ROFU 3000 Series Bluetooth Access Control Keypads Instructions

BK-3000B

4-3/4" x 2-15/16" x 1-13/16"
(120 x 74 x 46.2 mm)

BK-3000S

4-13/16" x 3" x 2-1/2"
(123 x 77 x 64.2 mm)
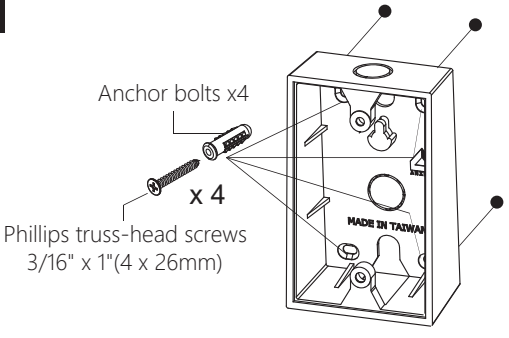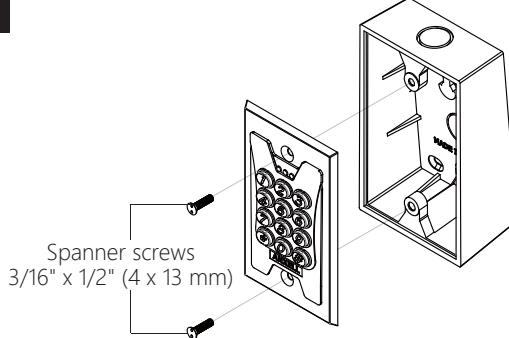
Features

- 1 Administrator, 1000 Users

- 2 Access Modes:
  Use Bluetooth smartphone or
  enter 4 to 8 digit passcode

- Built-in tamper alarm and an 85dB buzzer

- User Management: Add/delete/view user
  data, grant user access for specific dates
  or time periods, change user passcode,
  or enable/disable user access permission

- Audit Trail for the last 1000 events

- The keypad will be disabled for one
  minute after 3 failed passcode attempts.
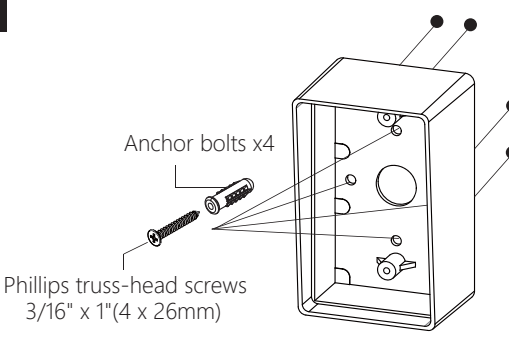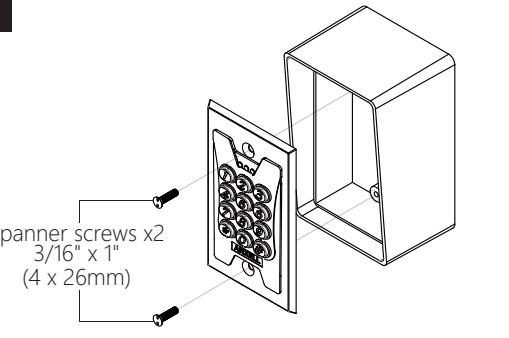
Specifications

- Voltage (Input): 12 to 24 VDC

- Current Draw:
  Standby current: 16mA@12VDC, 7mA@24VDC
  Working current: 18mA@12VDC, 9mA@24VDC

- Bluetooth Module: BLE 4.2

- Operating Distance : Up to 50 meters(164 ft)
  without interference by
  metal or concrete materials.

- Smartphone Compatibility: Android 5.0 to 8.0,
  iOS 9.0 and up

- Finishes/Colors: Black (BK-3000B) and Metallic
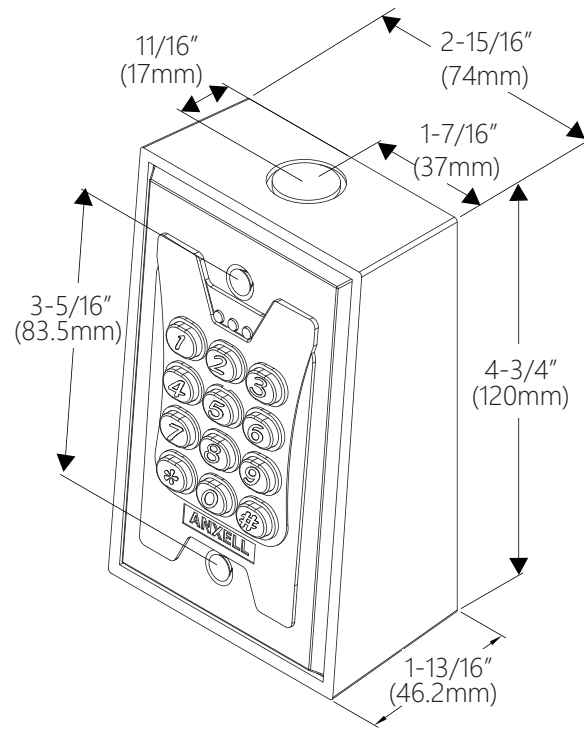 (BK-3000S)

3000 Series Installation Instructions

BK-3000B Installations

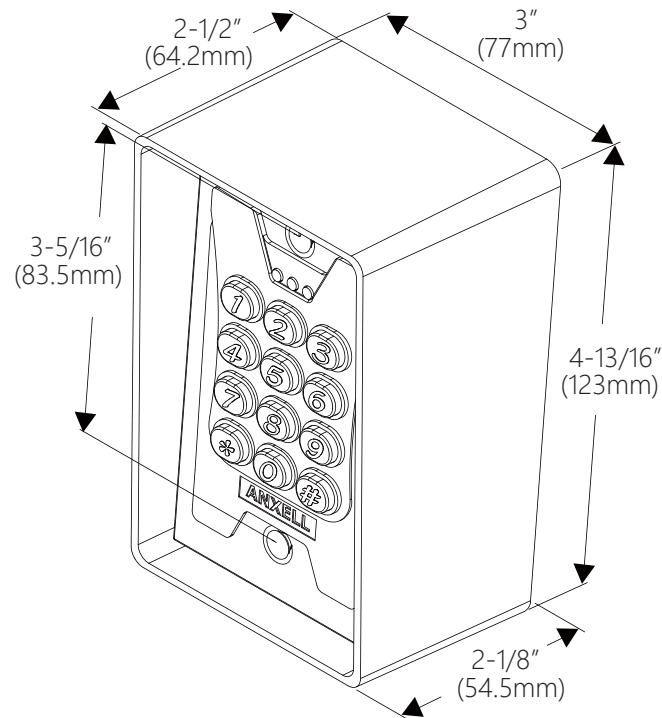| **1**	**2**
Anchor bolts x4 x 4 Phillips truss-head screws 3/16" x 1"(4 x 26mm) MADE IN TAIWAN	Spanner screws 3/16" x 1/2" (4 x 13 mm)
Install the surface mount box using 4 Phillips truss-head screws to anchor into the wall.	Connect the wires and mount the keypad cover to the box with 2 spanner screws to finish installation.

BK-3000S Installations

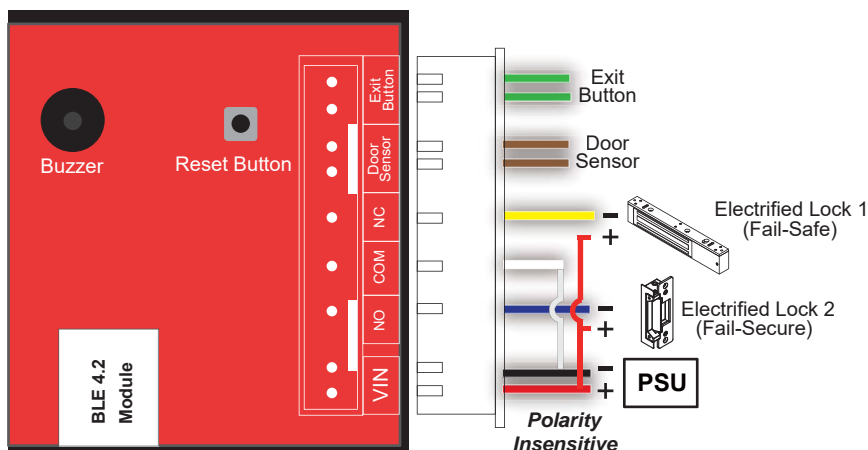| **1**	**2**
Anchor bolts x4 Phillips truss-head screws 3/16" x 1"(4 x 26mm)	Spanner screws x2 3/16" x 1" (4 x 26mm)
Install the surface mount box using 4 Phillips truss-head screws to anchor into the wall.	Connect the wires and mount the keypad cover to the box with 2 spanner screws to finish installation.

Dimensions

11/16″
(17mm)

2-15/16″
(74mm)

1-7/16″
(37mm)

3-5/16″
(83.5mm)

4-3/4″
(120mm)

1-13/16″
(46.2mm)

BK-3000B

2-1/2″
(64.2mm)

3″
(77mm)

3-5/16″
(83.5mm)

4-13/16″
(123mm)

2-1/8″
(54.5mm)

BK-3000S

3000 Series Wiring Diagrams

Buzzer
Reset Button
BLE 4.2 Module

Exit Button
Door Sensor
NC
COM
NO
VIN

Exit Button
Door Sensor
Electrified Lock 1 (Fail-Safe)
Electrified Lock 2 (Fail-Secure)
PSU
Polarity Insensitive

Reset Procedures

How to Reset a Bluetooth Keypad with the Reset Button on the PC board?

1. Power off Access Control Keypad/Reader.
2. Press and hold the Reset Button, then power on.
3. Hear a long beep to complete resetting procedure.
4. Login as Admin and check that all users, audit trail events have been cleared and data has been reset to factory default setting. The device name and device time remains the same.

Crimp connectors included:
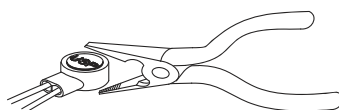
Crimp Connector

Use a pair of crimping pliers designed to crimp insulated connectors.

Place the crimp connector into the compression slot. Be sure the crimping jaws are positioned over the stripped portion of the wire. Squeeze the handles together with enough force to crush the end of the butt splice.

Screw Packages

BK-3000B Screw Pack

| x2 | Security Screw 4 x 13mm (Spanner flat head screw) |
| x1 | Spanner screwdriver |

BK-3000S Screw Pack

| x2 | Security Screw 4 x 26mm (Spanner flat head screw) |
| x1 | Spanner screwdriver |

For All 3000 Series Screw Packs

x4	Anchor bolt
x10	Crimp Connector
x4	Phillips truss-head screw 4 x 26mm

LED & Audible Indicators

LED	Keypad Status
Solid Blue	Power on, Standby mode
Blue Flashing	Bluetooth is connecting
Green	Unlocked, Door always unlocked
Red	Invalid Access, Door always locked

| Audible Beeps	Status
1 Short beep	Key press
1 Long beep	Valid Access, Reset is completed
2 Short beeps	Login completed
3 Short beeps	Incorrect Passcode, Login failure, Forget to press # after entering Passcode within 30 seconds.
Constant beeping	Bluetooth keypad vandalized, Door Sensor is ON

3000 Series APP

(a) Download 3000 Series APP

Download the 3000 Series APP to set up. Scan QR code on the left or go to Apple Store or Google Play depending on what kind of smartphone you use.

(b) 3000 Series App for Administrator and Users

① ② ③
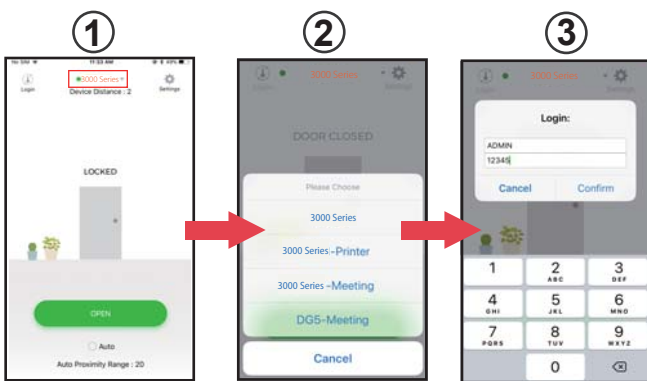
Press ① to go to Devices page. Select the designated Bluetooth device as shown on ② .

Login first ③,

・**Administrator : Enter Admin ID and Admin Passcode to login.**
 Default Admin ID: ADMIN
  Default Admin Passcode: 12345

・**User : Enter User ID and User Passcode to login.**
  User ID and User Passcode are given by the Administrator.

[Note]

1. Administrator ID"ADMIN" can not be changed. We recommend changing Admin's default passcode "12345" right after you login as the Admin. Go to settings page, tap Admin Passcode to edit Admin Passcode.
2. Admin passcode and User passcode are also used as keypad access passcodes.

(c) Administrator Settings Page

① ②
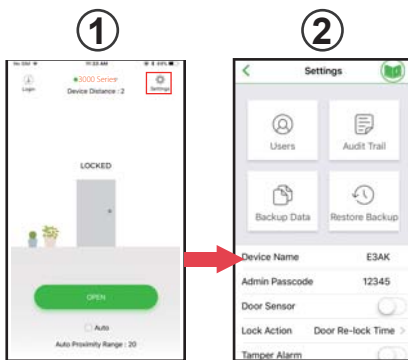
Press [Settings] ① to go to "Settings" page as shown ② .
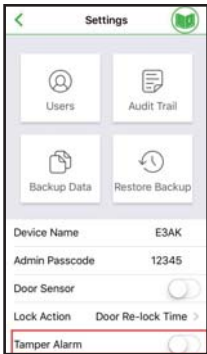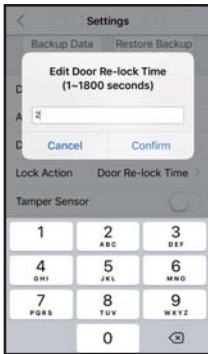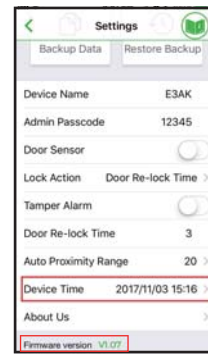Click to select the device name and press the OPEN button or the door icon to unlock".
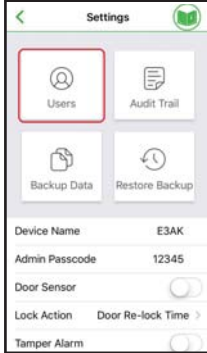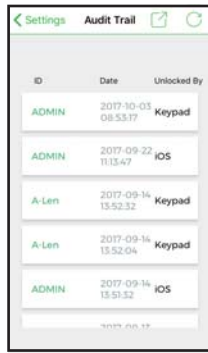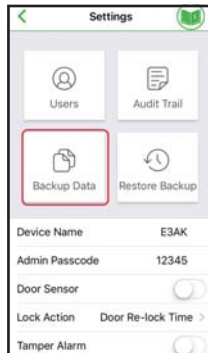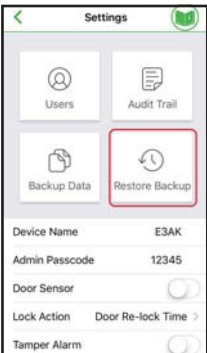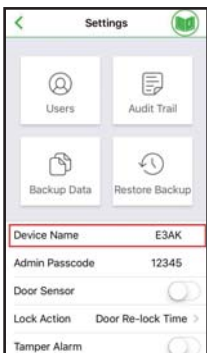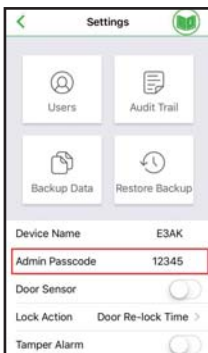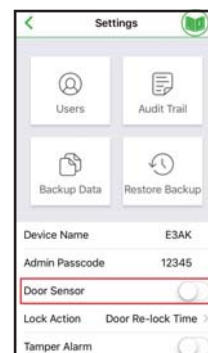
(d) Administrator Settings Page Users Management
Add / Delete / Edit User Information
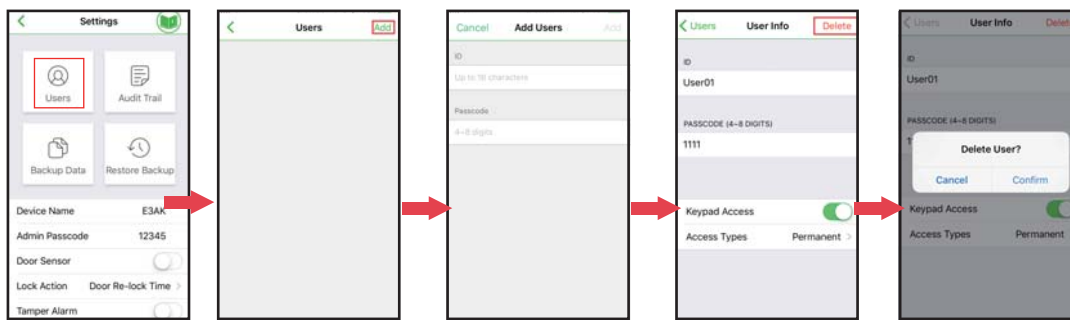
Press "Users" to edit individual user's information. You can add a user, delete a user, and select individual user to adjust an specific setting.
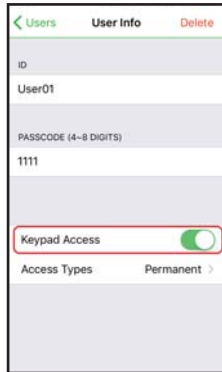
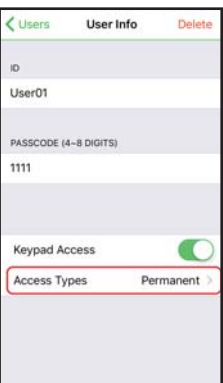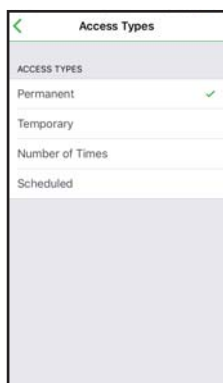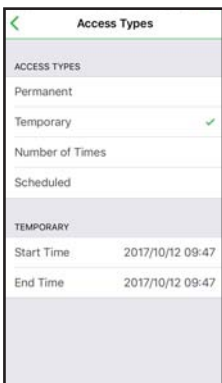Note: User passcode is set as keypad access code and access type is set to permanent by default.
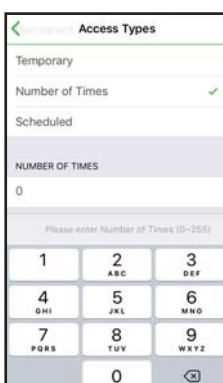
3000 Series APP

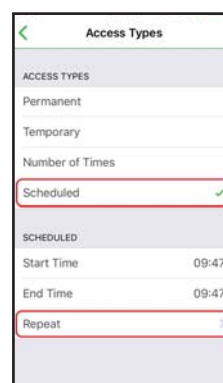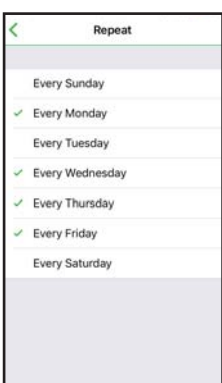## Administrator Settings Page Introductions :

Users

You can Add / Delete / Edit user information.

Audit Trail

Audit Trail is tracking last 1000 event logs, including Tamper Alarm. Audit Trail can be exported in an excel file.
Tap ⬈ to export all events to excel file.
Tap ↻ to refresh all events.

Backup Data

Backup Data is to backup all data to Administrator's phone and can be restored except Device Name, Audit Trail logs and Device Time.

Restore Backup

You can restore the last backup data to a new Access Control Keypad / Reader.

Device Name

Device name can be edited as a model number, Office, Front door, Gate, etc.

Admin Passcode

12345 is Admin default passcode. It's important to change your Admin passcode immediately.

Door Sensor

You can enable Door Sensor when you connect to a closed-circuit magnetic sensors or a monitored door lock that has door sensor (or lock sensor) outputs to monitor the open or closed state of a door.

Lock Action

3 options. You can choose Door Re-lock Time, Door Always Unlocked and Door Always Locked.

Tamper Alarm

You can activate Tamper Alarm. If the device is vandalized, the tamper alarm will howl immediately and won't go off until it's switched off by Administrator.
Tamper Alarm is deactivated by default.

Door Re-lock Time

You can set the door re-lock time interval between 1 to 1800 seconds.

Device Time / Firmware Version

Make sure to set up Device Time precisely as your current time zone of where you are. It helps having correct and precise access data and information.
See firmware version of Bluetooth access and control keypad/reader.

About Us

Tap " About Us" to show Device Model, APP version, website and E-Mail information.

3000 Series APP

Administrator Settings Pages – Users Management
Edit User Information

ID	PASSCODE	Keypad Access

ID

Tap user " ID" to Edit ID (up to 16 character).

PASSCODE

Tap user "PASSCODE" to Edit PASSCODE (4 to 8 digits).

Keypad Access

You can enable/disable keypad access for a user.

Access Types

Tap "Access Types" to choose Permanent, Temporary, Number of Times, or Scheduled. The App is set to give Permanent access by default.

Temporary

Tap " Temporary" to set specific access time periods.

Number of Times

Tap "Number of Times" to set number of access granted to user.

Scheduled

Tap "Scheduled" to assign repeatedly access on specific days and hours for a certain period of time. This setting is useful when temporary access on a regular basis is needed.

Auto Proximity Range Adjustment and Auto unlock Function
Administrator Interface:

figure ① Tap ① to go to Device list page as ②.

figure ② Select the desired Bluetooth Access Control Keypads/Readers around you.

Tap ④ Settings button to go into Settings page as figure ③ to select "Proximity Read Range"

figure ⑤ Adjust "Auto Proximity Range" for Auto unlock function between 0 to 20.

figure ⑥ Back to the main page. Tap "Auto" to enable Auto unlock function to access.

Auto Proximity Range Adjustment and Auto unlock Function
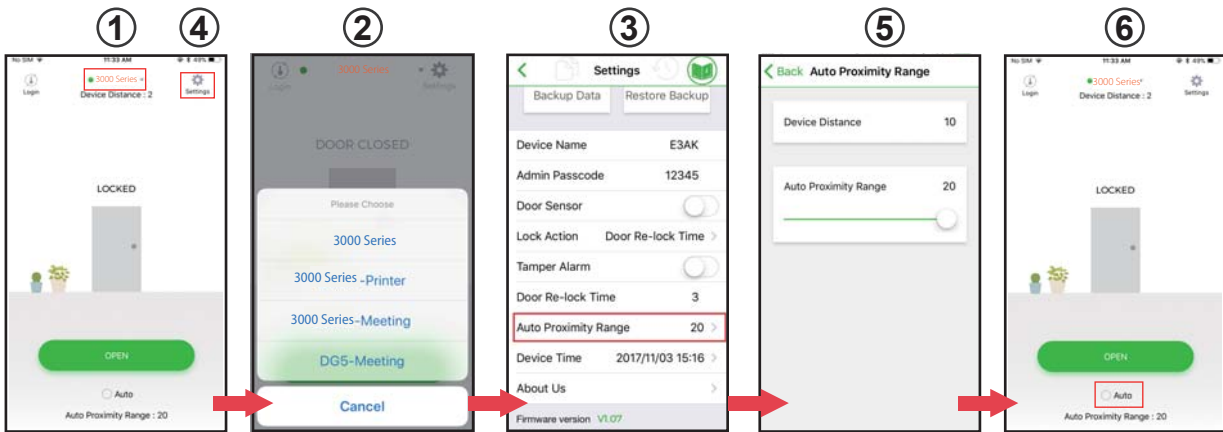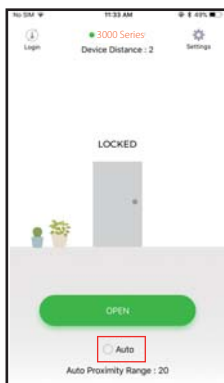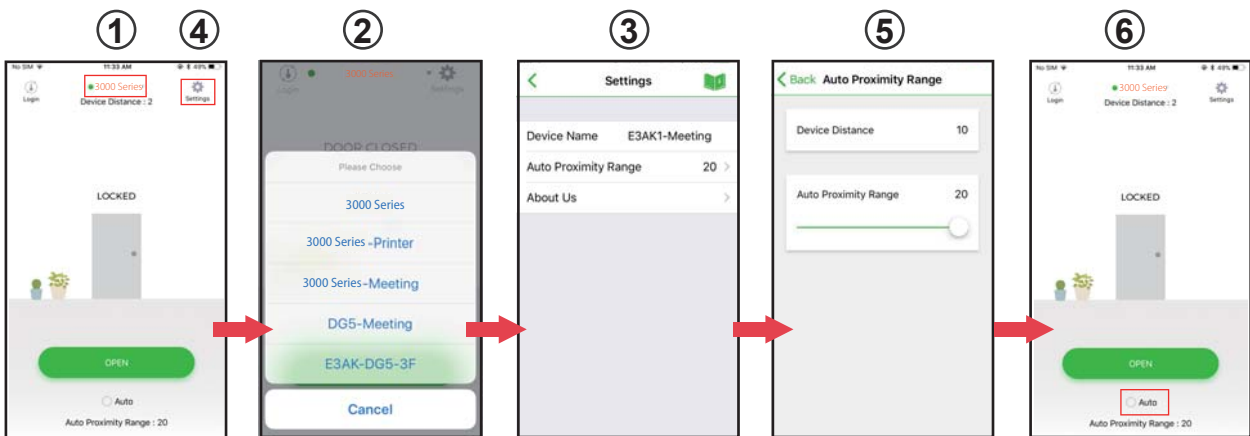## User Interface:

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figure ⑥ Back to the main page. Tap "Auto" to enable Auto unlock function to access.

Note:

Make sure to disable Auto before pressing ⚙ Settings to enter Settings page.

Auto proximity range indicates approximate distance between mobile app and Bluetooth keypad/reader. Scale is arbitrary.

ROFU 3000 Series Bluetooth keypad can be accessed either to unlocked or logged in with your Smartphone when the devices are within 50 meters (164 ft) distance. The response time of Bluetooth signal may vary depending on mobile device.

Bluetooth range up to 50 meters (164 ft)
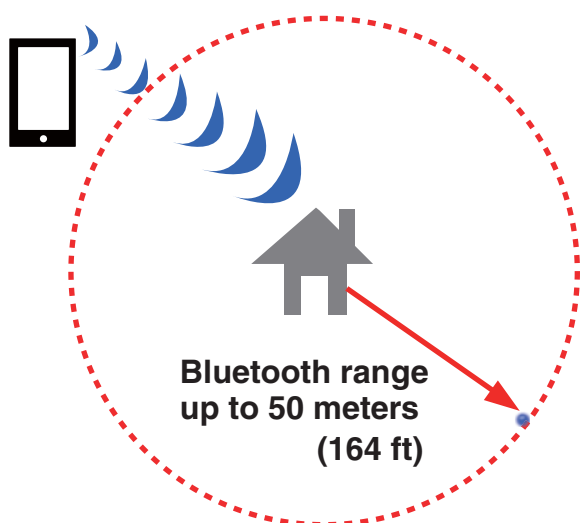
Keypad Passcode Access

After login is complete, you can enter your Passcode follow by "#" to unlock the door.

For example:
If your passcode is 12345, enter 1 2 3 4 5 # .