



# SENSEON PLUS PROGRAMMING GUIDE

HANDHELD



# PROGRAMMING GUIDE

## TABLE OF CONTENTS

1. Introduction .....	3
1. Managing Users .....	3
2. Audit Trail .....	3
3. Advanced Settings .....	3
2. Programmer Setup .....	4
1. Authentication .....	4
2. Time Verification .....	4
3. Administrator & User Description .....	6
1. Administrator .....	6
2. User .....	6
4. Adding Cards .....	6
5. Modifying Cards .....	9
6. Removing a Card .....	11
7. Audit Trail .....	12
8. System Settings .....	13
1. Lock Mode .....	14
2. Unsecure Warning .....	15
3. Delay to Open .....	15
4. Dual Authorization .....	15
5. Relock on Open .....	15
6. Alarm .....	15
7. Sound .....	16
8. Lights .....	16
9. System Time .....	16
10. Copy & Transfer .....	16
9. Exit Programming Mode .....	17

# 1 Introduction

The **Senseon Plus Handheld Programmer** streamlines the programming of your Senseon Plus system. The Handheld Programmer enables configuration of Senseon Plus system's advanced capabilities, notably:



**Discrete Access**



**Dual Authorization**



**Audit Trail Logs**



**Touch-Screen Programming**

## 1.1 Managing Users

The Programmer makes adding, modifying, and removing users easy and intuitive. On-screen prompts let you manage user permissions with ease.

## 1.2 Audit Trail

You can download your system's audit trail data via the Programmer's touch-screen. On-screen prompts will guide you through each step of the download process guide you through.

## 1.3 Advanced Settings

The Programmer lets you access advanced settings for your Senseon Plus System.

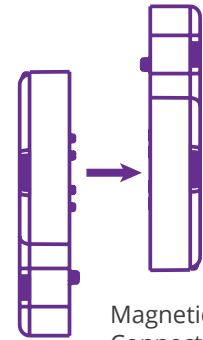
Advanced settings include:

- Unsecure Warning
- Delay to Open
- Dual Authorization
- Relock on Open
- Alarm

## 2 Programmer Setup

Make sure your **SDHC Card** is placed inside the Handheld Programmer's slot for SD cards.

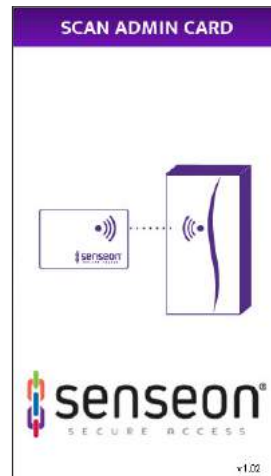
Connect the Programmer to the **Controller** via the attached **Magnetic Connect Cable**. Your Programmer's screen will illuminate upon connection with the Controller.



Magnetic Connect Cable

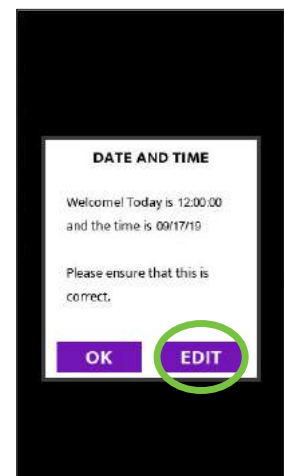
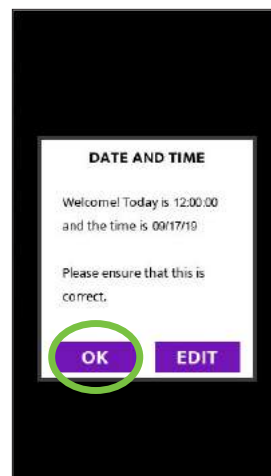
### 2.1 Authentication

For security, only a user with an authenticated (scanned) **Administrator Card** can access the Senseon Plus Programming Mode. The opening screen will prompt you to "SCAN ADMIN CARD."



### 2.2A Time Verification

Time accuracy is important for use of audit trail data. The Programmer will display a "DATE AND TIME" prompt for verification. If the date and time are correct, press **OK**. If the date and/or time is incorrect, press **EDIT**.



## 2.2B

The EDIT button will take you to an “EDIT DATE AND TIME” screen. Dates adjust by month, day, and year. Times adjust by hour, minute, and second. Press **SAVE** when finished.

Once set up, your Programmer will send you back to the home screen.



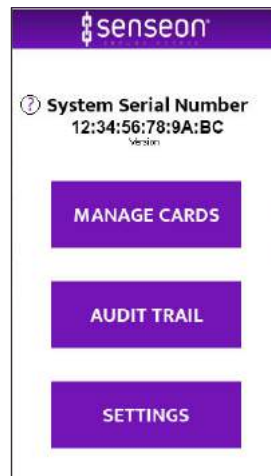
## 2.2C

Your Programmer's unique System Serial Number is on top.

Below the System Serial Number, you will find three buttons:

- MANAGE CARDS
- AUDIT TRAIL
- SETTINGS

We'll cover these buttons in Sections 4 through 8.



# 3 Administrator & User Description

Senseon Plus cards can be programmed as either Administrator or User.

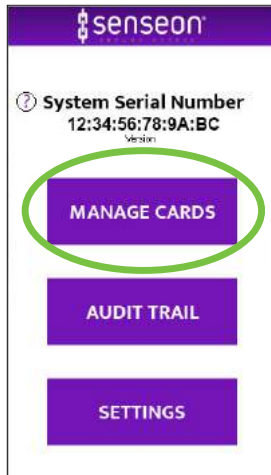
## 3.1 Administrator

An Administrator can use the Handheld Programmer to program the system. An Administrator can determine a User's level of access and adjust a system's settings. An Administrator can not access channels.

## 3.2 User

A User has access to channels an Administrator has determined. This may be one or multiple channels.

# 4 Adding Cards



### 4A

To add a card, press **MANAGE CARDS** on your Programmer's home screen.



### 4B

This takes you to the "MANAGE CARDS" screen. You have three buttons:

- ADD CARD
- SEARCH
- BACK

Press **ADD CARD**.



### 4C

This takes you to the "SELECT CARD ACCESS" screen. Here you can checkmark boxes to determine a card's level of access.



### 4D

If you select **"Administrator,"** Senseon Plus will block all other boxes. An Administrator Card is used for system configuration but not for unlocking openings.



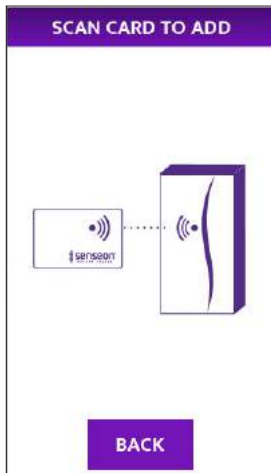
4E

If you choose to create a User Card, you may choose one or more channels of access. Each channel corresponds to one or more openings.



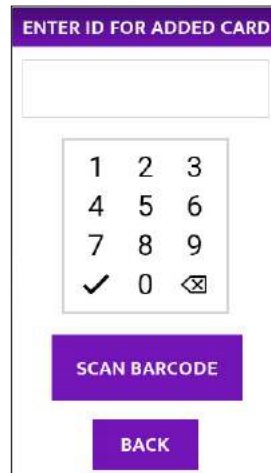
4F

Press **CONFIRM** once you have determined your card's level of access.



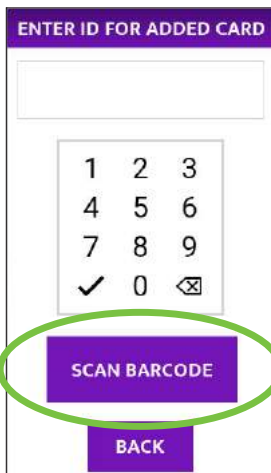
4G

This takes you to a screen labeled "SCAN CARD TO ADD." Tap a blank card on your Senseon Plus Reader.



4H

After tapping your card, you will come to a screen labeled "ENTER ID FOR ADDED CARD."



4I

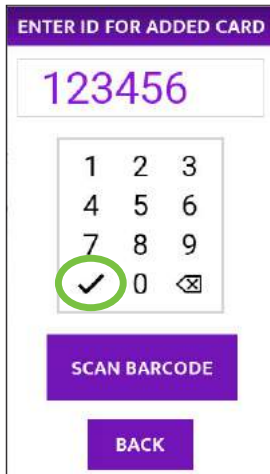
If your card has a barcode, press **SCAN BARCODE**. This activates the Programmer's scanning system. Use the Programmer to scan your card's barcode to add it into the system.



4J

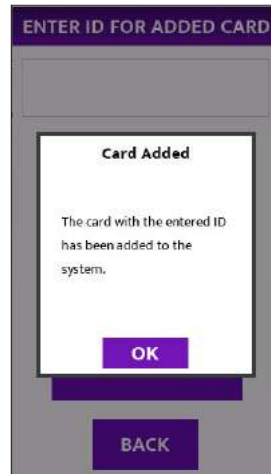
Alternately, you can apply one using the numbered pad on screen. You can apply a numeric ID from one to eight digits. In the example shown, the numeric ID is 123456.

(**Note:** You cannot choose a single-digit ID of "0.")



#### 4K

Once you have entered an ID, press the ✓ in the lower left of the numbered pad to confirm.



#### 4L

Once confirmed, a prompt labeled "Card Added" will appear.



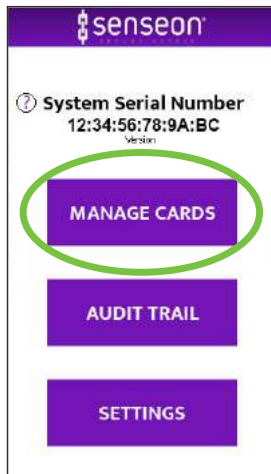
#### 4M

If the card you tried to add is already in the system, you will receive a prompt labeled "ERROR: Card Not Added."

Either of the above prompts will take you back to the "SCAN CARD TO ADD" screen. From there you can continue to add cards.



## 5 Modifying Cards



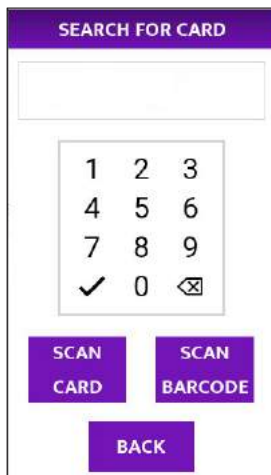
### 5A

To modify a card, press **MANAGE CARDS** on your Programmer's home screen.



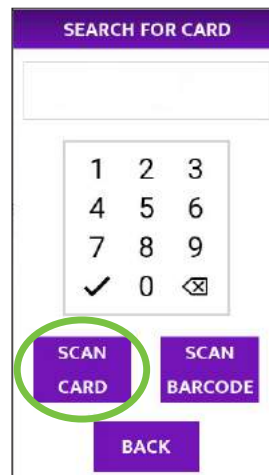
### 5B

On the "MANAGE CARDS" screen, press **SEARCH**.



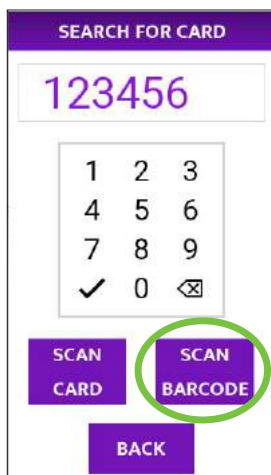
### 5C

This will take you to the "SEARCH FOR CARD" screen. From here, you can modify a card in three ways.



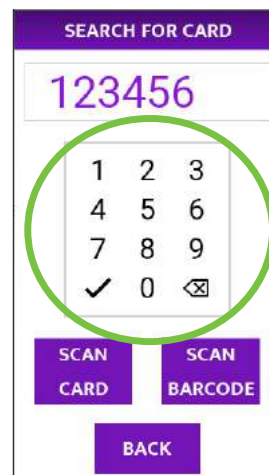
### 5D

**Option 1.** Press **SCAN CARD**, then tap the card you wish to modify at the Reader.



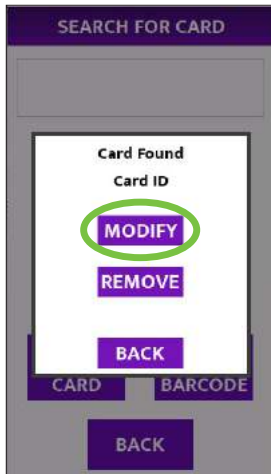
### 5E

**Option 2.** Press **SCAN BARCODE**, then scan your card's barcode with your Programmer. Confirm with the press of the ✓ in the lower left of the numeric pad.



### 5F

**Option 3.** Input your card's ID number using the on-screen numeric pad. Confirm with the press of the ✓ in the lower left of the numeric pad.



## 5G

Once you've scanned or entered your card ID, you will receive a prompt with three buttons:

- MODIFY
- REMOVE
- BACK

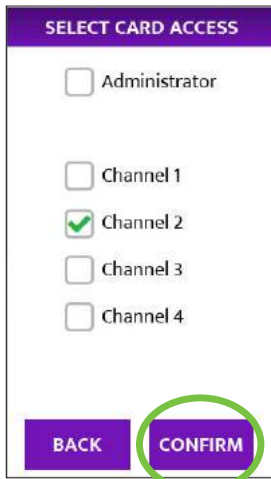
Press **MODIFY**.



## 5H

This takes you to the "SELECT CARD ACCESS" channel screen. Select which channels you wish to modify for this card.

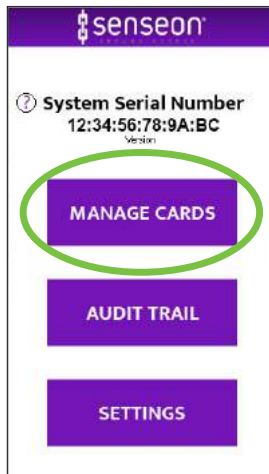
Each channel, labeled next to a box, corresponds to one or more cabinet openings. You can even turn a User Card into an Admin Card and vice-versa.



## 5I

Press **CONFIRM** when finished to return you to the prior screen.

## 6 Removing a Card



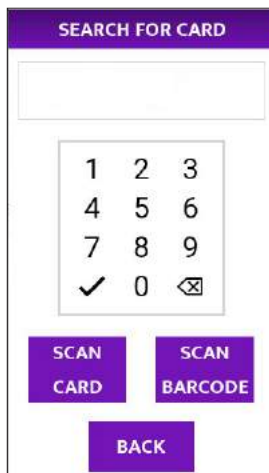
### 6A

To remove a card, press **MANAGE CARDS** on your Programmer's home screen.



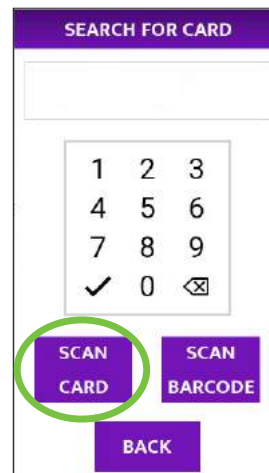
### 6B

On the "MANAGE CARDS" screen, press **SEARCH**.



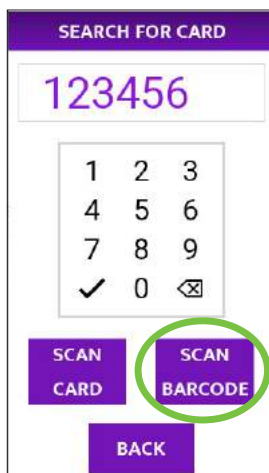
### 6C

This will take you to the "SEARCH FOR CARD" screen. From here, you can search for a card in three ways.



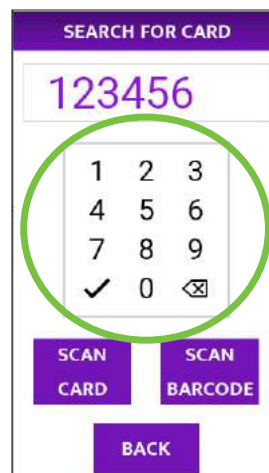
### 6D

**Option 1.** Press **SCAN CARD**, then tap the card you wish to modify on the Reader.



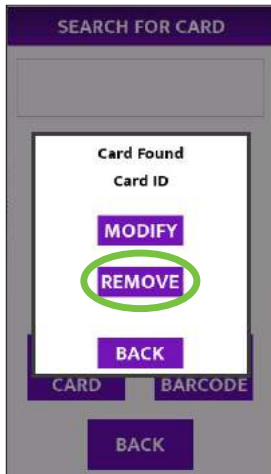
### 6E

**Option 2.** Press **SCAN BARCODE**, then scan your card's barcode with your Programmer. Confirm with the press of the ✓ in the lower left of the numeric pad.



### 6F

**Option 3.** Input your card's ID number using the on-screen numeric pad. Confirm with the press of the ✓ in the lower left of the numeric pad.



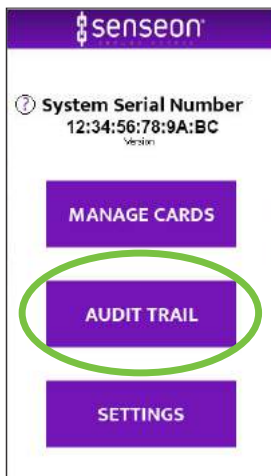
## 6G

Once you've scanned or input your card, you will receive a prompt with three buttons:

- MODIFY
- REMOVE
- BACK

Press **REMOVE**. This will remove the card from file and return you to the prior screen.

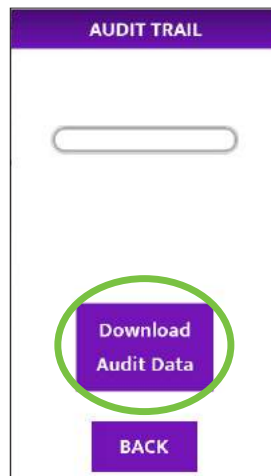
## 7 Audit Trail



### 7A

A Senseon Plus Controller stores your most recent 15,000 audit trail transactions. You can download a list of these transactions by pressing **AUDIT TRAIL** on the home screen.

**Note:** Before any download, verify your SDHC Card inside your Programmer.



### 7B

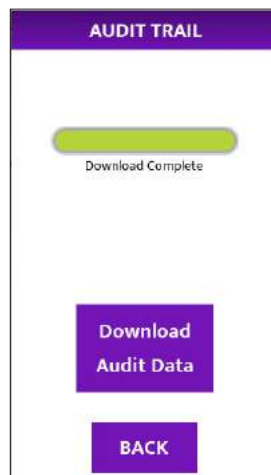
Press the button "**Download Audit Data**" on the next screen.



### 7C

A progress bar will show the status of the download.

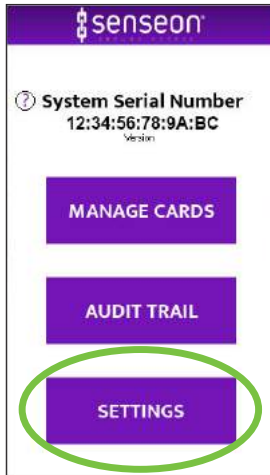
**Note:** Do not remove power or disconnect Programmer from system.



### 7D

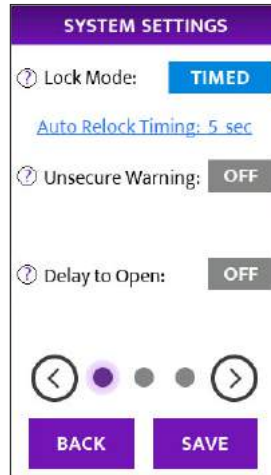
The bar will read "**Download Complete**" when finished. You can find the downloaded audit trail on your Programmer's SDHC Card.

# 8 System Settings



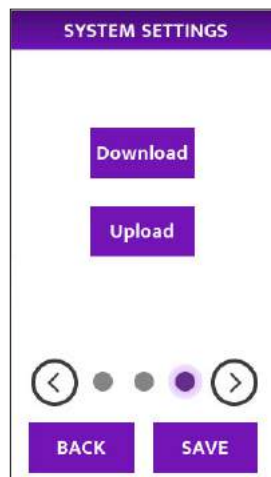
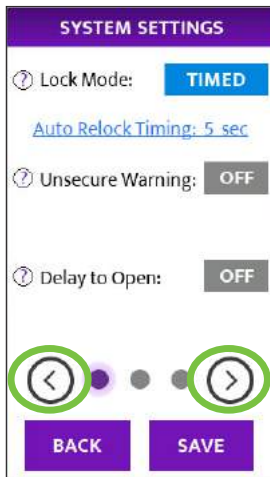
## 8A

You can access your system settings via the **SETTINGS** button on the home screen.



## 8B

This sends you to the "SYSTEM SETTINGS" menu where you shut off or modify features.

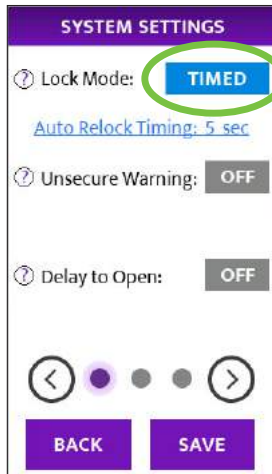


## 8C

The SYSTEM SETTINGS menu has three screens. Use the < and > buttons to navigate between them.

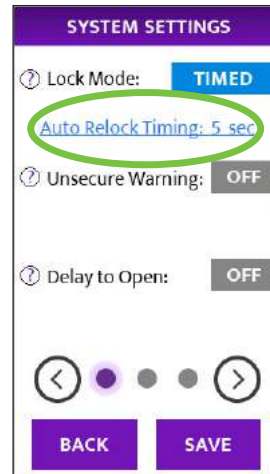
Next, we'll explore the different settings on the menu.

## 8.1 Lock Mode



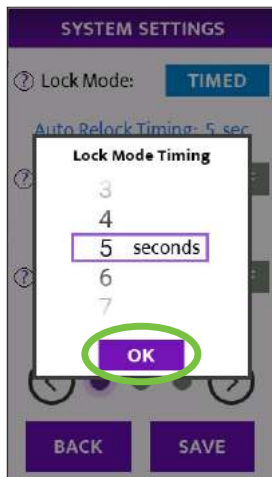
### 8.1A

Your Programmer enables you to choose from two lock modes. You can activate either mode by pressing the colored button next to the setting labeled "Lock Mode."



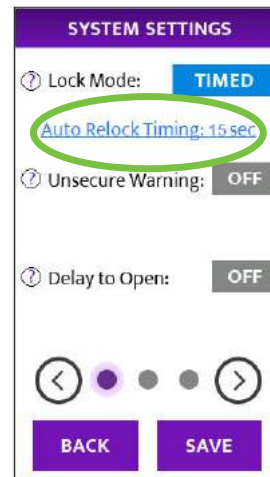
### 8.1B

The **TIMED** setting activates a relock condition after a programmed amount of time. Press the underlined section labeled "Auto Relock Timing" to activate a prompt.



### 8.1C

A prompt allows you to adjust the time for your cabinet's to auto relock. You can choose from 1 to 255 sec. Press **OK** when done.



### 8.1D

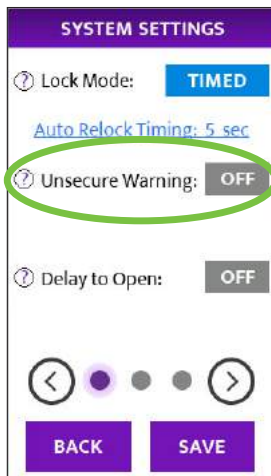
You can see your system's auto relock timing below the "Lock Mode" section. In this example, we have it set to 15 sec.



### 8.1E

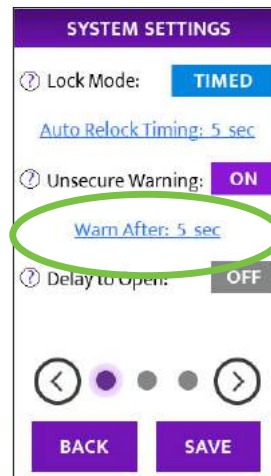
The **TOGGLE** setting requires you to present a User Card to lock or unlock any opening.

## 8.2 Unsecure Warning



### 8.2A

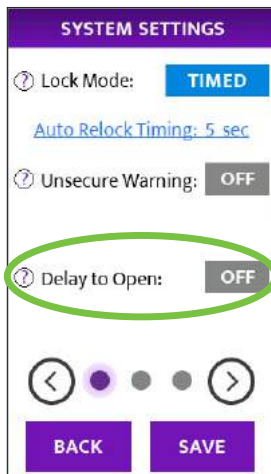
This setting activates warning beeps when a cabinet remains open or unlocked past a programmed time. You can tap this setting **ON** or **OFF**.



### 8.2B

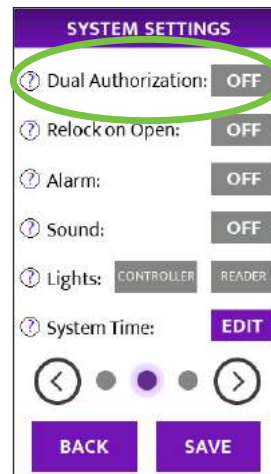
When ON, adjust the “Warn After” prompt to the amount of time you wish. You can adjust this warning to appear anywhere from 1 to 255 sec. after opening.

## 8.3 Delay to Open



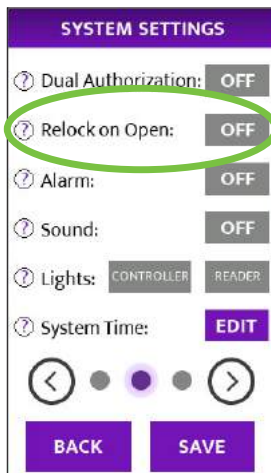
This setting activates a timed delay before your system unlocks a cabinet. You can adjust this delay to last anywhere from 1 to 255 sec.

## 8.4 Dual Authorization



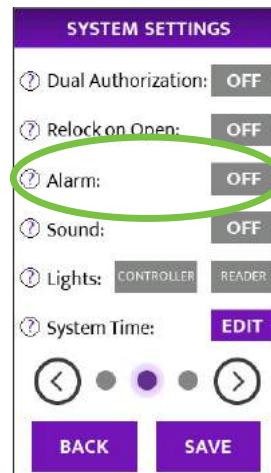
This setting requires validation of two User Cards for access and locking. Only the channels common to both User Cards will unlock or lock.

## 8.5 Relock on Open



This setting unlocks all openings authorized for that User until said User opens one. Once a User accesses an opening, all other authorized openings relock.

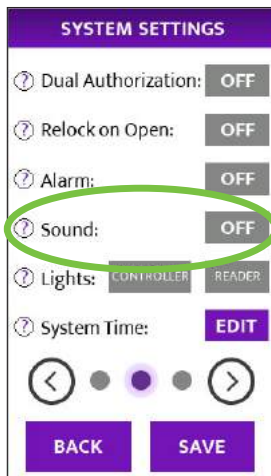
## 8.6 Alarm



This setting activates an alarm. The alarm triggers when a cabinet is opened without a valid card being presented first. The alarm sounds from the Reader or an external alarm (if installed).



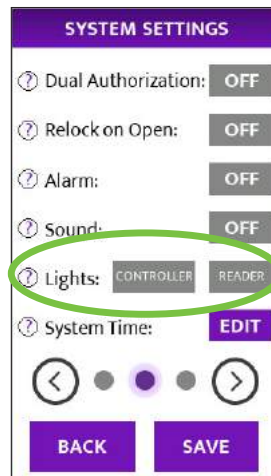
## 8.7 Sound



This setting turns the Reader's speaker **ON** or **OFF**.

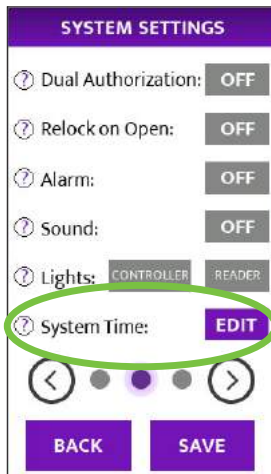
**Note:** The sound during system programming is always on.

## 8.8 Lights



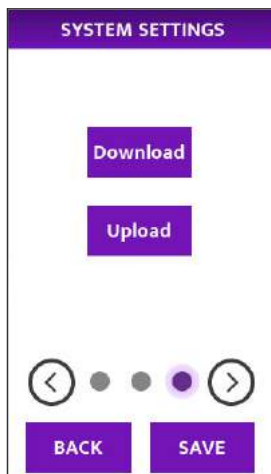
This setting lets you turn LED lights on your Controller or Reader on or off.

## 8.9 System Time



This setting lets you edit time. Proper time is vital to ensuring accurate audit trail information.

## 8.10 Copy & Transfer



These buttons enable you to copy and transfer your cards and settings information from one controller to another.

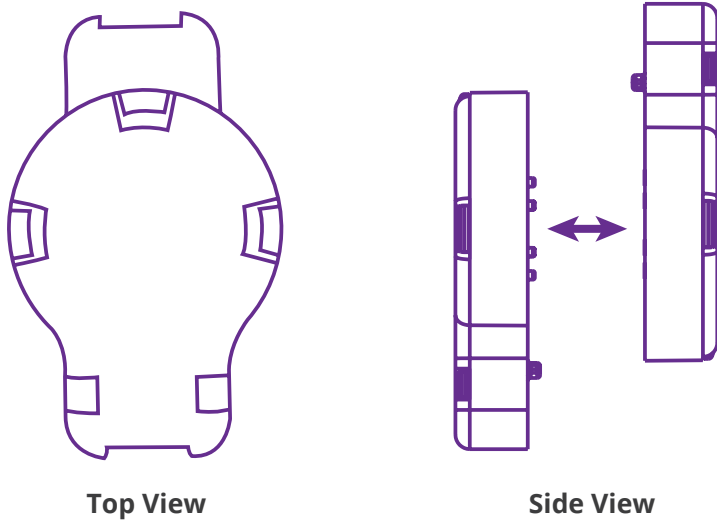
Press **DOWNLOAD** to copy the system configuration from the Controller to the Handheld. You can connect your Handheld to another Senseon Plus Controller.

Press **UPLOAD** to transfer that configuration into another Controller. This saves time spent in configuring Senseon Plus. (Be aware that previous data and settings will be overwritten.)

**Note:** For security, you will have 5 min. to copy or transfer configurations.



## 9 Exit Programming Mode



To exit programming mode, disconnect the Programmer's round Mag-Connect Cable from its counterpart. The system will return to normal operating mode.

[senseonsecure.com](https://senseonsecure.com)

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