E-Access ®

E3AK Access Control Keypads Instructions

E3AK1	E3AK2	E3AK3	E3AK4
4-3/4" x 2-15/16" x 1-13/16" (120 x 74 x 46.2 mm)	4-1/2" x 2-3/4" x 1-5/8" (114 x 70 x 41 mm)	4-13/16" x 3" x 2-1/2" (123 x 77 x 64.2 mm)	3-7/16" x 3-7/16" x 1-3/4" (87.3 x 87.3 x 45.2 mm)

Features

- 1 Administrator, 1000 users

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

- Built-in tamper alarm and buzzer 85dB

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

- Audit Trail logs for last 1000 events

- The keypad will be disabled for one minute when 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 blocking by metal or concrete wall/door frame.

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

- Finishes/Colors: Dark Brown or Navy

E3AK Installation Instructions

E3AK1 Installations

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

E3AK2 Installations

1	**2**
Anchor bolts x4 x 4 Truss head phillips screws 3/16" x 1"(4 x 26mm)	Cover caps x4 Flat head phillips screws x2 3/16" x 1/2"(4 x 12mm)
Install the surface mount box using 4 truss head phillips screws and the anchor into the wall.	Connect the wires and mount the keypad cover to the box with 2 flat head phillips screws. Insert the cover caps and finish installation.

E3AK3 Installations

1	**2**
Anchor bolts x4 Truss head phillips 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 truss head phillips screws and the anchor into the wall.	Connect the wires and mount the keypad cover to the box with 2 spanner screws. Finish installation.
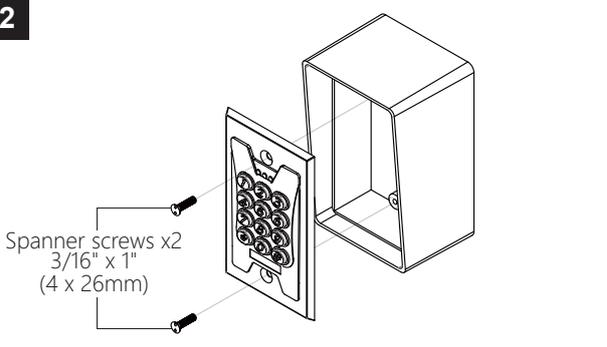
E3AK Installation Instructions

E3AK4 Installations

1

2-9/16" (65mm)
2-3/8" (60mm)
5/16" (8.5mm)
3/16" Ø4
3/8" Ø10
3/16" Ø4
2-1/8" (53.5mm)
5/16" (8.5mm)

Position the template onto the wall and then drill a center hole cable access and 4 mounting holes.

2

Truss head phillips screws x 4
3/16" x 1"(4 x 26mm)

Pan head phillips screws x 2
3/16" x 1-3/16"
(4 x 30mm)

Anchor bolts x4

Cover caps

Install the base plate using 4 truss head phillips screws, and then mount the keypad cover with 2 pan head phillips screws. Insert the cover caps and finish installation.

* Use the pan head phillips screw - cone point when installing the device without the base plate.

Dimensions

E3AK1

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)

E3AK2

1-5/8" (41mm)
2-3/4" (70mm)
4-1/2" (114mm)

E3AK3

2-1/2" (64.2mm)
3" (77mm)
3-5/16" (83.5mm)
4-13/16" (123mm)
2-1/8" (54.5mm)

E3AK4

3-7/16" (87.3mm)
3-7/16" (87.3mm)
2-3/8" (60mm)
1-3/4" (45.2mm)
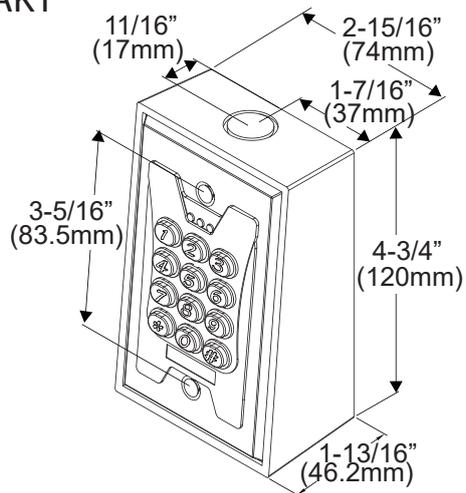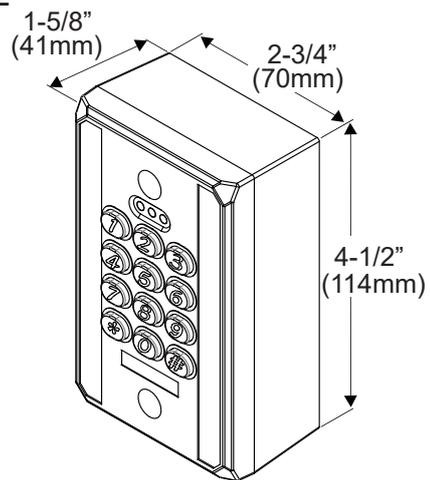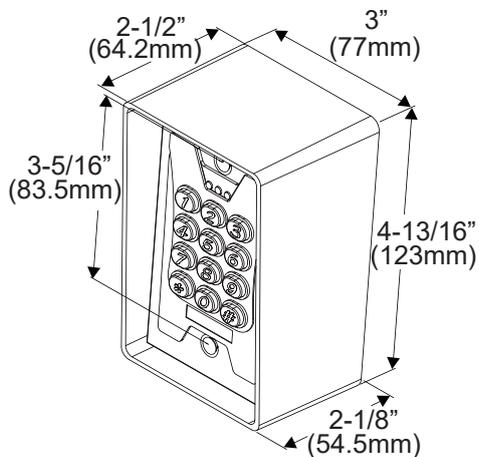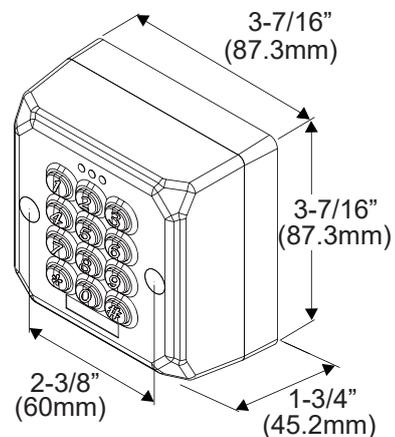
E3AK1, E3AK2, E3AK3, E3AK4 Wiring Diagrams

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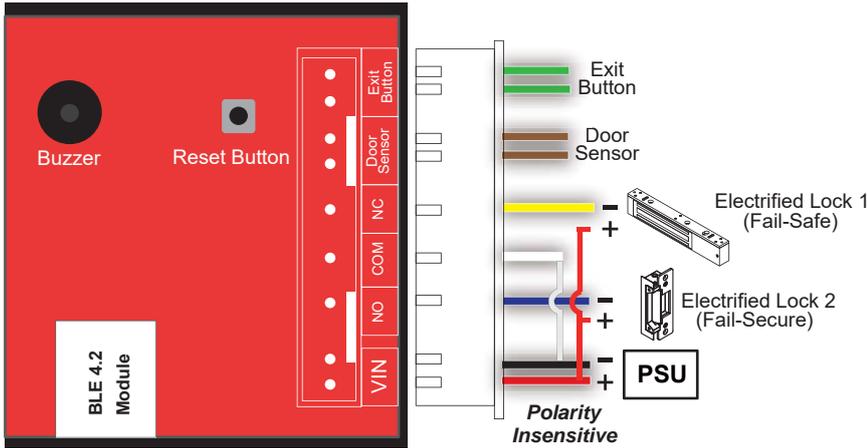
Reset Procedures

How to Reset a Bluetooth Keypad with 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 procedures.
4. Login as Admin and check all users, audit trail events are all cleared and all data is reset to factory default setting, except device name and device time.

Crimp connectors included:
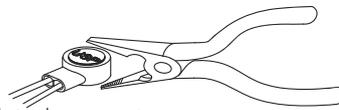
Crimp Connector

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

E3AK1 Screw Pack

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

E3AK2 Screw Pack

x2	x4
Flat head phillips screw 4 x 12mm	Cover cap

E3AK3 Screw Pack

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

E3AK4 Screw Pack

x2	x4
Pan head phillips screw, Flat point 4 x 30mm	Cover cap

For All E3AK Screw Packs

x4	Anchor bolt
x10	Crimp Connector
x4	Truss head phillips 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

E3AK APP

(a) Download E3AK APP

Download the E3AK 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) E3AK App for Administrator and Users

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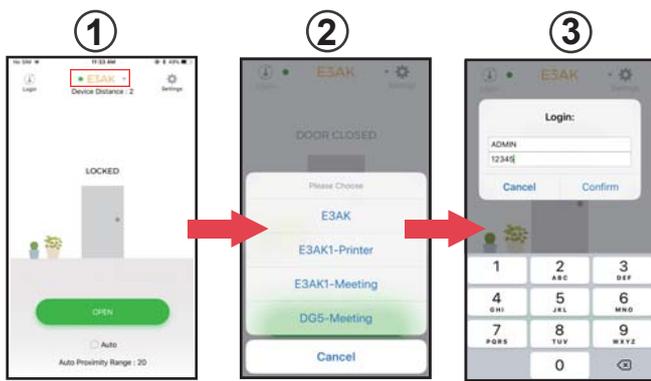
Press ① to go to Devices page. Select the designated Bluetooth device as shown on ②.

Login first,

・**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 Passcode access.

(c) Administrator Settings Page

① ②
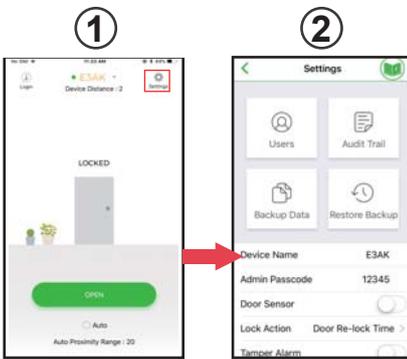
Press ⚙Settings ① to go to "Settings" page as shown ②.

(d) Administrator Settings Page Users Management
Add / Delete / Edit User Information
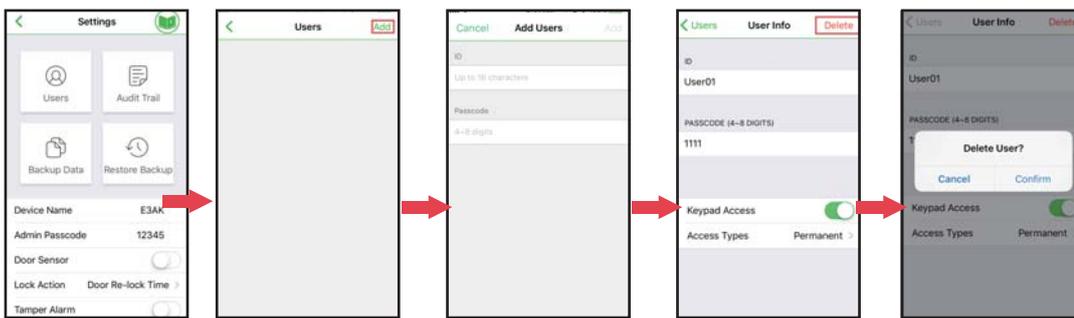
Press "Users" to edit individual user's information. You can add a user, delete a user, and select individual user to give specific settings.

E3AK APP

Administrator Settings Page Introductions :

Users

You can Add / Delete / Edit user information.

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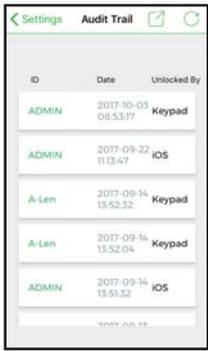
Audit Trail is tracking last 1000 event logs, including Tamper Alarm. Audit Trail can be exported in an excel file.
Tap ⤴ to export all events to excel file.
Tap ↻ to refresh all events.

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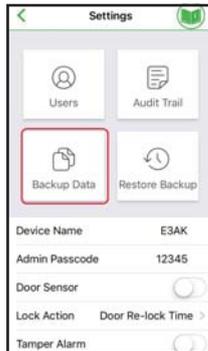
Backup Data is to backup all data to Administrator's phone and can be restored except Device Name, Audit Trail logs and Device Time.

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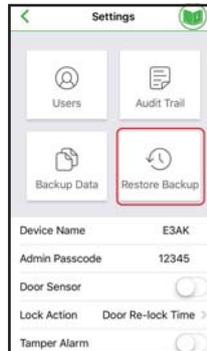
You can restore the last backup data to a new Access Control Keypad / Reader.

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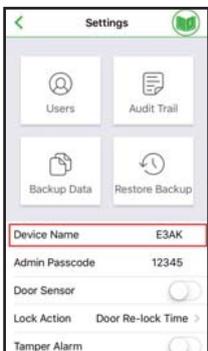
Device name can be edited as a model number, Office, Front door, Gate, etc.

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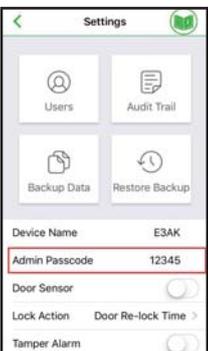
12345 is Admin default passcode. It's important to change your Admin passcode immediately.

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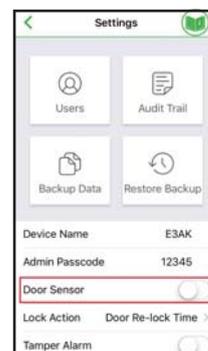
You can enable Door Sensor when you connect to a closed-circuit magnetic sensors or a monitored door lock that has door sensor (or lock sensor) outputs to monitor the open or closed state of a door.

Lock Action

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

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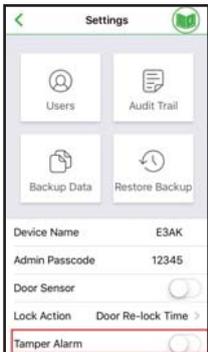
Tamper Alarm is deactivated by default. You can activate Tamper Alarm. If the device is vandalized, the tamper alarm will howl immediately and won't go off until it's switched off by Administrator.

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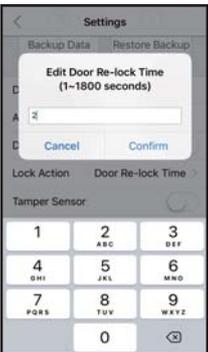
You can set the door re-lock time interval between 1 to 1800 seconds.

Device Time

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.

About Us

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

E3AK APP

Administrator Settings Pages – Users Management
Edit User Information

ID	PASSCODE	Keypad Access
Tap user " ID" to Edit ID.	Tap user "PASSCODE" to Edit PASSCODE.	You can enable/disable keypad access for a user.
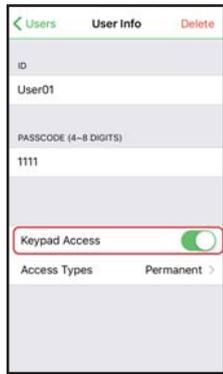
Access Types
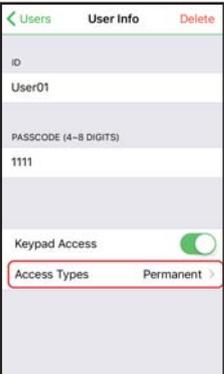
Tap "Access Types" to choose Permanent, Temporary, Number of Times, or Scheduled. The App is set to give Permanent access by default.

Temporary
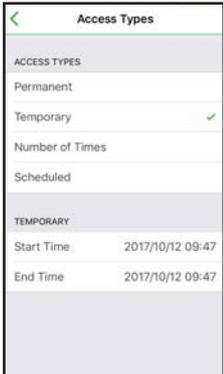
Tap " Temporary" to set specific access time periods.

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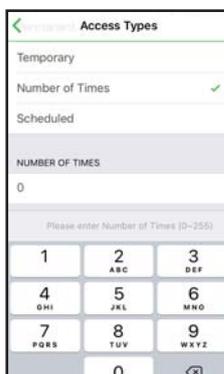
Tap "Number of Times" to set number of access granted to user.

Scheduled
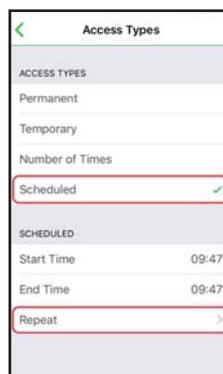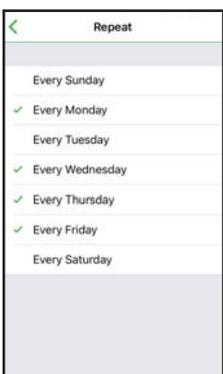
Tap "Scheduled" to assign repeatedly access on specific days and hours for a certain period of time. This setting is useful for house cleaners and other guests that need temporary access on regular basis.

E3AK APP

Auto Proximity Range Adjustment and Auto unlock Function
Administrator Interface:
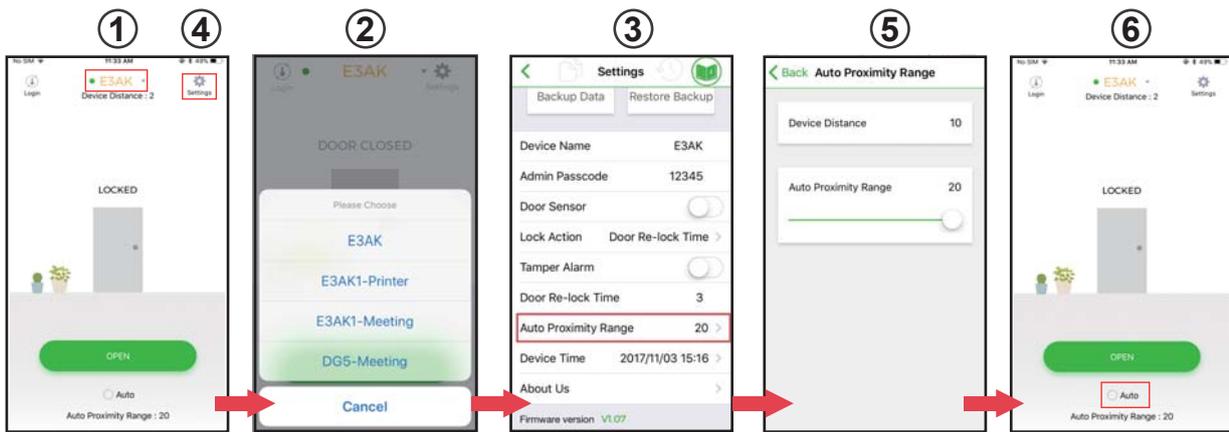
① ④ ② ③ ⑤ ⑥

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:
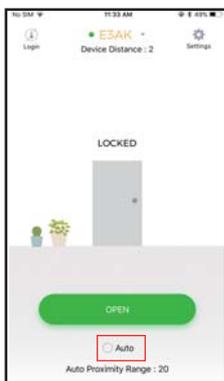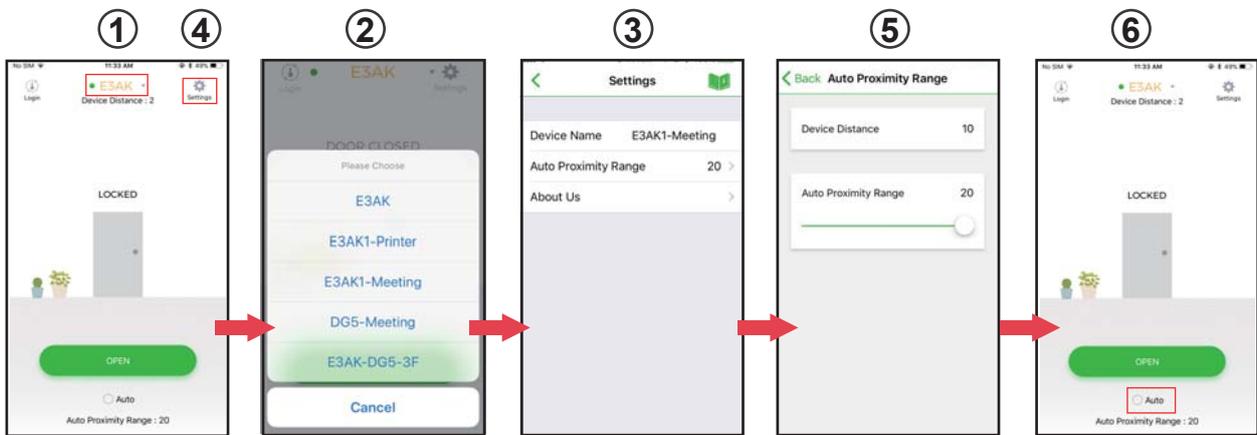
① ④ ② ③ ⑤ ⑥

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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.

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

Note:

Stand next to the E3AK Bluetooth keypad when you want to connect the Smartphone to unlock or login, the Bluetooth keypad can detect signal up to 50 meters (164 ft) distance. The response time of Bluetooth signal may vary depend on various mobile device models.

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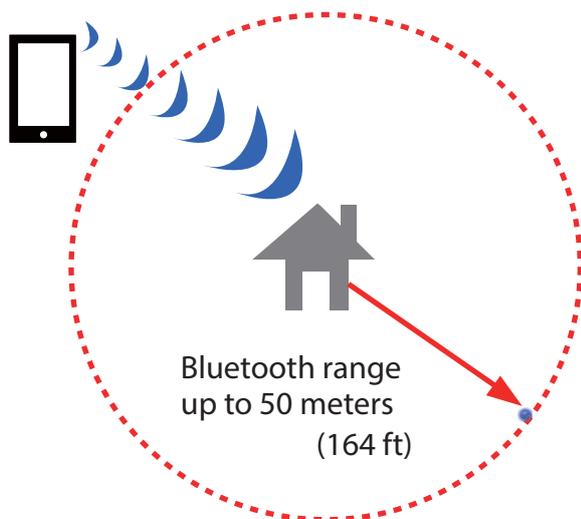
Keypad Passcode Access

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

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