ATRIUM & Schlage Integration

Quick Start Guide
GWE2 Gateway and NDE Wireless Lock

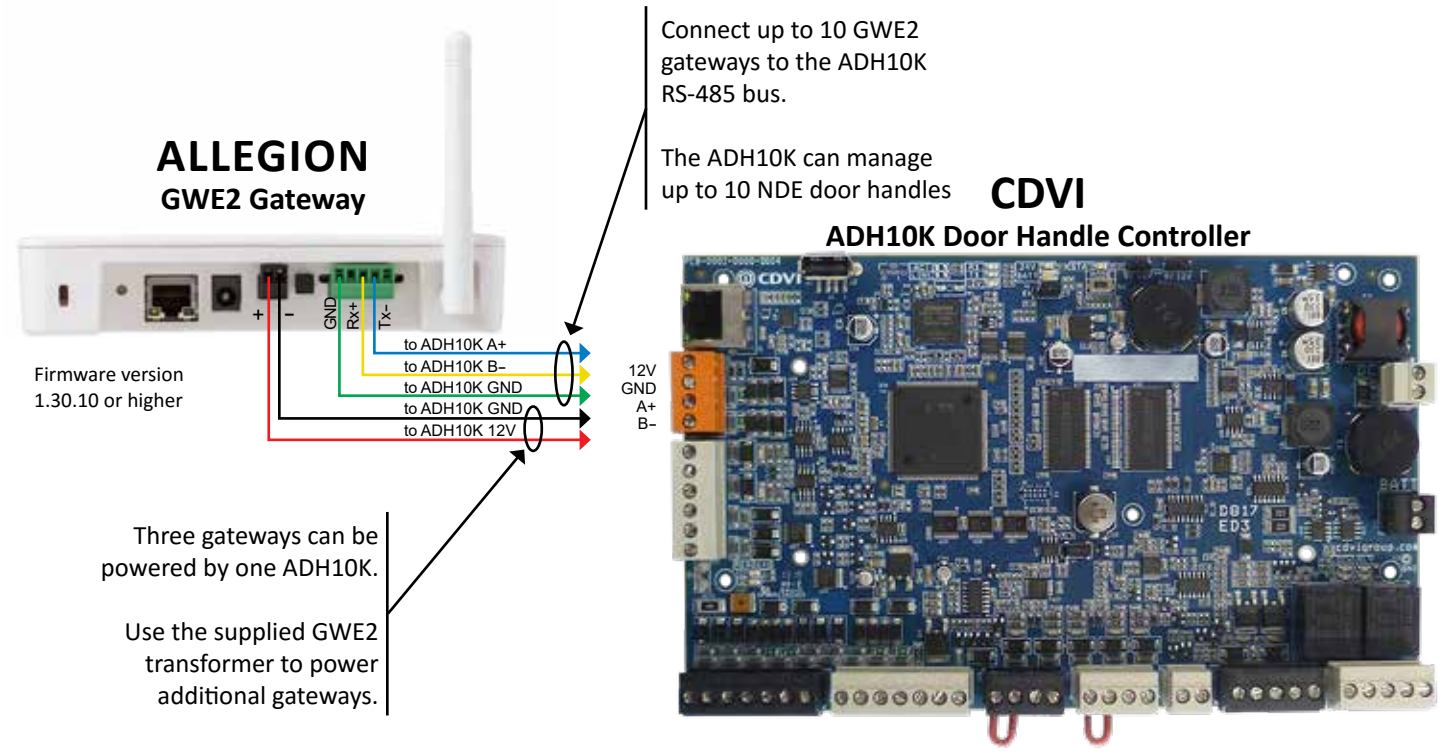
July 2026

THREE SIMPLE STEPS:

1. Ensure the GWE2 gateway is connected to the ADH10K as shown below.
2. Follow this guide to configure gateways and wireless locks.
3. Apply power to ATRIUM's ADH10K to automatically detect GWE2 gateways and wireless locks.

Step 1:
Install the devices

Install the NDE wireless lock on a door then connect the GWE2 gateway to the ADH10K as shown below:

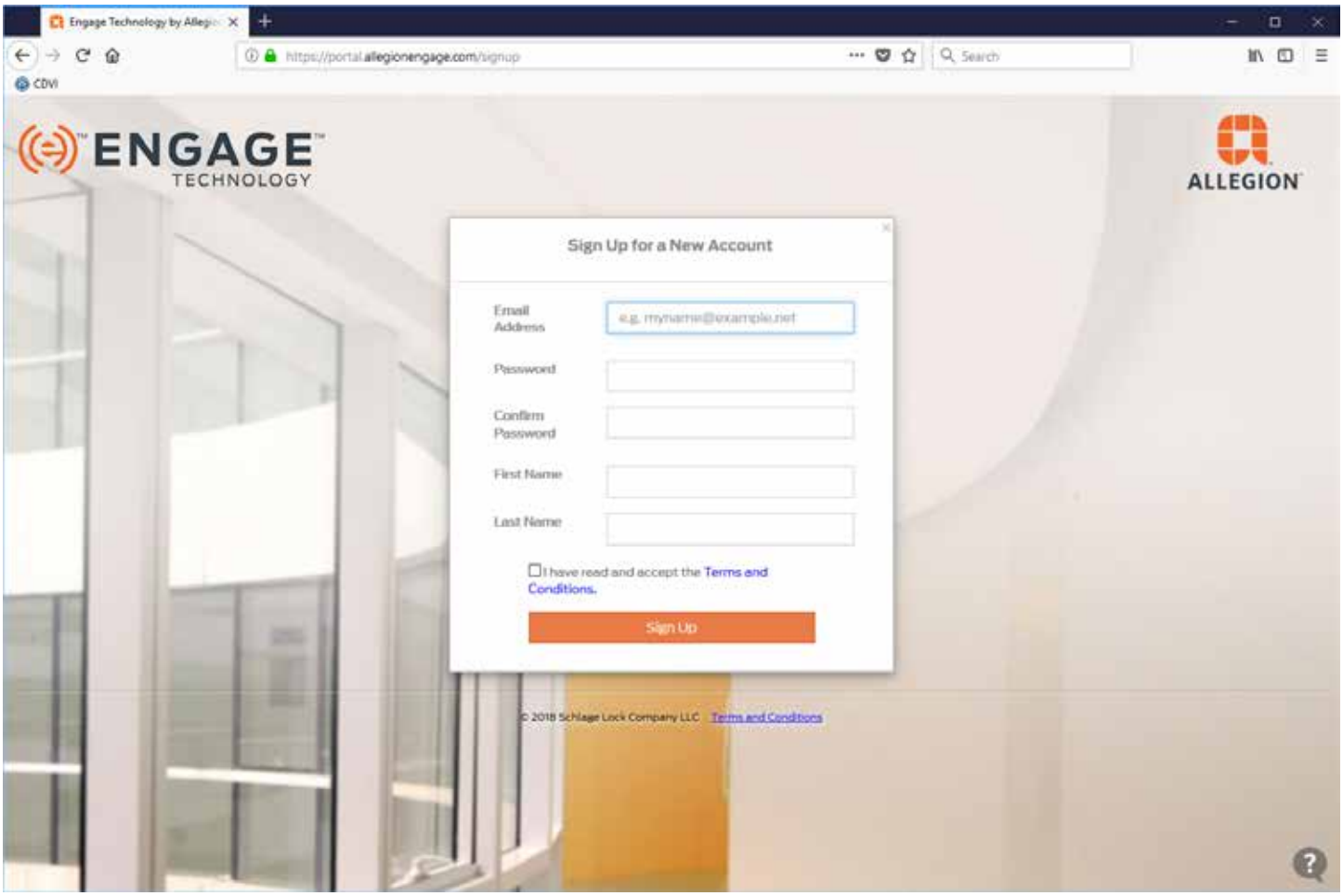


View ADH10K + GWE2 + NDE system architecture at the end of this document.

Step 2:
Create an ENGAGE account through Allegion's web site

Create an ENGAGE account at: **https://portal.allegionengage.com/signin**

IMPORTANT: Do NOT use the mobile app to create your account.



Step 3:
Adding a GWE2 gateway to your ENGAGE™ account

3.1:
Use the free ENGAGE™ mobile app to link and configure devices.

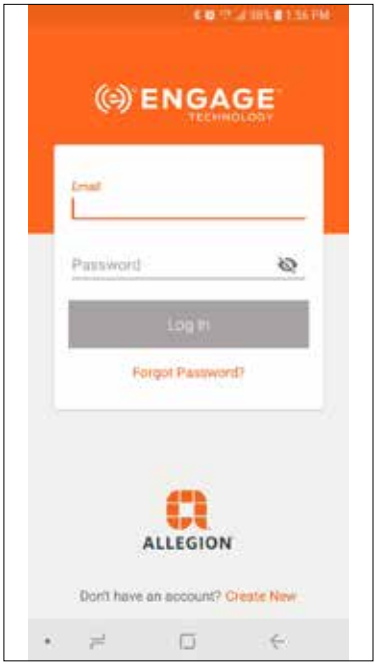
Download the ENGAGE™ mobile app from the iTunes App Store (IOS) or Google Play Store (Android)

Start the app. Create a new account by tapping on the "Create New" link at the bottom of the Log In screen or login to an existing account.

Apple (iPhone)

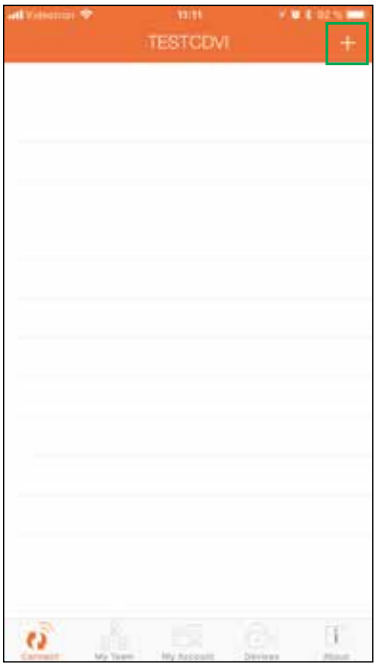


Android

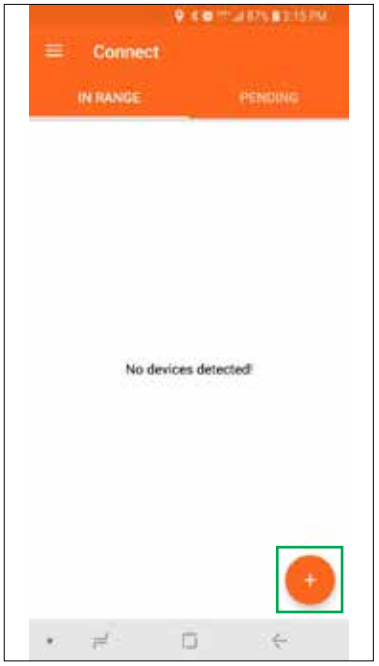


3.2:
Touch the **"+"** sign to add a GWE2 or any ENGAGE™ lock device.

Apple (iPhone)



Android



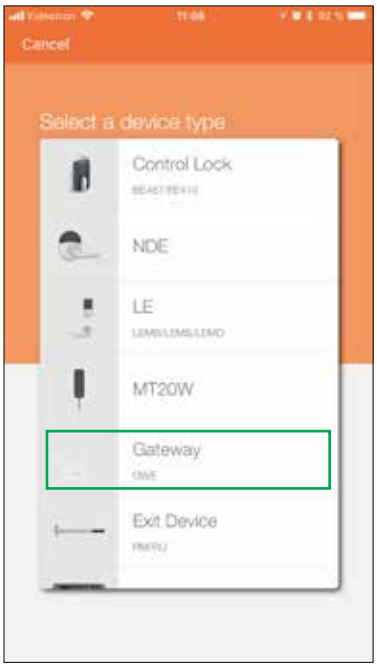
3.3:
Touch the ***"Gateway"*** icon to add a GWE2 gateway to the ENGAGE™ account.

IMPORTANT NOTE:

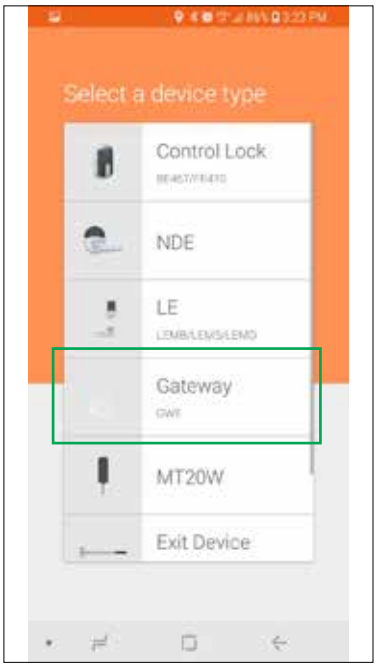
Only a "***non-commissioned***" gateway can be added to an account.

- When powered, a non-commissioned gateway has a solid red status LED.
- A commissioned gateway has a solid blue status LED.

Apple (iPhone)



Android



3.4:
Touch the GWE2 gateway you want to add from the list.

Apple (iPhone)



Android

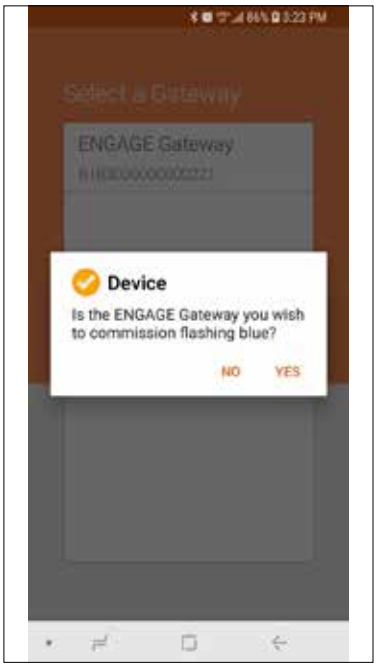


3.5:
Touch ***"Yes"*** if the selected GWE2 gateway LED is flashing blue.

Apple (iPhone)



Android



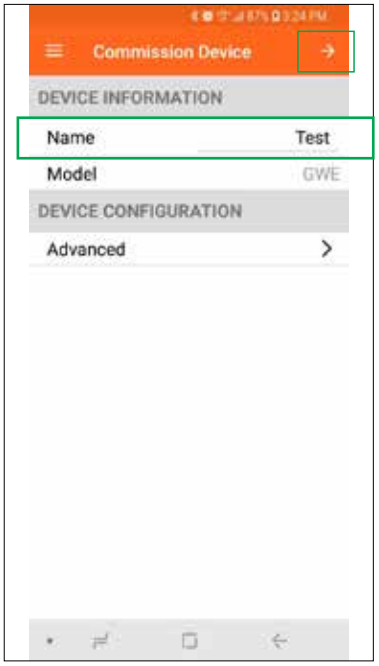
3.6:
Name the GWE2 gateway, then touch ***"Next"***

Android:
Name the GWE2 gateway and touch the " → "

Apple (iPhone)



Android



3.7:
The GWE2 gateway can manage up to 5 wireless locks. One ATRIUM ADH10K can manage up to 10 GWE2.

Specify the GWE2 RS485 address and the range of doors it will manage.

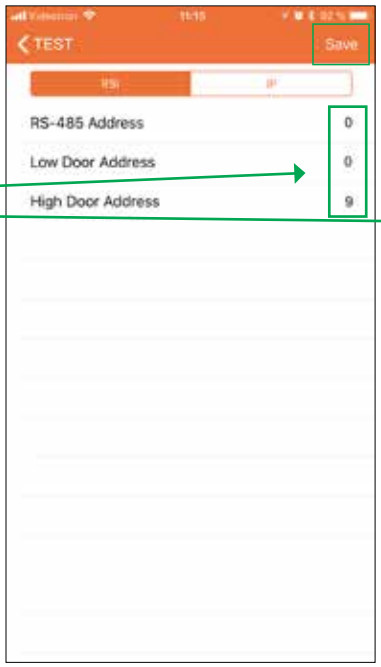
Apple : Then touch ***"Save"***.
Android: Touch the "🖫".

Example with two GWE2 managing 5 doors each:

GWE2 #1:
RS-485 Address = 0
Low Door Address = 0 (Door 1)
High Door Address =4 (Door 5)

GWE2 #2:
RS-485 Address = 1
Low Door Address = 5 (Door 6)
High Door Address =9 (Door 10)

Apple (iPhone)



Android



3.8:
Touch ***"Disconnect"*** to go back to the "Connect" to add locks to the ENGAGE™ account.

Android:
Touch the menu icon (☰) at the top-left and select ***"Devices"***.

When prompted, touch ***"OK"*** to disconnect.

Apple (iPhone)



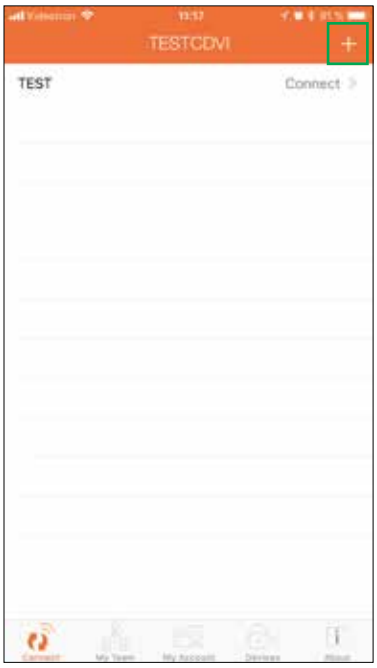
Android



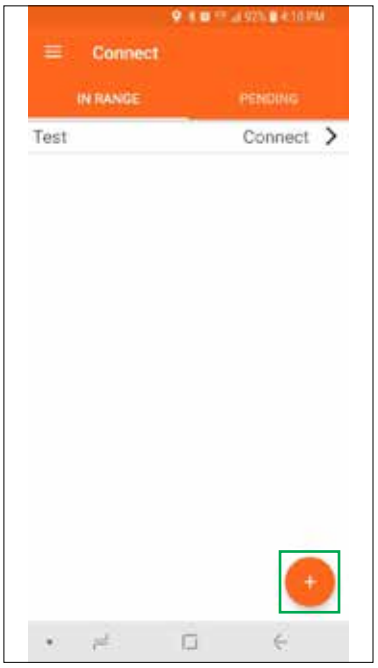
Step 4:
Adding a NDE wireless lock into your ENGAGE™ account

4.1:
Touch the ***"+"*** sign to add NDE or any ENGAGE™ lock devices.

Apple (iPhone)

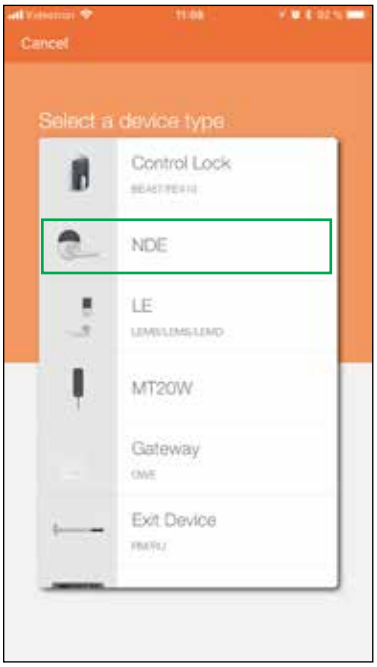


Android

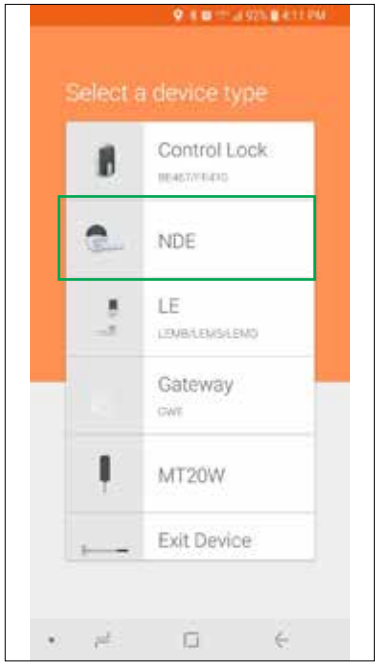


4.2:
Touch the ***"NDE"*** icon.

Apple (iPhone)



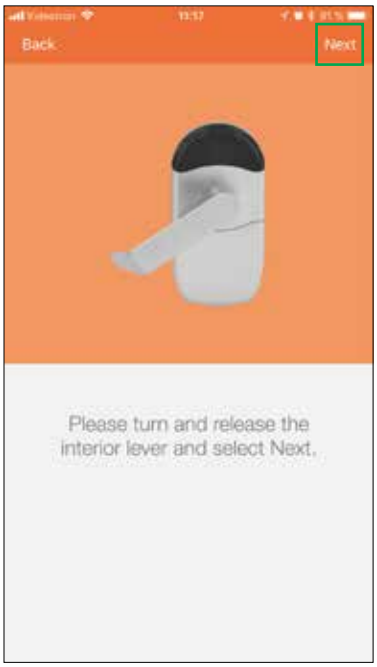
Android



4.3:
Turn and release the interior lever of the NDE wireless lock.

Touch ***"Next"*** to view the handle being added.

Apple (iPhone)



Android

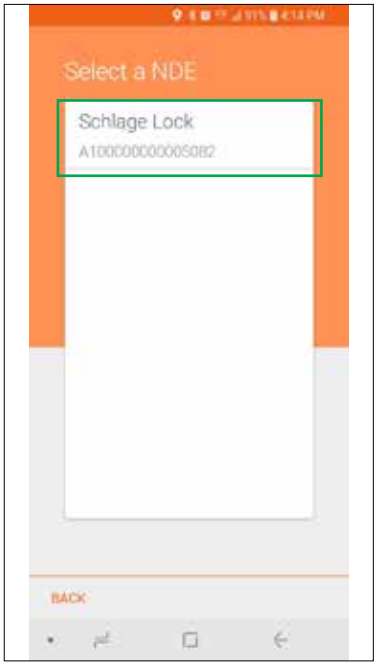


4.4:
Touch the NDE lock in the list to connect to the device.

Apple (iPhone)



Android



4.4a:

Apple (iPhone) : Go to step 4.5

Android: Touch ***"Yes"*** to confirm the LED on the handle is blinking. The GWE2 will connect to the device.

Android



4.4a:

Android:

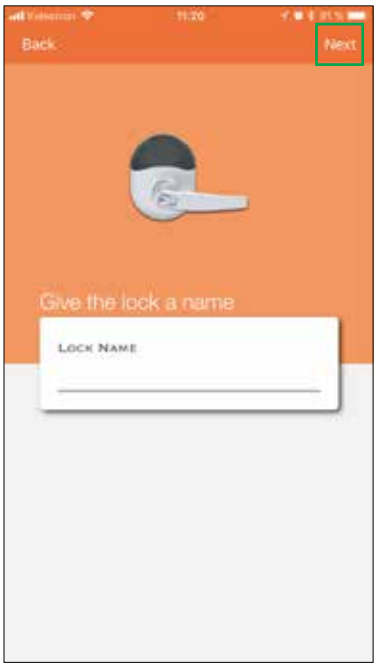
The GWE2 will connect to the device automatically.

Android



4.5:
Type a name for your NDE lock, then touch ***"Next"***.

Apple (iPhone)



Android

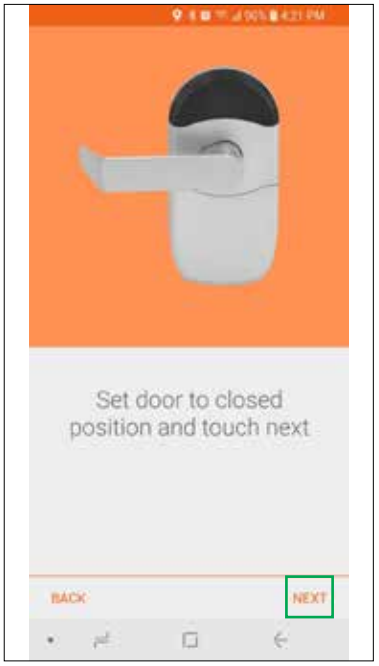


4.6:
Close the door to calibrate the door position and touch ***"Next"***.

Apple (iPhone)



Android

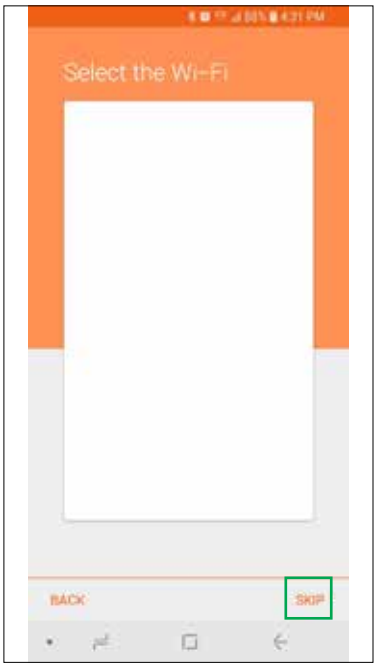


4.7:
This part is not used with ATRIUM. Touch ***"Skip"***

Apple (iPhone)



Android

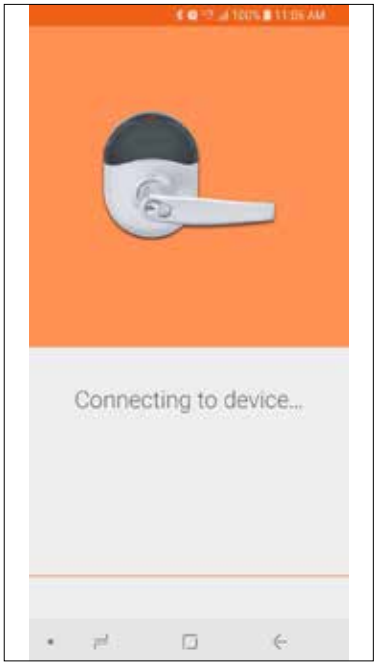


4.7a:

Apple (iPhone) : Go to step 4.8

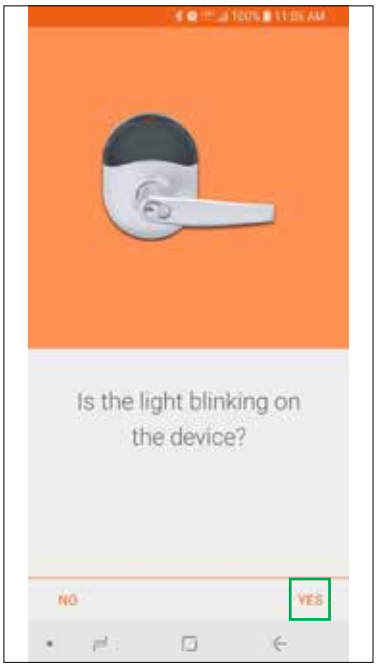
The GWE2 will connect to the handle.

Android



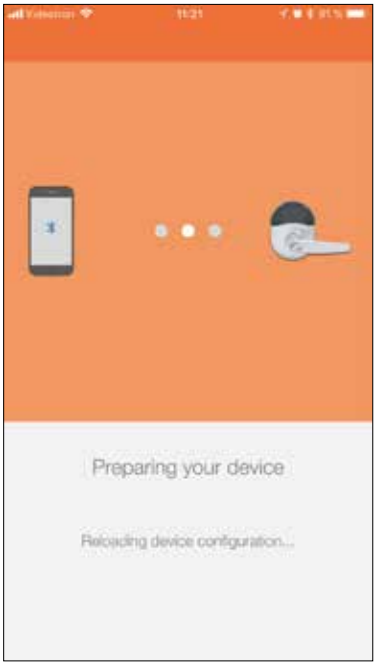
4.7b:
Android:
Touch ***"Yes"*** when the LED is blinking on the handle.

Android

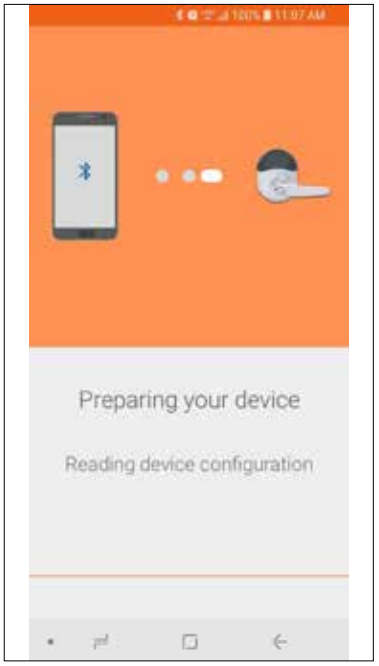


4.8:
The ENGAGE™ account is preparing your NDE lock.

Apple (iPhone)



Android



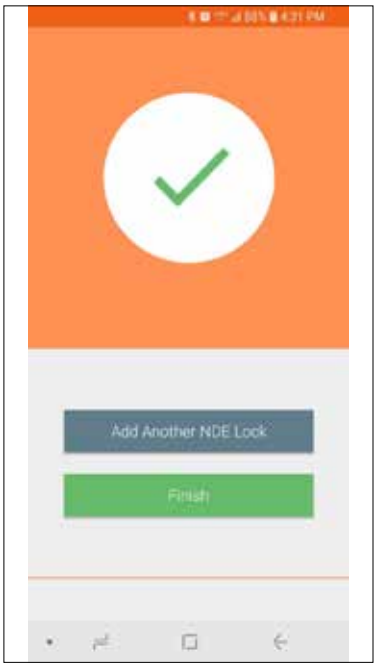
4.9:
To add more NDE, touch ***"Add another NDE device"***.

Touch ***"Finish"*** when done.

Apple (iPhone)



Android



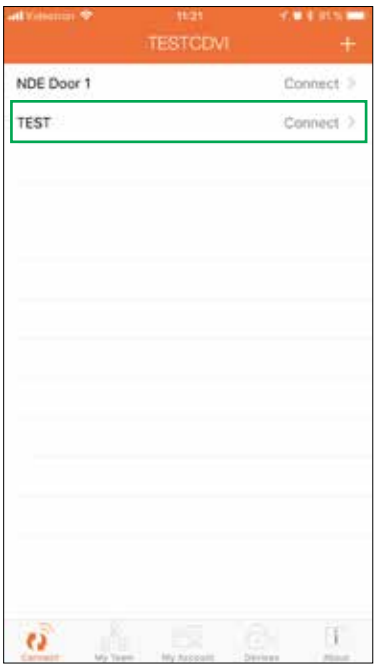
Step 5:

Linking the NDE locks to the GWE2 gateway.

(Use this method for any ENGAGE™ locks)

5.1:
Touch the GWE2 to link the NDE to the gateway.

Apple (iPhone)



Android

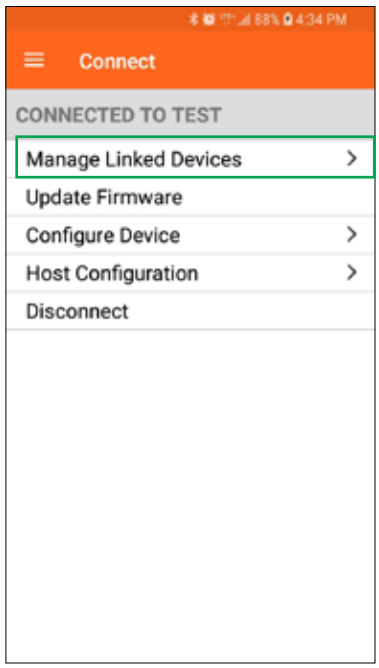


5.2:
Touch ***"Manage Linked Devices"***

Apple (iPhone)

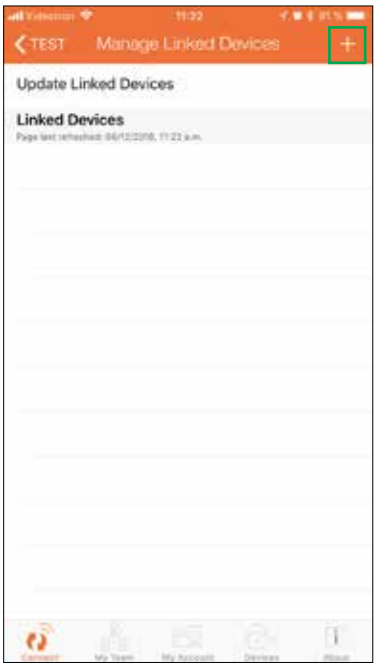


Android

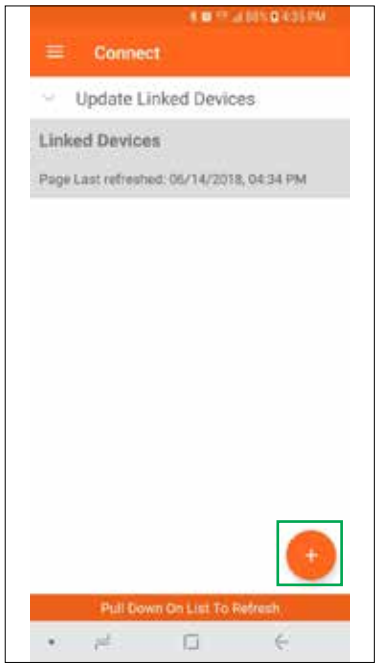


5.3:
Touch the ***"+"*** sign.

Apple (iPhone)



Android



5.4:
Select which door number this NDE will be associated to in the ATRIUM system then touch ***"Next"***.

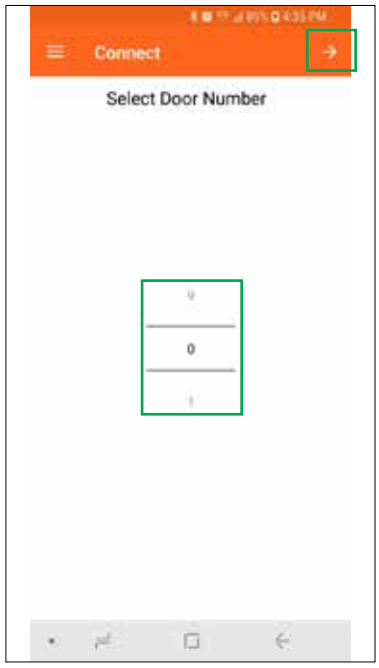
Android: Touch the **" → "** at the top-right of the screen to continue.

0= Door 1
.
.
.
9= Door 10

Apple (iPhone)

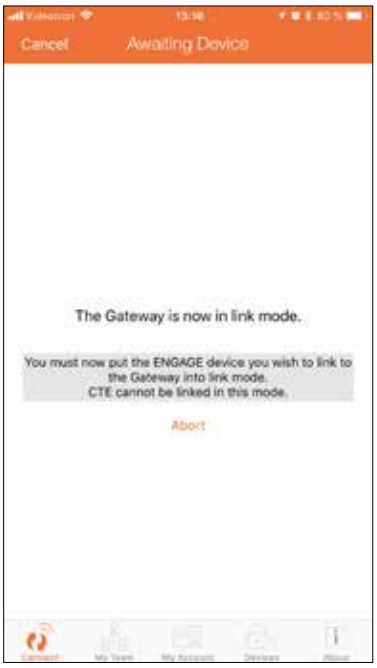


Android



5.5:
The GWE2 gateway LED will flash red & blue indicating it is in Link mode.

Apple (iPhone)

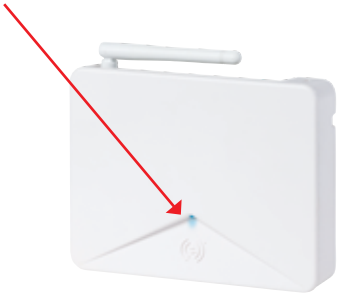


Android



Link the NDE to the GWE2 by following these 4 steps:

1. Confirm GWE2 is in link mode. (LED will flash red & blue).



GWE2 gateway

2. Turn and hold the NDE interior handle



3. Swipe a compatible card at the NDE reader.
(The LED will flash green 4 times and beep 4 times).



NDE
Exterior handle

4. Release NDE interior handle

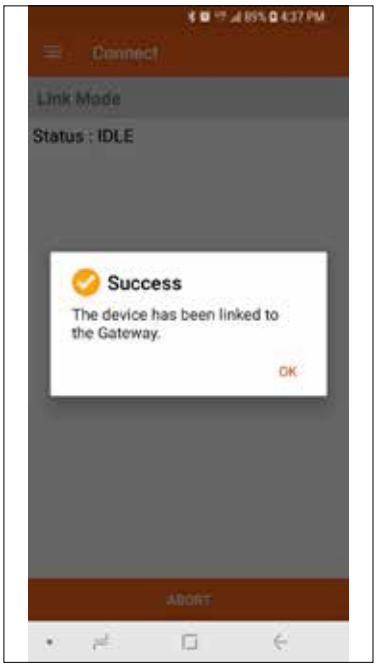


5.6:
Touch ***"OK"*** to confirm NDE lock is linked.

Apple (iPhone)



Android



5.7:
The NDE lock is now linked to that specific GWE2 gateway.

Touch ***"Connect"*** to go back to connected devices.

Android:
Touch the menu icon (☰) at the top-left, to exit to the main menu.

Touch ***"Account"*** to logout.

Apple (iPhone)

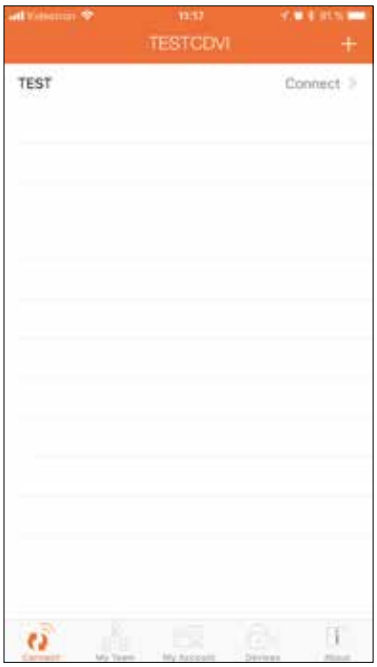


Android

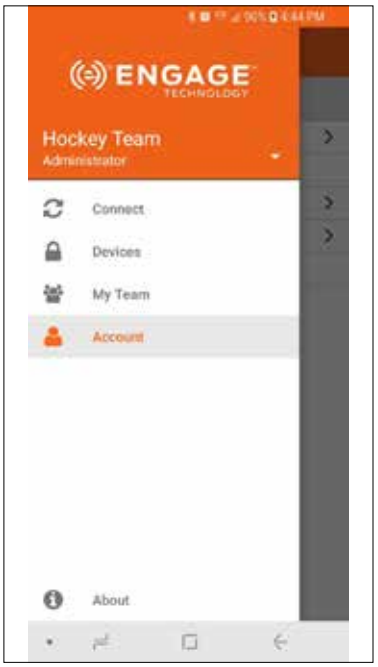


5.8:
All lock devices linked to a GWE2 gateway will disappear from the ***"Connect"*** list.

Apple (iPhone)



Android



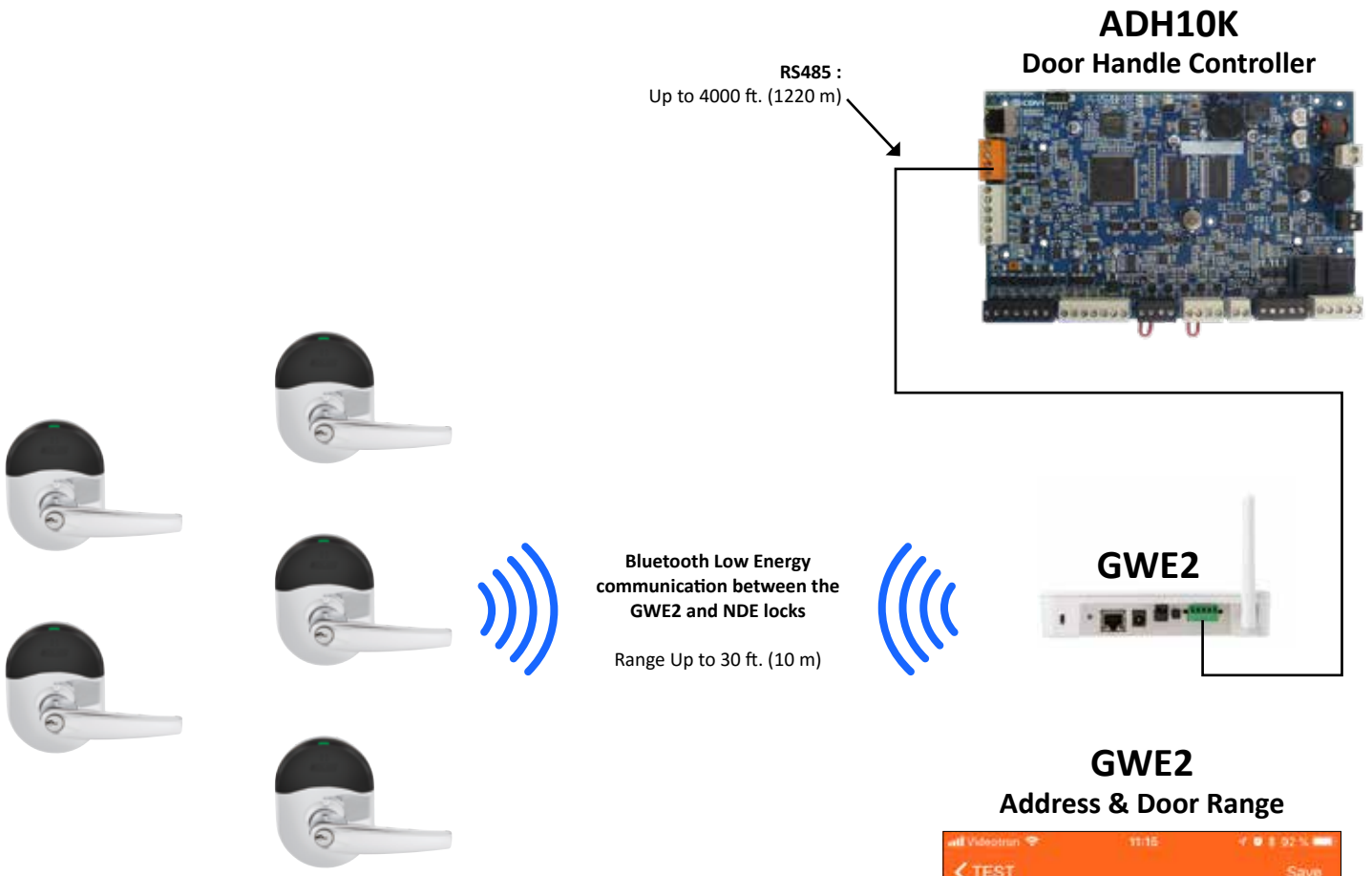
Step 6:
Login to the ATRIUM Web server or software.

Once steps 1 to 5 are completed, login to ATRIUM using its Web server or software. The ADH10K controller will automatically detect ALL GWE2 gateways and NDE wireless locks.

Each NDE wireless lock will be shown (displayed) as a door in ATRIUM.

Typical ADH10K & GWE2 wiring diagram

(1 GWE2 managing 5 NDE wireless locks)



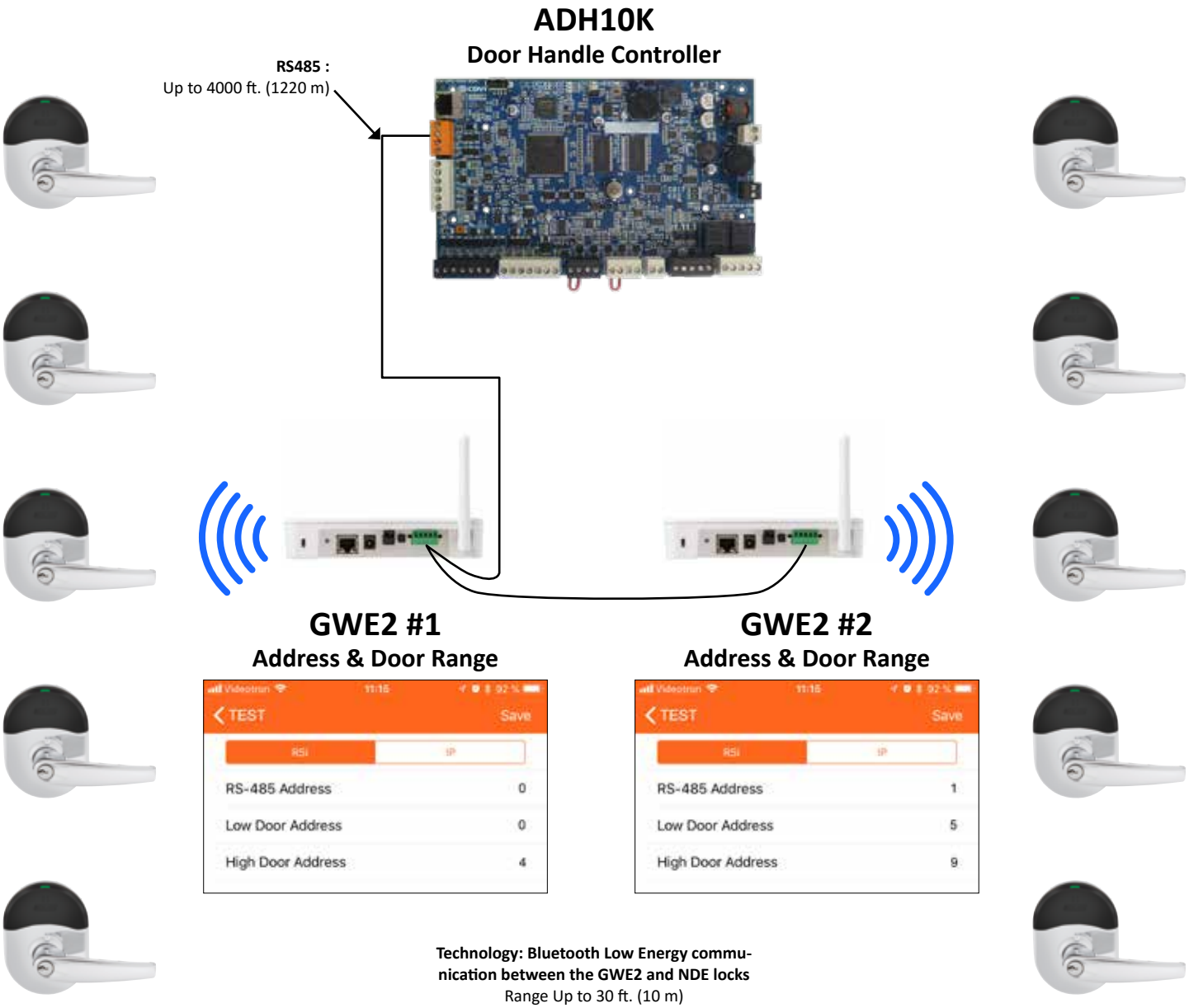
GWE2

Address & Door Range



Typical ADH10K & GWE2 wiring diagram

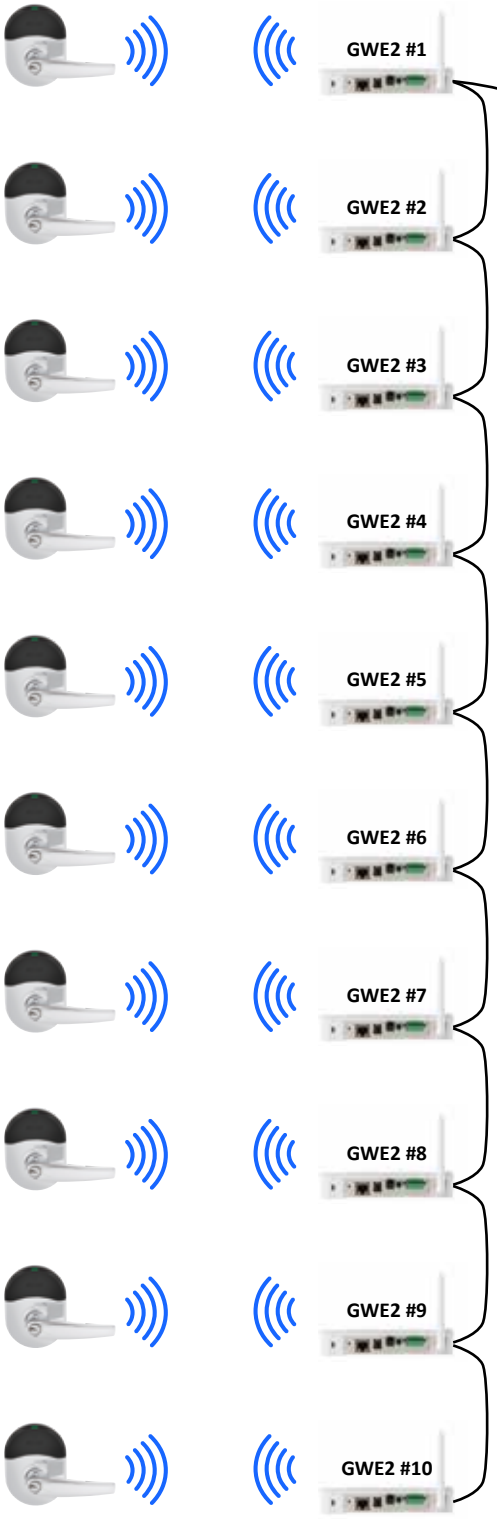
(2 GWE2 managing 5 NDE wireless locks each)



Technology: Bluetooth Low Energy communication between the GWE2 and NDE locks
Range Up to 30 ft. (10 m)

Typical ADH10K & GWE2 wiring diagram

(10 GWE2 managing 1 NDE wireless locks each)



ADH10K

Door Handle Controller



RS485 BUS :
Furthest GWE2 can be up to 4000 ft. (1220 m) from ADH10K

Bluetooth Low Energy communication between the GWE2 and NDE locks
Range Up to 30 ft. (10 m)

GWE2 #1

Address & Door Range



GWE2 #5

Address & Door Range



GWE2 #10

Address & Door Range



ALLEGION

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Then Press 2 again for ”Electronic Locks and Controls”

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