

ER200 User Manual



1. Characteristics

1. SMARTPHONE App

Access through Smartphone Application by BLE communication with ER200.

2. RFID READER

Access through RFID CARD.

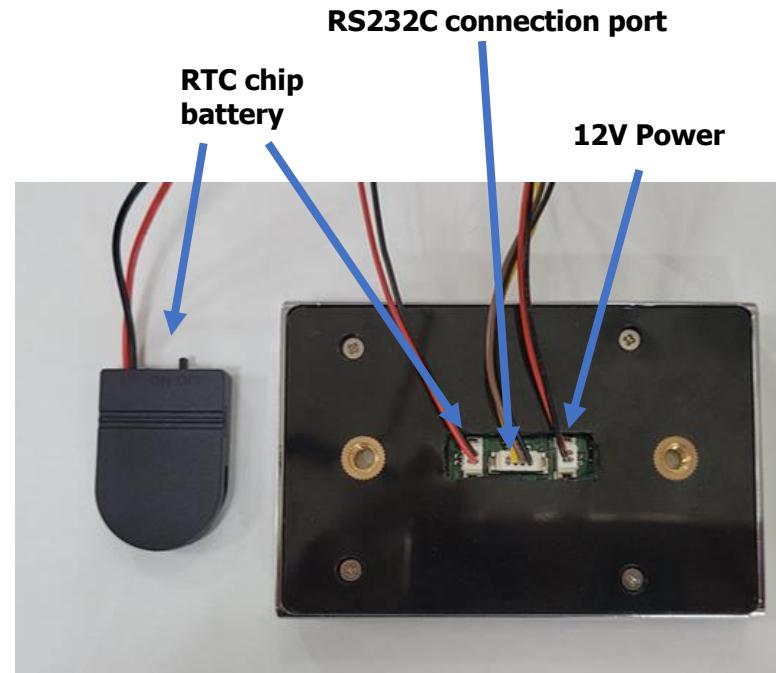
3. RS232C

Data communication between RS232C and **accessories**.

2. ER200 Parts names

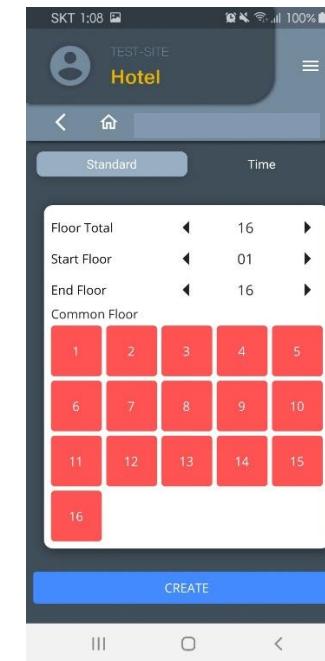
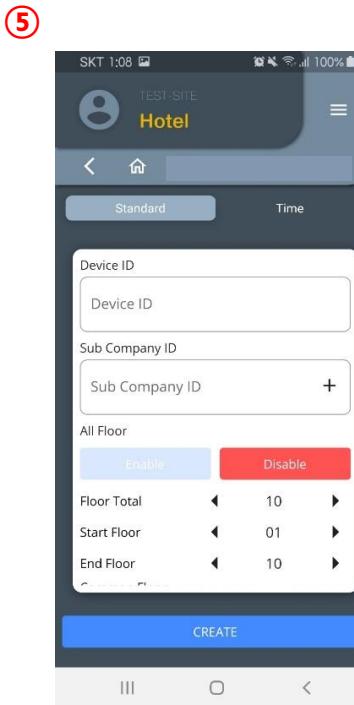
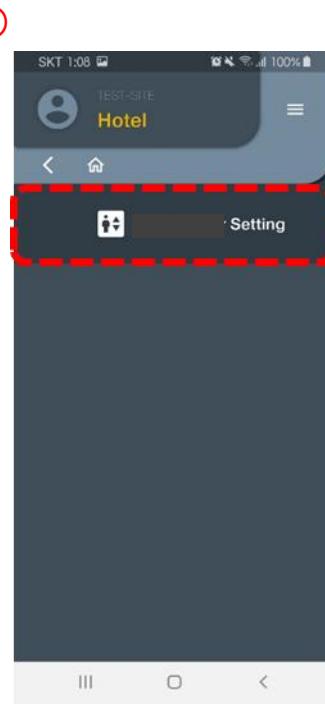
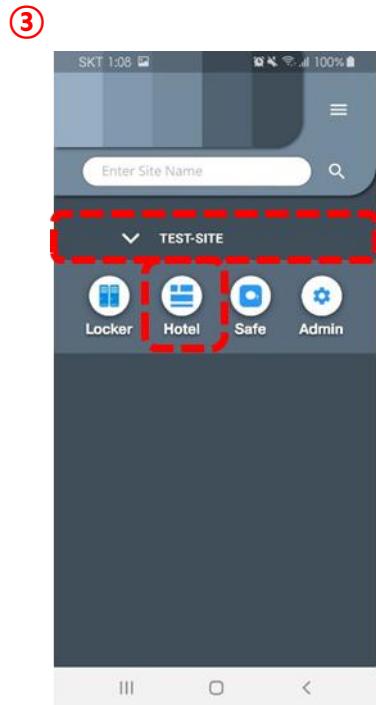


RFID READER (FRONT)



RFID READER (REAR)

3-1. Setting ER200 Reader



How to set Reader - Embedded type

1. Select a Device
Select a Hotel
2. Select the Setting
3. Enter required information
Device ID = XXXX (4 digit number)
Sub Company ID = KEY VENDOR ID
(TEST default = 001001)
ALL Floor = Select Enable / Disable
Floor Total = Enter the whole floor number
Start Floor = Enter the start floor number
End Floor = Enter the last floor number
Common Floor = Select the common floor
**>>For test, enter
Device ID = 0015
Sub Company ID = 001001**
And push CREATE button.

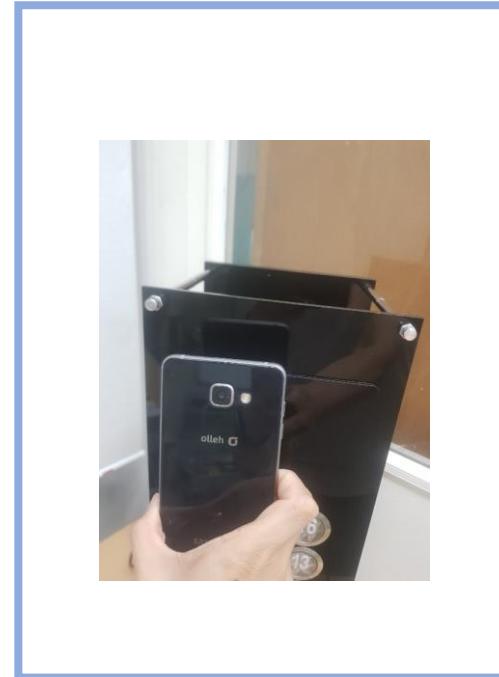
3-2. How to use ER200

How to use Reader - Embedded type

①



②



Using RFID

Using App (BLE)

1. Check if the cards (guest card / maintenance card / maid card) that were issued from the client program are working on the reader.

2. Check if the smartphone APP works on the reader by BLE communication.

3-2. How to use ER200

How to use Reader - Embedded type

①	Item	Sound	LED	G	R	R
①	Authentication verified	Tick	Green	●		
②	Invalid (Expired)	Tick Tick Tick	Red		●	
③	Not available	Ti~~~ck	Red			●

1. LED and sound when using available RF card

2. LED and sound when using expired RF card

3. LED and sound when using not available card

4. ER200 Specification



Item	RFID / Reader
CPU	32-bit ARM® Cortex™-M4
User Credential	RFID card / QR code / App (BLE)
RFID Protocol	ISO 14443A / MIFARE / DESFIRE
Security	AES 128
FW Update	BLE
LED	RGB indicator
Wire communication	RS232C
Material (Color)	Acrylic (Black, White, Transparent, Translucent, etc)
Size	15 X 7 cm
Certificate	KC
Power	DC12V 1.5A (Adapter - optional)
RTC Backup battery	CR2032 1ea
Indicator	Buzzer, LED
Operating Temperature	0 ~ 50°C

5. Regulatory Statement

The revised User Manual does not contain the FCC required warning statements.

a. **Rule Part 15.19(a)(3):** This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

b. **Rule Part 15.21:** The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

Responsible Party –

Cardcom

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