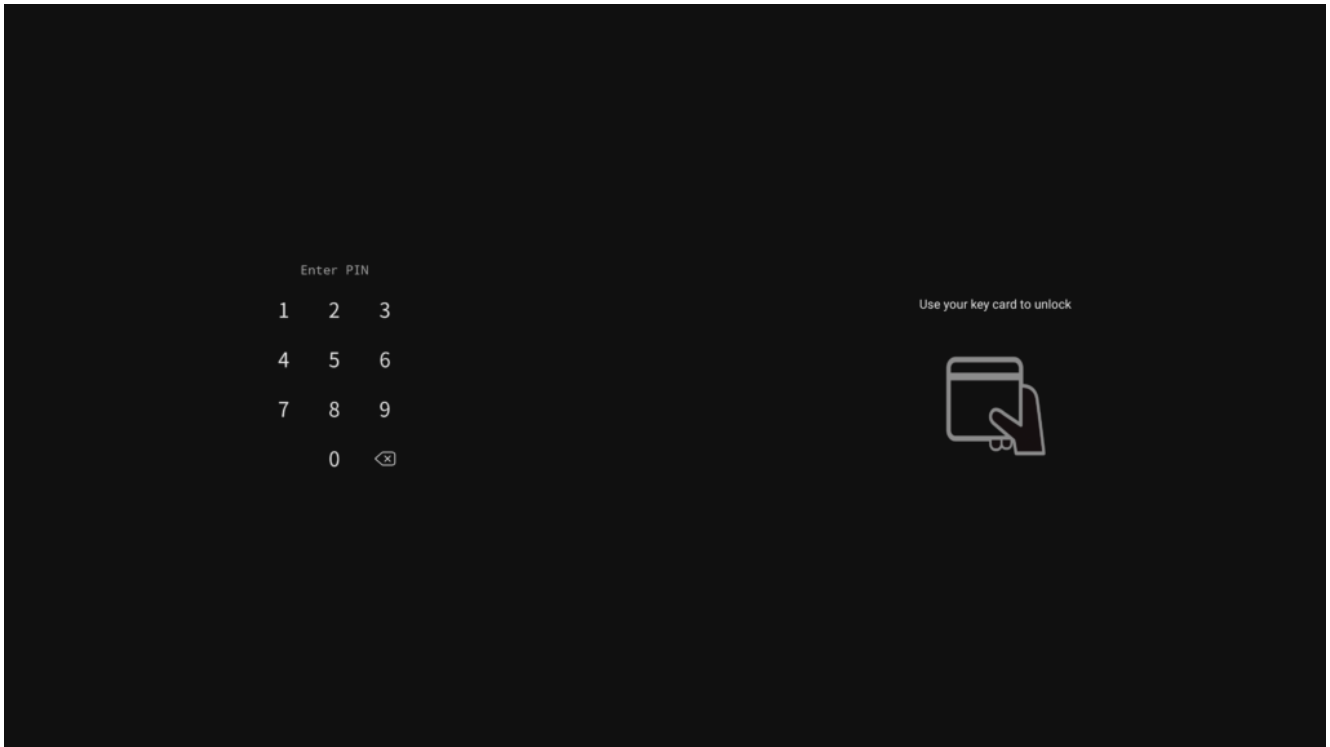
Tap clear to remove the password



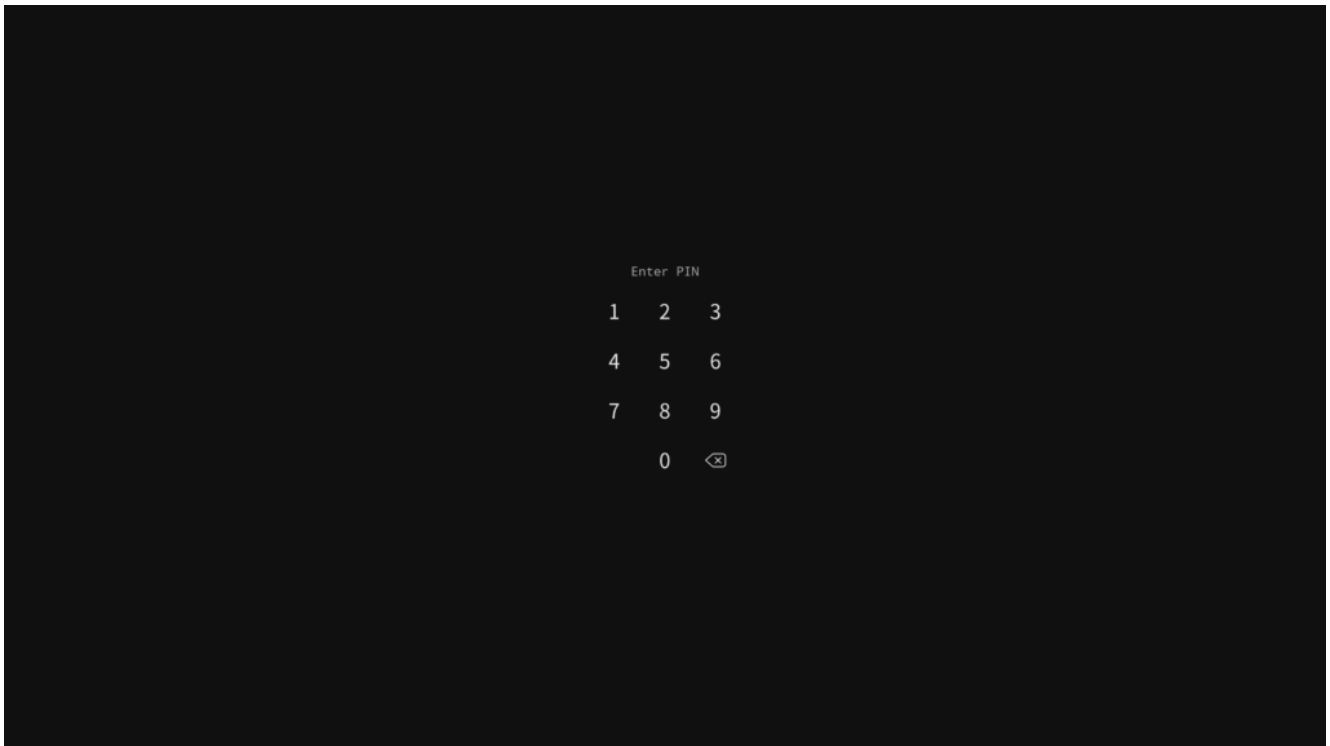


Input the current password to remove it

**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)

