

# E-Plex 7900

## Electronic Lock

# E-Plex

E-Plex E7900 Hardware/Software  
Setup Guide



# Introduction

This guide is intended to walk you through the basic steps involved in setting up an E7900 lock to work with your host software. The steps include both the physical setup of your lock (done by hardware installer) and the software setup done using your chosen software platform.

The following color code is used throughout this document to distinguish the hardware installation from the software setup steps:

- Hardware Installation (physical)
- Software Setup & API

For more specific information pertaining to setting up your lock, please consult the documentation provided by your hardware and software providers respectively.

## Lock Management Software Setup

Consult your software provider for instructions on how to perform the following tasks as they pertain to E-Plex.

1. Perform Site Survey ( done by hardware installer)
  - a. See E7900 User Guide for more details on how to perform site survey. This document can be found here under "Downloads" > [https://www.dormakaba.com/us-en/offering/products/electronic-access-data/electronic-door-locks/e-plex-7900-series-for-partner-integrations--dk\\_107100](https://www.dormakaba.com/us-en/offering/products/electronic-access-data/electronic-door-locks/e-plex-7900-series-for-partner-integrations--dk_107100)
2. Install Locks on Doors
3. Access Control Software Installation, Licensing, etc.
  - a. The steps of installation will vary depending on the software platform used.
  - b. Install Software and all necessary licenses and installers.
  - c. IT configuration / Ports / Inbound Rules
4. API Installation
  - a. This could be part of the ACS installer, or it could be a separate installer.
    - i. TBD based on the preference of the specific software being used.
5. Site Creation via API Call (within Software GUI) – Create Site
6. Configuring a Gateway (Via USB)
  - a. *This step should also automatically add the gateway to the E-plex database*
  - b. Configure all gateways required for site at this time
7. Manually install Gateways (physically connected via Ethernet)
8. Manually install Repeaters if required... (power only)
9. Gateway Hierarchy 1 Setup. Note the installer/integrator should set up the Gateway, any repeaters and locks falling under a Gateway hierarchy. Each gateway hierarchy should be set up before moving to the next hierarchy.
  - a. Place gateway\* into Join-on mode via API Call (within Software GUI) to allow gateways to add repeaters (if needed) and Locks.

- b. \*NOTE: only allow one gateway in a join-on mode at a time. This ensures that repeaters & Locks connect to the correct gateway as planned in site survey.
    - i. A time period must be specified to tell gateways how long to stay in "join-on" mode. This is done via API Call (within Software GUI)
      - 1. Ensure time period is appropriate to carry out steps C & D.
  - c. Adding Repeaters
    - i. Configure all repeaters for gateway
      - 1. Physical button press (hold reset button 3-5 seconds, or until LED response) on power up to default to "factory default mode"
      - 2. After 90 seconds, press reset button one time to place in "repeater" mode.
      - 3. Repeater will automatically connect to gateway if gateway is in join-on mode.
  - d. Add Locks
    - i. Factory reset lock to ensure it is in default factory mode.
      - 1. Reset to factory card, factory, and physical key needed.
        - a. Turn key
        - b. Present reset to factory card
        - c. Present factory card.
        - d. Wait for lock to react (*LED indication and motor run sound*)
        - e. Ensure key is removed and stored/saved.
    - ii. Present ZAC Card to place lock in "join on" mode.
      - 1. Locks should connect to available repeaters of gateway
        - a. Locks should provide RED/GREEN LED indication while connecting
          - i. Green LED – success
          - ii. Red LED – failed
  - e. Note: These steps encourage setup of Gateway, followed by all repeaters and locks connected to Gateway to create a Gateway Hierarchy. Before setting up additional gateway hierarchies (with subsets of repeaters and locks) ensure that a **Join-Off** command is set for the first hierarchy.
10. Repeat step 9 (and sub-steps of 10) as necessary, to add additional Gateways, Repeaters and Locks.
11. Configure Lock
- a. After all locks are on-line (connected) to appropriate gateway hierarchy lock configuration can begin.
  - b. Lock configuration includes the following lock settings:
    - i. Function type, unlock time, tamper count, shunt timer, manual passage duration and door help open time.
12. All Other Site / User configuration:
- a. Optional Sequence – **Highly Dependent on GUI from PAC Software**
    - i. E-Plex Lock Software Setup
      - 1. Master Credential / Pin
      - 2. Create Holidays / Schedules
      - 3. Adding Users
        - a. Configure User Access
          - i. User type
      - 4. Assigning Credentials to Users
      - 5. Assigning Schedules to User Groups or Door Groups.



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