

Aegis 7000 Management System

NE7 - Network Encoder

User's manual

Introduction

The NE7 network encoder is an essential component of the online electronic locking system. It encrypts and issues resident, system, and management keycards for electronic door locks. To ensure proper connectivity, it is necessary to establish an Ethernet LAN connection with the server. We also use the network encoder (NE7) as the bridge for synchronizing data between the Maintenance app and the online server.

Before you get started

Before setting up the network encoder (NE7) device, install the online system and maintenance app first. Assign the IP address to the network encoder (NE7) device. You also need to install the electronic door locks before testing.

NE7 Functionality

- Encrypt empty keycard
- Issue the resident keycards
- Issue the system and management keycards
- Synchronize system data
- **Installations**

Operations

1. Install network encoder (NE7) device
Open the Maintenance app -> click install device -> click install encoder -> Connect power supply to the encoder, plug out the encoder ethernet cable, and click "SCAN" button to scan QR CODE -> fill in encoder's network information and click submit button -> plug in the encoder ethernet cable
2. Register network encoder (NE7) device

Open the Maintenance app -> click register device -> fill in the account and password information and click the LOG IN button -> Scan the QR CODE image on the network encoder (NE7) device -> click Start registration button

3. Synchronize data

Open the Maintenance app -> click the "Scan QR CODE" button -> scan the QR CODE image on the network encoder (NE7)

4. Confirm network encoder (NE7) device status

Login to the website -> Navigate to "Device -> Encoder" page -> confirm the network encoder (NE7) device status on the website

Encrypt empty keycard

Operations

1. Login to the website on the online system by using the web browser

2. Encrypt the empty keycard

Navigate to "Card -> Card encryption" page -> put an empty keycard on the NE7 -> click encrypt button

Issue the resident keycards

Operations

1. Issue Data on card keycard

Login to the website -> navigate to "Room map" page -> choose room number and right click -> Select "Data on card" -> fill in access information -> put a keycard on the network encode (NE7) -> click Issue card button

2. Issue Card on network keycard

Login to the website -> navigate to "Room map" page -> choose room number and right click -> Select "Card on network" -> fill in access information -> put a keycard on the network encode (NE7) -> click Issue card button

Issue the management keycards

Operations

1. Issue Lock setting card

Login to the website -> navigate to "Card -> Lock setting card" page -> fill in the information -> click Issue card button

2. Issue Lock clear card

Login to the website -> navigate to "Card -> Lock clear card" page -> fill in the information -> click Issue card button

3. Issue Network card

Login to the website -> navigate to "Card -> Network card" page -> fill in the information -> click Issue card button

4. Issue Reset network card

Login to the website -> navigate to "Card -> Reset network card" page -> fill in the information -> click Issue card button

5. Issue Time card

Login to the website -> navigate to "Card -> Time card" page -> fill in the information -> click Issue card button

6. Issue Grand master card

Login to the website -> navigate to "Card -> Grand master card" page -> fill in the information -> click Issue card button

7. Issue Building master card

Login to the website -> navigate to "Card -> Building master card" page -> fill in the information -> click Issue card button

8. Issue Floor master card

Login to the website -> navigate to "Card -> Floor master card" page -> fill in the information -> click Issue card button

Synchronize system data

Operations

1. Synchronize data

Open the Maintenance app -> click the "Scan QR CODE" button -> scan the QR CODE image on the network encoder (NE7)

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

FCC Warning:

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 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The FCC certification for this device pertains to testing for RF exposure under standard operating conditions. These conditions specify that a person should maintain a distance of no less than 20 centimeters from the device's surface at all times, except for occasional, short-term instances lasting around seconds. The device is demonstrated to meet the FCC RF Exposure requirements outlined in KDB 447498 only under the specified conditions.

Visit www.TownSteel.com for more.

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