ALARM LOCK
345 Bayview Avenue, Amityville, New York 11701
For Sales and Repairs 1-800-ALA-LOCK
For Technical Service 1-800-645-9440
or visit us at http://tech.napcosecurity.com/
(Note: Technical Service is for security professionals only)
Publicly traded on NASDAQ Symbol: NSSC

REGISTER AS A COMNET DEALER BEFORE INSTALLATION

WI2478LF 4/21

IMPORTANT

Attention Installer: This product requires the installing company to register as a ComNet Dealer before installation.

Your ComNet account will allow activation of the Air Access hosted service accounts.

Please see page 3 of the enclosed **Air Access Quick Start Guide** and follow instructions for new Dealers.

Once submitted, please allow up to 24 hours for your ComNet account activation confirmation.

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Air Access™ LTEA Series
AA-LTEA-PW
Multi-Function Communicator
INSTALLATION INSTRUCTIONS

WI2454ALF 12/21

OVERVIEW

The Air Access™ model **AA-LTEA-PW** is a multi-function communicator and supervised Air Access interface module. The Air Access system allows you to upload and download lock programming features wirelessly, using the Air Access programming software. The **AA-LTEA** communicator is one link in the system that facilitates wireless communications between the Air Access software and an individual Networx wireless lock mounted on a protected door.

As shown in the following illustration, the Air Access software is accessed through a secure Internet (cloud) connection. The software data is transmitted through a secure cellular connection to an **AA-LTEA-Series** communicator. The **AA-LTEA** communicator can be wired directly to a single Air Access Gateway module (e.g. the **AA-GATEWAYPOE**), or if multiple Gateways are needed, the **AA-LTEA** communicator must be wired directly to a stand-alone Ethernet switch located within the protected premises. The Ethernet switch can then be wired to up to six (6) Air Access Gateways. Each Gateway is wirelessly connected via a private wireless signal to up to 63 wireless locking devices. For more information about Air Access Gateways, see the documentation listed in **ADDITIONAL COMPONENTS**.

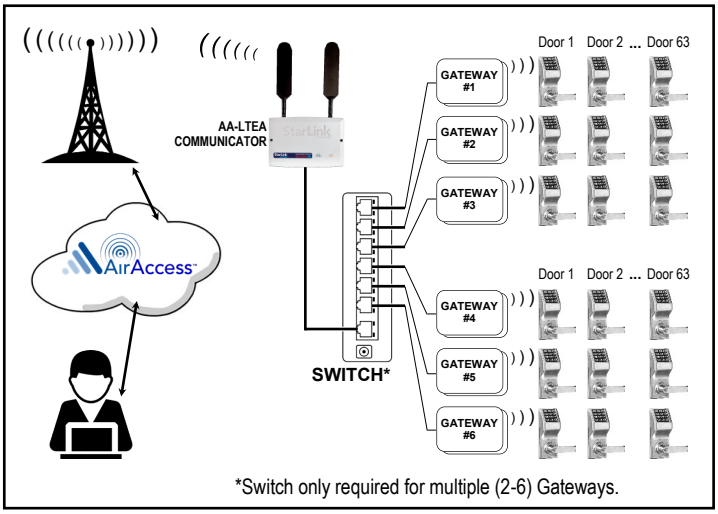

Fig. 1: Air Access Overview Flowchart

Installing the **AA-LTEA-PW** communicator is simple; it is powered by the model TRF12/T123 (16.5V / 20VA) external transformer plugged in to a standard 120VAC (60Hz) wall outlet, and then wired to the **SLE-ULPS-R** terminals 1 and 2 (see wiring diagram on page 6). The **SLE-ULPS-R** power supply uses a standard 12V, 4AH minimum (7AH maximum) rechargeable battery to provide communicator standby power. All 120VAC connections are to be made by a licensed electrician using suitable connectors, in accordance with N.E.C. and local code requirements. The **AA-LTEA-PW Ethernet** socket is connected to an open Ethernet port in the system's stand-alone Ethernet switch with a standard RJ-45 network cable.

Important: ***Do NOT mount the AA-LTEA-communicator within 6 feet (1.8m) of a Gateway.***

CAPACITIES

As shown in the previous illustration, up to six (6) **AA-GATEWAY** devices are supported for each **AA-LTEA-PW** communicator. Up to 63 wireless locks including up to 7 Expanders are supported for each **AA-GATEWAY**.

After securely mounting the unit, route the wires through the back knockout(s), or as specified by local codes. **See the Air Access Cloud Online Help for programming instructions**.

Air Access Series communicators use proprietary data-capture technology that captures and transmits signals to and from the Air Access Control Center (https://airaccess.cloud).

AA-LTEA-PW - Multi-function communicator and supervised interface module LTE (AT&T), SIM card included. White plastic enclosure, with dual antennas.

The following features are included:

- Power limited output to the Air Access communicator PC board 12V input terminals
- Battery connection red and black flying leads
- Monitored battery charging and Active battery test circuits
- Requires a sealed lead acid min 4AH / max 7AH battery for minimum 24-hour standby time (max charge current 200mA)
- Green **AC ON** LED visible from the exterior housing
- Yellow **TROUBLE** LED "**D4**" on PC board; flashes signify:

  One flash: AC fail / brownout
  Two flashes: Low battery
  Three flashes: Charging circuit trouble

ADDITIONAL COMPONENTS

In addition to the items previously referenced, the following additional products are available. All documentation availa-

ble for download at tech.napcosecurity.com:

AA-TRF - Mini UPS or sm. transformer w/ power backup
AA-POESW - POE Switch
AA-POEIJ - POE Injector
SLE-ANTEXT30 - Extended antenna with 30 feet of cable.
SLE-ANTEXT50 - Extended antenna with 50 feet of cable.
SLE-ANTEXT75 - Extended antenna with 75 feet of cable.
SLE-ANTEXT100 - Extended antenna with 100 feet of cable.
SLE-ANTEXT04 - Extended antenna with 4 feet of cable. (ideal for installations that may require a few extras dBs of gain but running the external cable may not be practical).
SLE-ANT - Antenna only.

All documentation available for download at tech.napcosecurity.com:

WI2447 - Air Access Quick Start Guide
WI2449 - **AA-GATEWAY** Installation Instructions
WI2450 - **AA-GATEWAYPOE** Installation Instructions
WI2453 - **AA-LTEA** Installation Instructions
WI2454 - **AA-LTEA-PW** Installation Instructions (this manual)

Note: Air Access Cloud Online Help available in the Air Access software.

SPECIFICATIONS

Electrical Ratings for 120VAC, 60Hz

- Input Voltage: 120VAC nominal
- Input Current: 200mA maximum
- Maximum Charging Current: 200mA

IN1, **IN2**, **IN3** and **PGM3** are reserved for future use.

Physical (W x H x D)

- Metal Housing: 11½ x 9½ x 3½" (29.2 x 24.1 x 8.9cm)
- Mounting: Metal housing includes two keyhole slots for wall mounting
- Antenna Length: 8.25" (21cm)

Environmental

- Operating Temperature: 0°C - 49°C (32°F - 120°F)
- Humidity: Maximum 93% Non-Condensing
- Indoor / dry location use only

TERMINAL DESCRIPTIONS

Configure all inputs and outputs using the Air Access Control Center (https://airaccess.cloud). Located at the bottom of the Air Access communicator PC board, the terminals are described as follows:

TB1: PWR (+12VDC)

TB2: PWR GND (–)

TB3-TB8: Reserved for future use.

Ethernet: Connect the Air Access AA-GATEWAY or AA-GATEWAYPOE. **Note:** The Gateway at the premises requires standby power (the system will not operate properly unless the Gateway and Ethernet switch are connected to a battery backup or generators). We recommend a UL 1481 / UL 864 or UL Listed ITE (*Information Technology Equipment*) UPS be used at the premises to power this device for a minimum of 24 hours.

TB19-TB24: Reserved for future use.

LED DESCRIPTIONS

The PC board contains several LEDs. For locations, see wiring diagram on page 6.

GREEN RF SIGNAL STRENGTH LED

Labeled "**D3**", this LED is located at the lower right corner of the PC board.

Every 30 seconds, the Air Access communicator receiver section turns on and listens to the cell tower. Depending on the signal strength detected, it will blink the Signal Strength LED from 1 to 5 times, providing a signal strength indicator that is updated constantly and is always displayed.

Green LED Operation

Signal strength (as received by the communicator) is displayed by this LED blinking 1 to 5 times at a constant rate (with a short delay between blink cycles). **Acceptable signal strength is greater than or equal to 2 blinks**.

YELLOW OPERATIONAL STATUS LED

Labeled "**D4**", this LED is located at the bottom right of the PC board. Operation is as follows:

Normal Standby Condition:

- **Blinks on momentarily every 10 seconds:** Unit is in standby waiting to send data.

Sending or Receiving Data:

- Very fast blinks: Attempting to connect to a remote server
- Blinks every 2 or 3 seconds: Connected to the remote server successfully and in the middle of communication

RED TROUBLE LED

Labeled "**D5**", this LED is located at the bottom right of the PC board. Operation is as follows:

- **1 Blink:** Low Aux Power input voltage
- **2 Blinks:** Battery trouble
- **3 Blinks:** Invalid Radio ID detected
- **4 Blinks:** RF trouble (antenna connection or cellular registration)
- **5 Blinks:** Communicator failure to remote server (radio).
- **6 Blinks:** Unit disabled from device communication
- **7 Blinks:** Unit has shut down without functionality; restart required to restore operation (full power down and full power up sequence)
- **8 Blinks:** Default jumper detected. Communicator programming options will be defaulted at power up

RED DIAGNOSTIC LED

Labeled "**D7**", this LED is located in the middle of the PC board. One blink indicates a weak or non-existent signal

from the network (green LED is off). If this red LED is blinking in any other manner, please contact technical support.

- **1 Blink:** A weak or non-existent signal from the network (green LED is off)
- **2 Blinks:** Unable to receive RF signal strength reading from communicator
- **3 Blinks:** Encryption between communicator and remote server is detected as 'OFF'
- **4 Blinks:** Outbound connection is throttled for a short time to allow incoming access for the communicator. Applicable only when communicator failure to remote server has ocurred
- **5 Blinks:** (Reserved)
- **6 Blinks:** Communicator unable to either register or connect to cell carrier
- **7 Blinks:** Communicator unable to power up
- **8 Blinks:** (Reserved)

GREEN IP NETWORK CONNECTION LED

Labeled "**DS14**", this LED is located to the right of the **ETHERNET** socket on the PC board. Operation is as follows:

Off = No network cable detected

- **1 Blink:** Static IP
- **2 Blinks:** DHCP Client
- **3 Blinks:** DHCP Server

RED IP NETWORK TROUBLES LED

Labeled "**DS16**", this LED is located to the right of the **ETHERNET** socket on the PC board. Operation is as follows:

Slow Flashing:

- **1 Blink:** No network cable detected
- 2 Blinks: Communicator is broadcasting UDP and there is no response from AA GATEWAY
- **3 Blinks:** No AA-GATEWAY connection to the communicator
- **4 Blinks:** If MAC address table is populated with devices but not all devices are connected to the communicator
- **5 Blinks:** Total number of devices that connect to the communicator does not match the number of locks connected to the communicator.
- **6 Blinks:** Encryption disabled

YELLOW IP NETWORK STATE LED

Labeled "**DS15**", this LED is located to the right of the **ETHERNET** socket on the PC board.

- **Blink every 3 seconds:** TCP traffic between the communicator and AA GATEWAY operating correctly.

SUPPLYING POWER

Power is supplied by the model TRF12/T123 (16.5V / 20VA) external transformer plugged in to a standard 120VAC (60Hz) wall outlet, and then wired to the SLE-ULPS-R terminals 1 and 2 (see wiring diagram on page 6). The AA-LTEA-PW uses the transformer to covert the 120VAC voltage to 16.5VAC, then the SLE-ULPS-R power supply changes the 16.5VAC into the required 12VDC input (while also charging the battery). For proper operation in a power outage, UPS backup is recommended as the communicator will not be able to communicate with Gateways if the power is lost. We recommend that standby power to the cable modem/router and switch at the premises be provided by UL 1481, UL 864 or ITE (*Information Technology Equipment*) Listed UPS at the premises to power these devices for 24 hours (unless an engine driven generator is provided on the premises).

INSTALLATION STEPS

STEP 1: ACCOUNT REGISTRATION

Create a new account and register specific Air Access communicator modules at www.NapcoComNet.com. Accounts and modules registered via the Internet are enabled for activation within 24 hours.

STEP 2: SELECT A MOUNTING LOCATION

Do NOT mount the AA-LTEA-communicator within 6 feet (1.8m) of a Gateway.

The mounting location should be indoors within the protected area and selected based on RF performance. It is HIGHLY recommended that the installer carefully adhere to the following recommendations BEFORE any wires are installed.

- Generally, high locations are best. DO NOT mount communicator in basements or below grade as unpredictable performance may result.
- DO NOT mount the communicator in non-climate controlled environments (i.e. attics may become extremely hot in summer, garages may become extremely cold in winter).
- Avoid mounting locations within 3 feet of AC power lines, fluorescent light fixtures, or large metal objects (air conditioners, metal garage doors, etc.) as these locations have been shown to have a detrimental effect on signal strength.
- A fair amount of care may be required to mount the communicator so as to achieve an optimal RF path. The installer should spend as much time as needed to obtain the highest signal level possible.

a. ***Before applying power, be sure to connect the antenna***. Temporarily connect power to the communicator from a fully charged 12V (4AH minimum) battery. DO NOT mount the unit at this time. Press **Tamper** switch to send a signal.
b. Position the unit in the desired mounting location, with antenna oriented vertically. The signal strength is displayed by the Green "Signal Strength LED" labeled "D3" (located at the lower right corner of the PC board). The radio tower signal strength may fluctuate from day to day, therefore it is best to try to find a mounting location where the LED provides a **minimum of 2 blinks**.
c. Once a location has been selected based on signal coverage, permanently secure the unit using #8 screws (not supplied) in the two mounting holes.

WARNING: To ensure user safety and to satisfy FCC RF exposure requirements, this unit must be installed so that

a minimum separation distance of 60cm (24") is always maintained between the antenna of the transmitting device and nearby persons.

STEP 3: WIRING

Wiring Methods

- Strip wire carefully to avoid exposed conductors after installation, etc.)
- Use of Listed wire, ensuring that all conductors are to be insulated for the maximum voltage of any conductor in the enclosure
- All wiring methods must be performed in accordance with NFPA70, Articles 725, and 800

STEP 4: APPLY POWER

- ***Attach antennas before applying power !***
- Wire the model TRF12/T123 (16.5V / 20VA) external transformer to the **SLE-ULPS-R** terminals 1 and 2 (snake the transformer wires through an appropriate knockout in the metal housing), then physically insert the transformer into a standard 120VAC (60Hz) wall outlet, thus powering the unit
- Observing polarity, connect red (+) and black (-) flying leads to the terminals of a standard 12V, 4AH minimum (7AH maximum) rechargeable battery.

STEP 5: SIGNAL VERIFICATION

After triggering channels, use the Air Access communicator Signal Verification to ensure that the Air Access communicator Network has properly received the signals.

- **Verify Online**: To verify that the signals have been received by the Air Access Communicator Network online, go to the Air Access Control Center (https://airaccess.cloud), log in with your Username and Password, enter your **Company ID** number and the Air Access **Radio Number**, then click **Signal Log**.

IMPORTANT: Verify that the signals transmitted by the Air Access communicator have been properly received by your Air Access Communicator Network account before leaving the premises.

SIGNALS ORIGINATED AT THE NOC

NOC Originated Alarms	Initiated By	Comments
Supervisory Fail	Automatically by NOC if fail to receive any signal from Air Access communicator within Supervisory Timeout duration.	For Auto Enroll, uses captured telephone number, Sub ID and format. For Dealer Programmed, uses entered telephone number, Sub ID and format.
Press to Send Test Signal	Manually by dealer from the Management Center **Signal Log** screen (located at https://airaccess.cloud). Sends test into CS receiver.	Same comment as above.
Press to Send Communicator Test	Manually by dealer from the Management Center **Checkins** screen (located at https://airaccess.cloud). Sends a command to the Air Access communicator to force a check-in to the Management Center.	----

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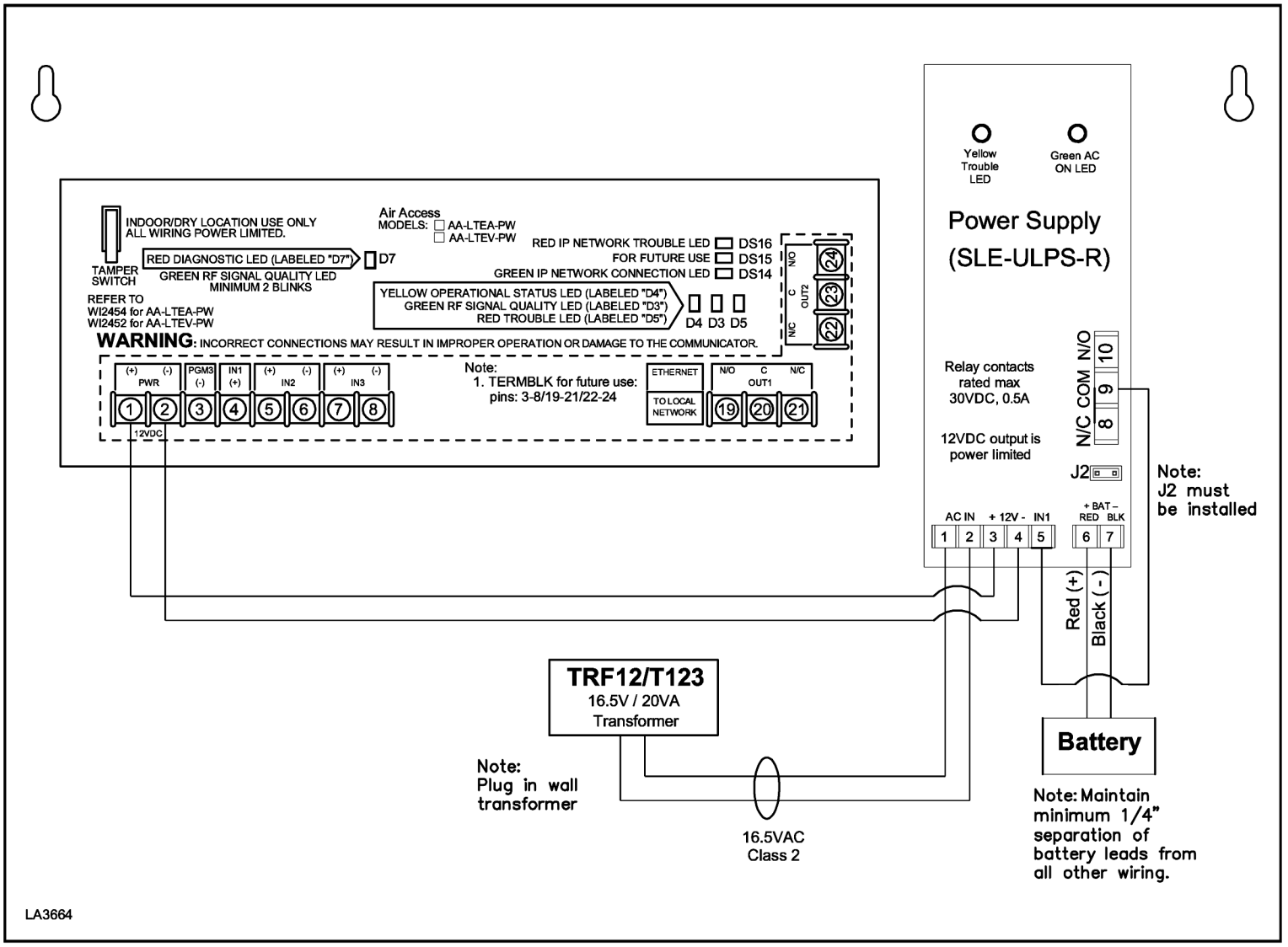
AA-LTEA-PW Wiring Diagram



***Notes:**

- Licensed electrician required to wire the 120VAC connections to the transformer in accordance with N.E.C. and local code requirements. Refer to section "**SUPPLYING POWER**".
- Route 120VAC only through the housing knockouts.
- Keep all non-power limited wiring separate from all power-limited wiring inside the housing by 1/4".
- Shunt **J2** is used to ground IN1, be sure J2 jumper remains inserted in place.

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NAPCO LIMITED WARRANTY

NAPCO SECURITY TECHNOLOGIES, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for *36 months* following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, THIS WARRANTY IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF NAPCO.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period. IN NO CASE SHALL NAPCO BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

In case of defect, contact the security professional who installed and maintains your security system. In order to exercise the warranty, the product must be returned by the security professional, shipping costs prepaid and insured to NAPCO. After repair or replacement, NAPCO assumes the cost of returning products under warranty. NAPCO shall have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. NAPCO will not be responsible for any dismantling, reassembly or reinstallation charges.

This warranty contains the entire warranty. It is the sole warranty and any prior agreements or representations, whether oral or written, are either merged herein or are expressly cancelled. NAPCO neither assumes, nor authorizes any other person purporting to act on its behalf to modify, to change, or to assume for it, any other warranty or liability concerning its products.

In no event shall NAPCO be liable for an amount in excess of NAPCO's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

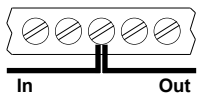
NAPCO is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to NAPCO's original selling price of the product regardless of the cause of such loss or damage.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

NOTE: This equipment has been tested and found to comply with the limits for a Class B Unintentional Radiator, 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 Instruction Manual, 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 of more of the following measures: 1. Reorient or relocate the receiving antenna; 2. Increase the separation between the equipment and receiver; 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected; 4. Consult the dealer or an experienced radio/TV technician for help.

IMPORTANT WIRING METHODS

For single-conductor terminal blocks (like the type shown at left), to terminate more than one conductor to a terminal, use the wiring methods shown at right:



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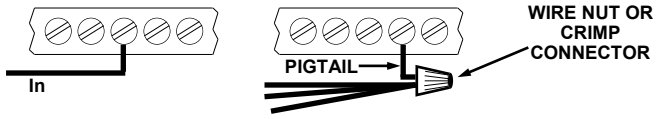
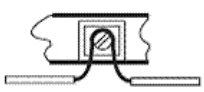
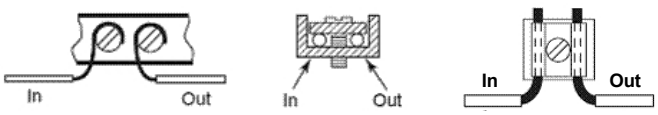


Correct -- Single incoming and/or pigtail with wire nut / crimp connectors

For "barrier" type terminal blocks (like the type shown at left), to terminate two conductors to a terminal, use the wiring methods shown at right:

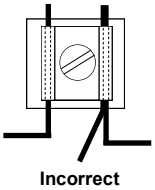


Incorrect

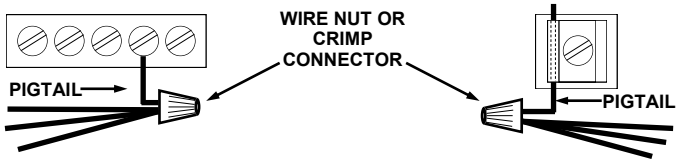


Correct -- Separate incoming and outgoing conductors

To terminate more than two conductors or conductors of different wire sizes to a terminal, use the "pigtail" type wiring method as shown at right. Use insulated wire for the pigtail, and firmly secure the conductors to the pigtail using an appropriate wire nut or crimp connector for the number and gauge of conductors used.



Incorrect



Correct -- Use pigtail and wire nut / crimp connector

ALARM LOCK AirAccess

345 Bayview Avenue, Amityville, New York 11701
For Sales and Repairs 1-800-ALA-LOCK
For Technical Service 1-800-645-9440
or visit us at http://tech.napcosecurity.com/
(Note: Technical Service is for security professionals only)
Publicly traded on NASDAQ Symbol: NSSC

Air Access™ Quick Start Guide

WI2447BLF 6/22

Thank you for purchasing an Air Access kit.

The components in the Air Access kit allow for a quick and easy installation. The Air Access Communicator and Gateway included in the kit have been preconfigured to work with the *Air Access Cloud Web Portal* and are ready to use. The Air Access Communicator and Gateway communicate to Alarm Lock's ArchiTech and Networx Locks, the NetPanel (which support most common industry readers, such as HID readers), and optional Expanders, to create a completely independent wireless system.

This Quick-Start manual is intended to guide you through ALL the required installation steps, from unpacking, system activation and configuring a basic system using the simple 5-step Configuration Wizard.

For more detailed information, refer to the ***Air Access Online Help*** in the Air Access Cloud Software.

Overview

The Air Access™ system is a Cellular Access Control system. A simple, typical Air Access system consists of a **Cellular System Communicator (Radio)** and an **Air Access Gateway**. The Communicator and Gateway are two devices in the link that facilitates wireless communications between the Air Access software and an individual Networx wireless lock mounted on a door.

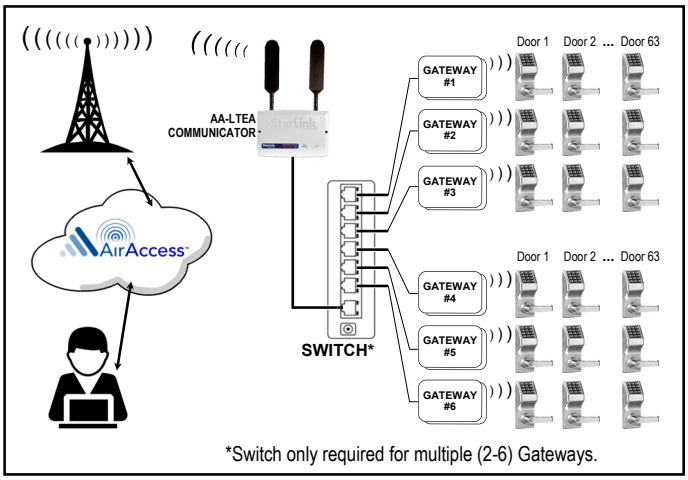
The Air Access system is fully compatible with a large selection of **Alarm Lock's wireless ArchiTech and Trilogy Networx™ Locks**, including the **NetPanel** and optional **Networx Expanders**.

Installation is simple: Connect the Air Access Communicator to an Air Access Gateway with one RJ-45 Ethernet network cable. The Air Access Communicator and Gateway is powered by a transformer that plugs into a non-switchable and infrequently used 120VAC wall outlet. Next, mount an **ArchiTech** or **Trilogy Networx Lock** on a door, or a **NetPanel** in a secure location. If an optional **Expander** is required to increase the range of the Gateway, mount the Expander. **Very Important:** Refer to the installation instructions included with each device.

The Air Access system allows you to upload and download lock programming features wirelessly, using the *Air Access Cloud Web Portal*. As shown in the illustration below, the connection to the *Air Access Cloud Web Portal* is made through a secure Internet connection. The Air Access *Cloud* communicates to the Locks and Panels via the cellular Air Access Communicator, wired directly to one Air Access Gateway.

Capacities

As shown in the illustration below, the Air Access system is scalable and can support up to six (6) **AA-GATEWAY** devices for each Air Access Communicator. Up to 63 wireless locks including up to 7 Expanders are supported for each **AA-GATEWAY** device. If more than one Gateway is needed, an **Ethernet switch** must be used. **Note**: If you require additional hardware for a larger system, multiple Air Access Communicators and cellular plans can be purchased for a single location.



Unpacking the Kit (What's in the Box?)

Prior to unpacking the box, verify you purchased the intended kit as described below. In addition to the kits, please verify you purchased at least one **ArchiTech** or **Trilogy Networx Lock**, and anything else you require for a complete system. The following kits are available. Each kit contains an Air Access Communicator, Gateway and power accessories.

- **AA-KIT1A** (Air Access Cell Communicator with AT&T Service, Gateway and 120V Power Transformer)
- **AA-KIT1V** (Air Access Cell Communicator with Verizon Service, Gateway and 120V Power Transformer)
- **AA-KIT2VPOWER** (Air Access Cell Communicator with Verizon Service mounted in a metal enclosure with 12V backup battery charger, Gateway and 120V Power Transformer)
- **AA-KIT2APOWER** (Air Access Cell Communicator with AT&T Service mounted in a metal enclosure with 12V backup battery charger, Gateway and 120V Power Transformer)

Hardware Installation Instructions

1. Open the box and remove all the components from the Air Access Kit and place them on a clean table top. Be sure that the ID cards provided with each device (that display the **Air Access Radio ID**, **Air Access Gateway ID, Expander ID** and **Locks/Panels IDs**) are kept in a secure location.

2. Open the Air Access Communicator cover by removing the two screws on the front cover. Wire the **12V** and **Gnd** wires from the supplied transformer into the terminal strip. Connect the RJ-45 Ethernet network cable to the RJ-45 Ethernet jack. The Air Access Communicator is available in a plastic enclosure (refer to **WI2449**). The Air Access Communicator is also available in a metal enclosure with 12V backup battery charger for the battery which must be purchased separately (refer to **WI2450**; requires a sealed lead acid minimum 4AH / maximum 7AH battery for the minimum 24-hour standby time; maximum charge current is 200mA).

   Very Important: The Air Access Communicator and Gateway do not connect to the end user's network; they communicate on their own dedicated network, eliminating the need for I.T. support.

3. Open the Air Access Gateway cover by removing the screw at the bottom. Wire the **12V** and **Gnd** wires from the supplied transformer into the power connector. Connect the RJ-45 Ethernet network cable from the Air Access Communicator to the RJ-45 Ethernet jack in the Gateway. **Note:** The minimum distance between the Communicator and any Gateway must be at least 6 feet (1.8m). The Air Access Gateway is also available in a POE version. **Very Important**: Refer to the Gateway installation instructions (**WI2453** or **WI2454**).

4. Power all devices, using the supplied power adapters or batteries.

   Very Important: The **placement** of the Air Access Communicator, Gateway, Locks/Panels and Expanders are extremely important. *Refer to the installation instructions included with each device*.

Ordering Information

In addition to the Air Access kits that include a Communicator and Gateway, an Expander can be purchased if the range of a Gateway needs to be extended.

The Air Access system also supports a large selection of wireless locks. The Air Access system supports a complete line of **ArchiTech Networx Series Locks** and **Trilogy Networx Series** of locks. Below are a few of the Wireless Lock models available.

ArchiTech Networx Series - For architectural and designer applications, virtually unlimited combinations of **300+ architectural trims and finishes**, in **mortise** and **cylindrical** lock styles, with multi-credential proximity reader technologies. See www.alarmlock.com for a complete list of all available ArchiTech Networx series devices.

Trilogy Networx Series- Field-proven standalone Trilogy® electronic keyless access locks, provide access control with PIN-code or built-in HID® Prox, Multi-technology or swipe reader for ID badges. Wireless Trilogy Networx™ access locks, are easily networked using Gateways and Expanders, eliminating door-to-door operations and featuring global lockdown or unlock in seconds, activated from the *Air Access Cloud Web Portal*. See www.alarmlock.com for a complete list of all available Trilogy Networx™ series locks.

Quick Start Steps for a Dealer

1. **Unpack** the Air Access equipment and verify you ordered all the required equipment. The Air Access kits contain one Communicator (radio), Gateway and power accessories. Locks, NetPanels and Expanders (if applicable) must be purchased separately.

2. **Set Up your Private Network** - **Note:** If more than one Gateway is used, a standalone Ethernet switch is required. **Very Important**: *The Air Access network and equipment MUST NOT be connected to the customers IT network.*

3. **Power ON** the Air Access Communicator (radio).

4. If you are not an existing ComNet dealer, register as a new dealer on the Napco ComNet website at *www.NapcoComNet.com*. For new dealers, approval can take up to 24 hours. Upon approval, an email will be sent to the approved dealer, containing the ComNet login credentials.

5. **Log into the Napco ComNet website** with your existing or new ComNet credentials.

6. **Activate** the Air Access Communicator (radio) on the Napco ComNet website (follow the step-by-step instructions later in this document). In ComNet, you must select **NEW SUBSCRIBER** for the first radio at each location. After the Registration and Activation of the radio, the auto-enrollment of the radio in the Air Access Cloud software will take approximately 10 minutes. **After the first radio is activated, the Air Access credentials will be emailed to the dealer.** Once the credentials are received, you can log into the Air Access Cloud software at http://airaccess.cloud/Login.aspx

7. **Log into the Air Access Cloud software** as a **Dealer** with your credentials that were emailed to you.

8. **Verify the Air Access Communicator (radio) was auto-enrolled** into the Air Access Cloud software under **Configuration** > **Radio**. **Note:** This could take approximately 10 minutes after activation.

9. If only one Gateway is being used, **connect the Air Access Gateway** to the **Air Access Radio**, using one RJ-45 Ethernet cable (minimum of 6 feet (1.8m) between the two devices).

10. **Power ON the Air Access Gateway.** After approximately three minutes, verify the Air Access Gateway was auto-enrolled into the Air Access Cloud software. Gateways will display on the **Configuration** > **Radio detail** screen, under **Sub-Devices**. The auto-enrolled Gateway will also display on the **Configuration** > **Wireless Locks** screen.

11. **Add additional Gateways** (if applicable). **Note**: Upon connecting and powering ON an additional Gateway, the Gateway will be auto-enrolled in the Air Access Cloud within a few minutes.

12. **Discover and Add Expanders** (if applicable). Expanders increase the range of a Gateway.

13. **Install the wireless locks** on the designated doors and mount NetPanels (if applicable).

14. **Discover** and **Add** Locks and optional NetPanels on the **Wireless Configuration** screen.

15. If required, create additional **Schedules** on the **Administration** > **Schedule** screen.

16. If required, create additional **Access Groups** on the **Access** > **Access Groups** screen.

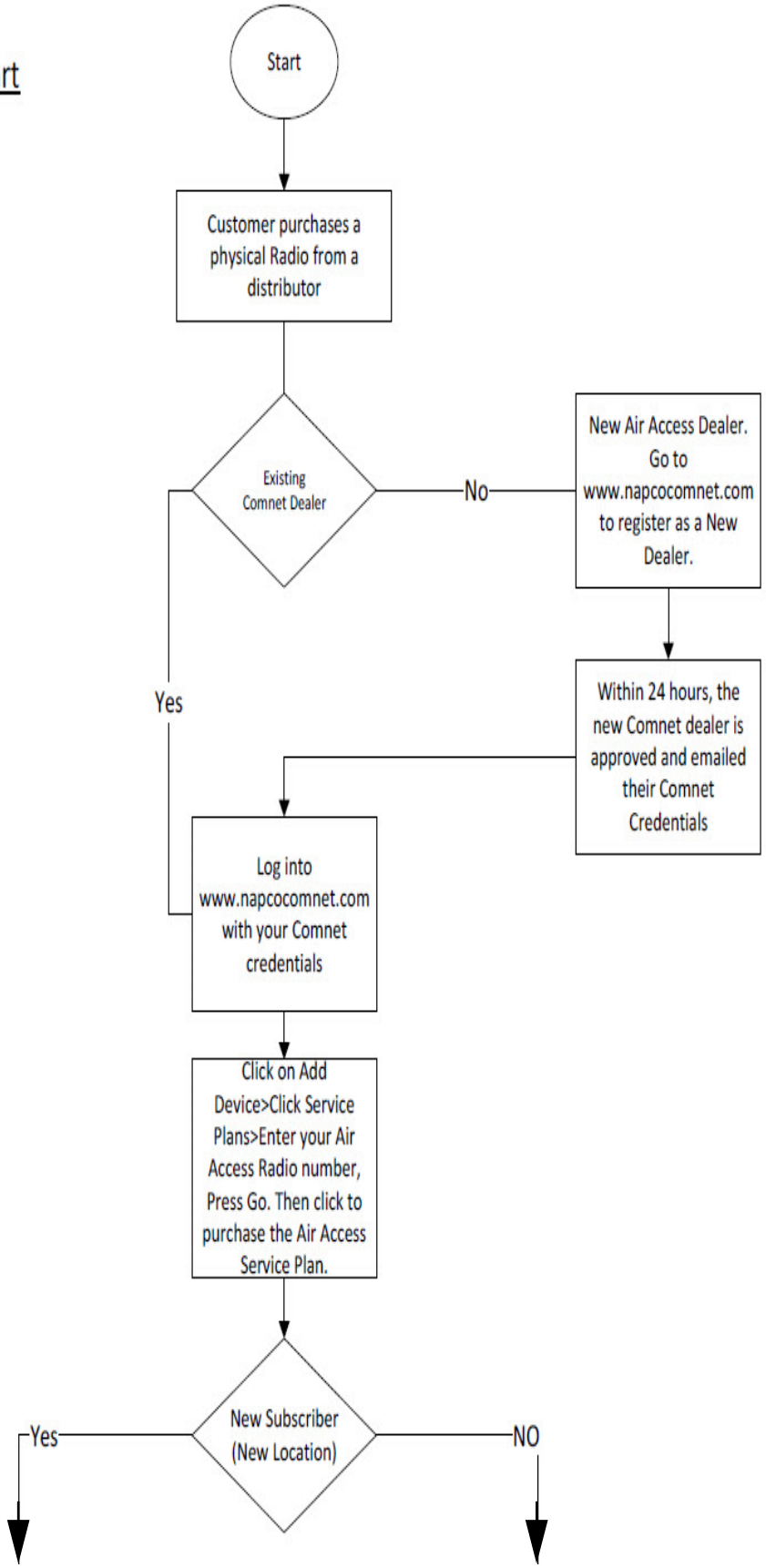
17. Enter **Badges / Pin Only** into the **Access** > **Personnel** screen.

18. Perform a **Data Download** to all Locks and NetPanels. Data downloads can be performed in the **Configuration** > **Locks/Panels** screen or the **Configuration** > **Wireless Locks** screen.

19. **Swipe a badge** at the Lock/Reader and verify the door unlocks.

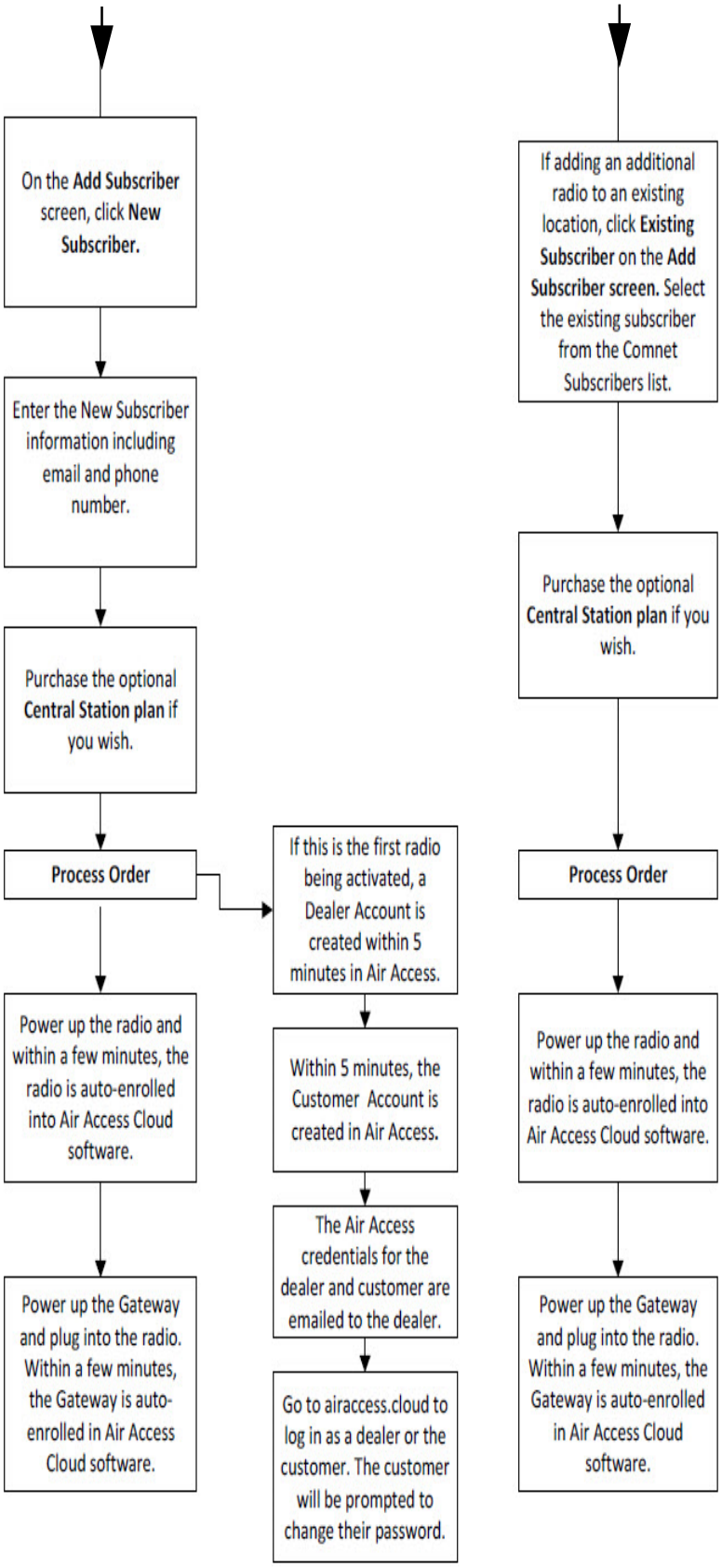
20. Upon swiping a badge and the door unlocking, a low priority alert (Badge Valid) will not display immediately. You must manually **Retrieve Events** under **Configuration** > **Locks/Panels** or wait up to 24 hours for the alert to display.

Air Access Comnet Flow Chart



(continued on the next page)

Air Access ComNet Flow Chart *(cont'd from previous page)*



Activate the Air Access Communicator on ComNet

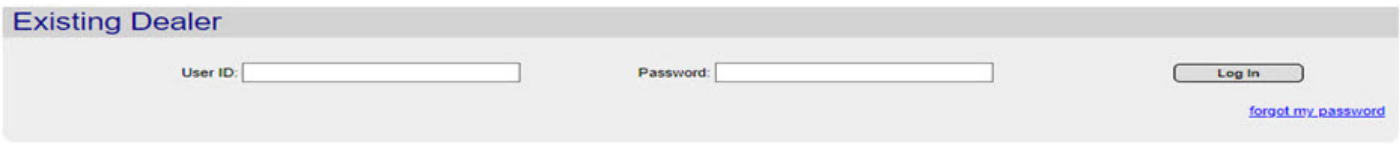
1. Power the Air Access Communicator by plugging the power adapter into an AC socket. If the communicator contains a battery backup, you must install the optional 12V, 4AH (min.) 7AH (max.) rechargeable battery. Ensure a *minimum of two (2) signal strength blinks* (see "**Minimum Signal Strength**" box at right). *A total of five (5) signal strength blinks indicates a maximum signal strength.*

Minimum Signal Strength

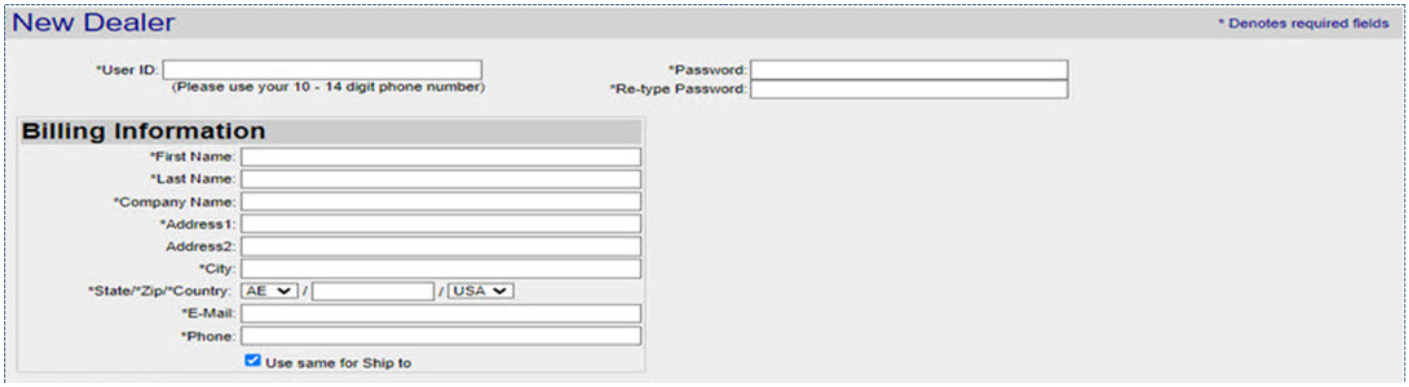
The wireless signal strength between the Communicator's cellular LTE communicator and the carrier is indicated by the number of green LED blinks on the face of the Communicator (**minimum is 2 blinks!**)

2. Go to *www.NapcoComNet.com* . Activate your Air Access Communicator and purchase an Air Access Service Plan. To log into your Comnet account or register as a new dealer, click **Click Here**.

3. If you are an **Existing Dealer,** and already have an account, enter your **User Id** and **Password** and click **Login**.

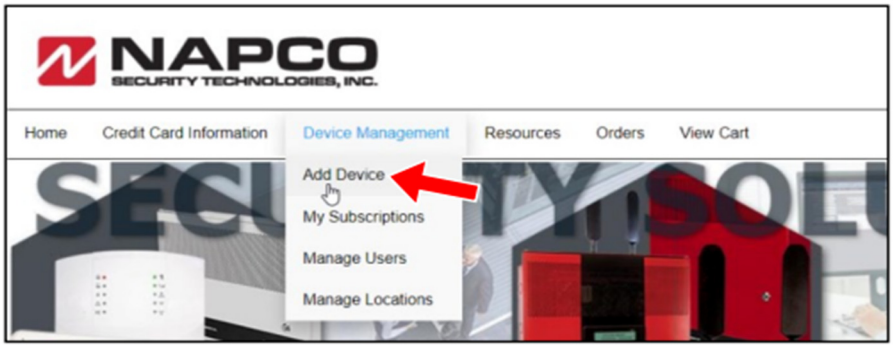


4. If you are a **New Dealer**, complete the **New Dealer** section and click **Continue**. Dealer accounts are approved Monday-Friday 8:30 AM - 4:30 PM **(please allow up to 1 business day for approval)**. Upon approval, you will receive an email from ComNet with your ComNet log in credentials. Upon receiving your log in credentials, log into your NAPCO ComNet account and activate your first Air Access Communicator. Upon activation, the information will automatically be sent to the *Air Access Cloud Web Portal*. In addition, your Air Access credentials will be emailed to you. This process could take up to 10 minutes. **Note**: Only dealers will receive emails containing Air Access credentials. Dealers will be required to pass on the credentials to their customers.



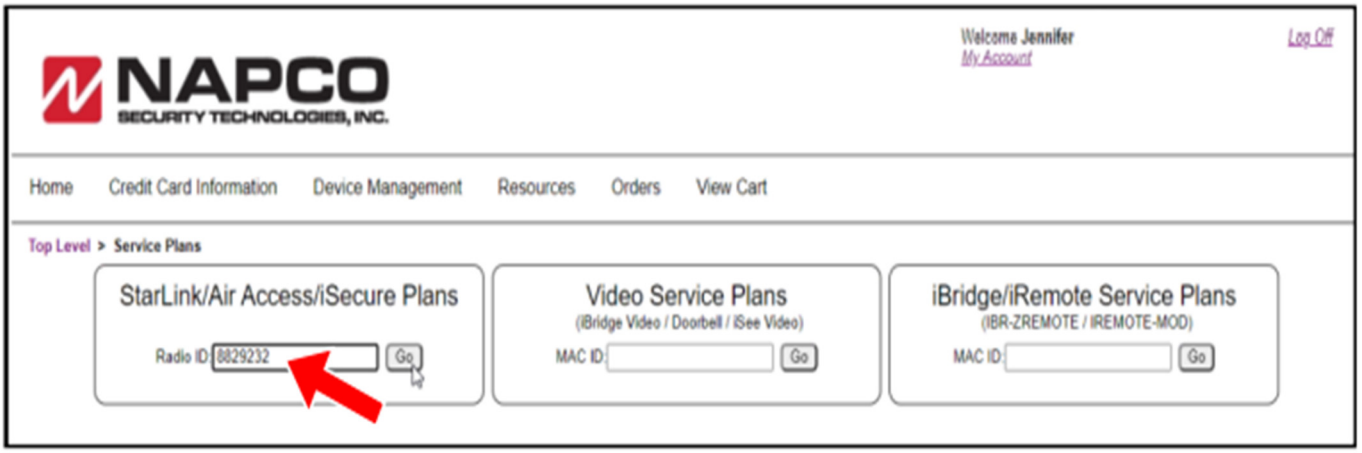
5. Upon logging in with your ComNet credentials, the ComNet home page will display with your account information displaying on the top right.

6. At the top of the web page, click **Device Management > Add Device.**

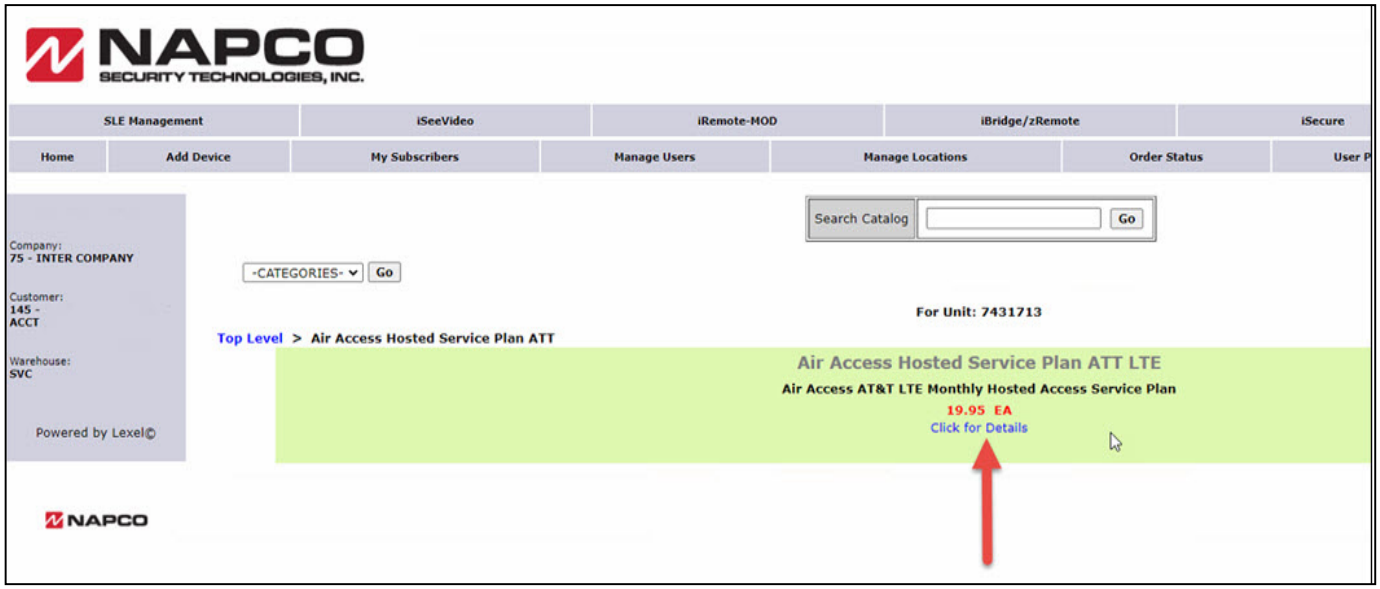


7. Click **Service Plans.**

8. Type the **Device ID** into the **Radio ID** field, then click **Go**.

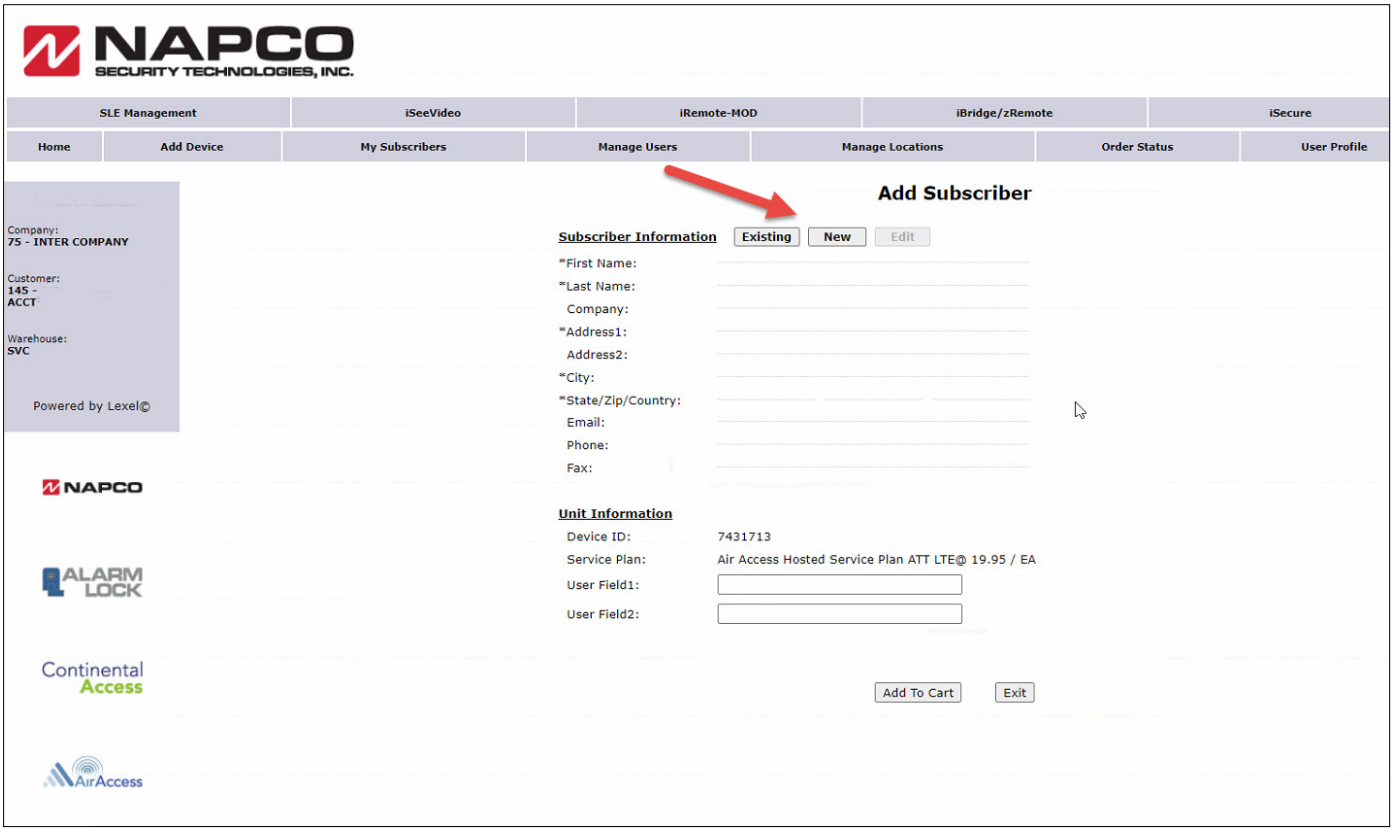


9. Upon entering a Device ID for an Air Access communicator, the Air Access Service Plan options will display. Click the **Click for Details** link.

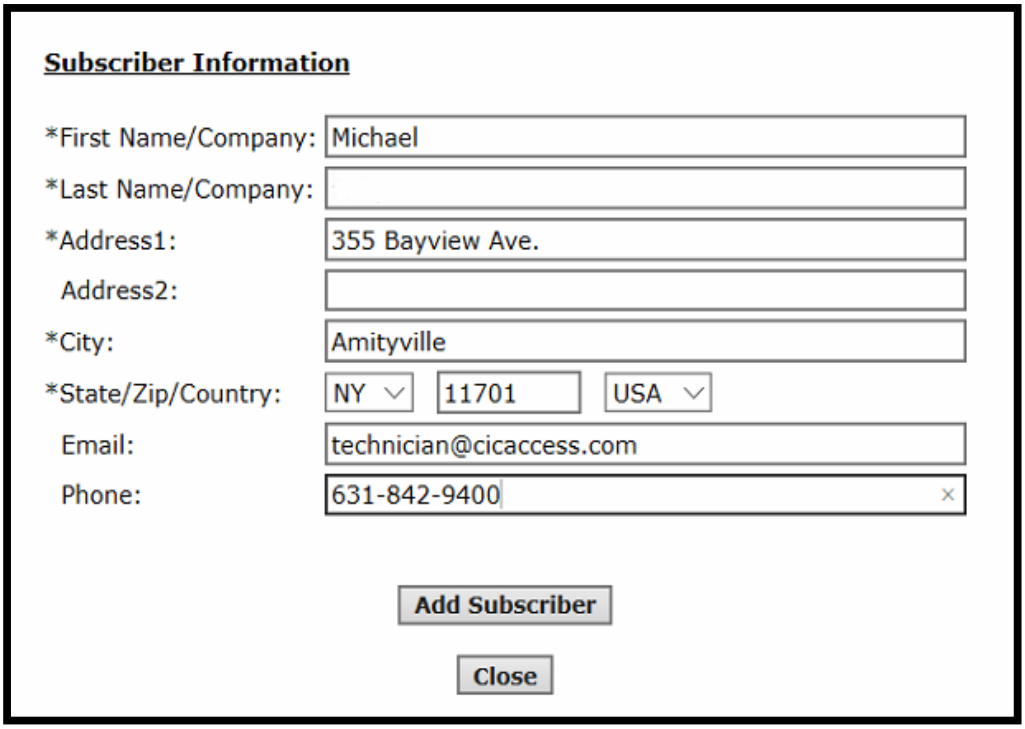


10. Review the Service Plan for the **Air Access Hosted Service Plan ATT LTE**, including the price. Click **Add**.

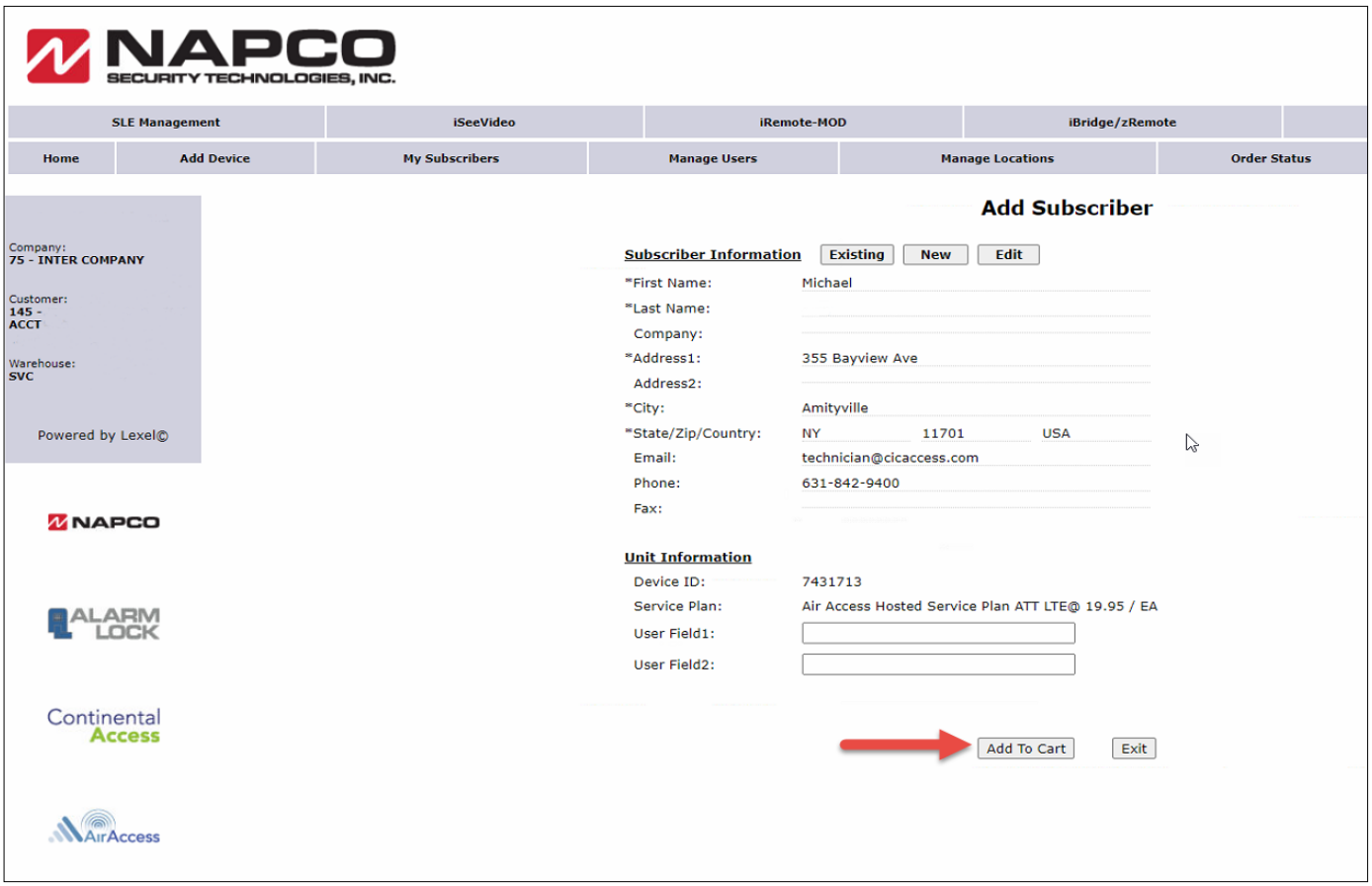
11. If this is the first radio at the location, click **New** in the **Add Subscriber** screen. If this is the second radio being added to an existing location, click **Existing** and select your Subscriber Information for the list.



12. Upon clicking **New** in the previous screen, type your information into the **Subscriber Information** screen. Required fields are marked with an asterisk (*). When finished, click **Add Subscriber**.



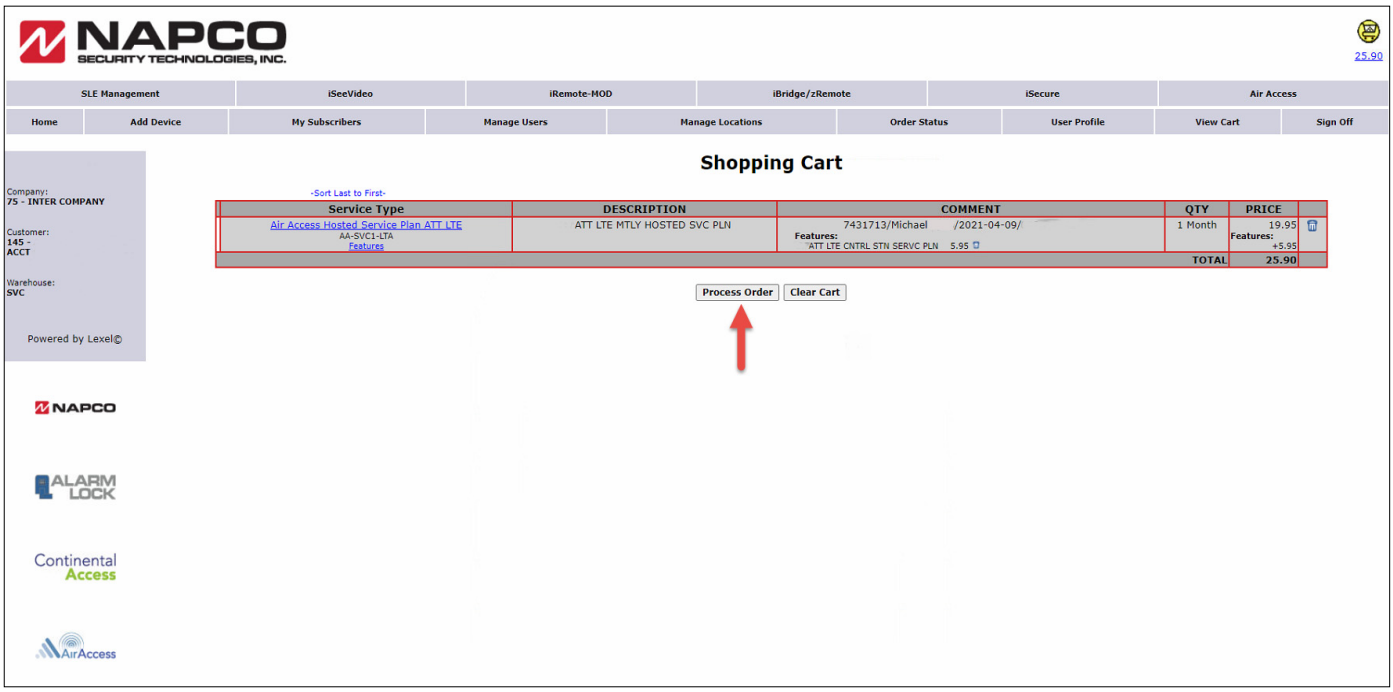
13. Re-verify all the Subscriber information, then click **Add To Cart**. Required fields are marked with an asterisk (*).



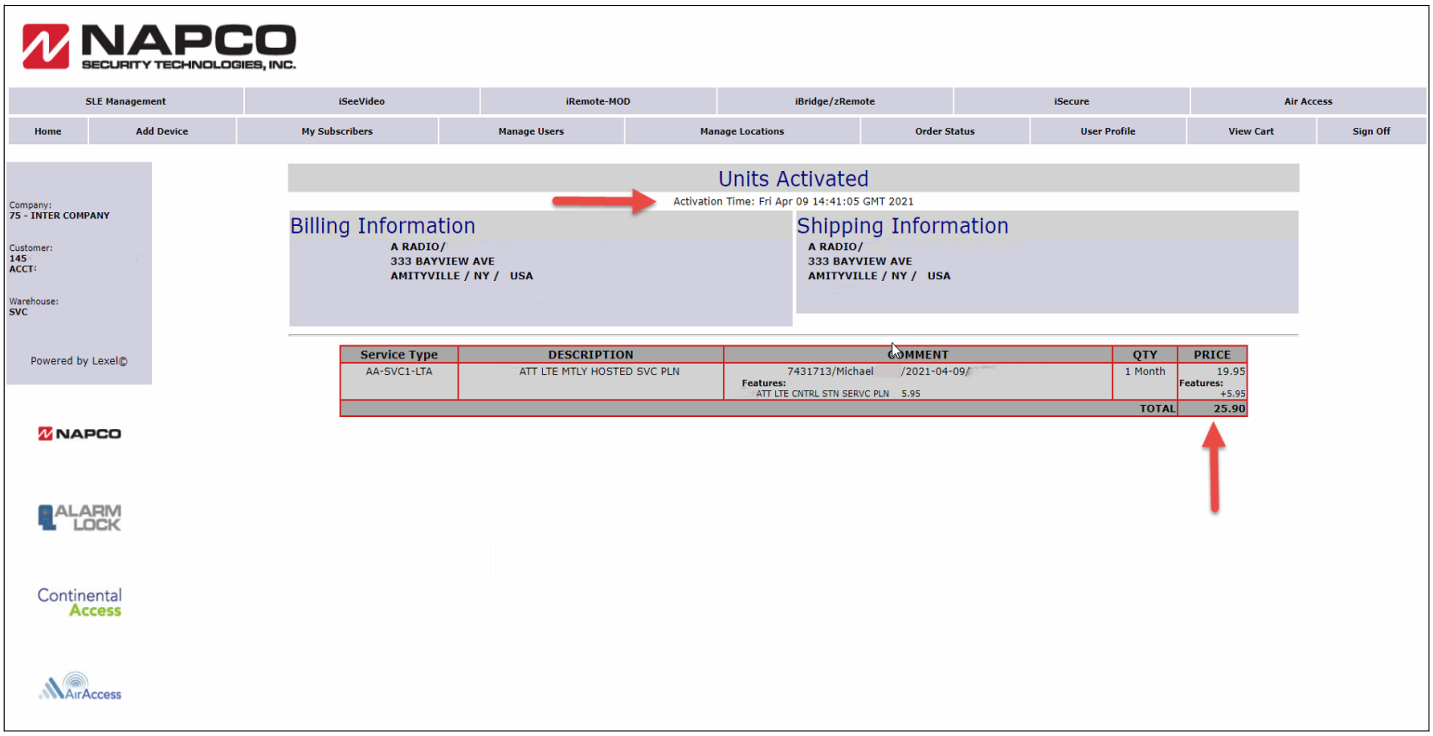
14. The **Air Access Hosted Service Plan ATT LTE** provides an additional feature, the **Air Access Central Station Service Plan**. This plan provides a central station monitoring option for real-time alarm reporting and SMS notifications on selectable events for dealer and account. The Central Station Service Plan is also used with the Air Access App. The App provides customized control for dealer and account.

    Purchasing this additional feature is optional. Click **Add** to purchase it and click **Close**.

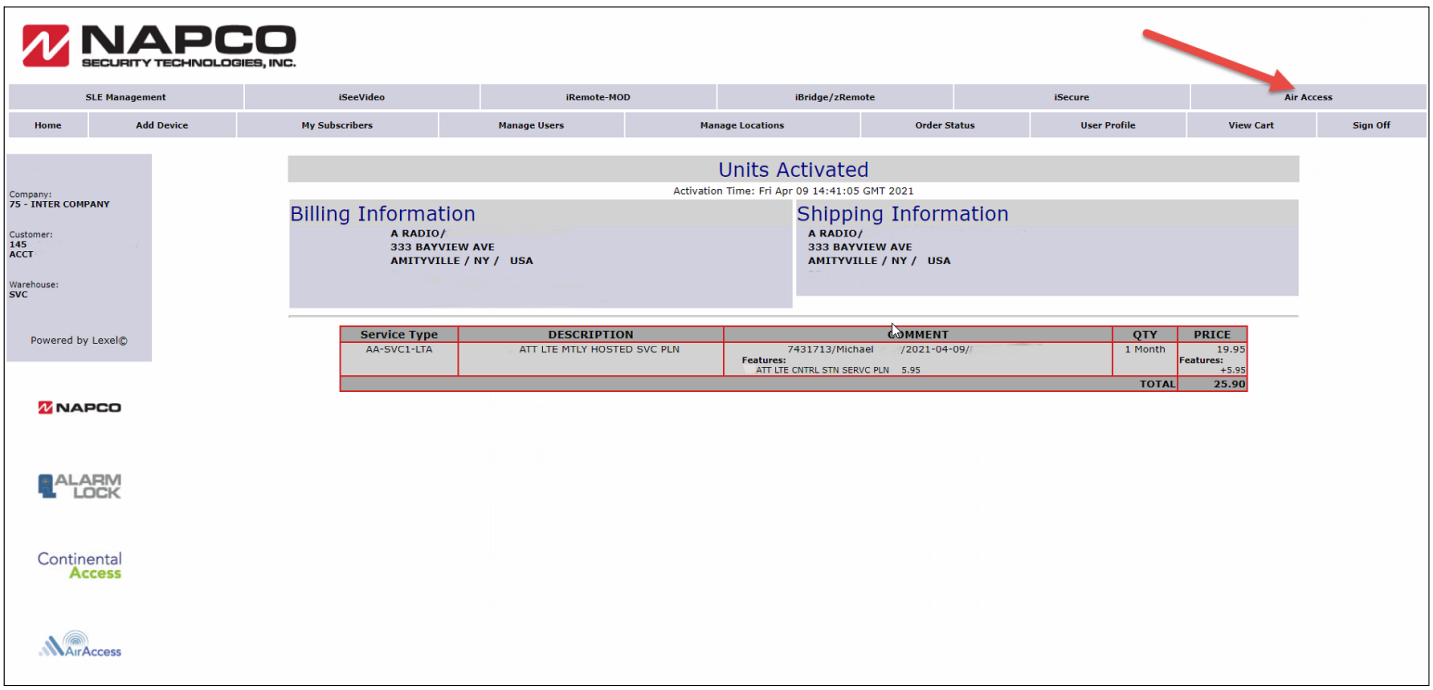
15. In the **Shopping Cart**, review the information, and if correct, click **Process Order**.



16. In the **Units Activated** confirmation screen (below), verify all the information that appears is correct. An email confirmation will be sent to the email address entered for the Subscriber.



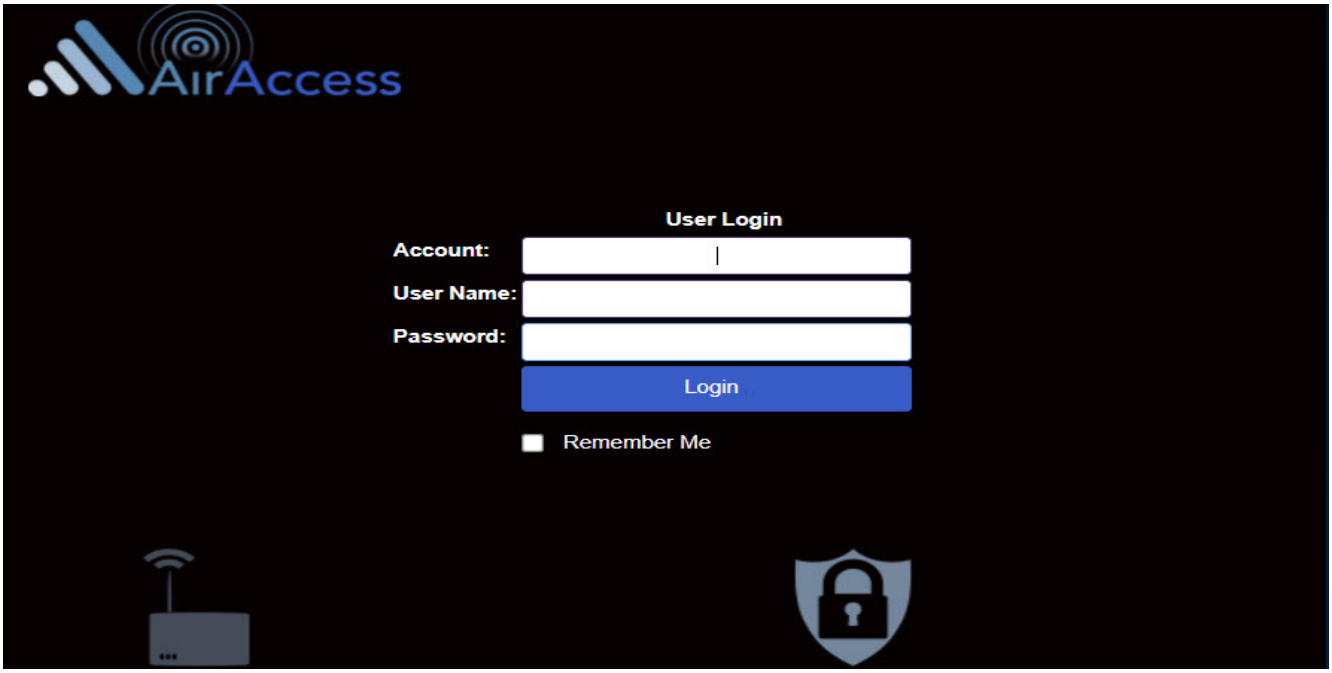
17. Click **Air Access** on the main menu to access the *Air Access Cloud Web Portal* **Log In** screen. **Reminder:** For new dealers, the activation process will not be immediate. If you wish to launch the *Air Access Cloud Web Portal* at a later date, click **Sign Off** and refer to the following page for the *Air Access Cloud Web Portal* log in process.



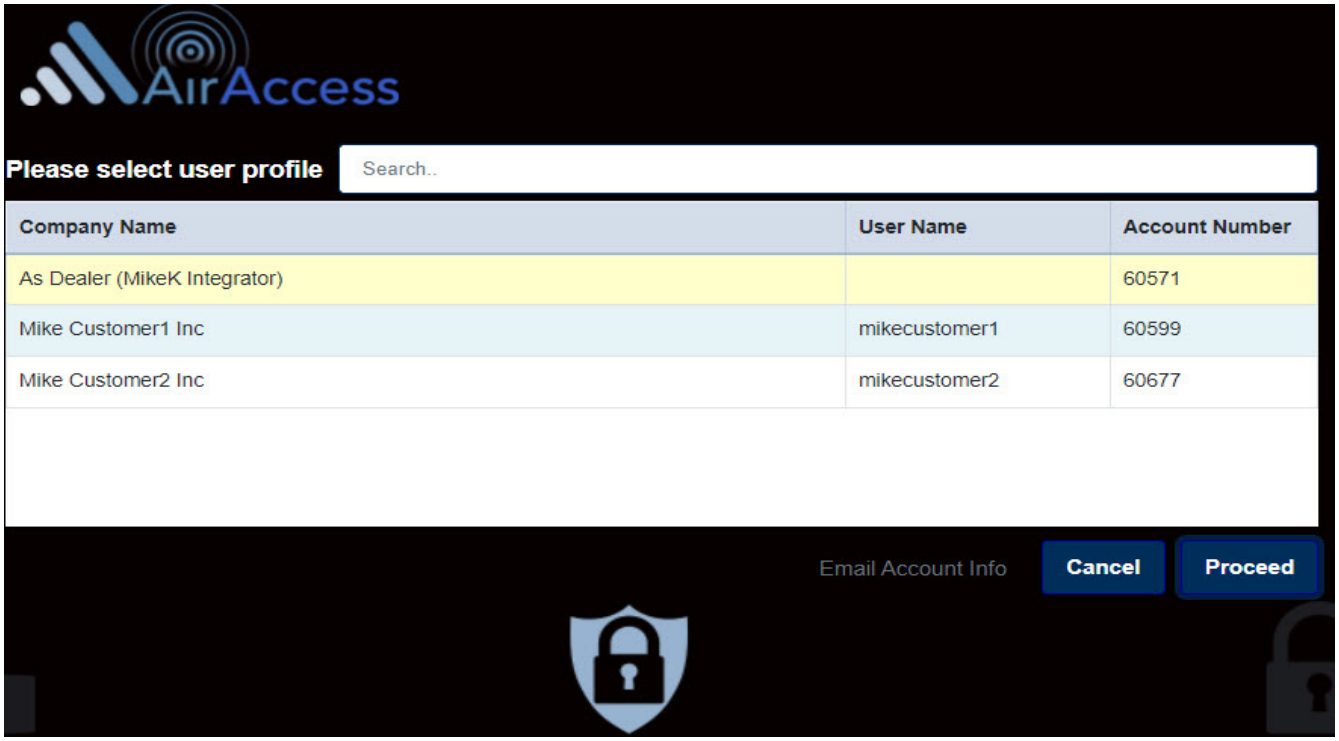
Launching the Air Access Cloud Web Portal Software

1. In a supported browser, type **Airaccess.cloud** .

2. Log in with your Air Access **Account Number**, **User Name** and **Password** (shown below) If you log in as a dealer, all the menu selections will be visible. If you log in as a customer, a subset of the menu selections will be visible. If you are a customer and do not have your credentials, please contact your dealer. The dealer is emailed all credentials, after they register the first radio on Comnet.

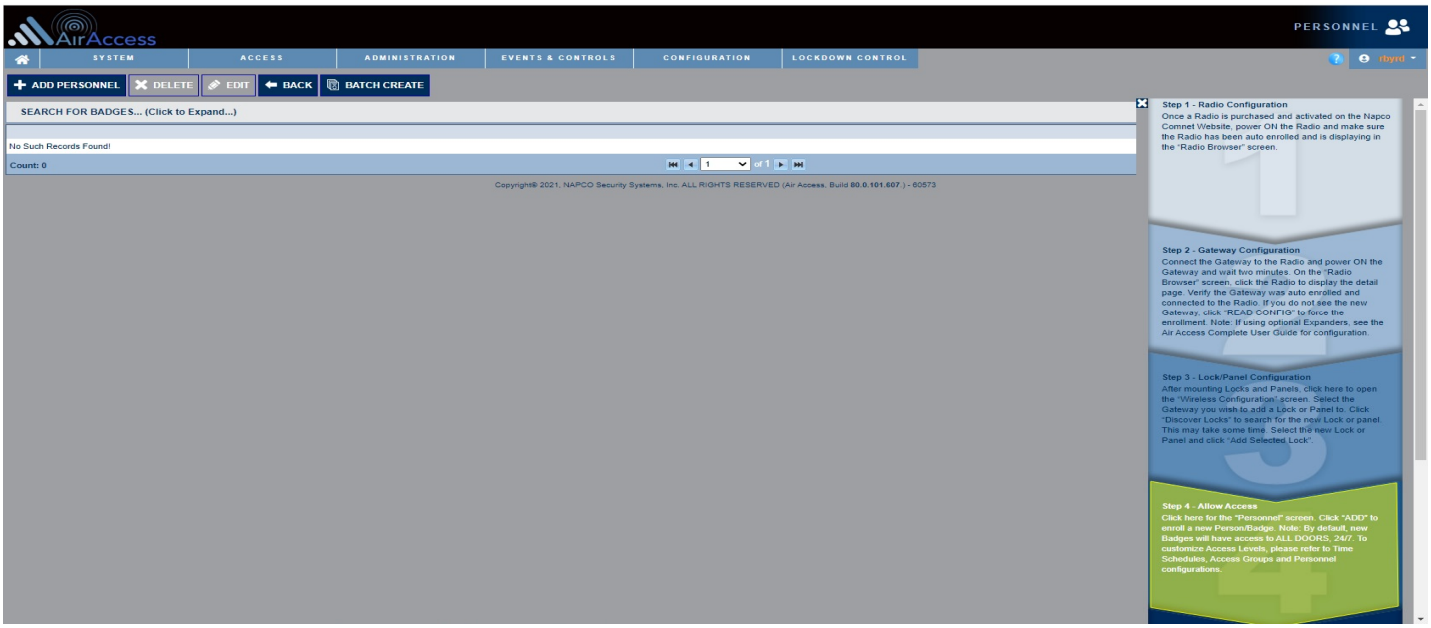


3. Upon logging in as a Dealer, a **User Profile** screen will display. A dealer has the option to select the Dealer profile and view all the customer accounts at once. Dealers also have the option to select only one customer and view information only for that one customer. The **User Profile** screen will not display if a customer logs in. Upon selecting the Dealer or a customer, click **Proceed**.



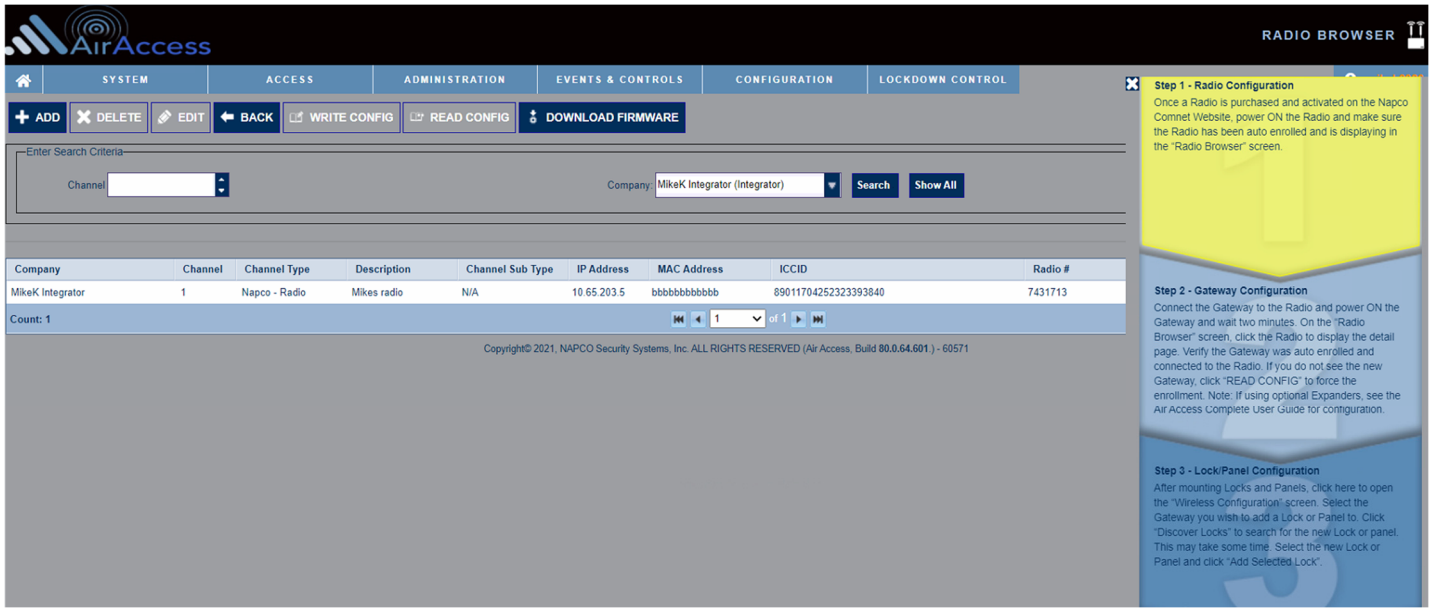
4. Upon logging into the *Air Access Cloud Web Portal*, the **PERSONNEL** screen will display. On the right side of the screen, the 5-step configuration Wizard is displayed. A click on each step will bring you to the screen that requires configuration. Each step in the Wizard also contains brief instructions.

   Note: The 5-step Wizard on the right side of the screen can be closed and reopened at any time. To close the Wizard, click the **"x"** on the top of the Wizard, or the **Close** button on the bottom of the Wizard. To reopen the Wizard after it is closed, click the Wizard graphic on the bottom right corner of the screen. If you wish not to display the Wizard, select **Not Show** at the bottom of the Wizard.



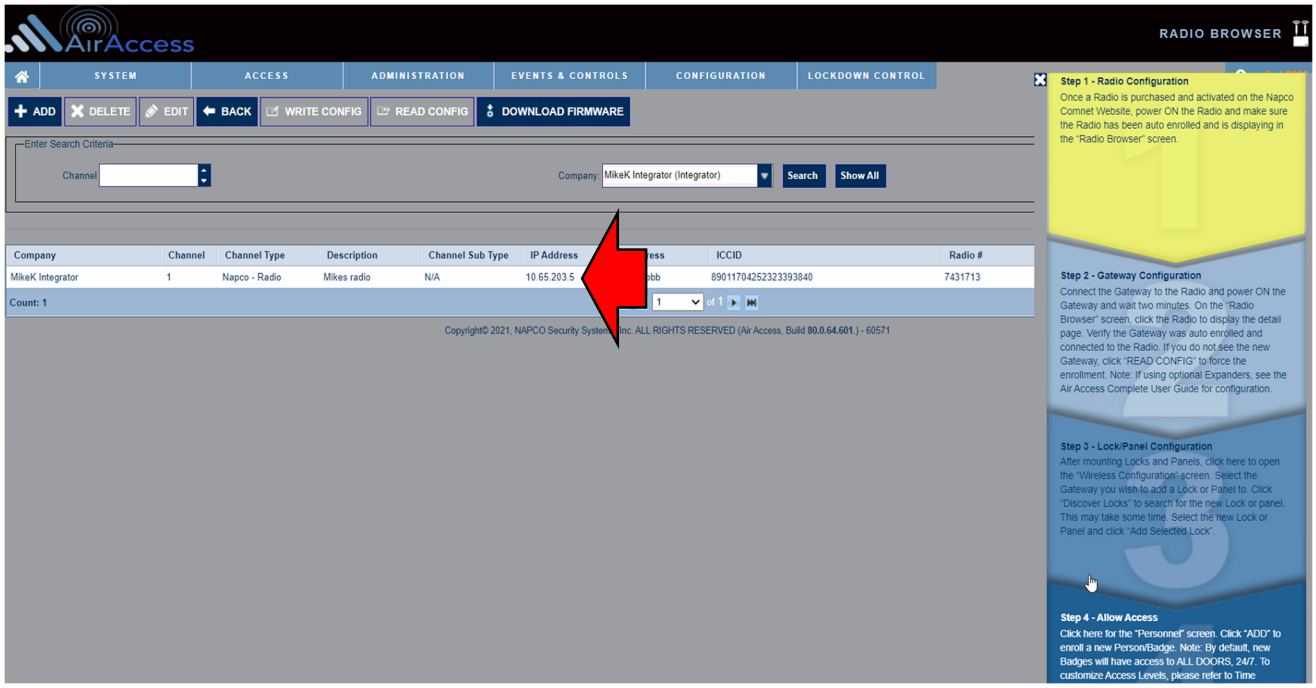
Programming a Basic System Using the 5-Step Wizard

Step 1. After a communicator is purchased, activate the communicator on the ComNet web site, power ON the communicator and verify the communicator is auto-enrolled in the *Air Access Cloud Web Portal*. **Click Step 1** in the Wizard to navigate to the list of Communicator devices in the *Cloud Portal*. **Note**: Refer to the Communicator Installation Instructions (WI2453) and (WI2454) you received with your Communicator for important installation requirements, including placement instructions.



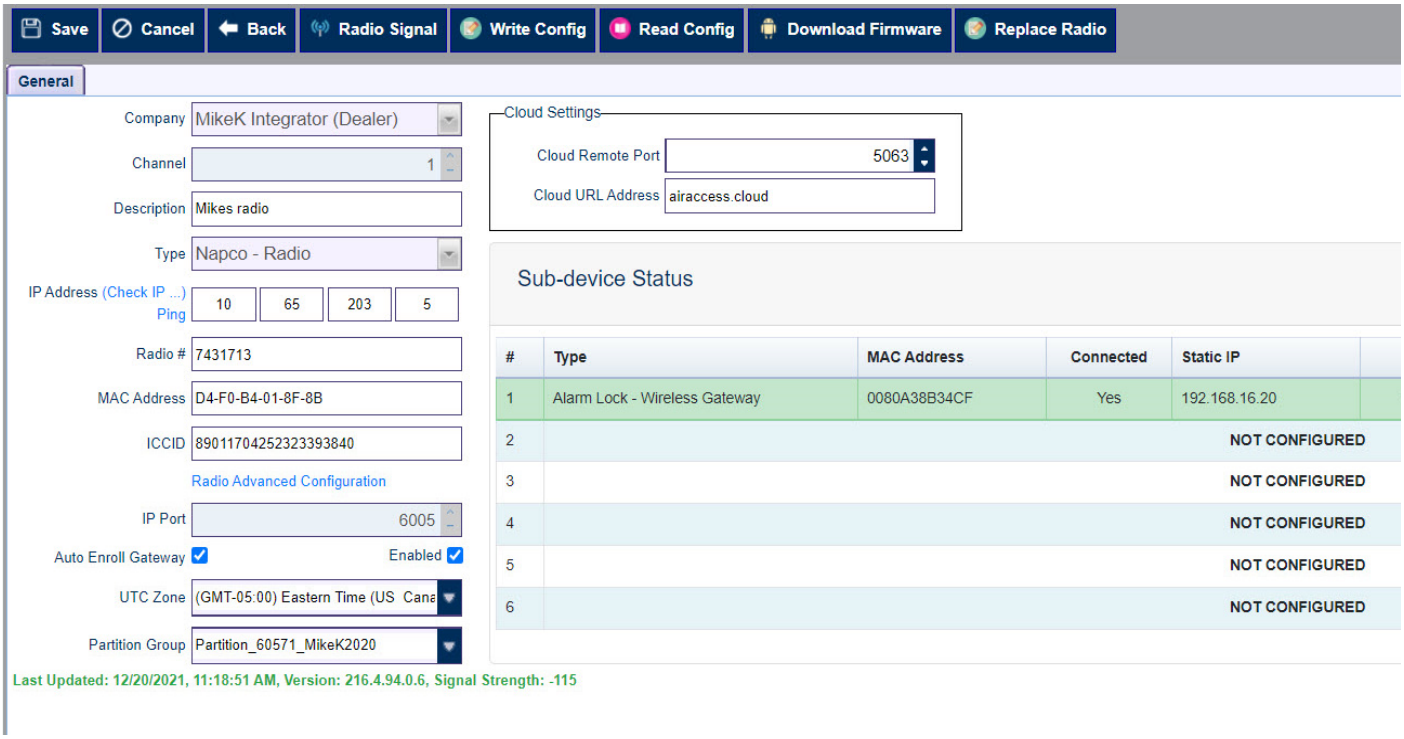
Step 2 (Gateway Configuration). Connect the Air Access Gateway to the Air Access Communicator. Power ON the Gateway. After waiting approximately 2 minutes, double-click the Air Access Communicator in the list to go to the Radio detail screen.

Note: Refer to the Gateway Installation Instructions (WI2449) and (WI2450) included with your Gateway for important installation requirements, including placement instructions.

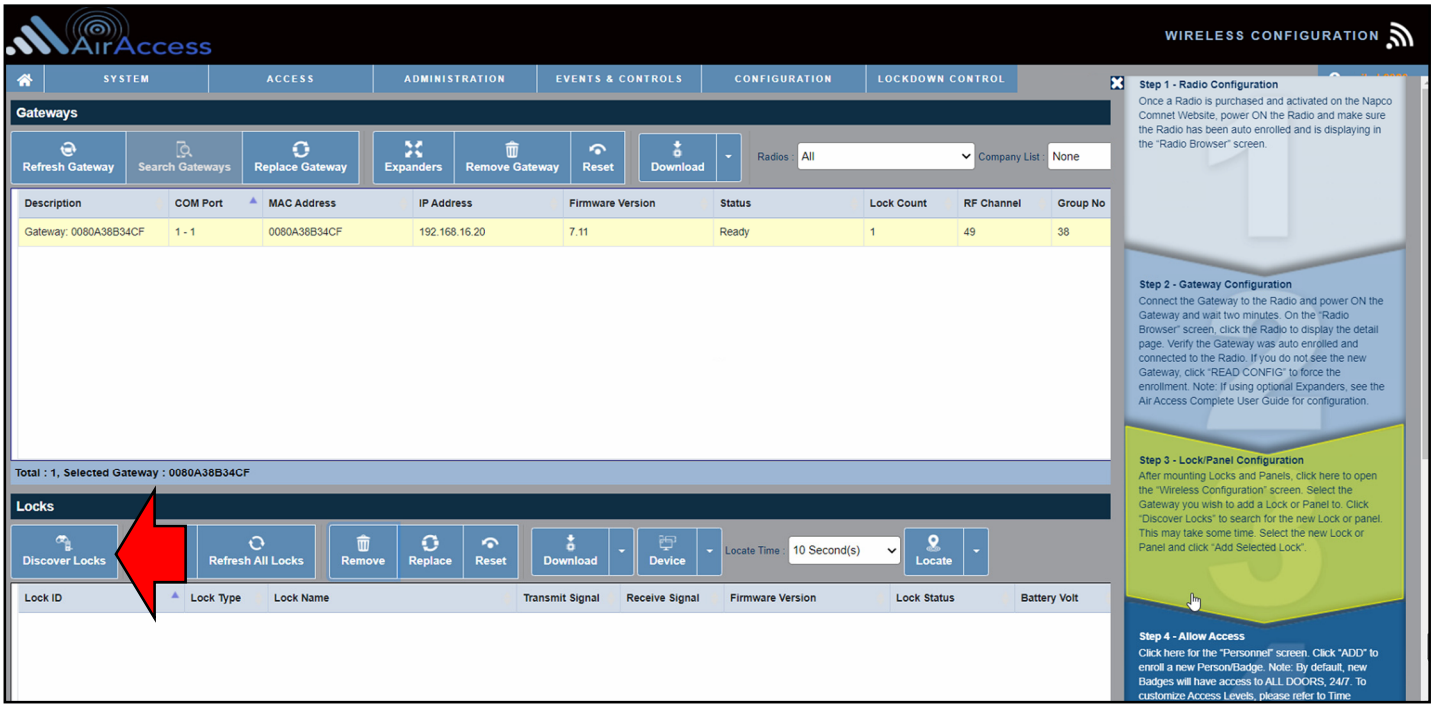


After double-clicking the Air Access Communicator in the list, **Step 2** of the Wizard will highlight and the Communicator detail screen displays. Review all information for the Air Access Communicator and verify the Gateway is auto-enrolled under **Sub-device Status**. If you do not see the Gateway after a few minutes, click the **"READ CONFIG"** button to force the enrollment.

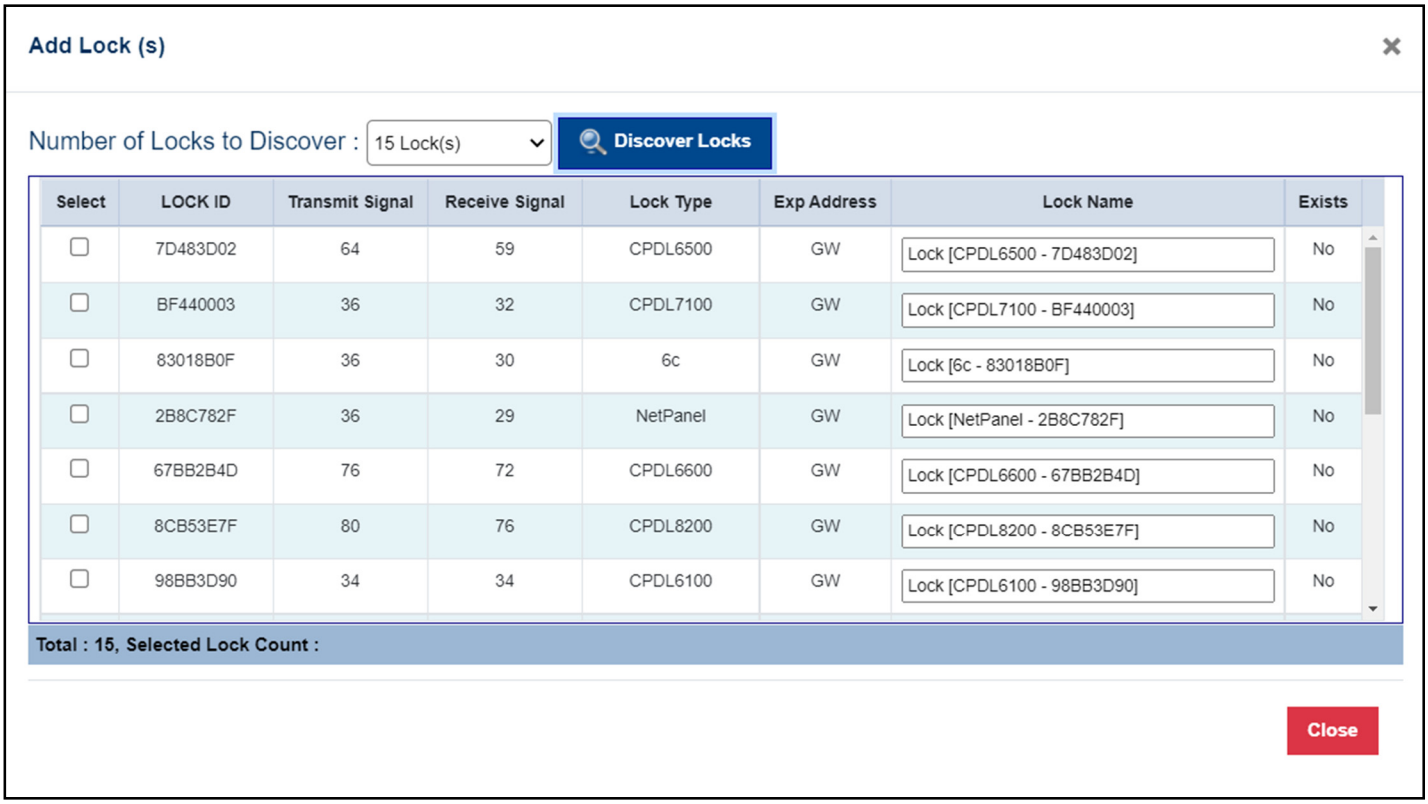
Note: After the Gateway displays in the list, verify the Gateway status displays **Connected (Yes)**.



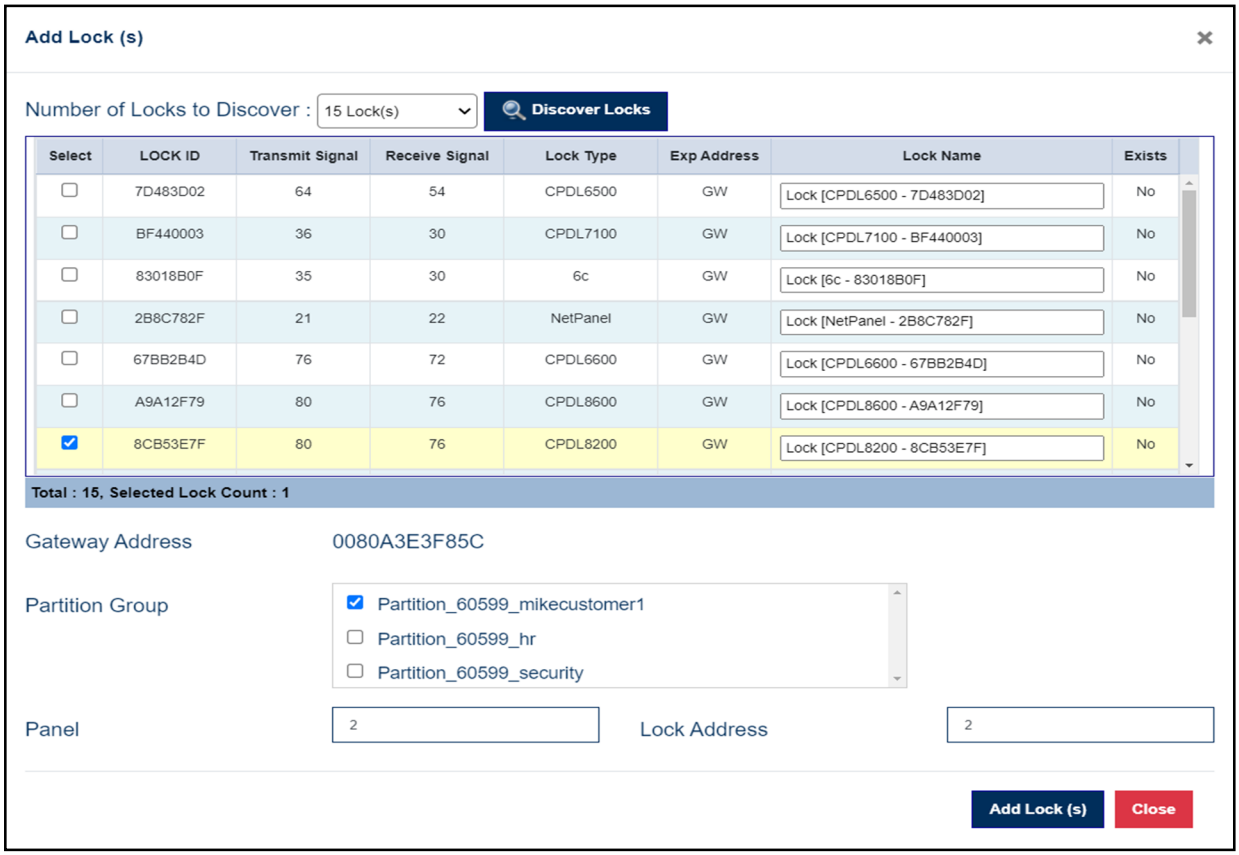
Step 3 (Lock/Panel Configuration)**.** After mounting the Locks and NetPanels, click **Step 3** to open the **WIRELESS CONFIGURATION** screen. On the top half of the screen, select the Gateway to which you will be assigning the Lock or NetPanel. On the bottom half of the screen, click **Discover Locks**.



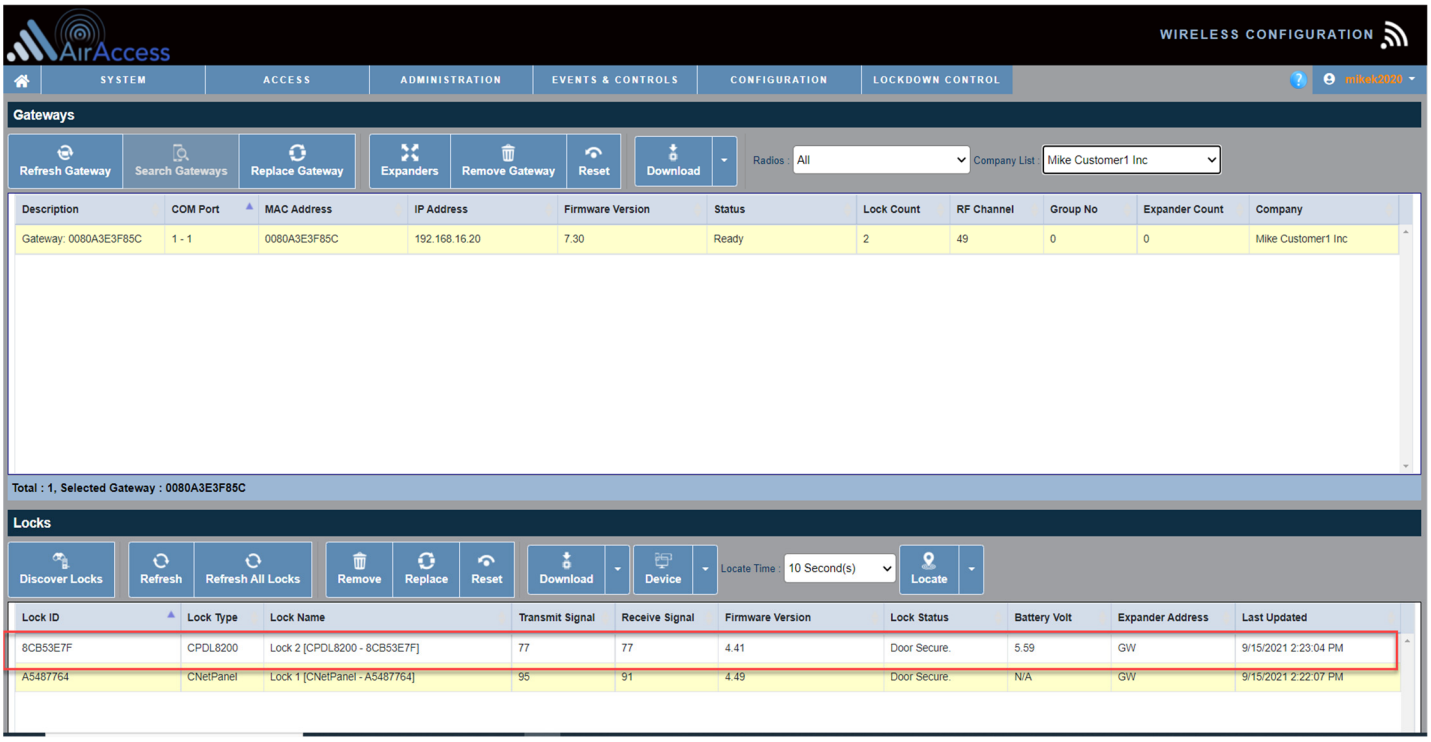
After clicking **Discover Locks** on the **Wireless Configuration** screen above, the **Add Lock(s)** screen will display. Select the **Number of Locks to Discover** and click **Discover Locks**.



After the Lock is discovered, it will display in the list. Selecting the Lock in the list displays the Lock information. Review this Lock information; if correct, click **Add Lock(s)**.

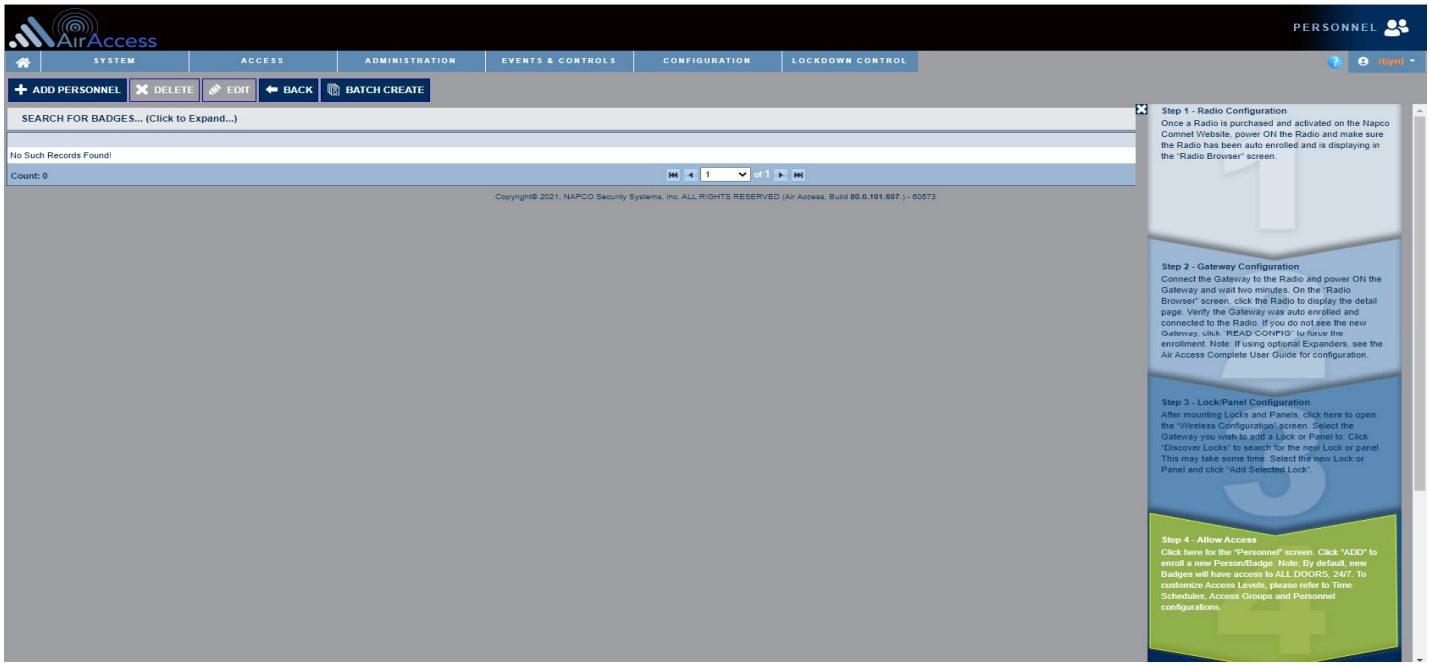


After adding the Lock or NetPanel and clicking **Close**, the added Lock will display on the bottom of the **WIRELESS CONFIGURATION** screen.

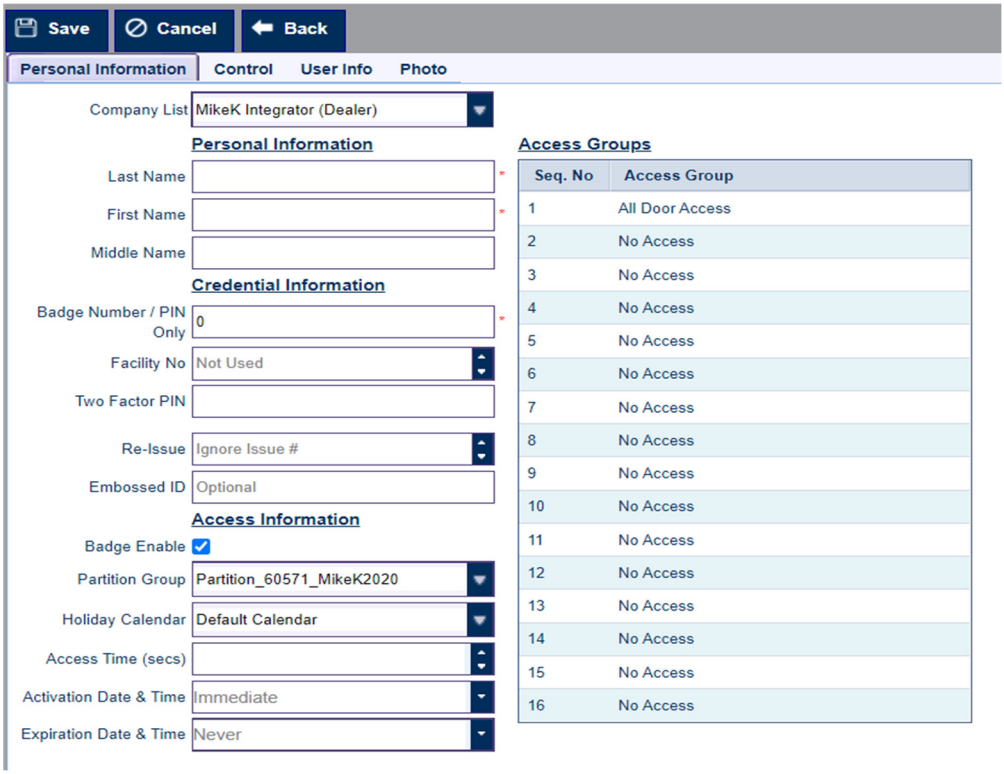


Click **Step 4** to display the **PERSONNEL** screen. This screen is used to add badges or Pin Only codes to the *Air Access Cloud Web Portal* system.

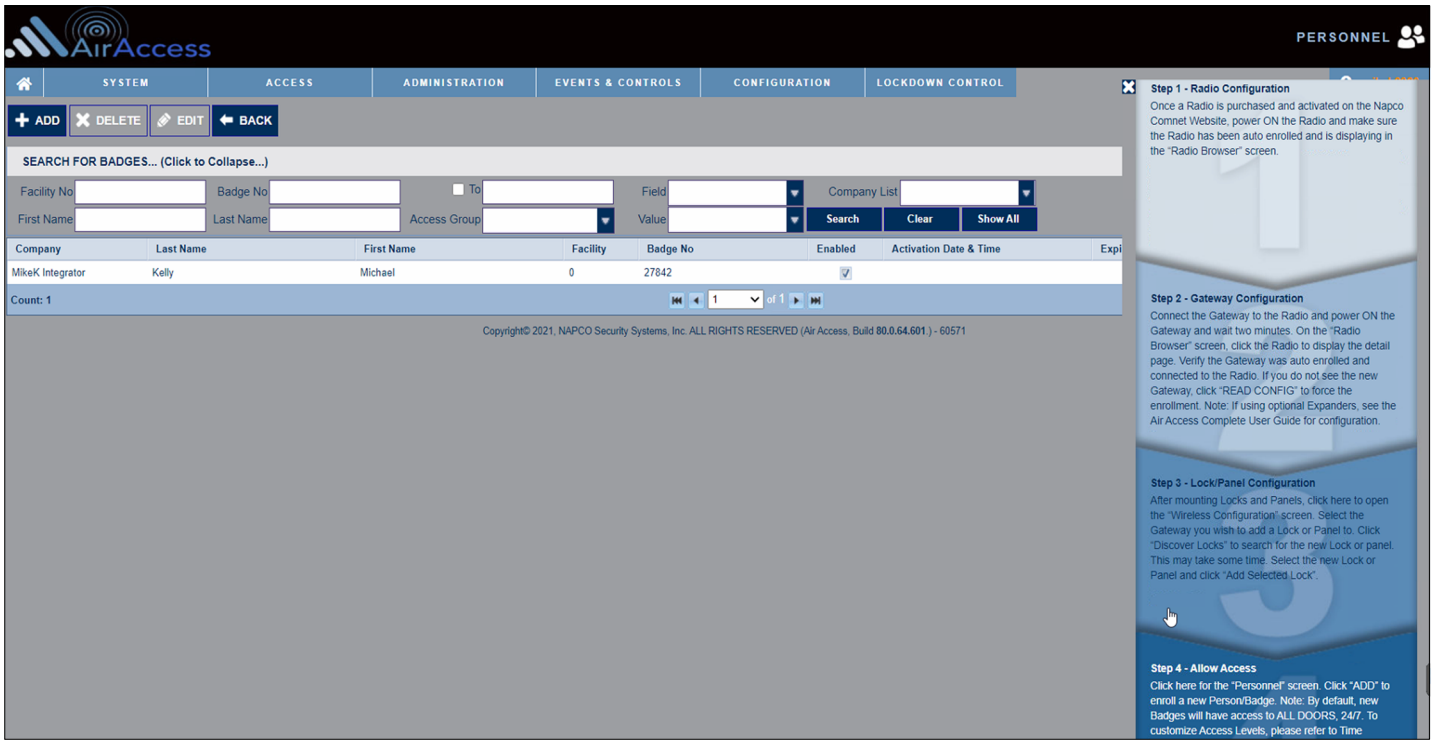
Note: By default, new badges or Pins added will have access to All Doors, 24 hours a day, 7 days a week. To customize access levels, please refer to **Administration>Schedule** and **Access>Access Group** menu selections. To add a badge, click **+ADD PERSONNEL**.



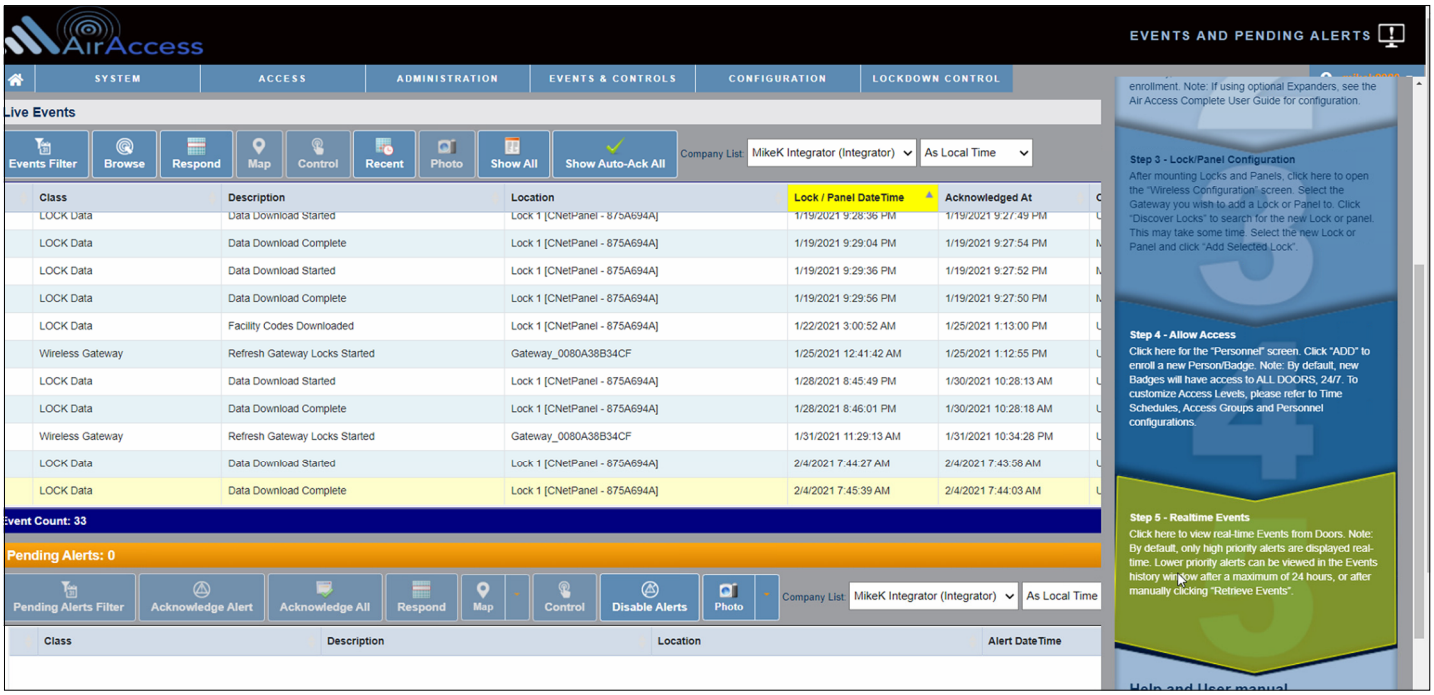
After clicking **+ADD PERSONNEL**, the **Personal Information** screen will display (shown below). Enter **Last Name**, **First Name** and **Badge Number/Pin Only**. To use **Pin Only**, you must enable the keypad and configure the FFFF mode with a 24X7 Common Code Schedule. By default, the **All Door Access** Group will be assigned to all badges and Pins. Click **Save**.



After clicking **Save**, the Badge or Pin Only will display in the **PERSONNEL** screen.

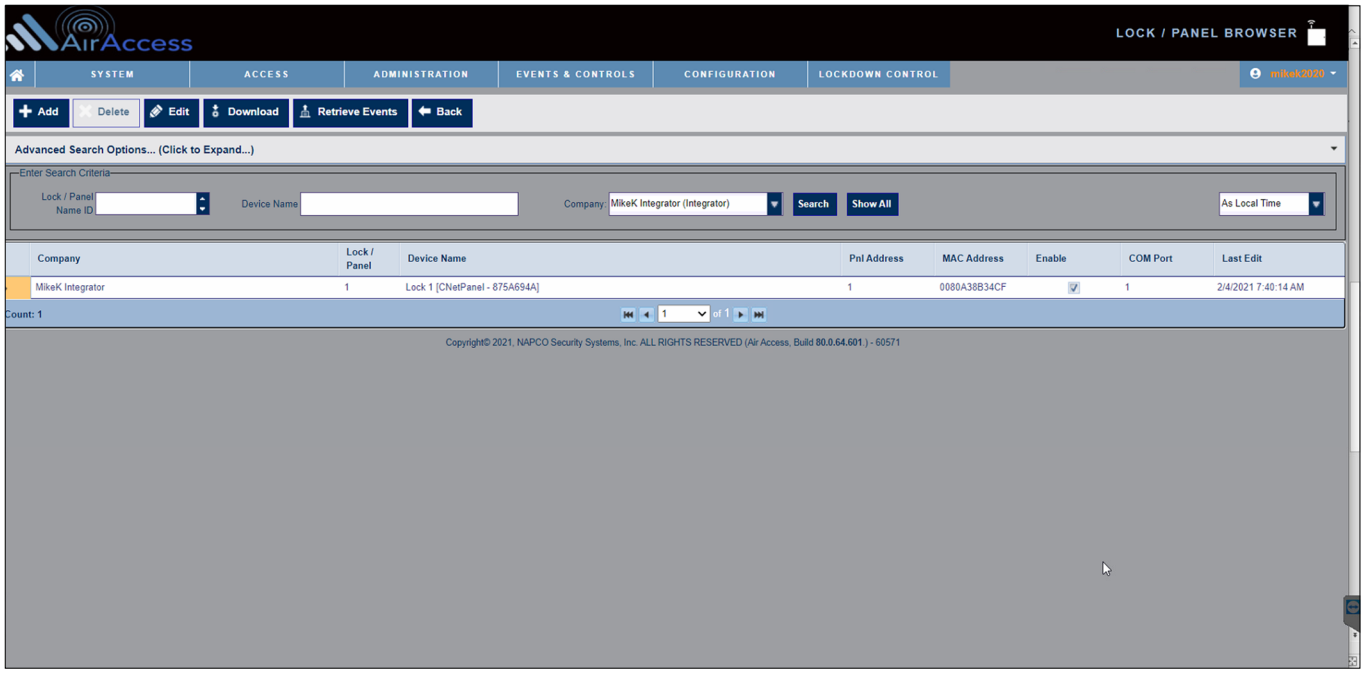


Click **Step 5** to display the **EVENTS AND PENDING ALERTS** screen.



The **Events and Pending Alerts** screen is divided into two sections. The top half of the screen is the **Events** window; the bottom half of the screen is the **Pending Alerts** window. All Events and Alerts have a priority number associated with them. High priority Events/Alerts have a lower number, and lower priority Events/Alerts will have a higher number. For example, a **Forced Door** alert is a high priority alert, and will have a low number. A **Badge Valid** event is considered a low priority event, and will have a higher number.

Very Important: By default, only high priority alerts such as a **Forced Door** and **Badge Violate Void**, will display real-time in the **Pending Alerts** window. Lower priority events can be viewed in the **Live Events** window after a maximum of 24 hours or after events are manually retrieved. To manually retrieve events, go to **Configuration** > **Locks/Panels.** Select the Lock you wish to retrieve the events, then click **Retrieve Events**.



After completing the 5-Steps in the configuration Wizard, the result will be a basic, configured and functional Air Access system. Test the system operation by swiping a badge or enter the Pin Only enrolled in Personnel to verify it is unlocking the door. **To use Pin Only, you must enable the keypad and configure the FFFF mode with a 24x7 Common Code schedule.** If any additional settings are required for Locks/Panels or Readers, you can configure them under the **Configuration** and **Administration** menus.

Note: Refer to the **Air Access Online Help** for additional detailed information. The Online Help can be accessed by clicking "**?**" on the top right corner of the Air Access screens.

AIR ACCESS APP

Download and Install the Free Air Access App

The Air Access App requires it be downloaded from the **Apple App Store** or the **Google Play Store**. In the App stores, search for "Air Access App" or "Napco Apps". Upon downloading and installing the Air Access app, an Air Access icon will display on the device. The Air Access app is a robust application that provides many functions, including the ability to Unlock/Lock doors, perform area lockdowns and activate Threat Levels. In addition, you can administer Personnel, display Status, send SMS notifications and generate a **Badge Holder In-list** for emergency evacuations.

VERY IMPORTANT: Upon downloading the Air Access app and installing it on an IOS device, you might be required to **VERIFY** the app under **Settings** > **General** > **Device Management**.

Configuring the Air Access Cloud Software

Prior to launching the Air Access app, you must perform the following programming steps in the *Air Access Cloud Web Portal* software. The Air Access App requires internet connection. The internet connection can be via wifi, mobile or through a hotspot.

- You **MUST** create an Air Access Operator for each mobile app user (go to **Administration** > **Operators**). Under each Operator, you must select a Privilege Role. It is recommended to use the **Administrator Privilege Role** for administrators and use the default **Mobile Privilege Role** (with basic permissions) for all basic mobile app users.

- For each Air Access Operator configured, you MUST create a badge in **PERSONNEL**. The first and last name of the badge holder MUST exactly match the first and last name of the Operator. The Operators first and last name can be found under **Operators** > **Personal**. The badge numbers assigned in **PERSONNEL** can be the users physical proximity card number or a randomly selected number.

- By default there should be an **All Doors** Access Group assigned to the badge in **PERSONNEL**. The Access Group assigned to the badge determines the doors the Mobile App user will see under the **My Doors** menu selection in the Air Access app.

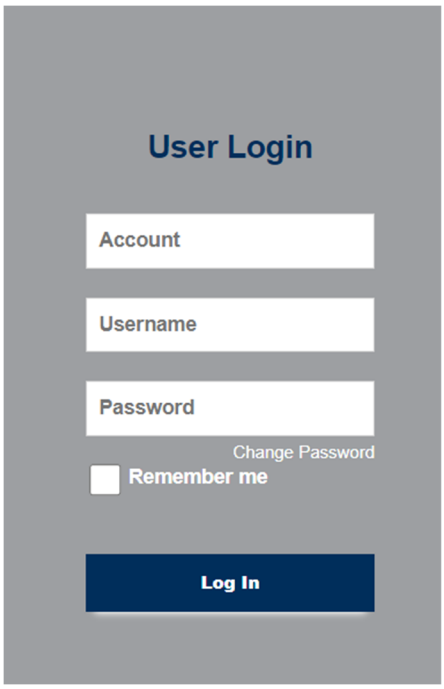
NOTES:

1) The Air Access Mobile App requires an internet connection via wifi, Mobile or a hotspot.

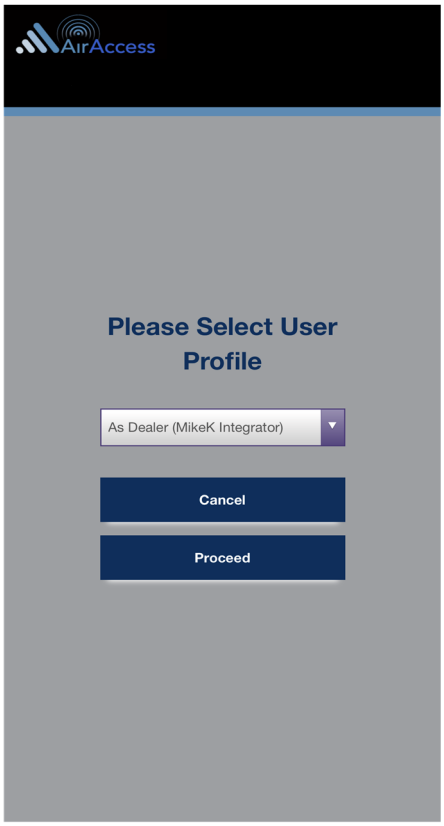
2) The Air Access Mobile App is not the same App as the Air Access iLock App. The Air Access iLock App is a Bluetooth app. Refer to the standalone document for the Air Access iLock programming steps.

Launch Air Access App

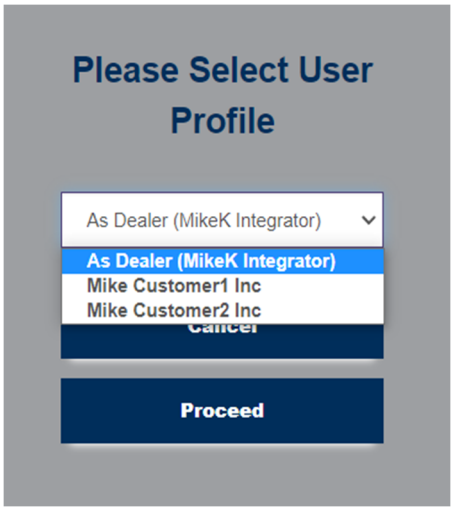
Launch the Air Access app on your device by tapping the Air Access icon. In the Air Access **User Log-in** screen, log in with your **Account** number, **Username** and **Password**.



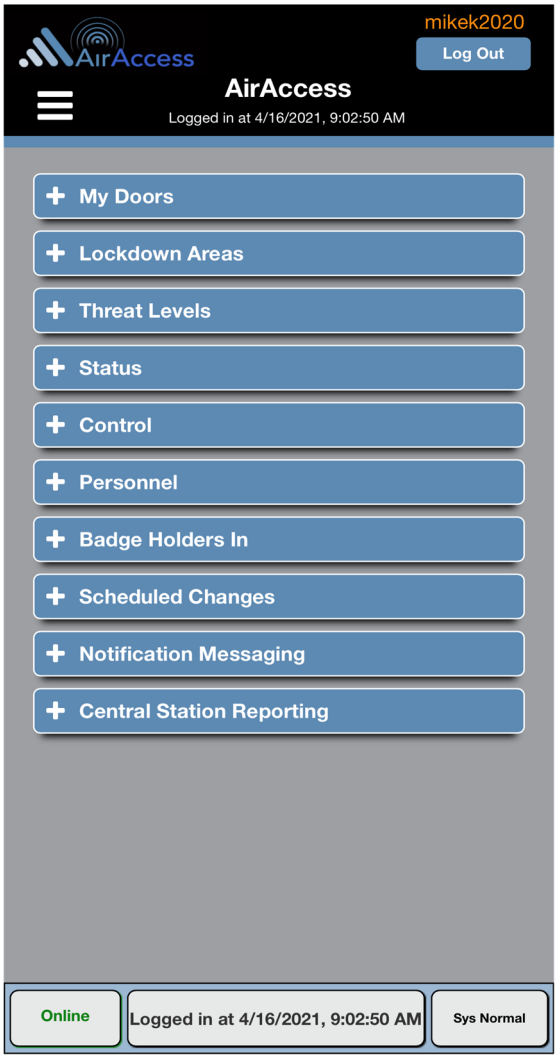
Upon clicking **Log In**, the **Please Select User Profile** screen displays.



Upon clicking the User Profile pull-down, all the customers will display. Select the **User Profile** (customer) you wish to view, and tap **Proceed**.



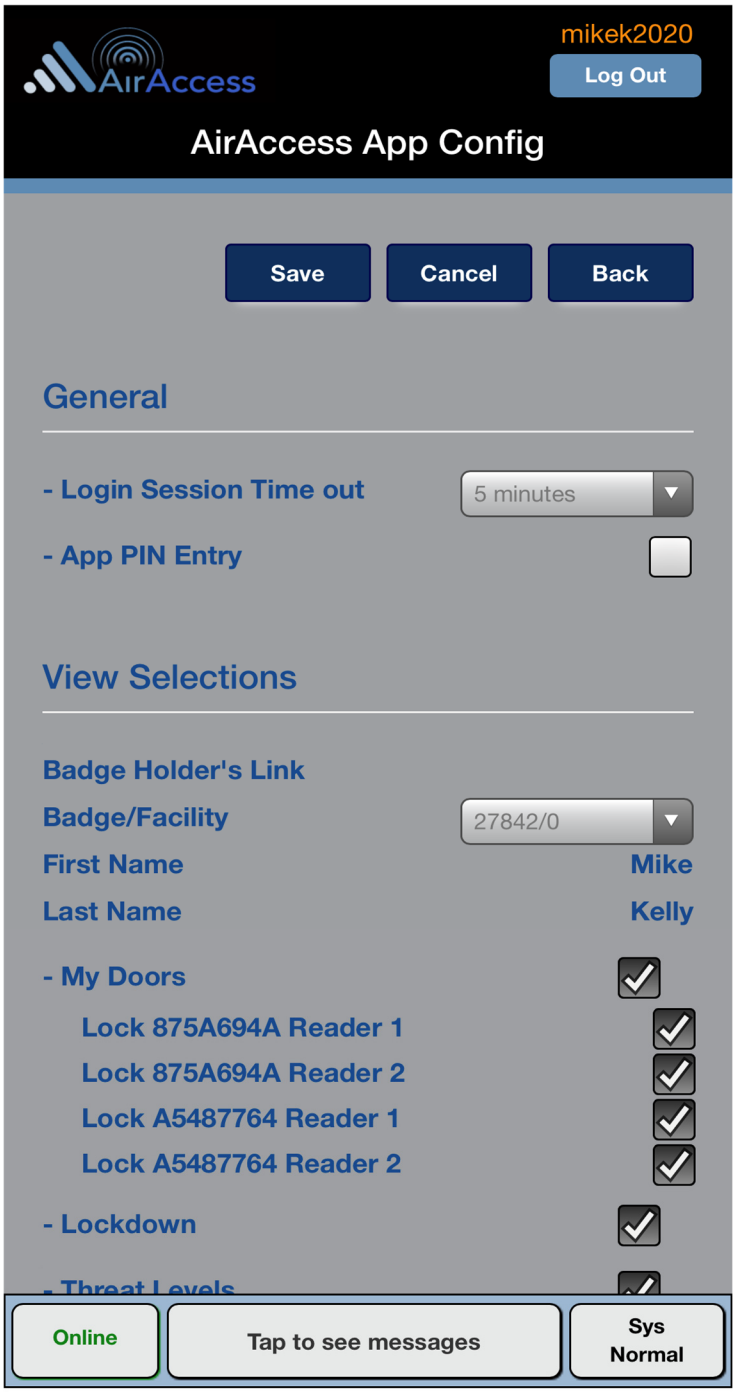
Upon selecting a User Profile, the Air Access main menu displays (shown below). Click the MORE icon (3 horizontal bars) to display the configuration screen. The settings in this screen are local to the device and must be configured on each device. Upon any configuration changes, you must click **SAVE**.



Upon clicking the 3 horizontal bars, the **AirAccess App Config** screen will display. The top half of the configuration screen has various settings including the **Badge Holder's Link** settings. Be sure to verify the **Badge Holder's Link** section is populated. If it is not, you MUST go back into the Air Access Cloud software and check your settings under **Operators** > **Personnel**.

Located below the **Badge Holder's Link** section is the **My Doors** section. You must select **My Doors** for it to display on the main menu. Under **My Doors**, all the doors you have permissions to unlock and lock will display. **Very Important**: You MUST select the Doors under **My Doors** you wish to display to allow unlocking and locking.

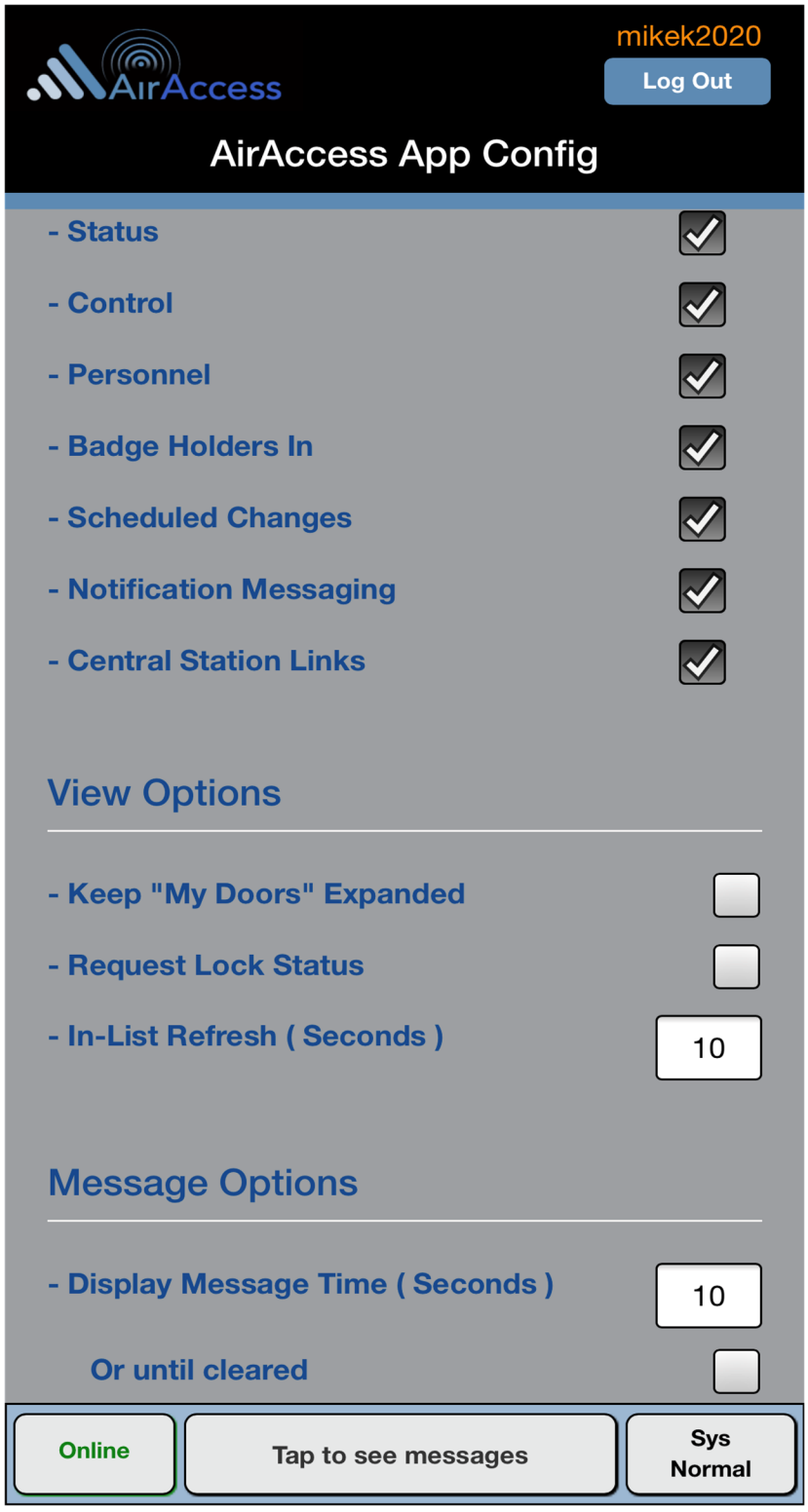
Very Important: There is a check box for each menu item that displays on the main menu. The first is **My Doors**. The remainder of menu items are located on the lower half of the configuration screen. You must select these menu item selections if you want them to display in the main menu.



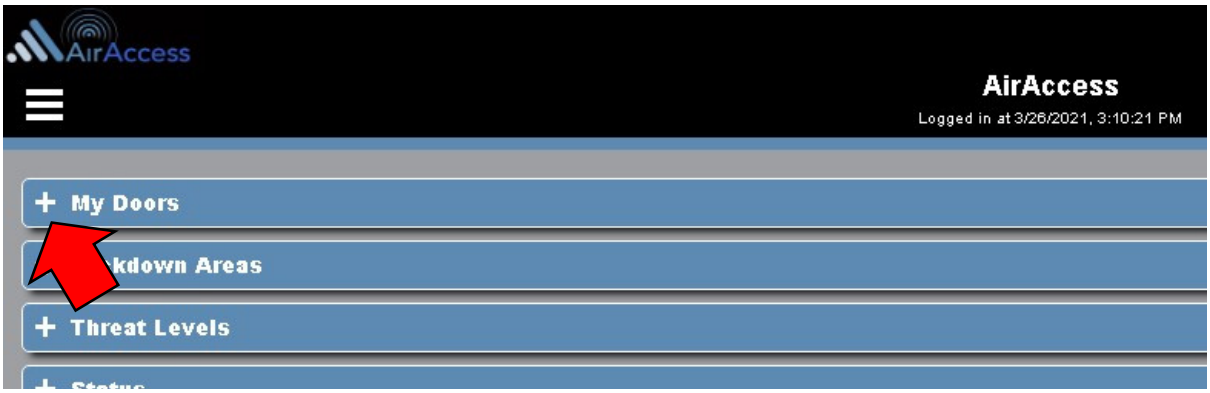
Very Important: *As mentioned on the previous page, you must select all the menu selections you wish to display on the main menu*.

Below the menu selections are various settings (**View Options** and **Message Options**). These settings are discussed in detail in the **Air Access Online Help**.

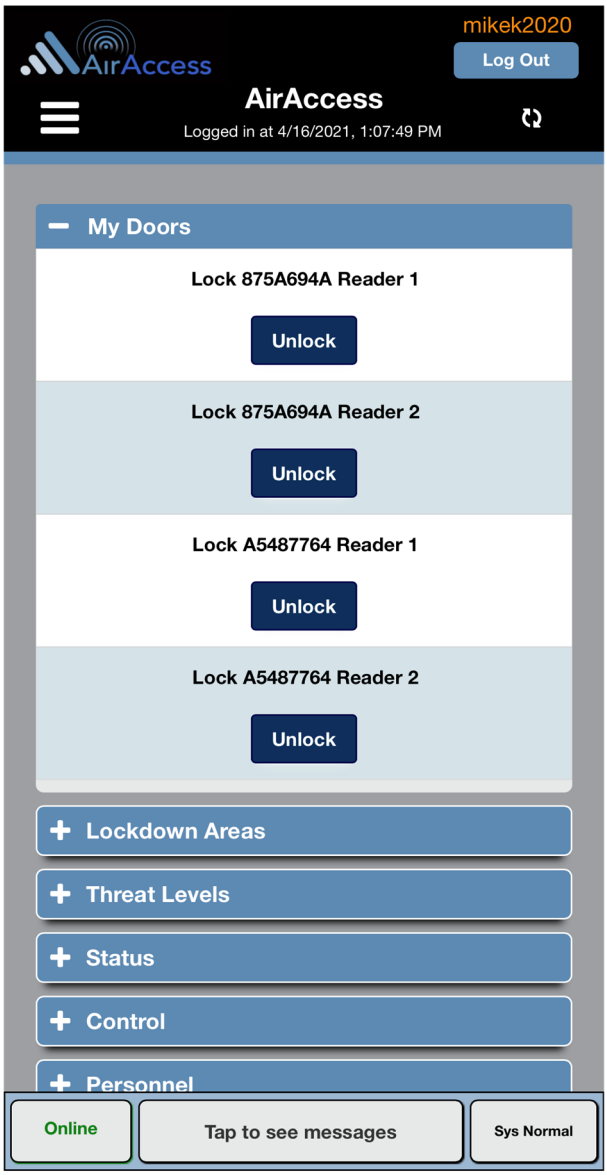
After configuring all the settings, you MUST tap **Save**.



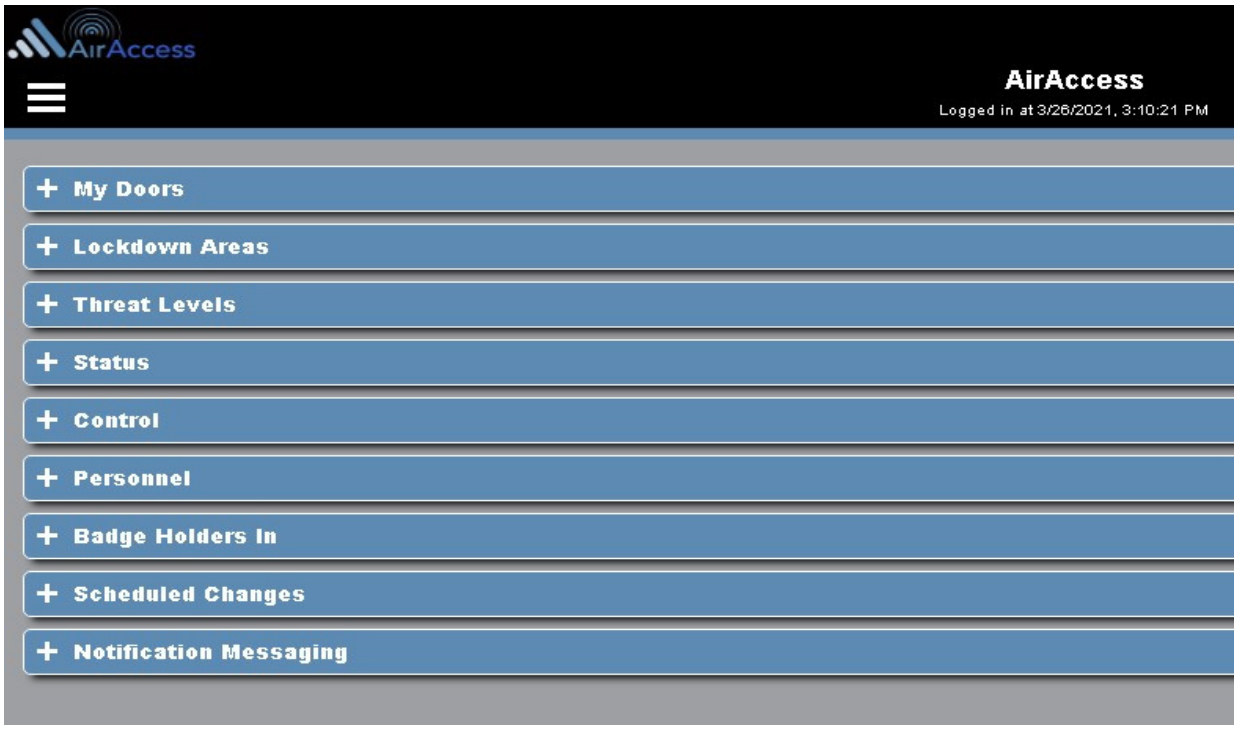
Upon exiting configuration, the Air Access app main menu will display. Click the **"+"** to expand **My Doors**.



Upon expanding **My Doors**, the doors you have permissions to unlock and lock will display. If the doors do not display, go back into **AirAccess App Config** > **View Selections** > **My Doors** and verify the doors are selected. Click **Unlock** to unlock a door. Upon clicking Unlock, verify you hear the door relay click and an alert displays in the *Air Access Cloud Web Portal* software.



The remainder of the main menu functions will be discussed in detail in the **Air Access Online Help**.



Air Access App Troubleshooting Tips

1. Issues installing the Air Access app in an **IOS device** might require that you **VERIFY** the app under **Settings** > **General** > **Device Management**.

2. If the app configuration settings are not saving correctly, you might be required to **clear cache** and **data** on your device. Refer to the device documentation for instructions.

3. In the app configuration settings, if the **Badge Holder's Link** section is blank, you must check the settings under **Operators**, **PERSONNEL** and **Access Groups** in the *Air Access Cloud Web Portal* software.

4. If **My Doors** are not displaying in the app configuration settings, verify the **Badge Holder's Link** is populated. If it is not, refer to the previous step.

5. If **My Doors** is displaying in configuration settings, but no doors are listed under it, verify the **Access Groups** in the *Air Access Cloud Web Portal* software are configured properly for the Mobile App Operator and the associated Badge Holder.

6. If **My Doors** is displaying on the main menu, but doors are missing upon expanding it, you must verify the doors are selected under **MY Doors** in the configuration settings.

GLOSSARY

ACCESS = Entry into a restricted area.

ASSIGN = Add to hardware or specify a relationship. Can be used with User Codes and locks ("to *assign* User Codes to specific locks"), or with hardware identification ("the factory *assigns* each lock a unique serial number"), or a fixed wireless communication channel between locks and a Gateway ("locks *assigned* to a Gateway").

AUDIT TRAIL = A record of Air Access actions (not keypad entries). Located in the File pull- down menu, Audit Trail actions include: **Logged At** (date/time); **Location** (Lock Profile name); **Action**; **Operator**; **Description**. The Audit Trail is primarily intended to track the identity of the person who logged into Air Access and the actions they performed; compare with the **EVENT LOG**.

CENTRAL STATION = Central Station monitoring facility (local, remote, primary or 3rd party) receives alarm & event reports from the Air Access System via cellular communications and can help dispatch police/fire response to protected premises as appropriate in an alarm or emergency event. Service is generally charged by dealer as a separate monthly incremental fee.

CLOCK = (REAL TIME CLOCK) = An accurate built-in clock that allows date/time stamping of events.

CODE = Numeric sequence of numbers (such as: 1234) entered at the keypad.

COM PORT = A computer serial communications port used to communicate with the Lock and/or Data Transfer Module.

COMMUNICATE = To send or receive a transmission. To avoid the directionally confusing terms of "download" and "upload", the word "communicate" is used in this guide.

CONFIGURE = To "assign" (add) discovered physical locks to a Gateway (by sending the "Lock Config Table" to the selected Gateway). Configuring ensures a fixed wireless communication channel exists between selected physical locks and a selected Gateway.

The **Gateway Configuration** screen allows you to select a Gateway and allow that Gateway to discover physical locks; these physical locks can then be assigned to that selected Gateway. When the **Use Selected Locks** button is clicked (in the "**DISCOVERED LOCKS**" **POPUP**), the Gateway sends "configuration data" to the selected locks. This "configuration data" contains items (such as an internal lock designation, a specific radio channel and security data) that are all embedded in what is called a "Lock Config Table". This "configuration data" instructs the physical lock(s) to communicate ONLY with that Gateway and prevents other Gateways from communicating with the physical lock(s).

In short, the Gateway tries to "configure" the selected physical locks by assigning the selected physical locks to the Gateway.

CREDENTIAL = A generic word used to indicate a PIN number pressed into a lock keypad, or a proximity card or proximity keyfob.

DATA DOWNLOAD = To send configuration data (Panels, Locks, Badges…) down to a Gateway, Expander or Locks.

DEALER = aka Dealer/Locksmith/Integrator installing the Air Access System for an end user/account.

DEFAULT = "Default" settings are the original settings that were set at the factory; in other words, it is the lock's original factory condition when the lock was first taken out of its box. The default settings are permanently encoded within the lock's fixed memory, and when the lock is first started, or when power is removed and re-applied, the original factory default settings are re-loaded and take effect.

DHCP (Dynamic Host Configuration Protocol) = Automatic assignment of IP addresses to devices that are connected to a network. It eliminates having to manually assign fixed IP addresses.

DISCOVER = To "discover" Gateways, the system searches for Gateways not yet added to an Account; to "discover" locks, the selected Gateway searches for locks not yet assigned to Gateways.

EXPANDER = Expanders extend the coverage area of Air Access Gateways, allowing control of up to its rated maximum of 63 Networx locks per Gateway. Used in place of additional Gateways, **AL-IME2-EXP** Expanders are useful when a Gateway does not provide sufficient signal strength to a particular area and therefore is unable to communicate with a wireless lock or group of wireless locks. Up to 7 Expanders can be added to one Air Access Gateway.

EVENTS = Recorded lock and panel activity.

FIRMWARE = The software programming that runs internally within the physical lock and Gateway circuitry, containing the instructions that these devices

GLOSSARY (Cont'd)

use to perform their various functions. Firmware can be updated, if necessary.

FIRMWARE DOWNLOAD = To send a Firmware file down to Gateway, Expander or Locks.

GATEWAY = Gateway device is used to transmit to the locks via an Alarm Lock proprietary radio connection

GTW Rx = Indicates the radio transmission strength, as measured between the Gateway to the physical lock.

IP ADDRESS = The IP (Internet Protocol) address is a unique address of a device (such as a computer or a Gateway) connected to a TCP/IP corporate Intranet. IP addresses are written as four groups of numbers separated by periods; these groups are called "octets". IP addresses can be permanent ("static") or dynamically assigned (by DHCP) when a device, such as a Gateway, is powered.

LOCATE =

- **With physical lock(s),** the Locate command causes the physical lock to "beep" and flash its LED (helpful when you wish to find the physical lock or confirm the lock's wireless connection is operational).
- **When used with a Gateway**, refers to rediscovering a "lost" Gateway device on the network. Used when an operational Gateway has lost its network connection, and appears highlighted red in the **Gateway Configuration** screen.

LOCK = A generic word used to indicate one of the many Alarm Lock locking devices that can be purchased, including devices such as the NetPanel (wireless control panel).

LCK Rx = Indicates the radio transmission strength, as measured between the physical lock to the Gateway. A **higher** number indicates **stronger** signal.

LOCK TYPE = Specifies the model of the Alarm Lock locking device, such as "PDL6100", "DL6100", "PL6100", N9000 or N9500.

LOCK CONFIG TABLE = When a Gateway is "discovered" and added to an Account, Air Access sends a **Lock Config Table** which contains the assigned (or unassigned) lock data stored in the Gateway memory. The table is a database structure that is designed to hold all physical lock data (serial numbers, etc.).

MULTI-LOCK GATEWAY = For use with up to 63 Alarm Lock Trilogy Networx Wireless or Designer Networx ArchiTech Wireless Prox/MultiTech Access Locks with Built in Readers.

PROGRAM MODE = A mode allowing program/data to be entered through the keypad. Only specific Users can program a lock manually, by entering their USER CODE, followed by the  key. To exit program mode, hold any key until repeated beeps are heard.

PROXIMITY CARDS = See **CREDENTIAL**.

RADIO - A Cellular Communicator on choice of AT&T or Verizon Nationwide Networks.

SCHEDULE = A programmed operation (enable / disable, lock / unlock, etc.) on a specific day (Sunday through Saturday) and time.

SERVICE LOG = Used by authorized personnel to troubleshoot Air Access issues. The Service Log records all data transfers and commands that are sent and received.

SUB-DEVICE = A device assigned to a parent device. An example would be a Gateway assigned to a Communicator. The Gateway is considered the sub-device.

SUBNET (SUBNET) = To improve security and processing performance, network administrators often divide their corporate Intranets into interconnected but separate segments called "subnets". Subnets also allow multiple users to access the Intranet with the same subnet address. A router is typically used to allow network traffic to pass between subnets.

SUBNET MASK = The IP protocol makes use of a Subnet Mask to more efficiently route packets to their correct network destinations. When a Gateway receives a data packet, the Subnet Mask indicates how many bits of the packet's destination address are to be used for routing and which bits are to be "masked" (ignored). The Subnet Mask can be thought of as a "filter" that allows the system to ignore unnecessary information, thus increasing efficiency. This information must be obtained from your network administrator.

TIME/DATE STAMP = A recorded date and time that an event occurred.

TYPE = See **LOCK TYPE**.

UPLOAD = See **COMMUNICATE**.

HELPFUL RESOURCES / URLs

www.AirAccess.com - The Air Access website.

www.AirAccess.Cloud - Ready-to-connect software for Air Access systems (included with Air Access kits).

www.NapcoComNet.com - Arrange for services per each account, and manage same 24/7 in a secure online environment.

Air Access App - Free Air Access app available for all smart devices and mobile operating systems, available on the *Apple App Store* or *Google Play*.

Sales

https://www.alarmlock.com/sales/

For more on Alarm Lock Components, ask your local Alarm Lock distributor or contact you local regional sales representative.

Technical Support / Documentation

https://tech.napcosecurity.com

Visit the Alarm Lock Technical Document Library or call 1-800-645-9445 x2 or

email: *techsupport@napcosecurity.com*.

Training

https://alarmlock.com/seminars - Free Air Access Sales Class & Technical Training Schedules.

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ALARM LOCK LIMITED WARRANTY

ALARM LOCK SYSTEMS, INC. (ALARM LOCK) warrants its products to be free from manufacturing defects in materials and workmanship for twenty four months following the date of manufacture. ALARM LOCK will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges, environmental wear and tear, normal maintenance expenses, or shipping and freight expenses required to return products to ALARM LOCK. Additionally, this warranty shall not cover scratches, abrasions or deterioration due to the use of paints, solvents or other chemicals.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, THIS WARRANTY IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF ALARM LOCK.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period.

IN NO CASE SHALL ALARM LOCK BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

In case of defect, contact the security professional who installed and maintains your security system. In order to exercise the warranty, the product must be returned by the security professional, shipping costs prepaid and insured to ALARM LOCK. After repair or replacement, ALARM LOCK assumes the cost of returning products under warranty. ALARM LOCK shall have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. ALARM LOCK will not be responsible for any dismantling, reassembly or reinstallation charges, environmental wear and tear, normal maintenance expenses, or shipping and freight expenses required to return products to ALARM LOCK. Additionally, this warranty shall not cover scratches, abrasions or deterioration due to the use of paints, solvents or other chemicals.

This warranty contains the entire warranty. It is the sole warranty and any prior agreements or representations, whether oral or written, are either merged herein or are expressly cancelled. ALARM LOCK neither assumes, nor authorizes any other person purporting to act on its behalf to modify, to change, or to assume for it, any other warranty or liability concerning its products.

In no event shall ALARM LOCK be liable for an amount in excess of ALARM LOCK's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

ALARM LOCK RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. ALARM LOCK does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

ALARM LOCK is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to ALARM LOCK's original selling price of the product regardless of the cause of such loss or damage.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

RADIO AND TELEVISION INTERFERENCE

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 the 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.

This Class B digital apparatus complies with Canadian ICES-003. Changes and Modifications not expressly approved by Napco can void your authority to operate this equipment under Federal Communications Commissions rules.

AirAccess™
by Alarm Lock

ALARM LOCK

345 Bayview Avenue, Amityville, New York 11701
For Sales and Repairs 1-800-ALA-LOCK
For Technical Service 1-800-645-9440
or visit us at http://tech.napcosecurity.com/
(Note: Technical Service is for security professionals only)
Publicly traded on NASDAQ Symbol: NSSC