DETECTO®

MobileCare
medical carts

Electronic Medical Cart
Owner's Manual

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DISCLAIMER

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Contains FCC ID: 2AC7Z-ESP32WROVERE

1. This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

    (1) This device may not cause harmful interference.

    (2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. This equipment must be installed and operated with a minimum distance of 20 cm between the radiator and the user's body.

Serial Number _____

Date of Purchase _____

Purchased From _____

_____

_____
RETAIN THIS INFORMATION FOR FUTURE USE

PRECAUTIONS

Before using this product, read this manual and pay special attention to all "NOTIFICATION" symbols:

⚠ IMPORTANT   ⚡ ELECTRICAL WARNING

PROPER DISPOSAL

When this device reaches the end of its useful life, it must be properly disposed of. It must not be disposed of as unsorted municipal waste. Within the European Union, this device should be returned to the distributor from where it was purchased for proper disposal. This is in accordance with EU Directive 2002/96/EC. Within North America, the device should be disposed of in accordance with the local laws regarding the disposal of waste electrical and electronic equipment.

It is everyone's responsibility to help maintain the environment and to reduce the effects of hazardous substances contained in electrical and electronic equipment on human health. Please do your part by making certain that this device is properly disposed of. The symbol shown to the right indicates that this device must not be disposed of in unsorted municipal waste programs.
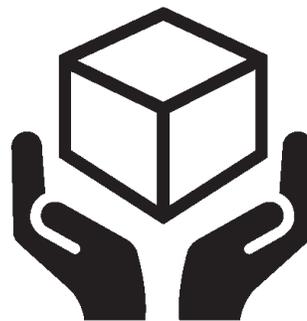
CAUTION

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

ATTENTION: RISQUE D'EXPLOSION SI LA BATTERIES EST REMPLACE'E PAR UN TYPE INCORRECT. REJETEZ LES BATTERIES UTILISE'ES SELON LES INSTRUCTIONS.
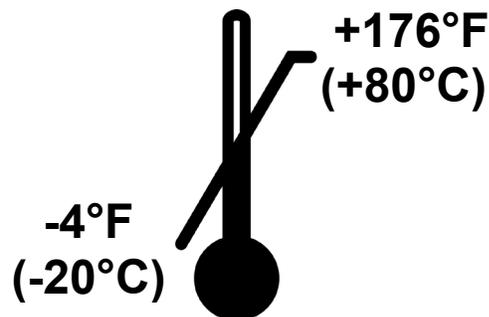
TRANSPORTATION AND STORAGE

Do Not Drop

Handle with Care

Keep Dry

+176°F (+80°C)

-4°F (-20°C)

Temperature Range

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INTRODUCTION

Thank you for purchasing DETECTO's innovative and highly customizable MobileCare medical cart. The MobileCare line of medical carts offers the most advanced security-level features available in the medical cart market and has nearly unlimited configuration possibilities.

The MobileCare medical carts are manufactured using an aluminum seamless shell body, which is constructed without any exposed holes for flush clean lines and a more aesthetically pleasing appearance. They are available in 10 standard colors and unlimited Pantone and RAL color options. The countertop is a continuous one-piece ABS thermoplastic countertop with molded edges for optimal hygienic clean-up. Spacious soft-close drawers elegantly glide shut for added convenience, allowing the drawers to be closed without using any hands. Two soft-closing side extension trays are included as standard for additional workspace. The carts come standard with full wrap-around high-impact bumper trim, which extends beyond the handrails for complete protection. Handrails can be specified for all three sides, two, one, or none. The wheels are 5-in/12.7-cm diameter 1 or 2-wheel casters with features such as anti-static, total lock, and bead chain for static dissipation, which provide easy mobility for smooth transport and nimble maneuvering. Versatile corner extrusion mounting provides easy optional accessory attachment with customized locations. A full range of accessories is available, including IV poles, sharps container holders, defibrillator shelves, cardiac boards, oxygen tank holders, 12-bin organizers, catheter holders, waste bins, and many more.

The carts are made in the USA of American and foreign components and are TAA compliant.

This manual covers models equipped with an electronic lock that enhances security through either a touchscreen PIN (password) or an RFID card if the cart is equipped with an RFID reader. Users can unlock the cart by entering a 6-digit PIN (password) or by scanning an RFID card on a cart with an RFID reader. Additionally, a key lock is included as a manual override, allowing access if the cart loses AC power or the batteries fail.

16.5-inch, 6-drawer, RFID Models Shown

23-inch, 5-drawer, RFID Models Shown

29-inch, 6-drawer, RFID Models Shown

SPECIFICATIONS

Construction:	
Cart Body:	Aluminum - Cart top, bottom, sidewalls, drawer fronts, slides, corner extrusions, and 2 work trays
Countertop:	One-piece ABS thermoplastic with molded edges
Bumpers:	Wrap around high-impact ABS thermoplastic
Available Color Finish:	10 standard colors and all possible Pantone and RAL colors are optional
Handrails:	0 to 3 (None, Back Only, Both Sides, Back and Both Sides)
Wheel Diameter, Type:	5 in (12.7 cm), anti-static 1-wheel casters; two locking casters and two non-locking casters (2-wheel casters are optional)
Lock Types Available:	• Electronic, Standard Lock • Electronic, Standard Lock with Individual Drawer Sensors • Electronic, Individual Drawer Lock with Individual Drawer Sensors
Display Type:	3.2 in (81.3 mm) diagonal, full-color TFT display, 320 x 240 resolution
Touch Screen:	Resistive touch panel covering the display
Communication Interfaces:	Wi-Fi
Alarm Duration:	Continuous until Snooze is pressed or the battery is depleted
RFID Types:	• 125kHz ("LF" HID compatible and EM4001 cards) • 13.56 MHz ("HF" Proximity Cards, ISO/IEC 14443 A/B) • 13.56 MHz ("HF" Vicinity Cards and Tags, ISO/IEC 15693)
Power Requirements:	100 to 240V AC universal switching power supply or 12 "D" cell Alkaline, NiCad, or NiMH batteries (not included) *For optimal performance, 10,000 mAh rechargeable batteries are recommended.*
Battery Runtime*:	45 days with Alkaline batteries 30 days per charge on 10,000mAh NiMH batteries * Battery runtime based on 20 unlock/lock cycles per day and 5 minutes of active time per hour.
Battery Recharge Time:	40 hours to recharge fully depleted 10,000mAh batteries
Operating Environment:	Operating Temperature Range: 14 to 104 ºF (-10 to +40 ºC) Humidity: 0 to 90% non-condensing
Storage Environment:	Storage Temperature Range: -4 to 176 ºF (-20 to +80 ºC) Humidity: 0 to 95%

SPECIFICATIONS, CONT.

Overall Dimensions:	*(Height includes handrail, width, and depth is to the edge of bumpers*
16.5 in drawers	43.9 in H x 27.0 in W x 26.7 in D (111.5 cm H x 68.6 cm W x 67.8 cm D)
23 in drawers	43.9 in H x 33.5 in W x 26.7 in D (111.5 cm H x 85.1 cm W x 67.8 cm D)
29 in drawers	43.9 in H x 39.5 in W x 26.7 in D (111.5 cm H x 100.3 cm W x 67.8 cm D)
Box Dimensions:	
16.5 in drawers	27.0 in H x 16.5 in W x 18.0 in D (68.6 cm H x 41.9 cm W x 45.7 cm D)
23 in drawers	27.0 in H x 23.0 in W x 18.0 in D (68.6 cm H x 58.4 cm W x 45.7 cm D)
29 in drawers	27.0 in H x 29.0 in W x 18.0 in D (68.6 cm H x 73.7 cm W x 45.7 cm D)
Top Work Surface Dimensions:	
16.5 in drawers	20.6 in W x in 19.0 D (52.3 cm W x 48.2 cm D)
23 in drawers	27.1 in W x in 19.0 D (68.8 cm W x 48.2 cm D)
29 in drawers	33.1 in W x in 19.0 D (84.1 cm W x 48.2 cm D)

Drawer Configuration:
  (Drawer Height)
	3 in, 6 in, 9 in, 12 in
	    (7.6 cm, 15.2 cm, 22.9 cm, 30.5 cm)

Drawer Internal Dimensions: (Width x Depth)	
16.5 in drawers	16.4 in W x 17.9 in D (41.7 cm W x 45.5 cm D)
23 in drawers	22.9 in W x 17.9 in D (58.2 cm W x 45.5 cm D)
29 in drawers	28.9 in W x 17.9 in D (73.4 cm W x 45.5 cm D)
(Height)	
3 in drawers	2.6 in (6.6 cm)
6 in drawers	5.6 in (14.2 cm)
9 in drawers	8.6 in (21.8 cm)
12 in drawers	11.6 in (29.5 cm)
Drawer Weight Capacity:	3 in, 6 in, 9 in (7.6 cm, 15.2 cm, 22.9 cm) = 50 lb (22 kg), 12 in (30.5 cm) = 100 lb (45 kg)

SPECIFICATIONS, CONT.

PC Software Requirements:	Windows 10 or greater, Windows Server 2016 or greater, and SQL Express
PC Hardware Requirements:	(SQL Express requirements)
Hard Disk:	A minimum of 6 GB of available space
Memory:	4 GB Recommended
Processor:	2.0 GHz or faster recommended
Monitor:	Super-VGA (800x600) or higher resolution monitor
Internet:	For Internet functionality (fees may apply)
Cart Users Available:	5,000
Net Weight:	
16.5 in drawers	148 lb (67.1 kg)
23 in drawers	163 lb (73.9 kg)
29 in drawers	188 lb (85.3 kg)
Shipping Weight:	
16.5 in drawers	203 lb (92.1 kg)
23 in drawers	218 lb (98.9 kg)
29 in drawers	243 lb (110.2 kg)
Country of Origin:	USA

FEATURES

- Most advanced security level features in the medical cart market

- Authentication with pin code, touchscreen entry, or RFID

- Three different RFID types are available

- Cart unlocking with one lock and individual drawer sensors, individual drawer locks, and individual drawer sensors, or simply one lock

- Detailed audit employee tracking to mitigate narcotics theft

- Tracking to check the accountability of the individual drawer inventory

- Nearly unlimited configuration possibilities are available

- Audible alerts (alarms with timing settings) and e-mail/text notifications

- Aluminum cart body, high-impact plastic bumpers, and ABS countertop

- Seamless aluminum shell body without any exposed holes for flush clean lines and a more aesthetically pleasing appearance

- Standard full-wrap-around high-impact bumper trim

- ABS thermoplastic countertop with molded edges that is all one continuous piece for optimal hygienic clean-up

- A wrap-around handrail (3-sided, 2-sided, 1-sided, or none)

- Two soft-closing side extension trays are included standard for additional counter space

- Spacious soft-close drawers elegantly glide shut for convenience

- Versatile corner extrusion mounting for easy optional accessory attachment with customized locations

- Full range of accessories available: IV pole, sharps container holder, defibrillator shelf, cardiac board, oxygen tank holder, 12-bin organizer, catheter holder, waste bin, and many more

- Proprietary onboard and PC software developed by DETECTO

- Full-color touchscreen LCD with self-prompting graphical menus

- User setup at the cart or within Windows software

- Up to 5,000 users are available

- Included PC software allows you to print, download, and export detailed history reports (holds up to 50,000 records)

- One centralized point via the included PC software for all your employee access and updates to individual users, carts, buildings, and departments

- Cart user admin through powerful PC software updated via secure Wi-Fi

- Made in USA (of American and foreign components): TAA-compliant

UNPACKING INSTRUCTIONS

Remove the medical cart from its packing and inspect it for signs of shipping damage, such as exterior dents and scratches. *Keep and use the original packing material for return shipment if it should become necessary*. Note that it is the responsibility of the purchaser to file all claims for any damage or loss incurred during transit.

12-bin organizer with Accessory Bridge

Side Handrail

Power Button

Side Handrail

3.2 in (81.3 mm) Full color TFT Display

RFID Card Badge Reader

Keyed Lock

Waste Bin

Catheter Holder

Wrap Around High-Impact ABS Bumper

Wrap Around High-Impact ABS Bumper

5 in (13 cm) Caster Wheel with Lock

5 in (13 cm) Caster Wheel
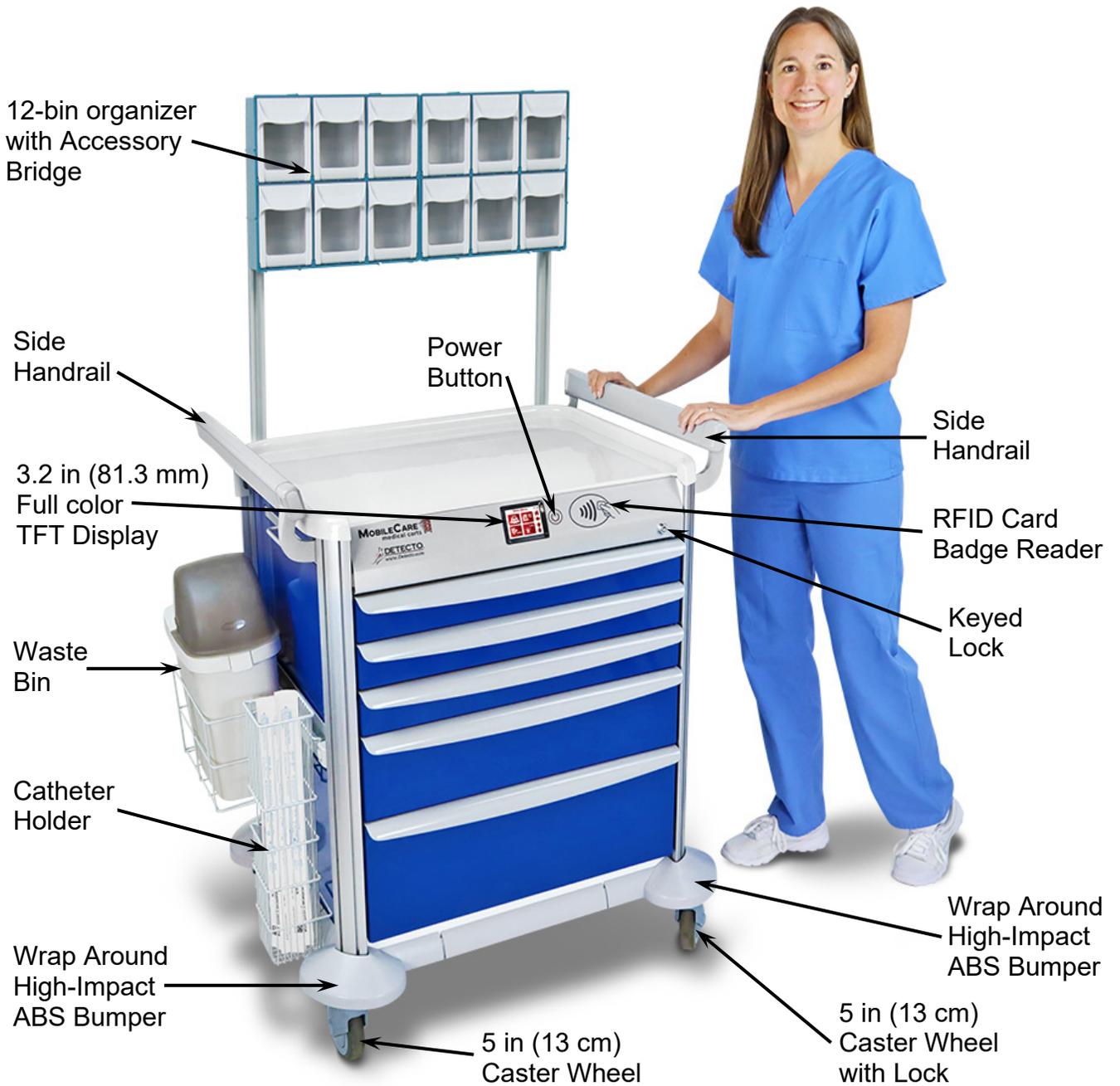
Note that the above cart is shown with the optional side handrails installed. It also has the following optional accessories installed: 12-Bin Organizer, Waste Bin, and Catheter Holder.

TOUCHSCREEN FUNCTIONS

SETUP

This is the **SETUP** button. It is shown on the **Admin Main Menu** screen. Pressing it will change the display to show the **Main Menu** screen.

LOCK

This is the **LOCK** button. It is shown on the **Admin Main Menu** screen after logging into the cart. Pressing it will momentarily show **Cart Locking** on the display, lock the cart drawers (a clicking sound will be heard indicating the locks of the drawers are latching), and change the display to show the login **Enter PIN/Scan RFID** screen.

HOME

This is the **HOME** button. It is shown on numerous screens. Pressing it will return the display to the **Admin Main Menu** screen.

Up Arrow

This is the **Up Arrow** button. It is shown on numerous screens. On some screens, pressing it will change the display to the previous screen. If there is no previous screen, pressing the ⬆ button will be ignored. Note that on some screens (without a previous screen), pressing the ⬆ button will change the display to the next screen instead. For example, on the **Main Menu** screen, pressing the ⬆ button will advance the display to the second **Main Menu** screen with buttons to select SERVER, NETWORK, and CALIBRATION.

Down Arrow

This is the **Down Arrow** button. It is shown on numerous screens. Pressing it will change the display to the next screen, such as showing the next four audit trail events, additional system settings, or additional settings for creating or managing users.

Left Arrow

This is the **Left Arrow** button. It is shown on numerous screens. Pressing it will return the display to the previous screen. For example, pressing it on the **Search Results** or **User Name** screens will return to the display of the **Manage Users** screen.

CANCEL

This is the **CANCEL** button. It is shown on data input screens, such as when entering the first name when creating a new user. Pressing it will cancel any characters entered for the first name and return the display to the **Create User** screen, allowing you to start over by entering the new user's first name.

ACCEPT

This is the **ACCEPT** button. It is shown on data input screens, such as when entering the first name when creating a new user. Pressing it will accept any characters entered for the first name and return the display to the **Create User** screen to proceed with the next setting. *Note that this button is similar to the Enter key on a PC keyboard*.

TOUCHSCREEN FUNCTIONS, CONT.

Green Check

This indicates the item on the screen has been selected. For example, when creating a new user (or managing a user), after selecting a drawer for the user to access, the white circle next to the drawer name will have a Green Check in it. Note that unselected drawers will have a blank white circle.

White Circle

This indicates the item on the screen has not been selected. For example, when creating a new user (or managing a user) and selecting drawer access for the user, all unselected drawers will have a blank white circle.

USERS

This is the **USERS** button. It is shown on the **Main Menu** screen. Pressing it will change the display to show the **Users** screen with selections for creating a new user (**Create New User**) or for managing existing users (**Manage Users**).

AUDIT TRAIL

This is the **AUDIT TRAIL** button. It is shown on the **Main Menu** screen. Pressing it will change the display to show a list of events (by date and time) occurring on the cart. Detailed information about the event is available by pressing the event on the touchscreen. Refer to the AUDIT TRAIL section of this manual for detailed information.

SYSTEM

This is the **SYSTEM** button. It is shown on the **Main Menu** screen. Pressing it will change the display to show a list of system functions, such as showing the number of drawers the cart has, configuring how many drawers have locks, sensors, and alarms, and numerous other system functions. Refer to the SYSTEM SETUP section of this manual for detailed information.

ALARMS

This is the **ALARMS** button. It is shown on the **Main Menu** screen. Pressing it will change the display to show a list of alarm settings such as the alarm volume, silence timeout, open drawer alarm time, and mute silence timeout. Refer to the PROGRAMMING ALARMS section of this manual for detailed information.

TOUCHSCREEN FUNCTIONS, CONT.

SERVER

This is the **SERVER** button. It is shown on the second **Main Menu** screen after pressing the Down Arrow button on the first **Main Menu** screen. Pressing it will change the display to show a list of server functions such as the API URL and Password, the Sync Status, the last time the cart was synchronized with the server, the server connect interval, and the MAC address of the cart. Refer to the SERVER SETUP section of this manual for detailed information.

NETWORK

This is the **NETWORK** button. It is shown on the second **Main Menu** screen after pressing the Down Arrow button on the first **Main Menu** screen. Pressing it will change the display to show the network credentials, such as the Wi-Fi network name (SSID), the Wi-Fi password, the IP Assignment (IP address assigned by a DHCP server or a static IP address), the IP Address, the Subnet Mask, and the Gateway address. Refer to the NETWORK SETUP section of this manual for detailed information.

CALIBRATION

This is the **CALIBRATION** button. It is shown on the second **Main Menu** screen after pressing the Down Arrow button on the first **Main Menu** screen. Pressing it will change the display to show the touchscreen calibration screen. Refer to the SCREEN CALIBRATION section of this manual for instructions to calibrate the touchscreen.

DISPLAY ANNUNCIATORS

Completed

When entering data on input screens, such as entering the password or after selecting drawer access when creating a new user, this symbol will be shown next to the selection displayed to indicate that the selection has been completed.
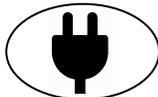
Battery Power

This display annunciator indicates the cart is powered by batteries (12 D-size Alkaline, NiCad, or NiMH) and is not connected to the 100 to 240V AC power source.

Battery Charging

This display annunciator indicates that the cart is powered by the 100 to 240V AC power source and is charging the batteries in the cart.

AC Power

This display annunciator is shown when the cart is not actively charging the batteries, even though the installed batteries are rechargeable.

Wi-Fi Excellent Signal

This display annunciator indicates the cart is connected to a Wi-Fi network with excellent signal strength, but is not connected to the server. Once connected to the server, this will not appear.

Wi-Fi Good Signal

This display annunciator indicates the cart is connected to a Wi-Fi network with good signal strength, but is not connected to the server. Once connected to the server, this will not appear.

Wi-Fi Weak Signal

This display annunciator indicates the cart is connected to a Wi-Fi network with weak signal strength, but is not connected to the server. Once connected to the server, this will not appear.

Wi-Fi Not Connected

This display annunciator indicates the cart is not connected to a Wi-Fi network.

DISPLAY ANNUNCIATORS, CONT.

Server Not Connected

This display annunciator shows when the cart is attempting to connect to the server. After the cart connects to Wi-Fi, it will replace the Wi-Fi indicator with this gray icon while trying to connect to the server.

Server Connected

This display annunciator shows when the cart is connected to the server. Once the cart connects to Wi-Fi and attempts to reach the server (indicated by a gray icon), the icon will turn black to confirm the connection is successful.

CART SETUP

Initial Setup with AC Power

1. To power the MobileCare medical cart using AC power, plug the power cord from the cart into the proper electrical outlet.

2. The display on the cart will turn on and show MobileCare (white lettering on a black background) in the center of the screen for several seconds.

3. Next, the display will change to show Cart Locking, and a clicking sound will be heard indicating the drawer locks are latching.

    NOTE: If the drawers were locked when the cart was previously unplugged, you will not hear the drawer locks latching when the AC power cord is plugged in.

MobileCare	**Cart Locking**
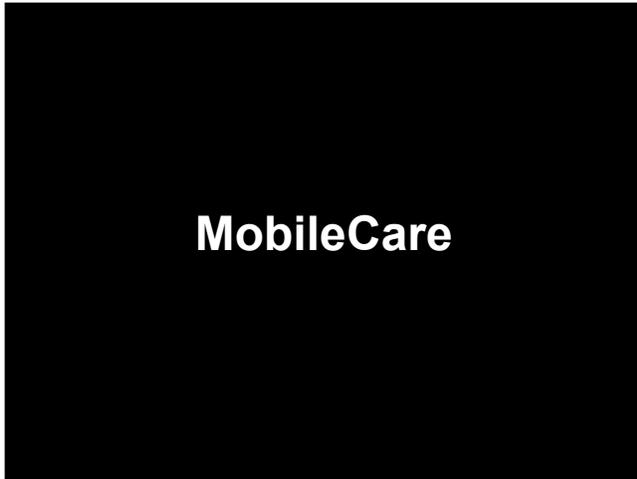
4. If the screen is turned off, press ⏻ (the power button) to turn on the screen.

5. The cart display will turn on, showing the *initial startup* login, **Enter PIN/Scan RFID** screen.

6. Enter 9 9 9 9 9 9 (six 9's) on the keypad.

    NOTE: This code is only used when the cart is initially set up and will be replaced with your Setup Code created in the next section, **Change Admin PIN**.
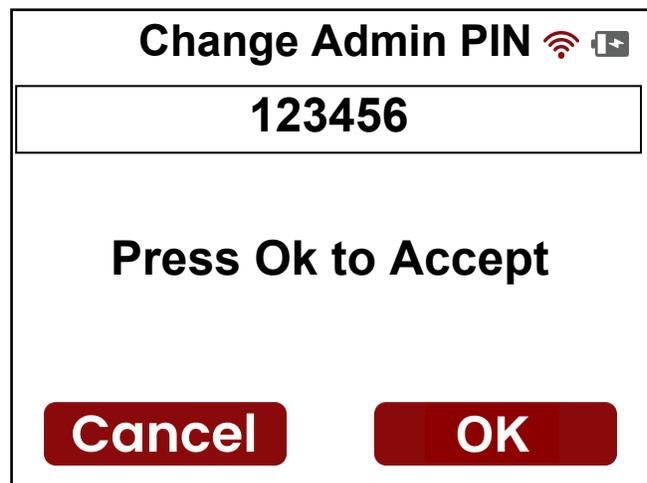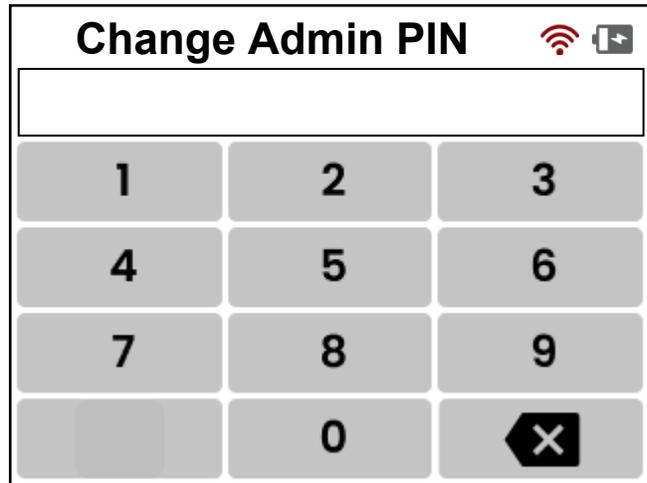
Enter PIN/Scan RFID 🛜		
1	2	3
4	5	6
7	8	9
	0	⌫
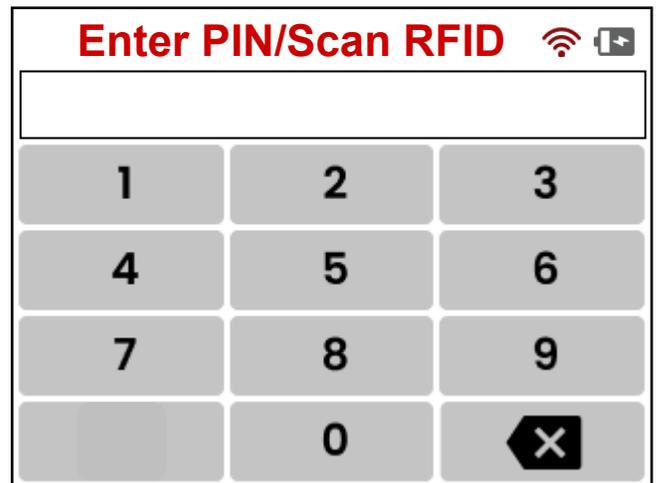
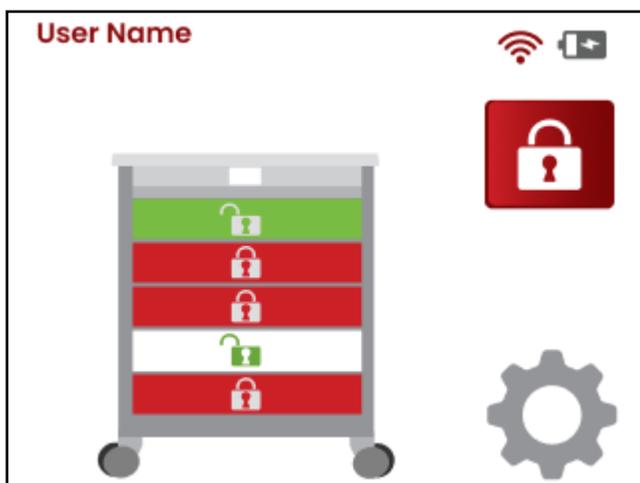# CART SETUP, CONT.

Initial Setup with AC Power, Cont.

(Change Admin PIN)

1. After entering 9 9 9 9 9 9 (six 9's) on the keypad, the display will change to show the **Change Admin PIN** screen.

2. With the **Change Admin PIN** screen displayed, enter a NEW six-digit code on the keypad to be used as your **Setup Code**. *This code should be kept secret and only used by the cart Administrator*.

3. After entering the new Admin PIN on the keypad, the display will change to show the screen to verify the Admin PIN entered.

4. Press the **OK** button to accept the code entered and proceed to step 6 to access the **Admin Main Menu**.

5. Otherwise, press the **Cancel** button to return to the **Enter PIN/Scan RFID** screen and enter the *initial startup* login 9 9 9 9 9 9 (six 9's) on the keypad again and then repeat steps 2 to 4.

6. The cart will unlock the drawers (a clicking sound will be heard indicating the drawer locks are unlatching), and the display will change to the **Admin Main Menu** screen.

Accessing the Main Menu

1. Press ⚙ (the **SETUP** button).

2. The display will change to show the **Main Menu** screen.

CART SETUP, CONT.

Battery Operation

The MobileCare Electronic Medical Cart operates on twelve D-size batteries. Alkaline, NiCad, or NiMH batteries may be used (*batteries not included*). For optimal performance, 10,000 mAh rechargeable batteries are recommended. The batteries must be obtained and installed before the cart can be placed into service.

- **Carts built before June 2025:** The batteries are housed in a side-mounted, slide-out battery tray that incorporates the same soft-close feature used on the cart drawers.

- **Carts built between June 2025 and November 2025:** The batteries are installed in a removable tray located on the lower back of the cart, behind a Battery Door secured with four (4) thumbscrews.

⚠️ **IMPORTANT!** The cart can be operated using twelve Alkaline, NiCad, or NiMH batteries. All twelve batteries must be of the same type. They must all be Alkaline, all NiCad, or all NiMH. **DO NOT** mix Alkaline and NiCad or NiMH batteries.

Battery Status

The cart will operate for up to 45 days with Alkaline batteries or 30 days per charge on 10,000mAh NiMH batteries. **NOTE:** Battery runtime is based on 20 unlock/lock cycles per day and 5 minutes of active time per hour. A battery bar graph on the upper right corner of the display indicates the battery capacity in 5 steps:

100% of capacity	75% of capacity	50% of capacity	25% of capacity	Replace or Recharge
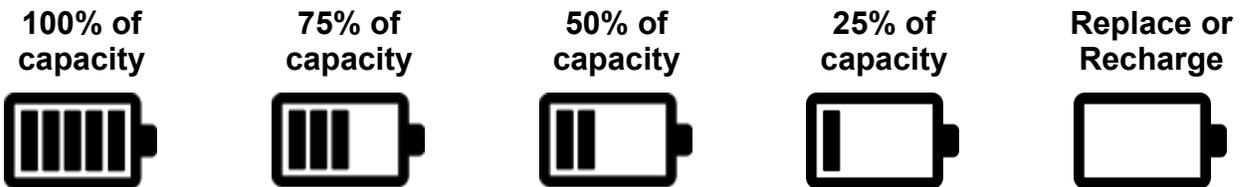
If the battery voltage drops to a level unsuitable for reliable operation (e.g., the cart powers up but fails to unlock the drawers correctly), the cart's display will show the blank battery annunciator, and it will shut off if the operation is continued. To restore functionality, replace the Alkaline batteries or, if utilizing NiCad or NiMH batteries, connect the AC power cord to a power outlet. This connection powers the cart and initiates battery recharging, enabling you to turn the cart back on.

Battery Charging

To recharge the NiCad or NiMH batteries, connect the AC power cord to a power outlet. Fully recharging depleted 10,000mAh batteries will take approximately 40 hours. It is important to note that charging the batteries for more than 40 hours will not cause damage to them.

NOTE: The cart may be operated while the batteries are charging.

Battery Charging

⚠️ When the batteries are being charged, the bar graph on the display will change to show the battery charging annunciator.

CART SETUP, CONT.

Battery Installation or Replacement

Side-Mounted, Slide-Out Battery Tray

To install or remove the batteries on **carts built before June 2025** that are equipped with the side-mounted, slide-out battery tray, follow the steps below:

1. Make sure the AC power cord is unplugged.

2. Referring to the image to the right and facing the cart, locate the handle for the slide-out battery holder on the left side of the cart.

3. Gently pull out on the handle until the battery holder stops, exposing both six (6) D-size battery holders.

4. If installing new batteries, proceed to step 6.

5. If replacing the batteries, remove all twelve batteries from both battery holders and then proceed to step 6.

6. Refer to the figure to the right and install twelve (12) D-size batteries, six (6) in each battery holder. Ensure each battery is oriented according to the polarity markings inside the battery holders.

Location of side-mounted, slide-out battery tray
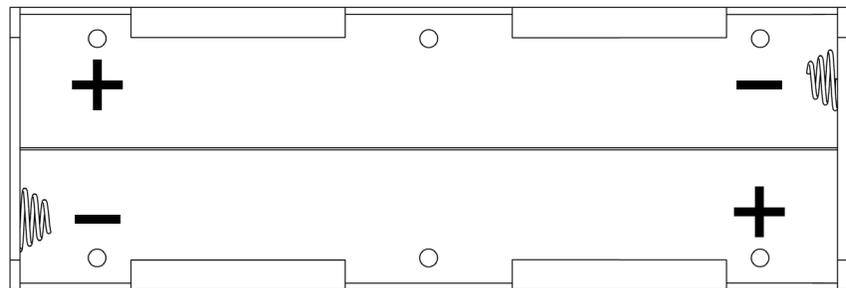
NOTE: The cart will automatically power on when the sixth battery is inserted into either battery holder. This is normal. Continue installing the remaining six (6) batteries in the second holder.

⚠ **IMPORTANT!** If the cart display fails to power on, inspect for any improperly positioned batteries that may be causing the issue.

7. After all twelve (12) batteries are installed, gently push the slide-out battery holder into the side of the cart until it is approximately two (2) inches from the side and release the battery holder. The soft close feature will then completely close the battery holder.

CART SETUP, CONT.

## Battery Installation or Replacement, Cont.

Removable Battery Tray on Lower Cart Back

To install or remove the batteries on **carts built between June 2025 and November 2025**, that are equipped with the removable tray located on the lower cart back, behind a battery door, follow the steps below:

1. Make sure the AC power cord is unplugged.

2. Locate the battery door on the lower cart back. Remove the four (4) thumbscrews securing the door to the cart, and remove the door to expose the removable battery tray.

Location of battery tray cover
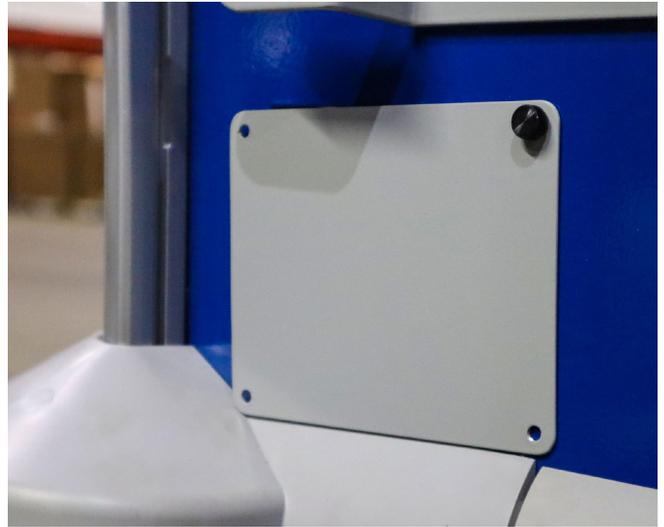
Remove the Four Thumbscrews

3. With the battery tray exposed, disconnect the battery cable from the battery tray.

4. Next, remove the thumbscrew securing the battery tray in the cart.
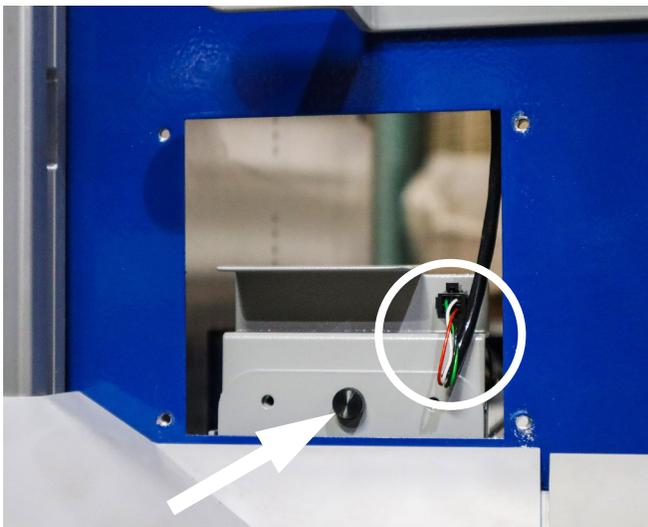
Location of thumbscrew securing battery tray to cart and battery cable

Disconnect battery cable and remove thumbscrew

CART SETUP, CONT.

Battery Installation or Replacement, Cont.

Removable Battery Tray on Lower Cart Back, Cont.

⚠️ **IMPORTANT!** To remove the battery tray from the cart, the bottom drawer of the cart must be opened slightly. This is necessary to lift the battery tray over the mounting tab on the battery tray dock in the cart.

5. Grasp the tab on the battery tray and lift it up so that the tray will clear the mounting tab on the battery tray dock.


Grasp the tab on the battery tray
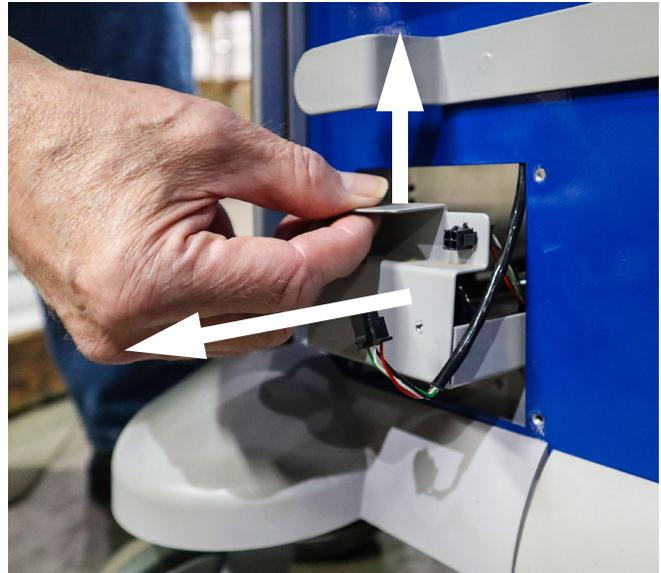
Lift up and then slide the battery tray out of the battery tray dock

6. Slide the battery tray completely out of the battery tray dock in the cart, exposing both six (6) D-size battery holders.

7. If installing new batteries, proceed to step 9.

8. If replacing the batteries, remove all twelve (12) batteries from both battery holders and then proceed to step 9.
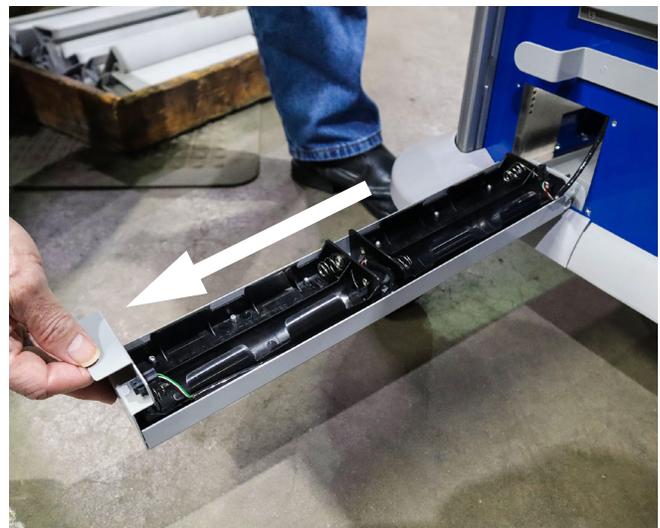
Completely slide the battery tray out of the cart to expose both battery holders.

CART SETUP, CONT.

Battery Installation or Replacement, Cont.

Removable Battery Tray on Lower Cart Back, Cont.

9. Refer to the figure below and install twelve (12) D-cell batteries, six (6) in each battery holder. Ensure each battery is oriented according to the polarity markings inside the holders.
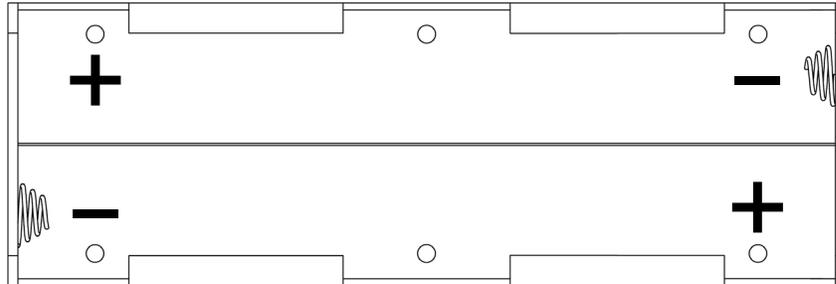
NOTE: The cart will automatically power on when the sixth battery is inserted into either battery holder. This is normal. Continue installing the remaining six (6) batteries in the second holder.

⚠️ **IMPORTANT!** If the display does not power on, verify that all batteries are properly seated and oriented correctly.

10. After all twelve batteries are installed, return the battery tray to the dock by sliding it into the cart, lifting the tray tab up and over the mounting tab, and then lowering it into the seated position.

11. Align the holes in the mounting tab and battery tray. Reinstall the previously removed thumbscrew and tighten securely to retain the tray.

12. With the battery tray installed, reconnect the battery cable to the battery tray.

13. Position the battery door on the lower cart back and reinstall the four (4) thumbscrews removed earlier to secure the door to the cart.
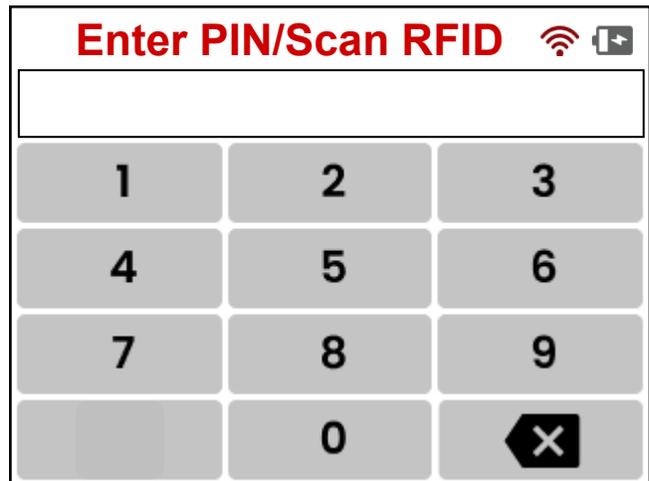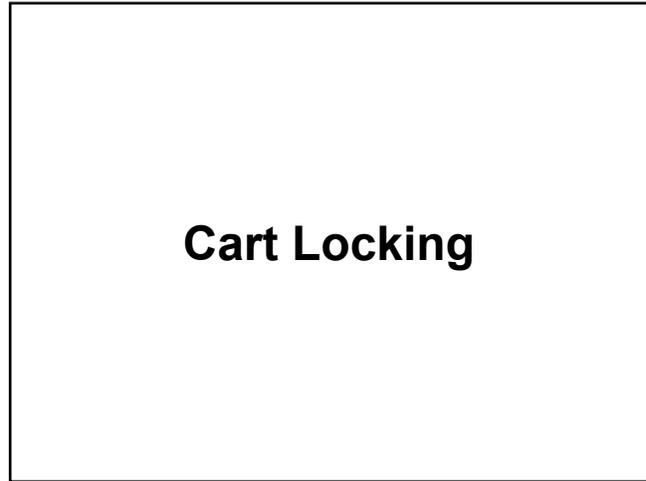
CART SETUP, CONT.

Initial Setup with Batteries

1. When the sixth battery is installed in either battery holder, the cart will automatically power on. The display will remain blank (black screen) for approximately one (1) second, then briefly show **"Cart Locking"** while an audible clicking sound is heard, indicating the drawer locks are engaging. After the locking sequence is complete, the display will power off.

   IMPORTANT! If the drawers were locked when the cart was previously powered down, you will not hear the drawer locks latching when the sixth battery is inserted.

2. With all twelve (12) batteries installed and the battery holder closed, press ⏻ (the power button) to turn on the cart.

3. The cart display will turn on, showing the *initial startup* login, **Enter PIN/Scan RFID** screen.

4. Enter 9 9 9 9 9 9 (six 9's) on the keypad.

   NOTE: This code is only used when the cart is initially set up and will be replaced with your Setup Code created in the next section.

Change Admin PIN

1. After entering 9 9 9 9 9 9 (six 9's) on the keypad, the display will change to show the **Change Admin PIN** screen.

2. With the **Change Admin PIN** screen displayed, enter a NEW six-digit code on the keypad to be used as your **Setup Code**. *This code should be kept secret and only used by the cart Administrator*.

3. After entering the new Admin PIN on the keypad, the display will change to show the screen to verify the Admin PIN entered.
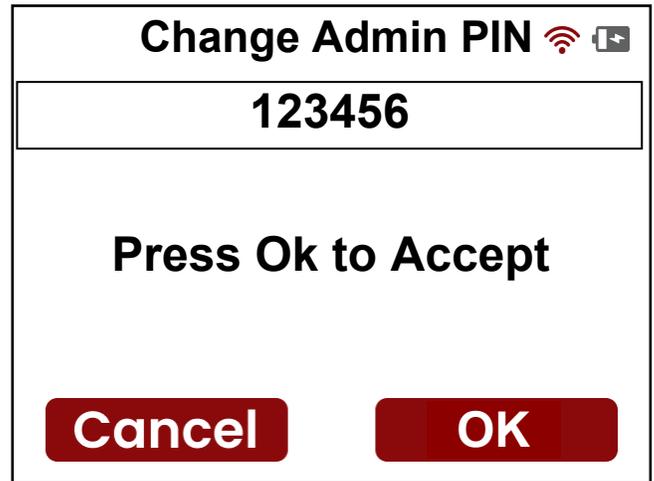
Cart Locking

Enter PIN/Scan RFID

1	2	3
4	5	6
7	8	9
	0	⌫

Change Admin PIN

1	2	3
4	5	6
7	8	9
	0	⌫

CART SETUP, CONT.

Initial Setup with Batteries, Cont.

Change Admin PIN, Cont.

4. Press the **OK** button to accept the code entered and proceed to step 6 to access the **Admin Main Menu**.

5. Otherwise, press the **Cancel** button to return to the **Enter PIN/Scan RFID** screen and enter the *initial startup* login 9 9 9 9 9 9 (six 9's) on the keypad again and then repeat steps 2 to 4.

6. The cart will unlock the drawers (a clicking sound will be heard indicating the drawer locks are unlatching), and the display will change to the **Admin Main Menu** screen.

Change Admin PIN 📶 🔋

123456

Press Ok to Accept

Cancel   OK

Accessing the Main Menu

1. Press ⚙ (the **SETUP** button).

2. The display will change to show the **Main Menu** screen.
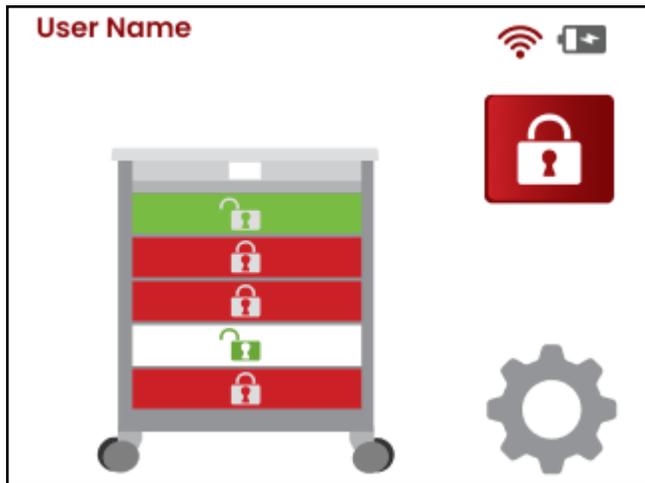
CREATE NEW USER

Main Menu Screen

On the **Main Menu** screen, press the **USERS** Button. The display will change to the **Users** screen, which allows a new user to be added to the cart or to manage existing users.
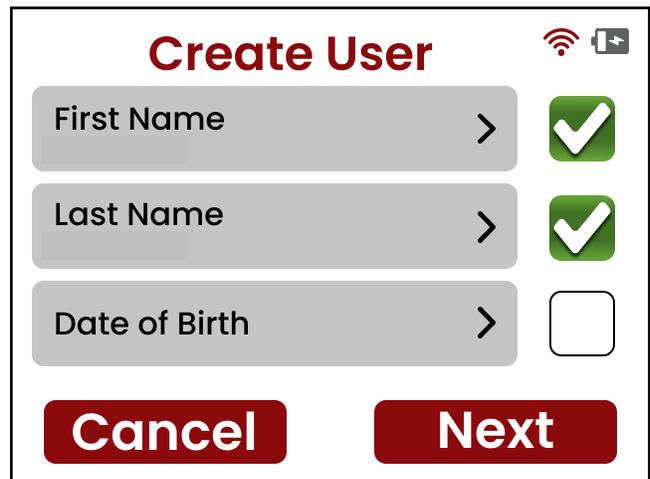
Users Screen

(Create New User/Manage Users)

With the **Users** screen shown, select **Create New User** to begin adding a new user.
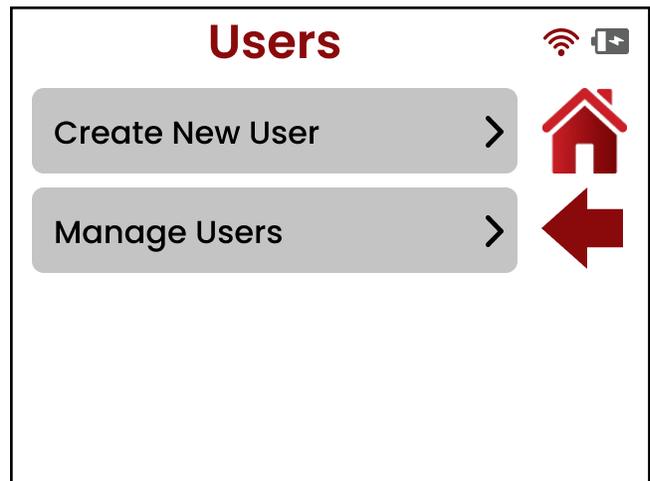
Enter User Name and Date of Birth

With the **Create User** screen, you will need to input the user's **First Name**, **Last Name**, and **Date of Birth**.

CREATE NEW USER, CONT.

Enter First Name

1. After selecting First Name on the **Create User** screen, the display will change to the **First Name** input screen.

2. Enter the first name of the user, then press the ☑ in the upper right corner of the display to save it. Press the shift (⬆) key before selecting the letter to toggle between upper and lower case letters for the name.

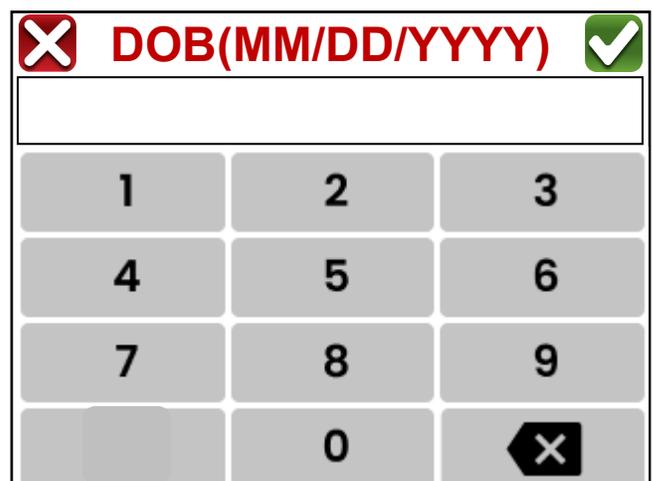3. The display will return to the **Create User** screen.

Enter Last Name

1. From the **Create User** screen, select Last Name. The display will change to the **Last Name** input screen.

2. Enter the last name of the user, then press the ☑ in the upper right corner of the display to save it. Press the shift (⬆) key before selecting the letter to toggle between upper and lower case letters for the name.

3. The display will return to the **Create User** screen.

Enter Date of Birth

1. From the **Create User** screen, select Date of Birth. The display will change to the **DOB(MM/DD/YYYY)** screen.

2. Enter the date of birth for the user in the format of two digits for the month (MM), two digits for the day (DD), and four digits for the year (YYYY).

3. The display will automatically return to the **Create User** screen after the fourth digit of the year has been entered.

CREATE NEW USER, CONT.

Enter Date of Birth, Cont.

4. With the display showing the **Create User** screen, verify that the first and last name and date of birth are correct, then press the **Next** button in the lower right of the display.

5. The display will change to the next **Create User** screen with selections for creating a Password for the user and selecting Drawer Access for the user.
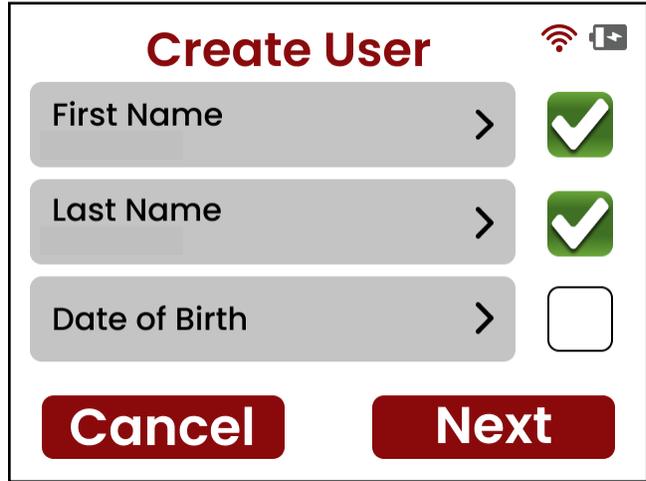
Create User Drawer Access

With the **Create User** screen for drawer access showing (Drawer Access), you will need to select the drawers the user will have access to.

1. With the **Create User** screen for drawer access showing, select Drawer Access.

2. With the **Drawer Access** screen showing, select the drawers the user will have access to by touching the drawer number on the display.

   NOTE: *After selecting a drawer, the white circle for the selected drawer will have a* ✔ *in it.*

3. Next, press the ☑ in the upper right corner of the display to save the selections.

4. The display will return to the **Create User** screen with a ☑ for the Drawer Access selections, and a **Save** button in the lower right of the display.

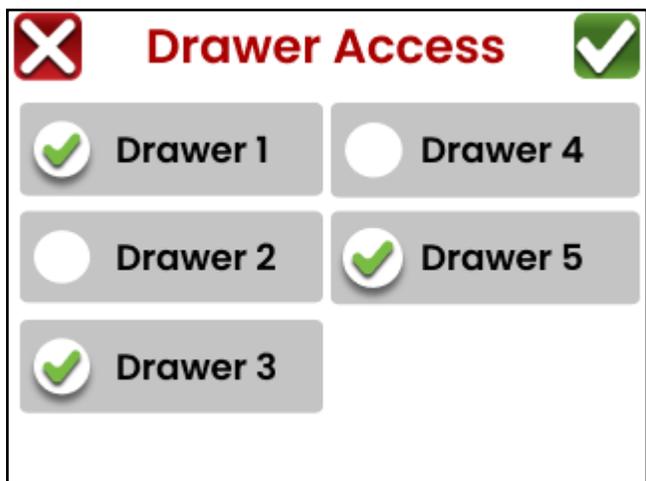5. Press the **Save** button to proceed to **Create User**, **Admin Level User** screen.

   ⚠ **IMPORTANT!** It should be noted that for a single-actuator cart, when any drawer is selected on the Drawer Access screen, *they are all selected*. Also, when any drawer is deselected, they are all deselected.

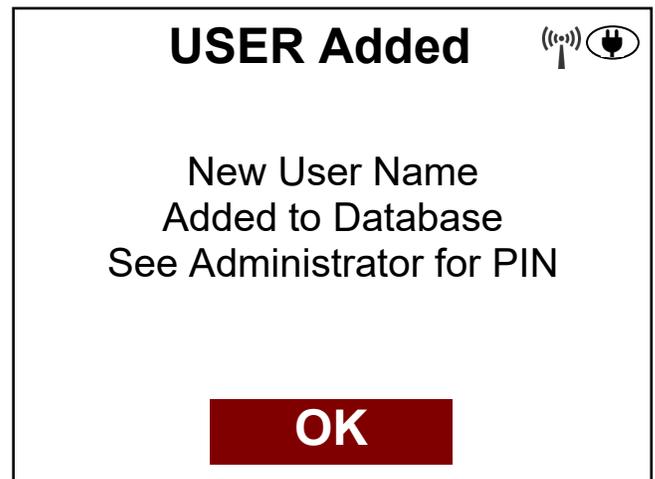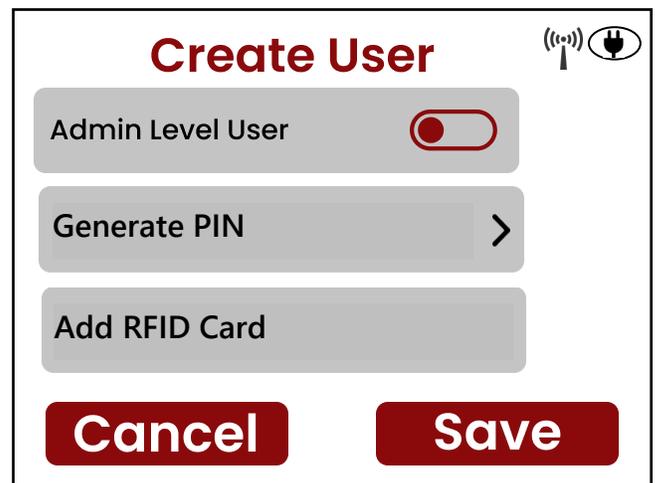# CREATE NEW USER, CONT.

⚠️ **IMPORTANT!** The options available on the **Create User, Admin Level User** selection screens depend on the **Connected to Server** status in the **System Menu**.

- If **Connected to Server** is "**Green**", pressing **Next** will advance the display to a menu with selections for **Admin Level User**, **Generate PIN** (server-generated), and **Add RFID Card** (*shown when the cart is equipped with an RFID card reader*).

- If **Connected to Server** is **"Red"**, pressing **Next** will advance the display to a menu with selections for **Admin Level User**, **PIN** (which is manually entered on the cart), and **Add RFID Card** (*shown when the cart is equipped with an RFID card reader*).

Connected to Server is "Green"
Admin Level User

The **Admin Level User** selection determines whether the user is granted administrative rights. By default, the admin level user switch is positioned to the left and displayed in red, indicating **No** administrative access.

1. To grant the user admin rights, touch the Admin Level User selection. The switch symbol will turn green and move to the right to indicate it is set to "Yes".

2. Press the Save button. The screen will change to show "**Do you want this person to have admin rights?**".

3. Press the **YES** button if the user is to have admin rights; otherwise, press the **Cancel** button to return to the **Admin Level User** screen.

4. After pressing the **YES** button, the display will momentarily show **Searching DataBase please wait** and then briefly show "**User Added**" (with the new user name displayed).
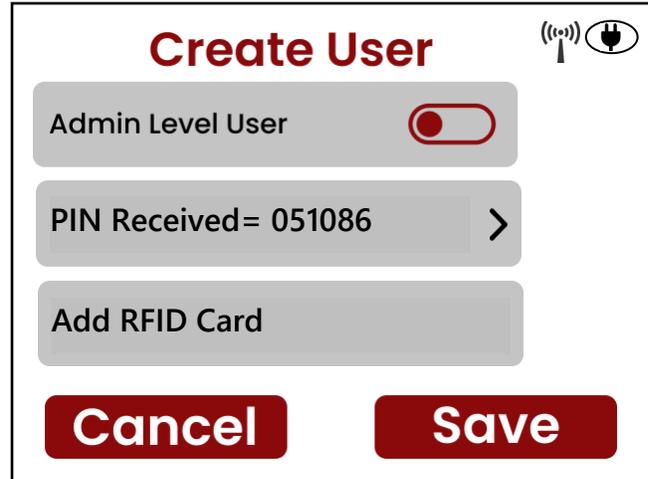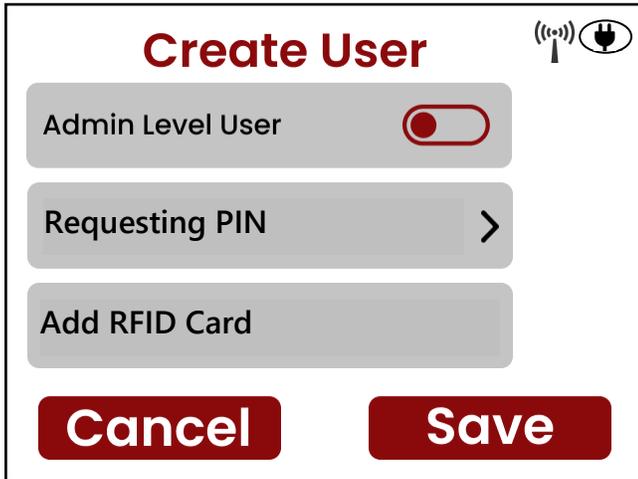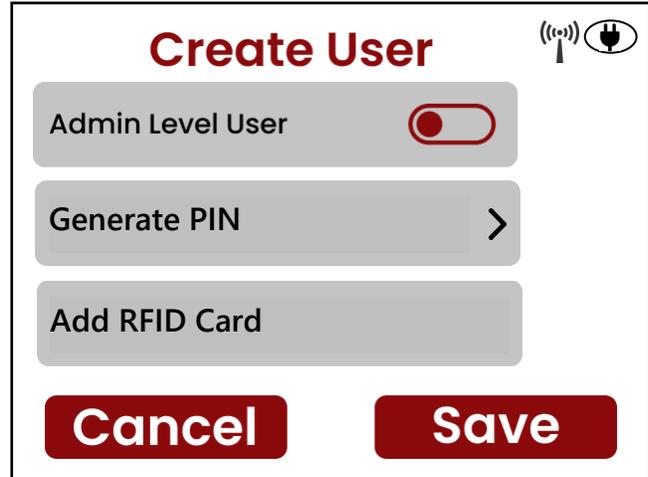
5. Press the **OK** button.

6. The display will return to the **Admin Main Menu** screen.

CREATE NEW USER, CONT.

Connected to Server is "Green", Cont.
Generate PIN

When **Connected to Server** is "Green", the PIN is generated by the server, and the **Create User, Admin Level User** screen will have menu selections for **Admin Level User**, **Generate PIN**, and **Add RFID Card** *(shown only when the cart is equipped with an RFID card reader).*

1. With the display showing the **Admin Level User/Generate PIN/Add RFID Card** menu selections, press the Generate PIN selection.

2. When Generate PIN is selected, the menu text will briefly change to "Requesting PIN", indicating that the cart has transmitted a PIN request to the server.

3. After the server responds, the menu text will update to "PIN Received=", followed by the system-generated six-digit PIN (such as 051086).

Create User

Admin Level User

Generate PIN >

Add RFID Card

Cancel   **Save**

Create User

Admin Level User

Requesting PIN >

Add RFID Card

Cancel   **Save**

Create User

Admin Level User

PIN Received= 051086 >

Add RFID Card

Cancel   **Save**

⚠ **NOTE:** If your cart is equipped with an RFID card reader, proceed to the next section, **Add RFID Card**. Otherwise, continue with Step 4.

---

4. To add additional new users, repeat the steps starting at the **Users Screen, (Create New User/Manage Users)**.

5. To make updates to an existing user, select Manage Users.

6. To exit, press the **Left Arrow** to return to the Main Menu or press the **HOME** button to return to the **Admin Main Menu** screen.

CREATE NEW USER, CONT.

When Connected to Server is "Red"
Admin Level User

The **Admin Level User** selection determines whether the user is granted administrative rights. By default, the admin level user switch symbol is positioned to the left and red, indicating **No** administrative access.

7. To grant the user admin rights, touch the switch symbol. It will turn green and move to the right, indicating it is set to "Yes".

8. Press the **Save** button. The screen will change to show "**Do you want this person to have admin rights?**".

9. Press **YES** to grant the user administrative rights. Otherwise, to leave the setting unchanged and return to the **Admin Level User** screen, press **Cancel**.

10. After pressing the **YES** button, the display will momentarily show **Searching DataBase please wait** and then briefly show "**User Added**" (with the new user name displayed).
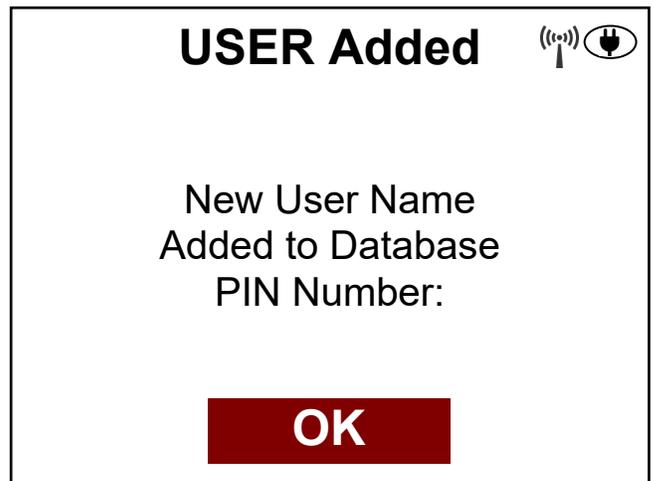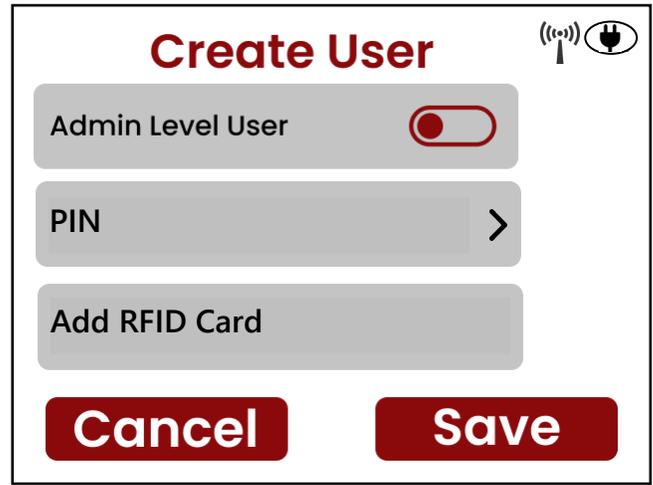
11. Press the **OK** button.

12. The display will return to the **Admin Main Menu** screen.
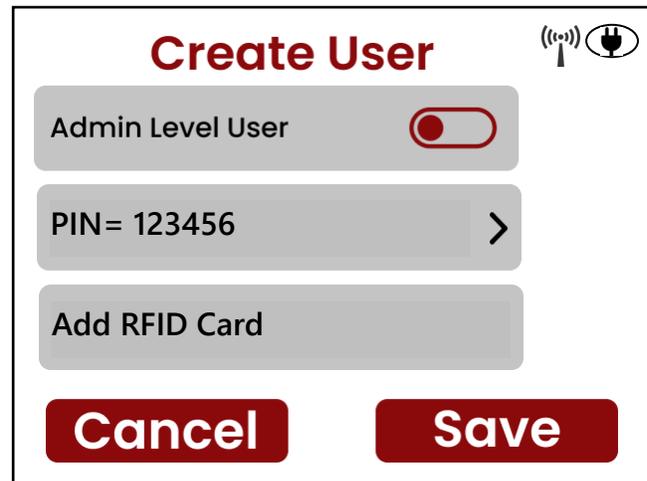
CREATE NEW USER, CONT.

When Connected to Server is "Red", Cont.
PIN

When Connected to Server is "Red", the PIN must be obtained from the cart administrator and entered manually, and the **Create User, Admin Level User** screen will have menu selections for **Admin Level User**, **PIN**, and **Add RFID Card** *(shown only when the cart is equipped with an RFID card reader).*

1. When the **PIN** menu selection is pressed, the display will change to show the **Enter 6-Digit Pin** screen.

2. Enter the 6-digit PIN.

3. After the last digit has been entered, the display will momentarily change to show **Searching DataBase please wait**, and then return to the **Create User**, **Admin Level User** screen.

4. On the **Create User**, **Admin Level User** screen, the "PIN=" menu text will have been updated to show the manually entered 6-digit PIN. For example, "PIN= 123456".
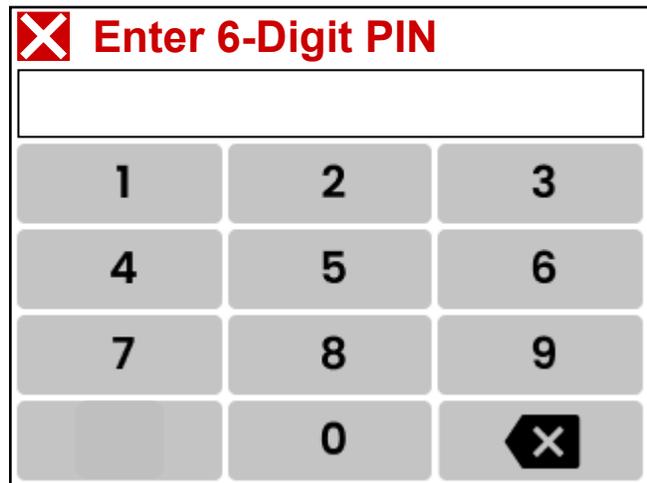
Searching DataBase please wait

NOTE: If your cart is equipped with an RFID card reader, proceed to the next section, **Add RFID Card**. Otherwise, continue with Step 5.

5. To add additional new users, repeat the steps starting at the **Users Screen, (Create New User/Manage Users)**.

6. To make updates to an existing user, select Manage Users.

7. To exit, press the **Left Arrow** to return to the Main Menu or press the **HOME** button to return to the **Admin Main Menu** screen.

CREATE NEW USER, CONT.

Add RFID Card

NOTE: The following instructions to add an RFID card to the user only apply if the cart is equipped with an RFID card reader.

1. With the **Create User**, **Admin Level User, Generate PIN (or PIN), Add RFID Card** screen showing, press the Add RFID Card selection. The display will change to show the **Scanning RFID Card** screen.

2. To add the RFID card, place the card on the card reader on the front of the cart.

3. Otherwise, press the **Cancel** button to return to the **Create User**, **Admin Level User/Add RFID Card** screen and proceed to Step 8, 9, or 10.

4. After placing the card on the card reader, a beep will sound, and then after a few seconds, the display will return to the **Create User**, **Admin Level User/ Add RFID Card** screen.

5. Press the **Save** button.

6. The display will momentarily show **Searching DataBase please wait,** and then briefly show "**User Added**" (with the new user name displayed).

7. Press the **OK** button.

8. The display will return to the **Admin Main Menu** screen.

9. To add additional new users, repeat the steps starting at the **Users Screen, (Create New User/Manage Users)**.

10. To make updates to an existing user, select Manage Users.

11. To exit creating new or managing users, press the **Left Arrow** to return to the Main Menu or press the **HOME** button to return to the **Admin Main Menu** screen.
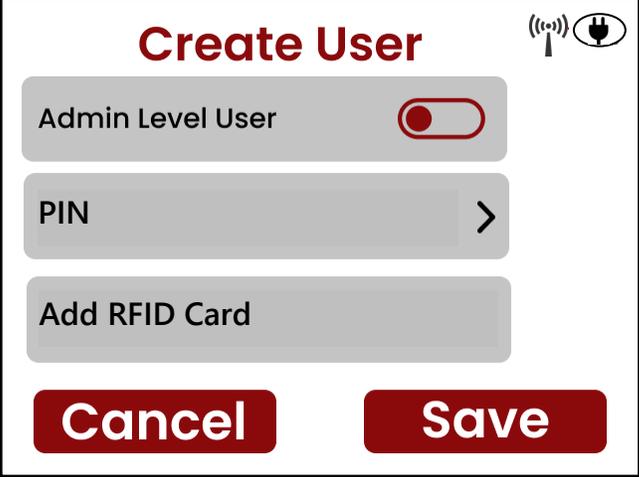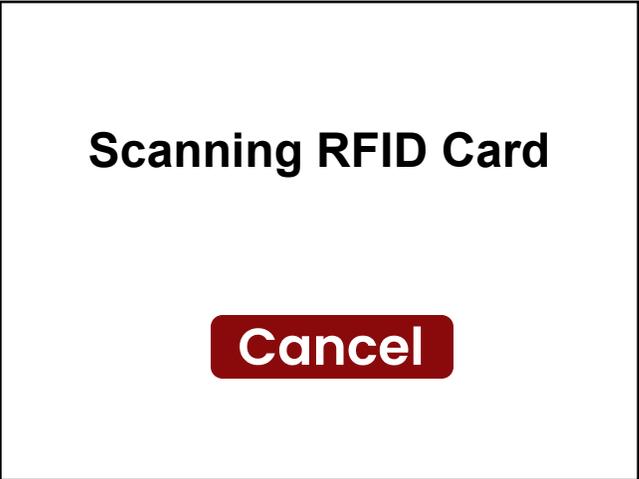

Create User

Admin Level User

PIN ❯

Add RFID Card

Cancel   **Save**

Scanning RFID Card

**Cancel**

USER Added

New User Name
Added to Database
PIN Number:
or
See Administrator for PIN
(*when Connected to Server*)

OK

MANAGE USERS

Manage Users Screen

With the **Manage Users** screen showing, you can select to search the user database by First Name, Last Name, Password, or RFID Card. Once the user has been found, you can make changes such as adding or removing an RFID card, changing the user's password, changing drawer access, or deleting the user.
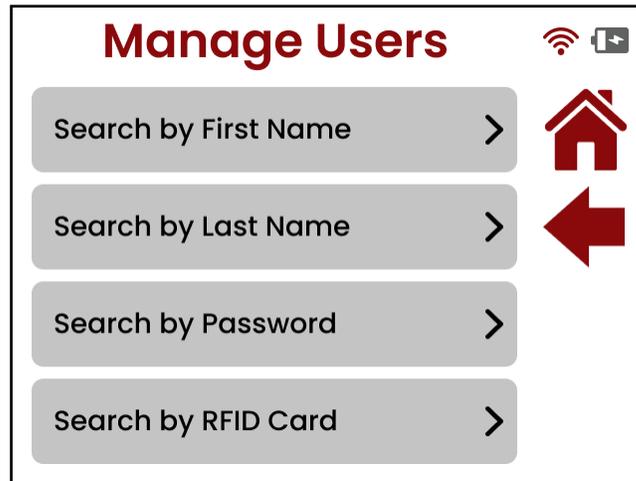
Search by First Name

1. After selecting Search by First Name on the **Manage Users** screen, the display will change to the **First Name** input screen.

2. Enter the first name of the user (or at least the first two letters of the first name) and then press the ☑ in the upper right corner of the display.

   For example, entering "Th" or "Thomas" would result in a list of user names that start with "Th" or "Thomas".

   NOTE: Press the shift (⬆) key before selecting the letter to toggle between upper and lower case letters for the name.
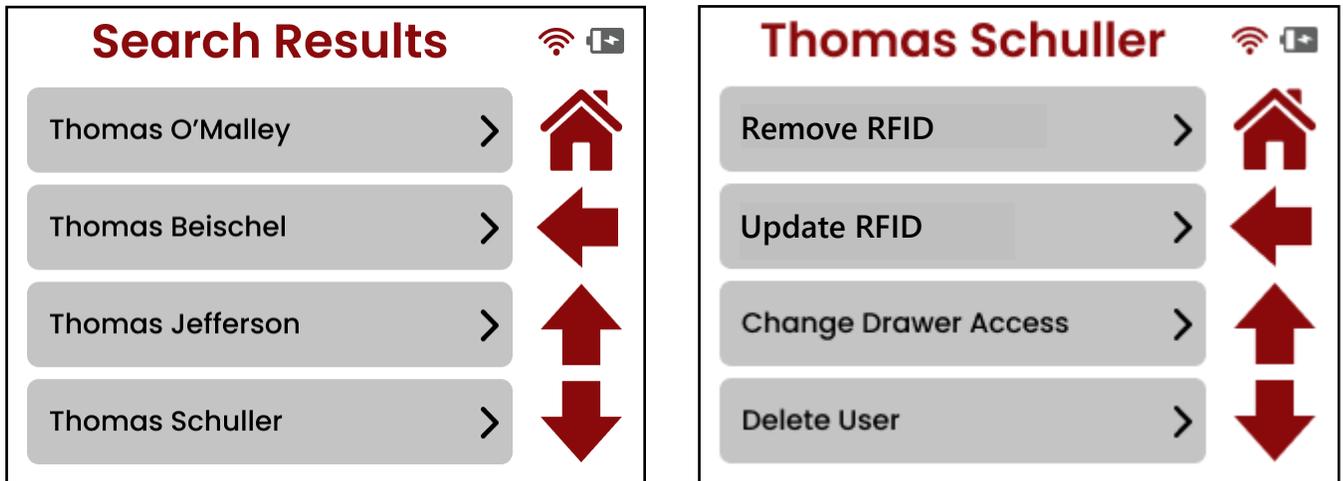
3. The display will momentarily show **Searching DataBase please wait**, and then change to the **Search Results** screen.

MANAGE USERS, CONT.

Search by First Name, Cont.

4. With the search completed and the list of names displayed, select the name of the User to manage.
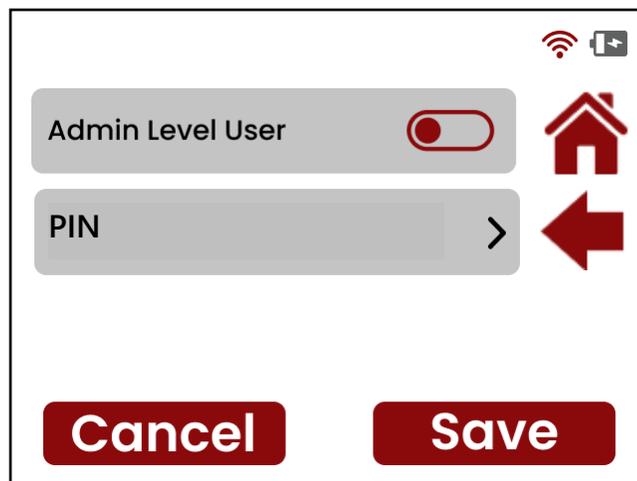

5. The display will change to show the **User Name** screen with selections to:
- Remove RFID (remove the user RFID card)
- Update RFID (update the user RFID card)
- Change Drawer Access of the user
- Delete User from database

⚠ **IMPORTANT!** If changing the User Admin Level (admin rights) or updating the user PIN is required, press the Down Arrow on the **User Name** screen to proceed to the next screen with the Admin Level User and PIN selections.

MANAGE USERS, CONT.

Search by Last Name

1. After selecting Search by Last Name on the **Manage Users** screen, the display will change to the **Last Name** input screen.

2. Enter the last name of the user (or at least the first two letters of the last name) and then press the ☑ in the upper right corner of the display.

   For example, entering "Sc" or "Schuller" would result in a list of users whose last name starts with "Sc" or is "Schuller".

   NOTE: Press the shift (⬆) key before selecting the letter to toggle between upper and lower case letters for the name.

3. The display will momentarily show **Searching DataBase please wait**, and then change to the **Search Results** screen.

4. With the search completed and the name or list of names displayed, select the name of the User to manage.
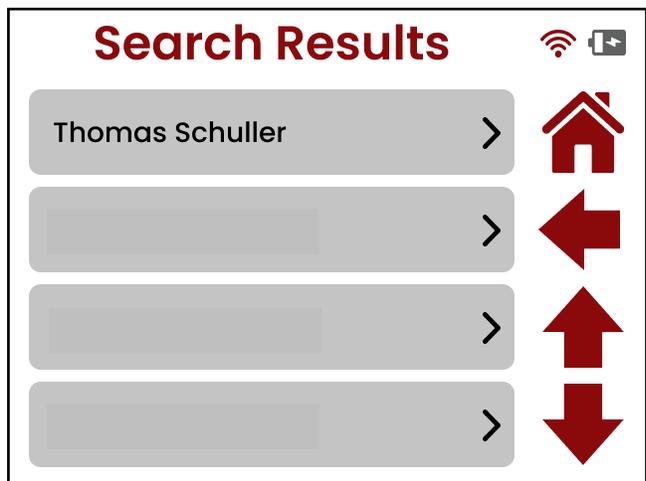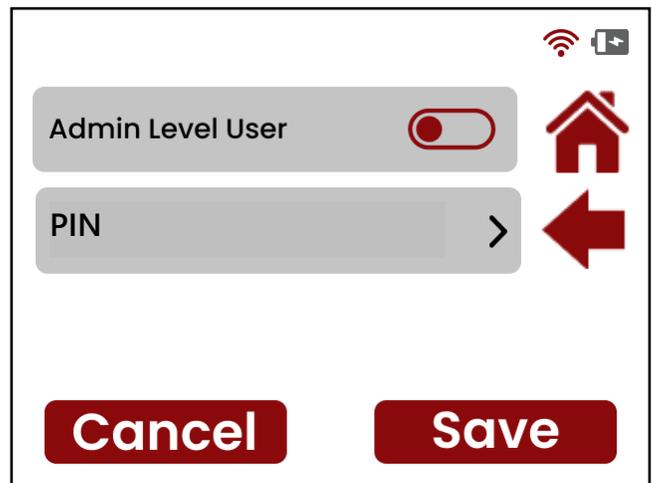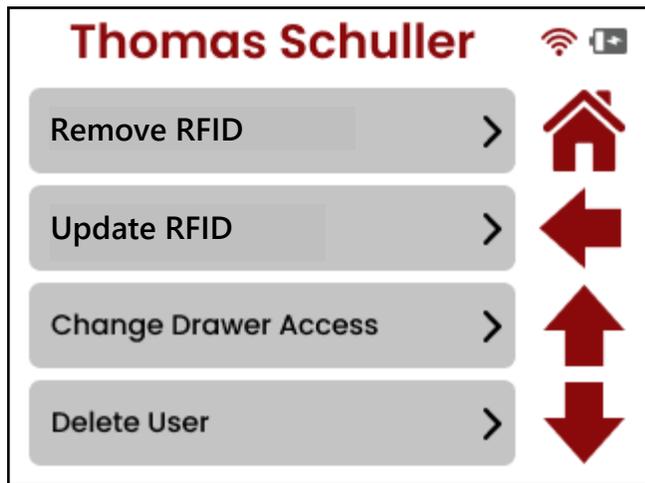
MANAGE USERS, CONT.

Search by Last Name, Cont.

5. The display will change to show the **User Name** screen with selections to:

    - Remove RFID (remove the user RFID card)
    - Update RFID (update the user RFID card)
    - Change Drawer Access of the user
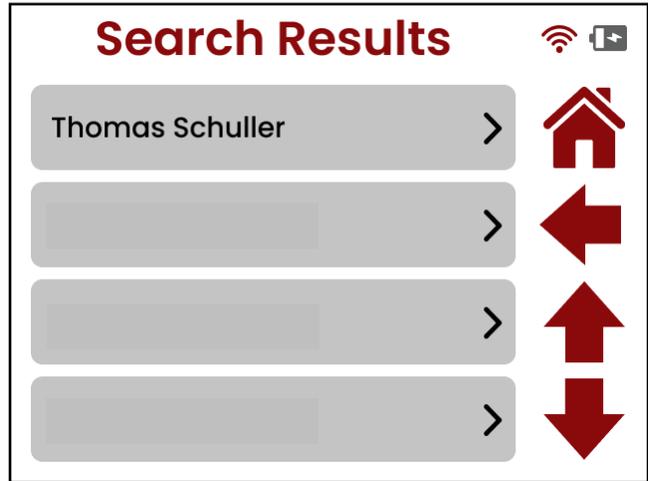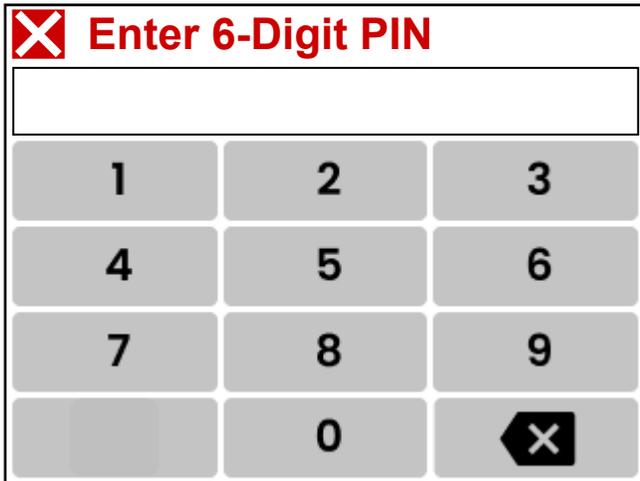   - Delete User from database

    ⚠ **IMPORTANT!** If changing the User Admin Level (admin rights) or updating the user PIN is required, press the Down Arrow on the **User Name** screen to proceed to the next screen with the Admin Level User and PIN selections.
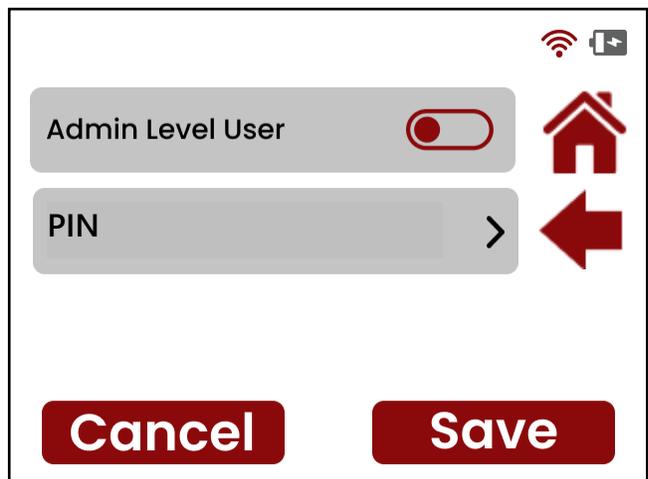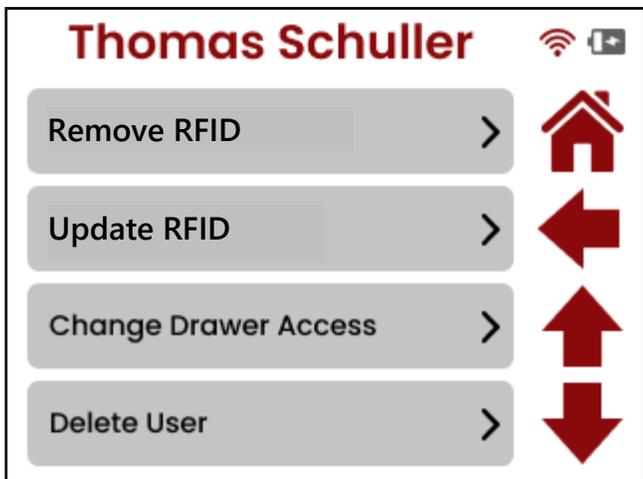
MANAGE USERS, CONT.

Search by Password

1. After selecting Search by Password on the **Manage Users** screen, the display will change to show the **Enter 6-Digit Pin** screen.

2. Enter the 6-digit PIN (password) to search the database for the user.

3. After the last digit has been entered, the display will change to the **Search Results** screen.

❌ **Enter 6-Digit PIN**

1	2	3
4	5	6
7	8	9
	0	⌫

Search Results

- Thomas Schuller ›
- ›
- ›
- ›

4. With the search completed, the name that matches the password will be shown.

5. The display will change to show the **User Name** screen with selections to:
   - Remove RFID (remove the user RFID card)
   - Update RFID (update the user RFID card)
   - Change Drawer Access of the user
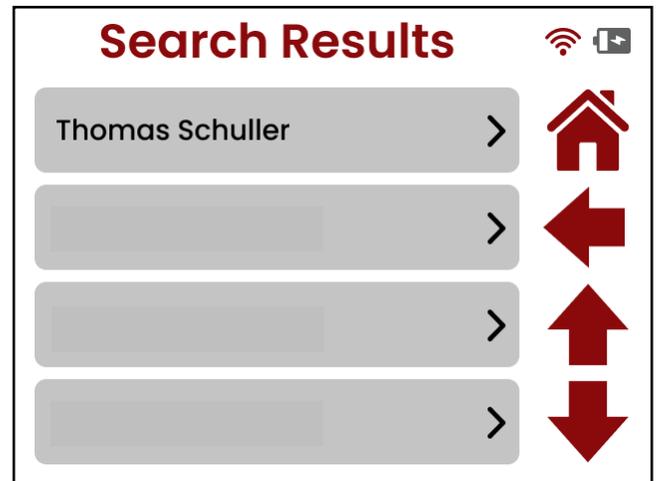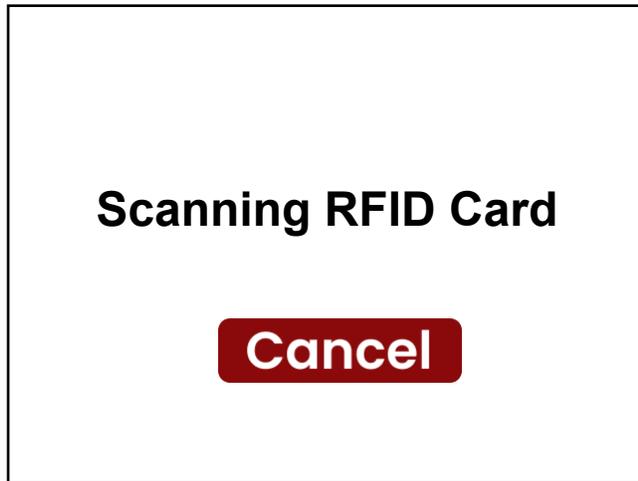   - Delete User from database

> ⚠️ **IMPORTANT!** If changing the User Admin Level (admin rights) or updating the user PIN is required, press the Down Arrow on the **User Name** screen to proceed to the next screen with the Admin Level User and PIN selections.

Thomas Schuller

- Remove RFID ›
- Update RFID ›
- Change Drawer Access ›
- Delete User ›

- Admin Level User ⬭
- PIN ›

[Cancel] [Save]
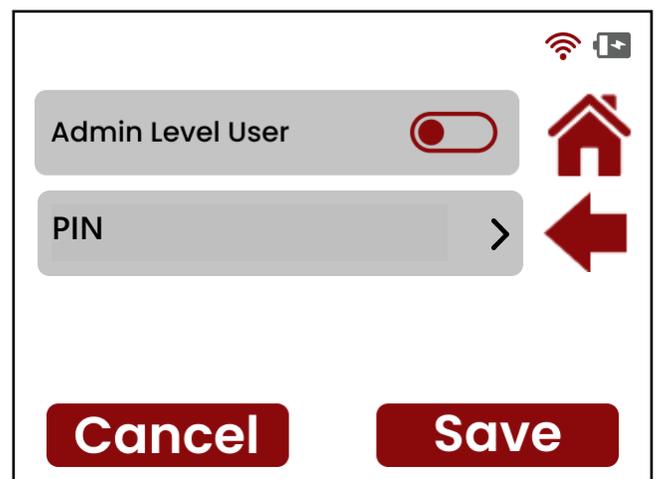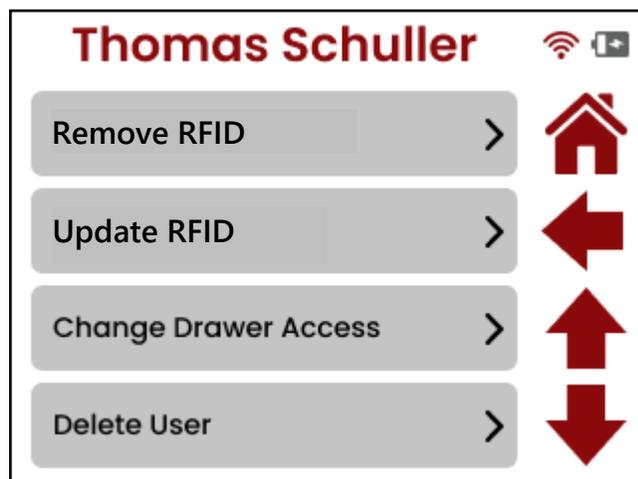
MANAGE USERS, CONT.

Search by RFID Card

1. After selecting Search by RFID Card on the **Manage Users** screen, the display will change to show the **Scanning RFID Card** screen.

2. To begin the search, place the RFID card on the card reader on the front of the cart; otherwise, press the **Cancel** button to return to the **Manage Users** screen.

3. After placing the card on the card reader, a beep will sound, and then after a few seconds, the display will change to show the **Search Results** screen.

4. With the search completed, the name that matches the password will be shown.

5. The display will change to show the **User Name** screen with selections to:

   - Remove RFID – Allows the removal of the user's RFID card.
   - Update RFID – Allows updating the user's RFID card.
   - Change Drawer Access – Allows changing the user's access to the cart drawers.
   - Delete User – Allows deleting the user from the cart database.
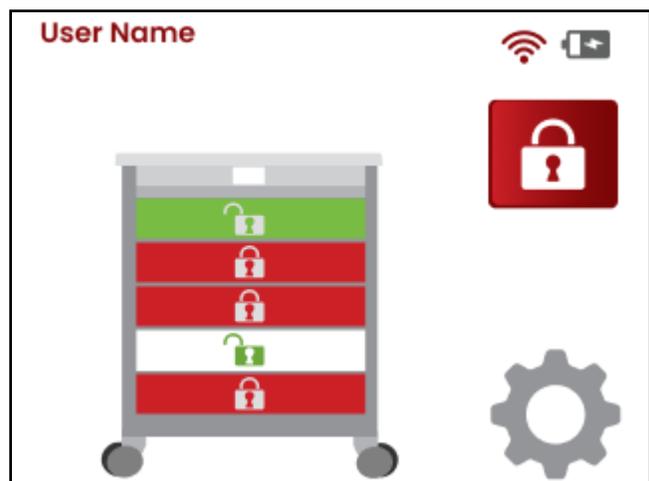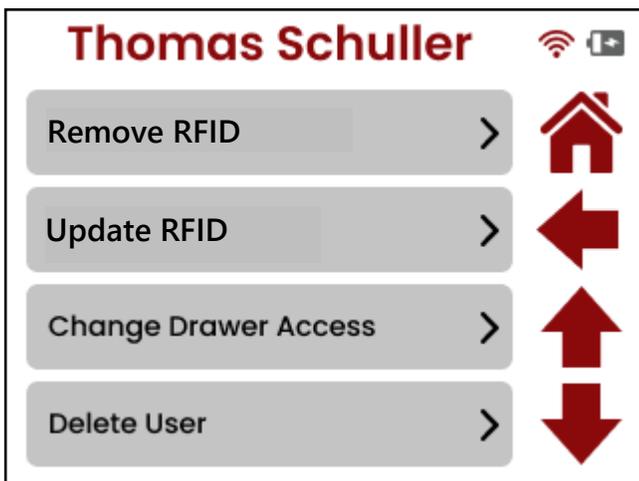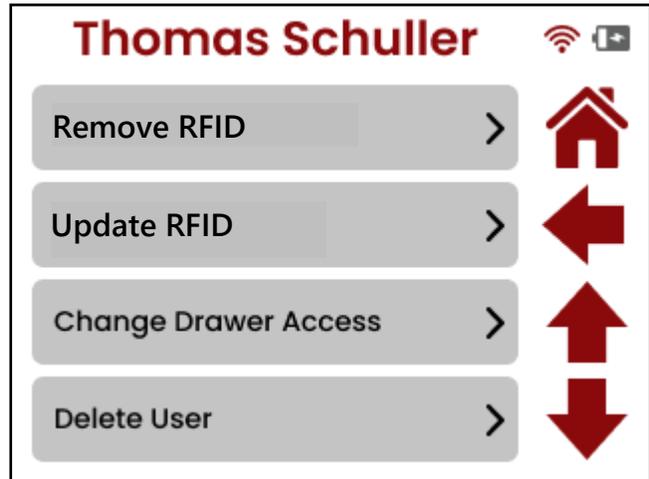
   ⚠ **IMPORTANT!** If changing the User Admin Level (admin rights) or updating the user PIN is required, press the Down Arrow on the **User Name** screen to proceed to the next screen with the Admin Level User and PIN selections.

MANAGE USERS, CONT.

Remove RFID

1. With the **User Name** and the manage selections screen showing, press the Remove RFID selection. The display will change to show the **Remove RFID Card** screen.

2. Press the Remove RFID Card selection on the screen. The screen will change to show **Do you want to Remove RFID?**

3. Press the **YES** button to remove the user's RFID Card from the database. The display will return to the **Remove RFID Card** screen.

4. Otherwise, press the **Cancel** button to return to the **Remove RFID Card** screen.

5. Press the Left Arrow to return to the **User Name** screen to perform additional management functions if required.

6. With the **User Name** screen showing, press the Down Arrow to proceed to the next screen with the Admin Level User and Update RFID selections.

7. Press the **HOME** button to return to the **Admin Main Menu** screen.

**Thomas Schuller**
- Remove RFID >
- Update RFID >
- Change Drawer Access >
- Delete User >

Do you want to Remove RFID?

Cancel | YES

Thomas Schuller
- Remove RFID >
- Update RFID >
- Change Drawer Access >
- Delete User >

User Name

MANAGE USERS, CONT.

Update RFID

NOTE: The following instructions to update a user's RFID card only apply if the cart is equipped with an RFID card reader.

1. With the **User Name**, **Admin Level User/Update RFID Card** screen showing, press the Update RFID Card selection. The display will change to show the **Scanning RFID Card** screen.

2. To add the RFID card, place the card on the card reader on the front of the cart.

3. Otherwise, press the **Cancel** button to return to the **Create User**, **Admin Level User/Add RFID Card** screen and proceed to Step 7, 8, or 9.

4. After placing the card on the card reader, a beep will sound, and then after a few seconds, the display will return to the **User Name**, **Admin Level User/ Update RFID Card** screen.

5. Press the Save button.

6. The display will change to show the **User Name** screen.

7. Press the Down Arrow if you need to return to the **User Name, Admin Level User/Update RFID** screen.

8. Press the Left Arrow to return to the **Manage Users** screen.

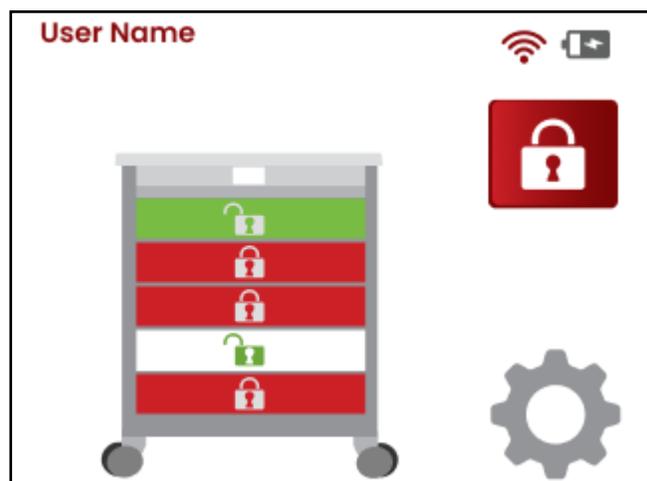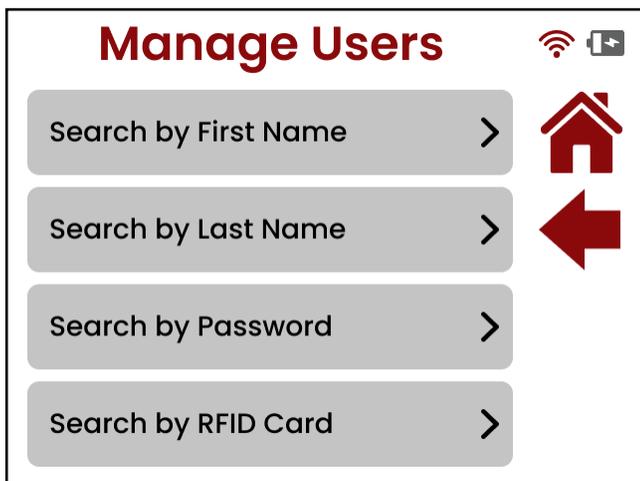9. Press the **HOME** button to return to the **Admin Main Menu** screen.
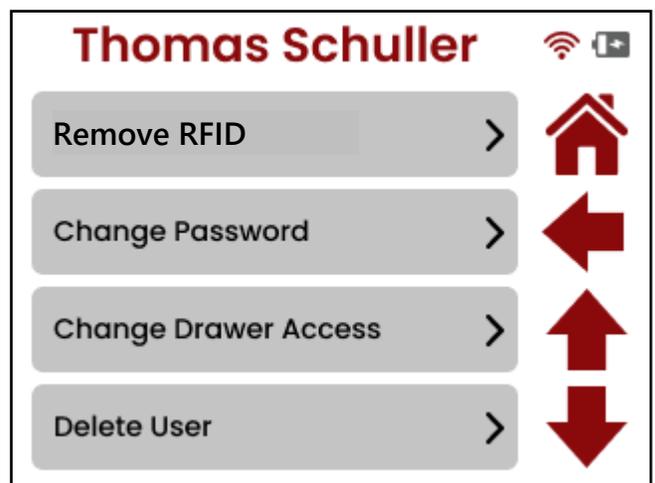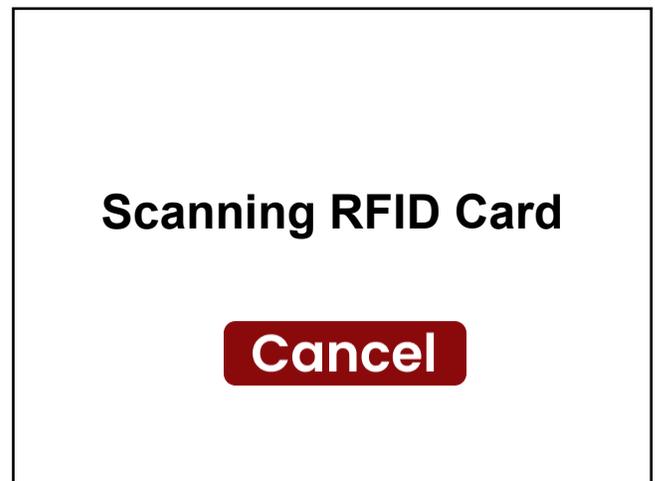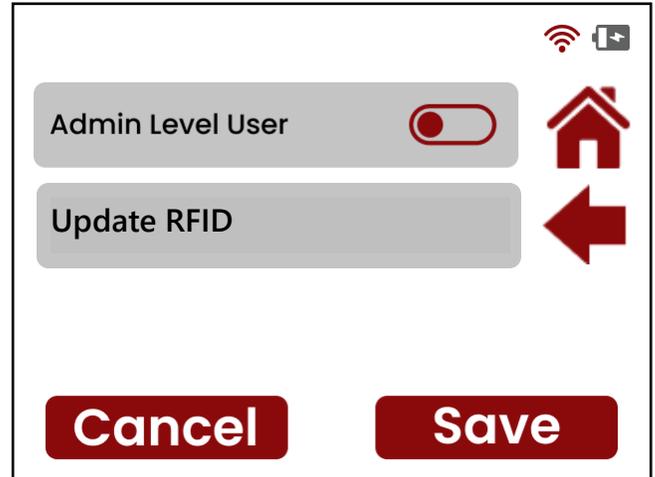
MANAGE USERS, CONT.

Change Drawer Access

1. With the **User Name** and Manage selections showing, press the Change Drawer Access selection.

2. The display will change to show the **Drawer Access** screen.

3. Select or deselect the drawers the user will have access to by touching the drawer number on the display.

   NOTE: After selecting a drawer, the white circle for the selected drawer will have an ✔ in it. After deselecting a drawer, the white circle will be blank.

4. Next, press the ✅ in the upper right corner of the display to save the selections.

5. The display will return to the **User Name** screen to perform additional management functions if required.

6. Press the Left Arrow on the **User Name** screen to return to the **Manage Users** screen.

7. Press the **HOME** button to return to the **Admin Main Menu** screen.

MANAGE USERS, CONT.

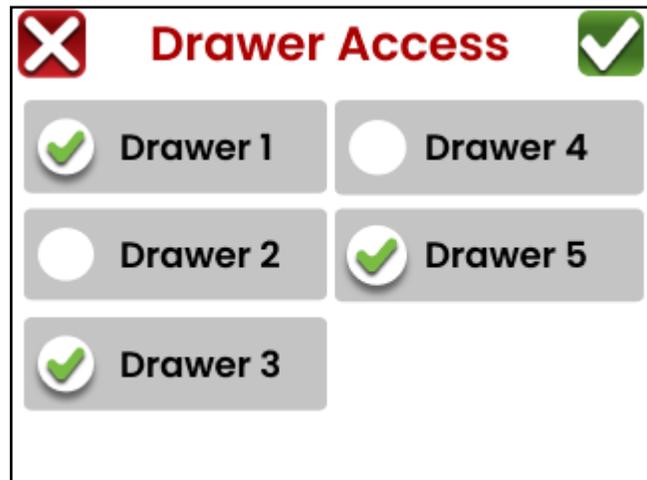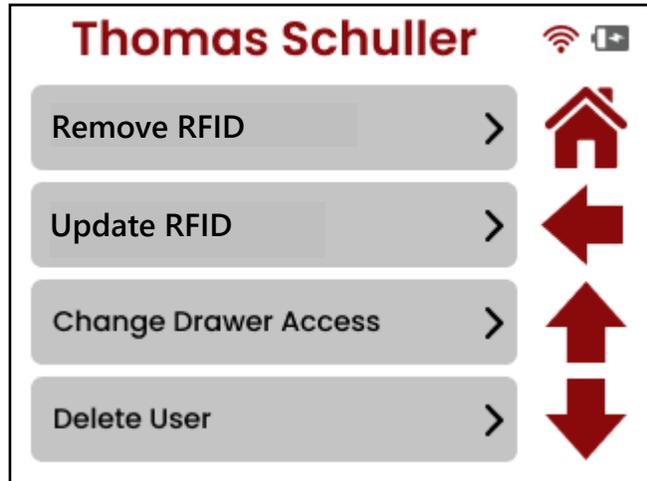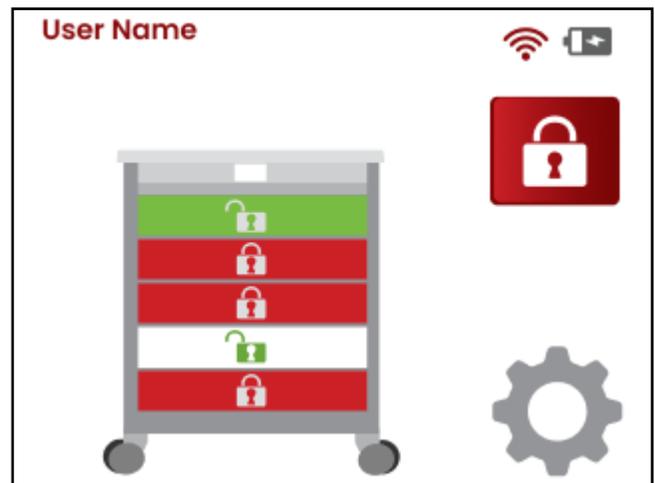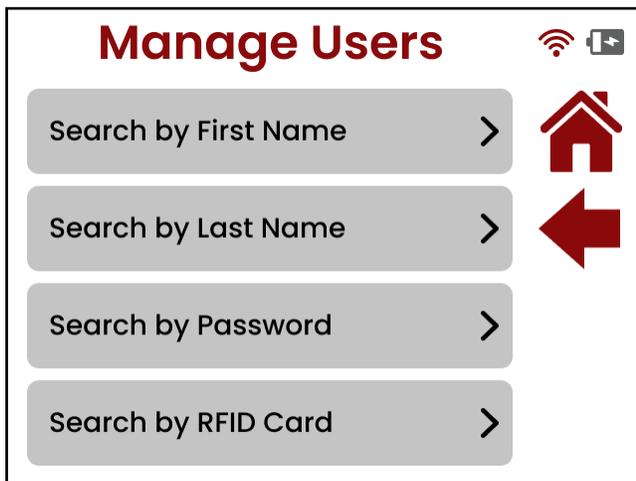## Delete User

1. With the **User Name** and Manage selections showing, press the **Delete User** selection.

2. The display will change to show the **Do you want to delete user from this cart only, or ALL carts?** screen.

   - To delete the user from this cart only, press the **This Cart** button.

   - To delete the user from All carts, press the **All Carts** button.

3. The screen will return to the **User Name** screen to allow additional user name functions to be performed if required.

4. Press the Left Arrow to return to the **Manage Users** screen to perform management functions on additional users.

5. Press the **HOME** button to return to the **Admin Main Menu** screen.

Thomas Schuller

Remove RFID >
Update RFID >
Change Drawer Access >
Delete User >

Do you want to delete user from this cart only, or ALL carts?

This Cart   All Carts

Manage Users

Search by First Name >
Search by Last Name >
Search by Password >
Search by RFID Card >
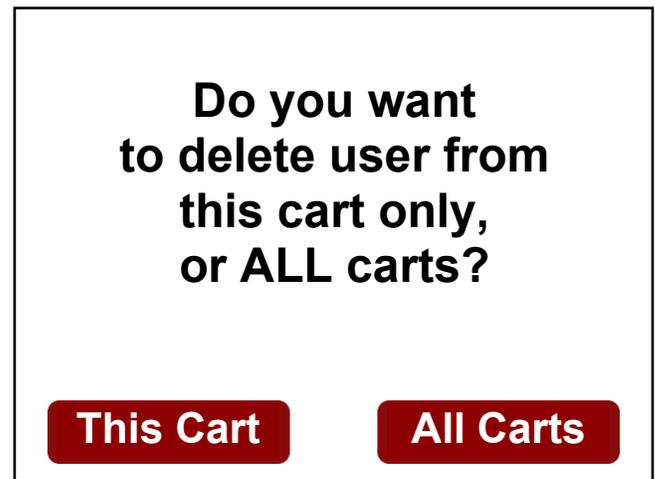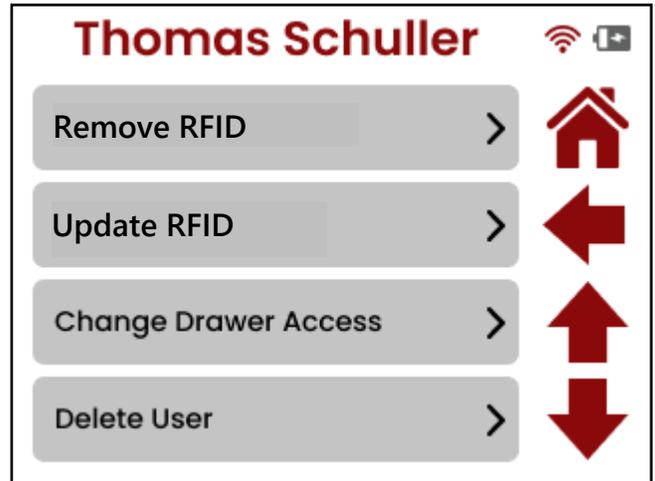
User Name

MANAGE USERS, CONT.

Change User Admin Level

After pressing the Down Arrow on the **User Name** screen, the display will change to a screen with selections for Admin Level User and PIN (password).

Admin Level User

The Admin Level User selection determines whether the user will have admin rights.

1. To change the user's admin rights, touch the Admin Level User switch symbol.

   - **Allow Admin Rights:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, indicating it is set to "Yes".

   - **Disallow Admin Rights:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating it is set to "No".

2. Press the **Save** button.

3. The screen will change to show "**Do you want this person to have admin rights?**".

4. Press the **YES** button if the user is to have admin rights; otherwise, press the **Cancel** button to return to the **User Name** screen and proceed to Step 6, 7, or 8.

5. After pressing the **YES** button, the display will change to show the **User Name** screen.

6. After pressing the **YES** button, the display will change to show "**User Added**" (with the user name displayed).

7. Press the **OK** button.

8. The display will return to the **Admin Main Menu** screen.
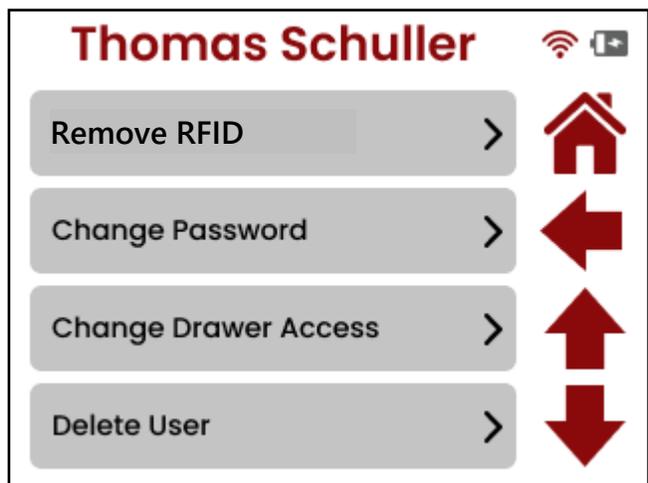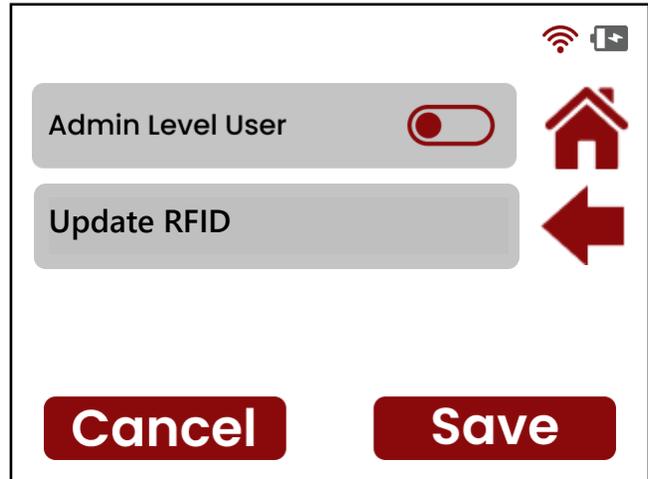
MANAGE USERS, CONT.

Change PIN (Password

1. With the **Users Name** screen and manage selections showing, press the Down Arrow to proceed to the next screen with the Admin Level User and PIN selections.

2. Press the **PIN** selection.
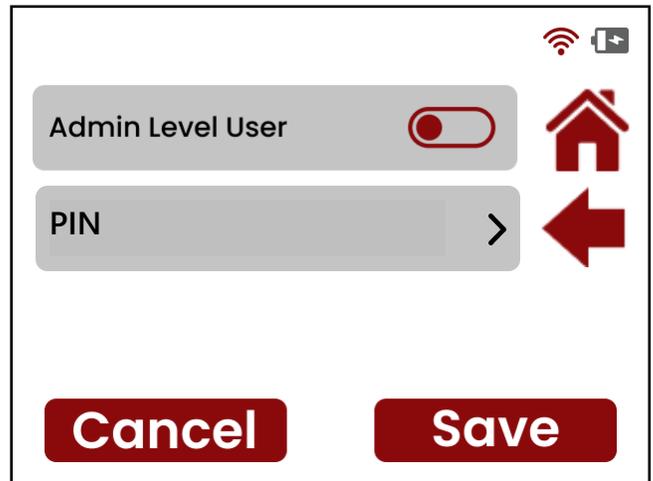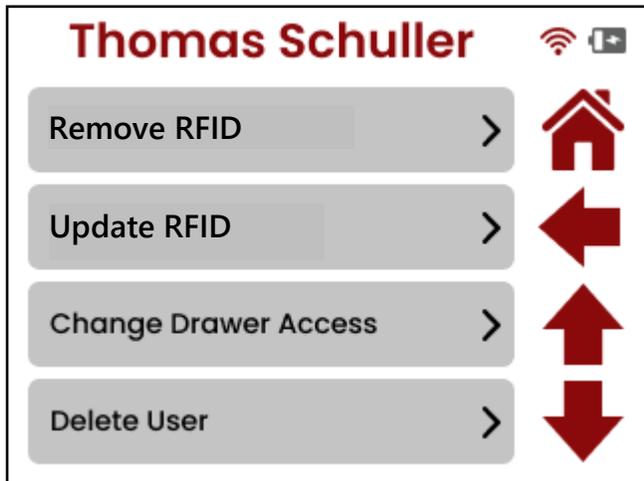
3. The display will change to show the **Enter 6-Digit Pin** screen.

4. Enter a new 6-digit PIN (password) for the user. After the final digit is entered, the display will briefly show **Searching Database please wait**. It will then return to the **User Name** screen, allowing you to perform additional management functions if needed.
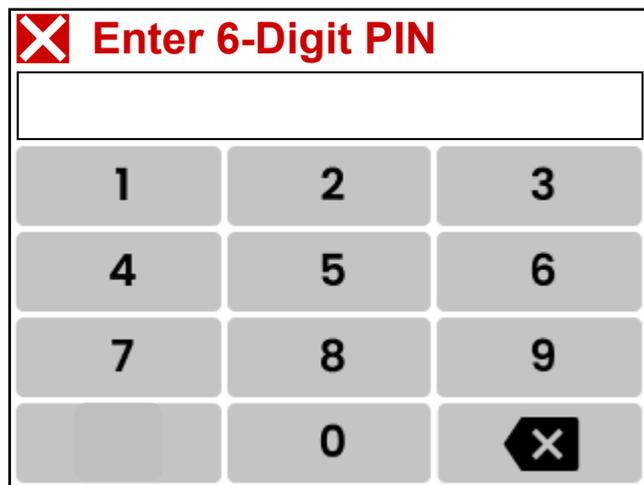
⚠ **NOTE:** If the new 6-digit PIN (password) entered is already in the database, the screen will display **Choose a Different Password** to prompt you to choose a different PIN (password).

5. Press the **Left Arrow** to return to the first **Users Name** screen.

6. Press the **HOME** button to return to the **Admin Main Menu** screen.

AUDIT TRAIL

Audit Trail Main Screen

1. On the **Main Menu** screen, press the **AUDIT TRAIL** Button.

2. The display will change to the **Audit Trail** screen, which will show a list of the most recent events (by date and time) occurring on the cart.

   NOTE: Four events are displayed on the screen at one time. To view the next four (older) events, press the **Down Arrow** button. Press the **Up Arrow** button to return to the previous (newer) list of events.
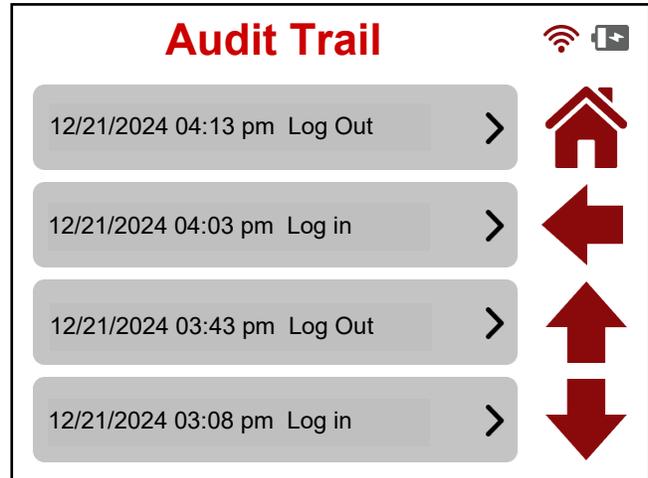
Audit Trail Detail Screen

1. Detailed information about an event is available by pressing the event on the screen.

2. If desired, the detailed information of the previous (older) event can be viewed by pressing the **Down Arrow** button.

   Note that repeated pressing of the **Down Arrow** button will allow viewing the detailed information of additional older audit trail events.
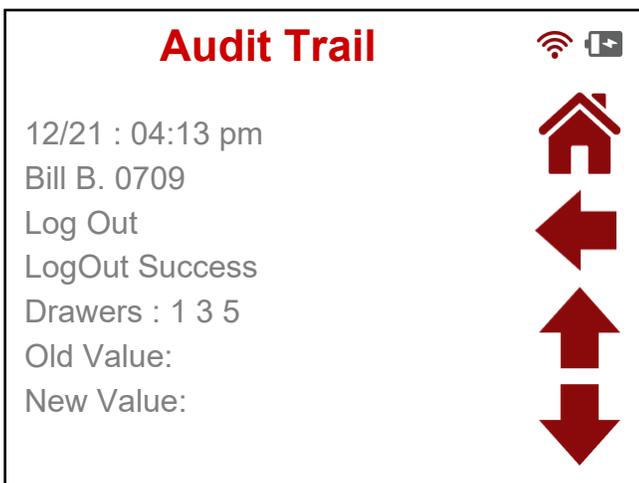
AUDIT TRAIL

Audit Trail Detail Screen, Cont.

3. Press the **Left Arrow** button on the Audit Trail detail information screen to return to the main **Audit Trail** screen.

4. To view the next four (older) audit trail events, press the **Down Arrow** button on the **Audit Trail** screen.

5. With the next list of events displayed on the **Audit Trail** screen, press the event on the screen to view detailed information about the event.

- With the **Audit Trail** screen showing, press the **Left Arrow** button to return to the **Main Menu** screen.

- With the **Main Menu** screen displayed, press the **Down Arrow** to proceed to the **Main Menu Screen Two**.

- Press the **HOME** button to return to the **Admin Main Menu** screen.

PROGRAMMING ALARMS

Alarms Screen

1. On the **Main Menu** screen, press the **ALARMS** Button. The display will change to the **Alarms** screen.

2. This screen shows a list of selections for programming alarms, such as the alarm volume, alarm silence timeout, open drawer alarm time, and the mute silence timeout.

   Note that the current settings for each are displayed on the right of the selection.

Set Alarm Volume

1. With the **Alarms** screen showing, press the Alarm Volume selection. The display will change to show the **Edit Alarm Volume** screen.
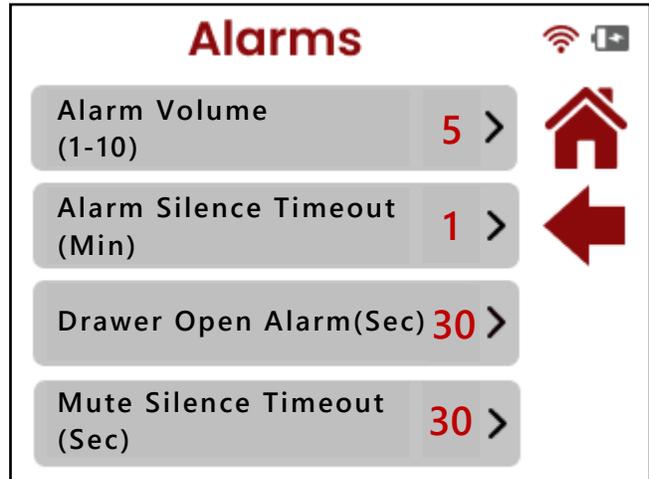
2. Press the **Up Arrow** (∧) to increase the volume or press the **Down Arrow** (∨) to decrease the volume.

   Note that the available volume level setting is 1 through 10.

3. Press the **Save** button to save the new setting and return to the **Alarms** screen.

4. To cancel changing the alarm volume level, press the **Cancel** button to return to the **Alarms** screen.

PROGRAMMING ALARMS, CONT.

Alarm Silence Timeout

When a user is logged in, and a drawer stays open longer than the Drawer Open Alarm time, the alarm will sound. Pressing the Silence button on the screen will temporarily silence the alarm. The Alarm Silence Timeout setting determines how long the alarm is temporarily silenced. The alarm will start again after the Alarm Silence Timeout expires if the drawer remains open.

1. With the **Alarms** screen showing, press the Alarm Silence Timeout selection. The display will change to show the **SILENCE** setting screen.

2. Enter the number of minutes (1 through 10) for the alarm silence timeout setting and press the ☑ on the top right corner of the screen to save the new setting.

3. To cancel changing the setting, press the ☒ on the top left corner of the screen to return to the **Alarms** screen.

Drawer Open Alarm

The Drawer Open Alarm specifies the amount of time a drawer can be left open (while a user is logged into the cart) before the alarm sounds. Closing the open drawer(s) will permanently silence the alarm. No login is required to silence this alarm.

1. With the **Alarms** screen showing, press the Drawer Open Alarm selection. The display will change to show the **TIME** setting screen.

2. Enter the number of seconds (1 through 60) for the drawer open alarm to sound and press the ☑ on the top right corner of the screen to save the new setting.

3. To cancel changing the setting, press the ☒ on the top left corner of the screen to return to the **Alarms** screen.
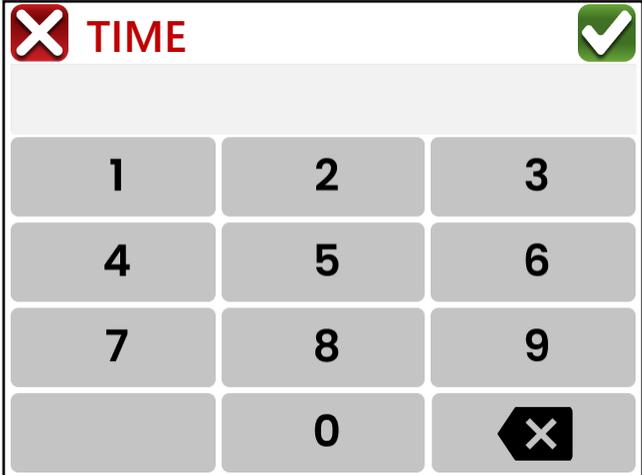
PROGRAMMING ALARMS, CONT.

Mute Silence Timeout

When no user is logged in, and a drawer is forced open or the cart auto locks with a drawer open, the alarm will sound, and the keypad will be displayed. Pressing the Silence button on the keypad will temporarily silence the alarm. The Mute Silence Timeout setting determines how long the alarm is silenced. A user with access to the drawer(s) that was/were opened should log in to permanently silence the alarm.

1. With the **Alarms** screen showing, press the Mute Silence Timeout selection. The display will change to show the **MUTE SILENCE** setting screen.

2. Enter the number of seconds (30 through 199) for the mute silence timeout and press the ☑ on the top right corner of the screen to save the new setting.

3. The display will return to the **Alarms** screen.

4. To cancel changing the setting, press the ☒ on the top left corner of the screen to return to the **Alarms** screen.
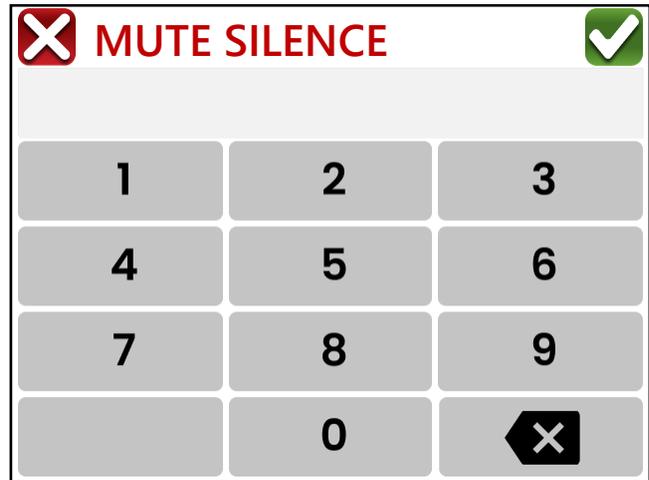
- With the **Alarms** screen displayed, press the **Left Arrow** to return to the **Main Menu** screen.

- With the **Main Menu** screen displayed, press the **Down Arrow** to proceed to the **Main Menu Screen Two**.

- Press the **HOME** button to return to the **Admin Main Menu** screen.

SYSTEM SETUP

System Setup Screen One

1. On the **Main Menu** screen, press the **SYSTEM** Button.

2. The display will change to the first **System** screen, with the screen displaying a list of selections for drawers.

    - The number of drawers the cart has.
    - How many drawers have locks?
    - How many drawers have sensors?
    - How many drawers have alarms?

Number of Drawers

1. With the **System** screen displayed, select **Number of Drawers**. The display will change to the **Drawer Configuration** screen.

2. Press the **Up Arrow** (∧) to increase the number of drawers or press the **Down Arrow** (∨) to decrease the number of drawers.

    NOTE: The available **Number of Drawers** setting is 1 through 12.

3. If the cart is a single-actuator cart, press the ❌ button to select Single Actuator. Note that after selecting Single Actuator, the ❌ will change to a ✅.

4. Press the **Save** button to save the new settings and return to the **System** screen.

5. To cancel setting the **Number of Drawers** or selecting **Single Actuator**, press the **Cancel** button to return to the **System** screen.
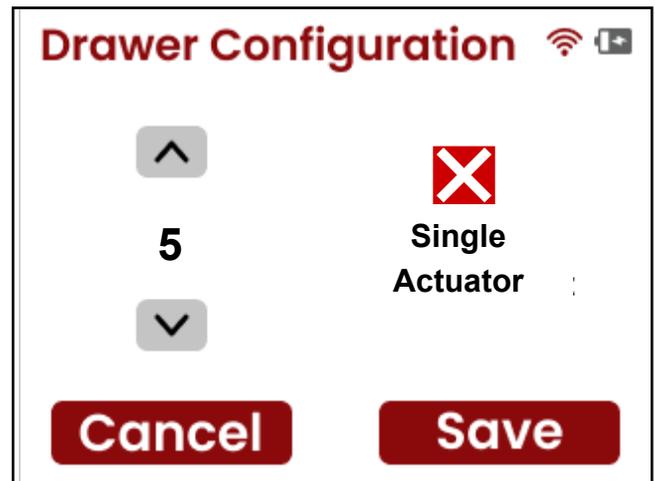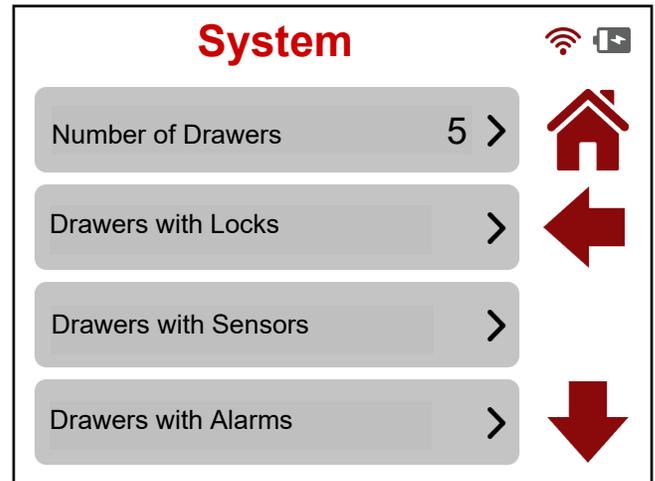
SYSTEM SETUP, CONT.

System Setup Screen One, Cont.

Drawers with Locks

1. With the **System** screen displayed, select **Drawers with Locks**. The display will change to the **Drawers with Locks** screen.

2. With the **Drawer with Locks** screen displayed, select the drawers that have locks by touching the corresponding drawer number on the display. **NOTE:** After a drawer is selected, a check mark ✔ will appear in the white circle for that drawer.

3. Next, press the ✔ in the upper right corner of the display to save the selections. The display will return to the **System** screen.
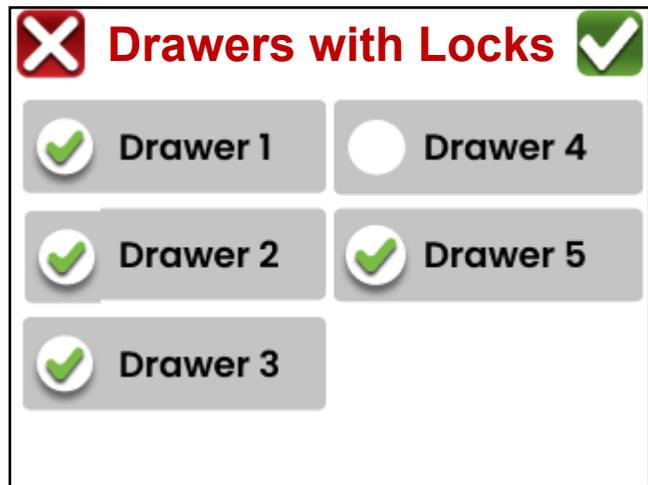
Drawers with Sensors

1. With the **System** screen displayed, select **Drawers with Sensors**. The display will change to the **Drawer with Sensor** screen.

2. With the **Drawer with Sensor** screen displayed, select the drawers that have sensors by touching the corresponding drawer number on the display. **NOTE:** After a drawer is selected, a check mark ✔ will appear in the white circle for that drawer.

3. Next, press the ✔ in the upper right corner of the display to save the selections. The display will return to the **System** screen.
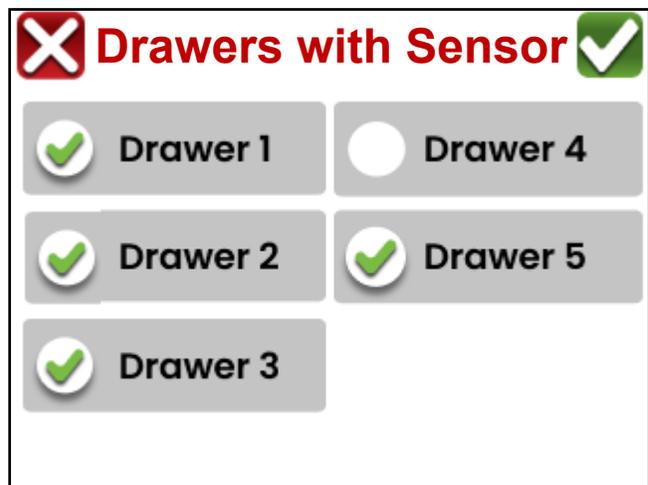
Drawers with Alarms

1. With the **System** screen displayed, select **Drawers with Alarms**. The display will change to the **Drawer with Alarms** screen.

2. With the **Drawer with Alarms** screen displayed, select the drawers that have alarms by touching the corresponding drawer number on the display. **NOTE:** After a drawer is selected, a check mark ✔ will appear in the white circle for that drawer.

3. Next, press the ✔ in the upper right corner of the display to save the selections. The display will return to the **System** screen.

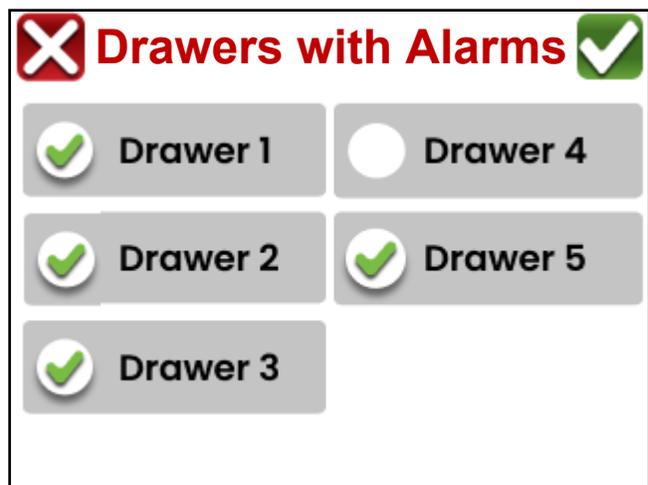# SYSTEM SETUP, CONT.

System Setup Screen Two

1. With the first **System** screen showing, press the **Down Arrow** button.

2. The display will change to the second **System** screen, with the screen displaying the following list of selections:

   - Enabling the card reader (if the cart is equipped with an RFID card reader).
   - Selecting the Time Zone.
   - Selecting if the cart Location uses DST (Daylight Saving Time).
   - Manual programming of the Local Date and Time.
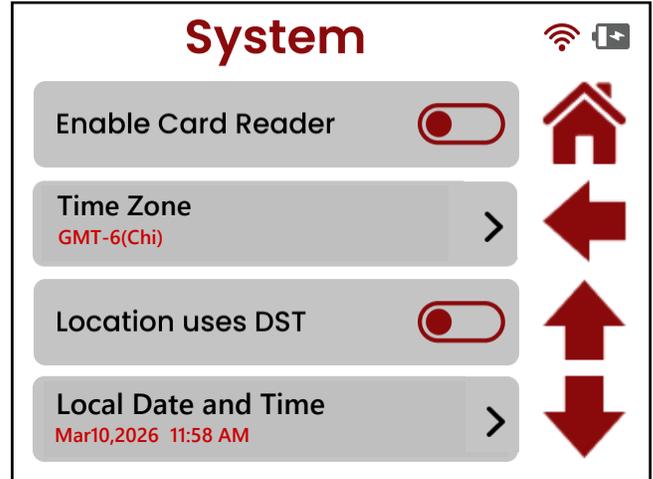
Enable Card Reader

NOTE: The following instructions to enable the RFID card reader only apply if the cart is equipped with an RFID card reader.

With the second **System** screen showing, touch the **Enable Card Reader** switch symbol to enable or disable the RFID card reader.

- **Enable Card Reader:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, indicating it is enabled.

- **Disable Card Reader:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating it is disabled.

Set Time Zone

1. With the second **System** screen showing, select **Time Zone**. The display will change to the **Set Time Zone** screen.

2. Press the **Up Arrow** (∧) or **Down Arrow** (∨) to select the time zone where the cart will be used.

3. When the desired time zone has been selected, press the **Save** button.

4. The display will return to the second **System** screen.

5. Proceed to the next System setting, **Location uses DST**.
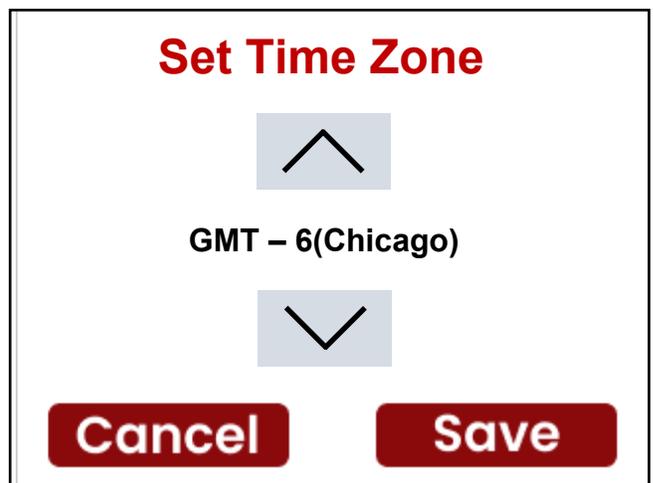
SYSTEM SETUP, CONT.

System Setup Screen Two, Cont.

Location uses DST

With the second **System** screen displayed, touch the **Location Uses DST** switch symbol to enable or disable Daylight Saving Time (DST) for the cart's location.

- **Enable Location uses DST:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, indicating it is enabled.

- **Disable Location uses DST:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating it is disabled.

Local Date and Time

1. With the second **System** screen showing, select **Local Date and Time**. The display will change to the **Set Date** screen.

2. Press the **Up Arrows** (∧) or **Down Arrows** (∨) to select the Month, Day, and Year for the cart.

3. When the desired Month, Day, and Year have been selected, press the **Next** button.

4. The display will change to the **Set Time** screen.
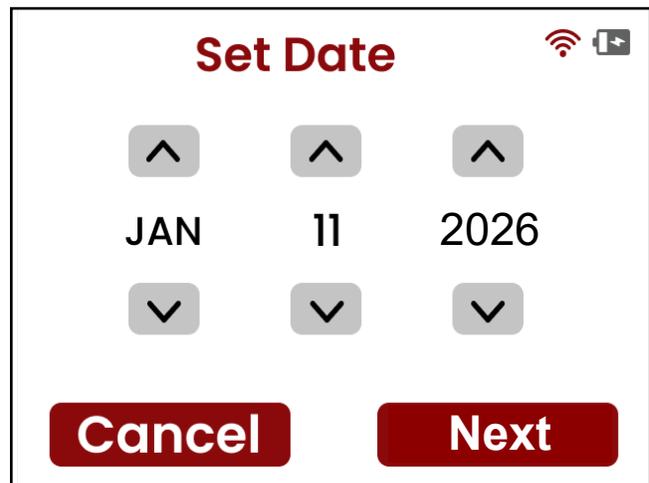
5. With the **Set Time** screen displayed, press the **Up Arrows** (∧) or **Down Arrows** (∨) to select the Hour, Minutes, and whether the time for the cart is AM or PM.

6. When the desired Hour, Minutes, and AM or PM has been selected, press the **Save** button.

7. The display will return to the second **System** screen.
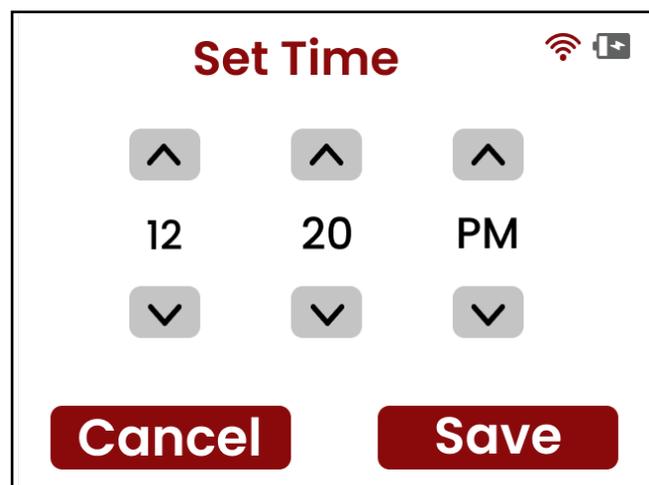
SYSTEM SETUP, CONT.

System Setup Screen Three

1. With the second **System** screen showing, press the **Down Arrow** button.

2. The display will change to the third **System** screen, with the screen displaying the following list of selections:

   - Allow Diagnostics – This allows Tech Support to log in and check the cart.
   - Autolock Timer – Set the time before the cart auto-locks the drawers.
   - Allow Autolock – This allows the cart to auto-lock when a drawer is left open.
   - Firmware Version – Displays the current cart software and Wi-Fi module versions.

Allow Diagnostics

With the third **System** screen displayed, touch the **Allow Diagnostics** switch symbol to enable or disable the cart's remote diagnostics feature. This function allows Tech Support to log in and check the cart. **NOTE:** The cart must be connected to the internet.
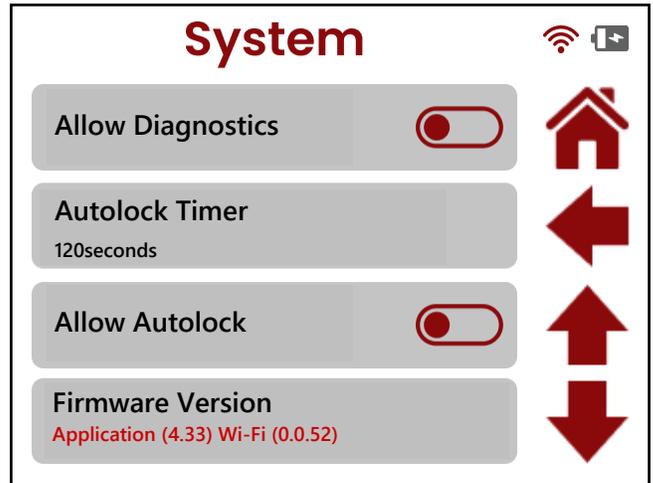
- **Enable Allow Diagnostics:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, indicating it is enabled.

- **Disable Allow Diagnostics:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating it is disabled.

Autolock Timer

The Autolock Timer specifies the amount of time before the cart auto-locks with a drawer left open. Note that the Autolock Timer will reset when the drawer is opened and closed.

1. With the third **System** screen showing, press the **Autolock Timer** selection. The display will change to show the numeric keypad with the current setting displayed.

2. Enter the number of seconds for the cart to auto-lock the drawers and press the ✓ on the top right corner of the screen to save the new setting. The display will return to the third **System** screen.

3. To cancel changing the setting, press the ✗ on the top left corner of the screen. The display will return to the third **System** screen.
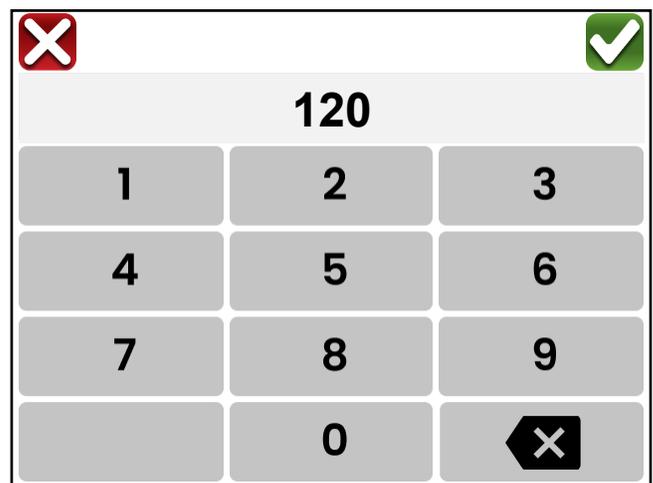
SYSTEM SETUP, CONT.

System Setup Screen Three, Cont.

Allow Autolock

With the third **System** screen showing, touch the **Allow Autolock** switch selection to enable or disable whether the cart will auto lock and then sound an alarm when a drawer is left open.

- **Enable Allow Autolock:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, indicating it is enabled.

- **Disable Allow Autolock:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating it is disabled.

Firmware Version

This displays the current version of the Application (cart software) and the Wi-Fi module firmware.

System Setup Screen Four

1. With the third **System** screen showing, press the **Down Arrow** button.

2. The display will change to the fourth **System** screen, with the screen displaying the following list of selections:

   - Card Reader Selection – Select the cart's type of RFID card reader.
   - Battery Information – Type of battery and percentage of battery capacity left.
   - WEB Access – Enable or disable the cart's Wireless Access Point (AP).
   - Send Diagnostics – Enable or disable the cart's diagnostic upload feature.
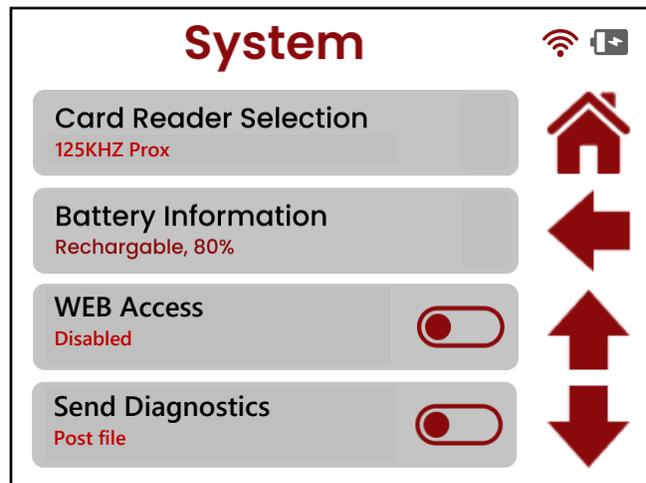
Card Reader Selection

This screen has selections to select the Card Reader RFID type. The available types are:

- 125kHz Prox – "LF" HID compatible and EM4001 cards
- MHz 14443 – "HF" Proximity Cards, ISO/IEC 14443 A/B
- 13.56 MHz 15693 – "HF" Vicinity Cards and Tags, ISO/IEC 15693

1. Press the selection corresponding to the type of RFID card the cart has.

2. The display will return to the fourth **System** screen.

SYSTEM SETUP, CONT.

System Setup Screen Four, Cont.

Battery Information

This displays the installed battery type and the remaining battery capacity as a percentage.

WEB Access

With the fourth **System** screen displayed, touch the **WEB Access** switch symbol to enable or disable the cart's Wireless Access Point (AP) feature. When enabled, the cart broadcasts its SSID (network name) for direct web-based access and configuration, accessible at **2.2.2.1**.

- **Enable WEB Access:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, indicating it is enabled.

- **Disable WEB Access:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating it is disabled.

Send Diagnostics

With the fourth **System** screen displayed, touch the **Send Diagnostics** switch symbol to enable or disable the cart's diagnostic upload feature. When enabled, the cart can upload its diagnostic file.

- **Enable Send Diagnostics:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, indicating it is enabled.

- **Disable Send Diagnostics:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating it is disabled.

1. When enabling **Send Diagnostics**, the screen will change to display the available diagnostic file names.

2. Press the selection with the desired file name to send.

3. The display will return to the fourth **System** screen.
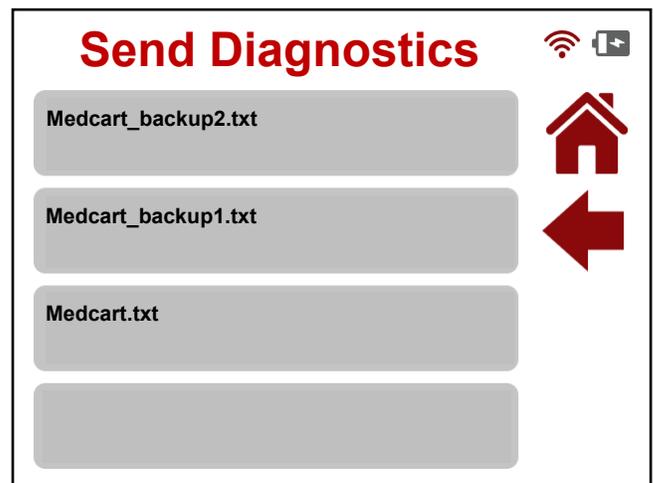
SYSTEM SETUP, CONT.
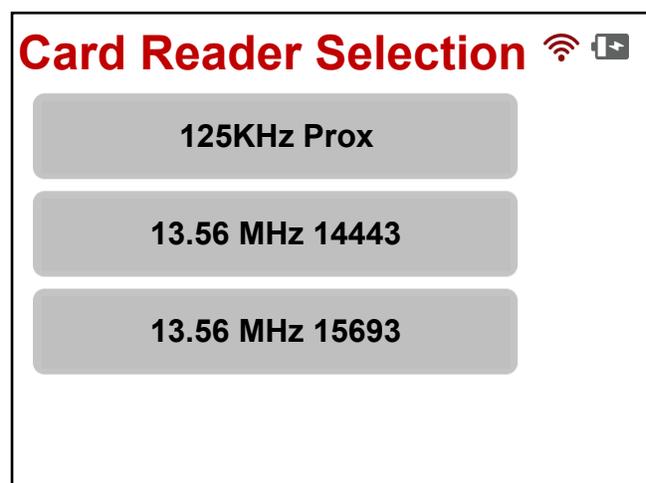
System Setup Screen Five

1. With the fourth **System** screen showing, press the **Down Arrow** button.

2. The display will change to the fifth **System** screen, with the screen displaying the following list of selections:

   - Low Battery Chirp – Enable or disable the chirp sound when the battery is low.

   - Connected to Server – Enable or disable the cart's connection to a server.

   - Audible Alarms – Enable or disable the cart alarms.

   - Silent Mode – Enable or disable ALL sounds produced by the cart.

Low Battery Chirp

With the fifth **System** screen showing, touch the **Low Battery Chirp** switch selection to enable or disable whether the cart will produce a chirping sound when the battery voltage is low.
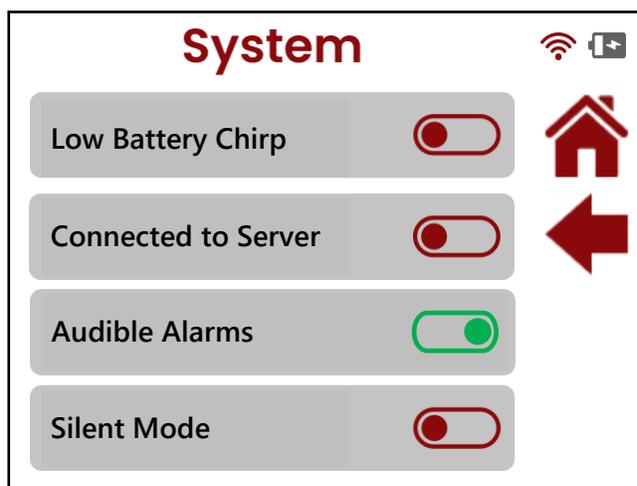
- **Enable Low Battery Chirp:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, indicating it is enabled.

- **Disable Low Battery Chirp:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating it is disabled.

Connected to Server

With the fifth **System** screen displayed, touch the **Connected to Server** switch selection to enable or disable the cart's connection to a server running the **DETECTO Medical Cart Administration** software.

- **Enable Connected to Server:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, indicating it is enabled.

- **Disable Connected to Server:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating it is disabled.

Audible Alarms

With the fifth **System** screen showing, touch the **Audible Alarms** switch selection to enable or disable whether the cart will sound the alarms.

- **Enable Audible Alarms:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, indicating it is enabled.

- **Disable Audible Alarms:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating it is disabled.

SYSTEM SETUP, CONT.

System Setup Screen Five, Cont.

Silent Mode

With the fifth **System** screen displayed, touch the **Silent Mode** switch selection to enable or disable cart sounds. When enabled, all sounds, including alarms and keypad beeps, are muted. When disabled, normal sound operation is restored.

- **Enable Silent Mode:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, indicating it is enabled.

- **Disable Silent Mode:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating it is disabled.

1. Press the **Left Arrow** to return to the previous screen, **System Screen Four**.
2. Press the **Left Arrow** four (4) more times to return to **Main Menu Screen One**.
3. Press the **HOME** button to return to the **Admin Main Menu** screen.

SERVER SETUP

Main Menu Screen Two

1. On the **Main Menu** screen, press the **Down Arrow**.

2. The display will change to the second **Main Menu** screen, with the screen displaying the following list of selections:

   - SERVER
   - NETWORK
   - CALIBRATION
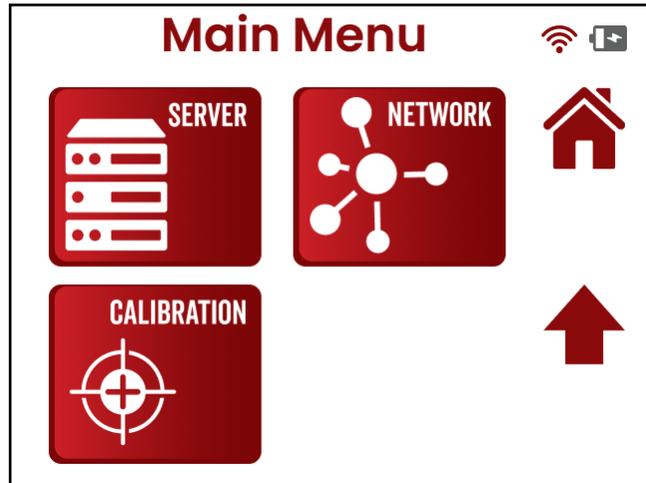
SERVER

1. On the second **Main Menu** screen, press the **SERVER** selection. The display will change to the first **Server** screen, displaying the following list of selections:

   - API URL
   - API Password
   - Last Sync Time
   - Sync Status
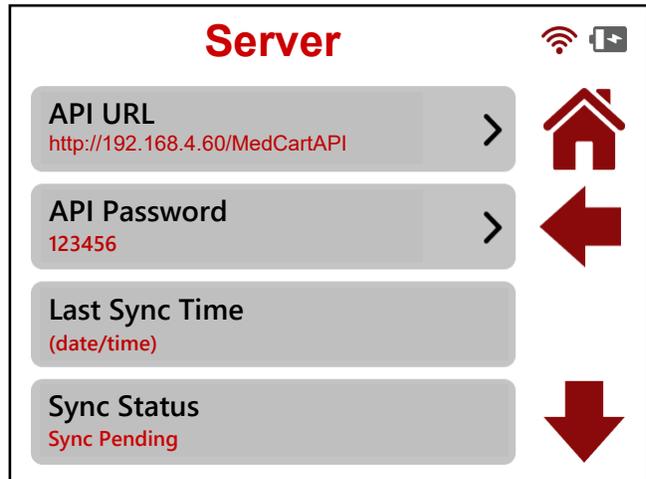
Server Setup Screen One
API URL

This selection specifies the server endpoint (web address) the cart uses to communicate with the API for data synchronization and system integration.

1. With the first **Server** screen displayed, press the **API URL** selection.

2. The display will change to the Server API input screen.

3. Enter the IP address of the Server, then press the ☑ in the upper right corner of the display to save it.

4. The display will return to the first **SERVER** screen.
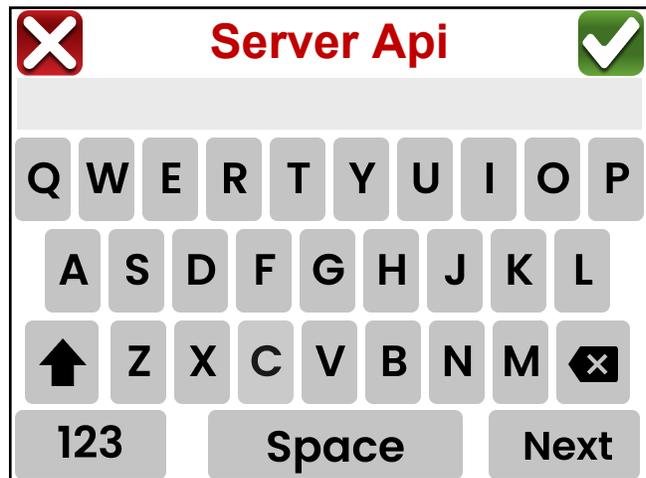
SERVER SETUP, CONT.

Server Setup Screen One, Cont.

API Password

This selection specifies the password used to authenticate the cart when communicating with the server through the API, ensuring secure data exchange.

1. With the first **Server** screen displayed, press the **API Password** selection.

2. The display will change to the Server Pass (password) input screen.

3. Enter the password that was assigned by the Server, then press the ☑ in the upper right corner of the display to save it.

4. The display will return to the first **SERVER** screen.
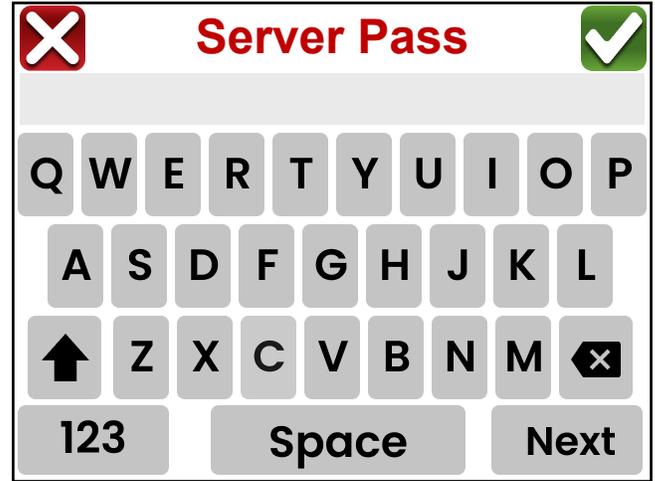
Last Sync Time

This displays the most recent date and time the cart successfully synchronized with the server.

Sync Status

This indicates the current state of communication between the cart and the server, such as whether synchronization is pending, in progress, completed successfully, or has failed.

SERVER SETUP, CONT.

Server Setup Screen Two

1. With the first **Server** screen showing, press the **Down Arrow** button.

2. The display will change to the fifth **System** screen, with the screen displaying the following list of selections:
   - Next sync time
   - MAC Address
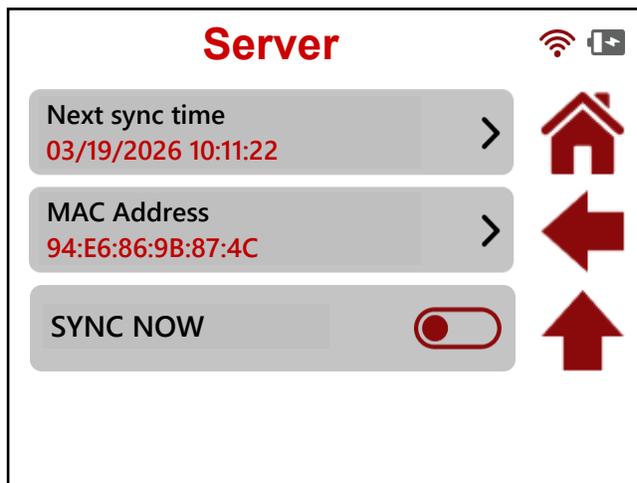   - SYNC NOW

Next Sync Time

This displays the scheduled date and time for the next automatic synchronization between the cart and the server.

MAC Address

This displays the unique hardware identifier assigned to the cart's network interface, used to identify it on a network.

SYNC NOW

With the second **Server** screen displayed, touch the **SYNC NOW** switch selection to initiate an immediate synchronization between the cart and the server, overriding the scheduled sync interval.

- **Initiate Immediate Synchronization:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, to initiate an immediate synchronization between the cart and the server.

- **Use Scheduled Synchronization:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating the scheduled synchronization interval between the cart and the server will be performed.

4. Press the **Left Arrow** to return to the previous screen, **Server Setup Screen One**.

5. Press the **Left Arrow** again to return to **Main Menu Screen Two**.

6. Press the **HOME** button to return to the **Admin Main Menu** screen.

NETWORK SETUP

Main Menu Screen Two
NETWORK

1. On the second **Main Menu** screen, select **NETWORK**. The display changes to the first **Network** screen, showing the following list of selections:

   - Wi-Fi Network – Displays the SSID of the wireless network the cart is connected to.
   - Set Wi-Fi Password – Allows you to enter or update the Wi-Fi password.
   - IP Assignment – Indicates how the cart obtains its IP address (DHCP or Static).
   - IP Address – Displays the current IP address assigned to the cart.
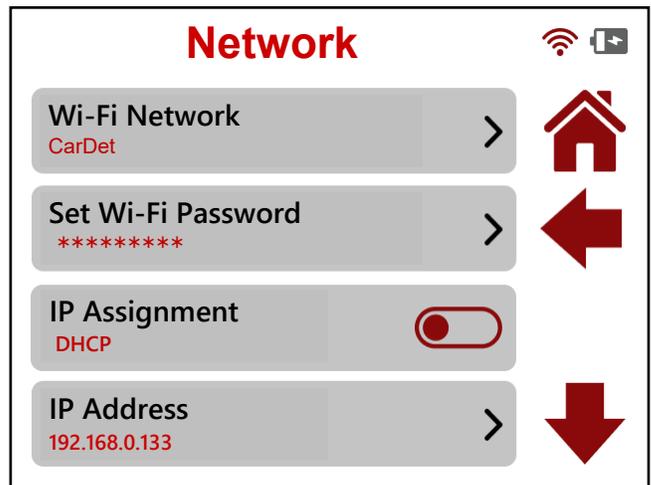
Network Setup Screen One
Wi-Fi Network

This displays the SSIDs of detected Wi-Fi networks, along with an option to manually enter a specific network.

1. With the first **Network** screen displayed, press the **Wi-Fi Network** selection.

2. The display will change to show a list of detected Wi-Fi networks, along with a manual entry option (**Add Network**) to input a specific network SSID.

3. With the detected Wi-Fi network SSIDs displayed, select the SSID of the network to connect to. The display will then return to the first Network screen.

4. Otherwise, press the **Add Network** selection. The display will change to the Wi-Fi Network input screen.

5. Enter the SSID of the Wi-Fi Network, then press the ✔ in the upper right corner of the display to save it. Press the shift (⬆) key before selecting the letter to toggle between upper and lower case letters for the SSID.

6. The display will then return to the first Network screen.
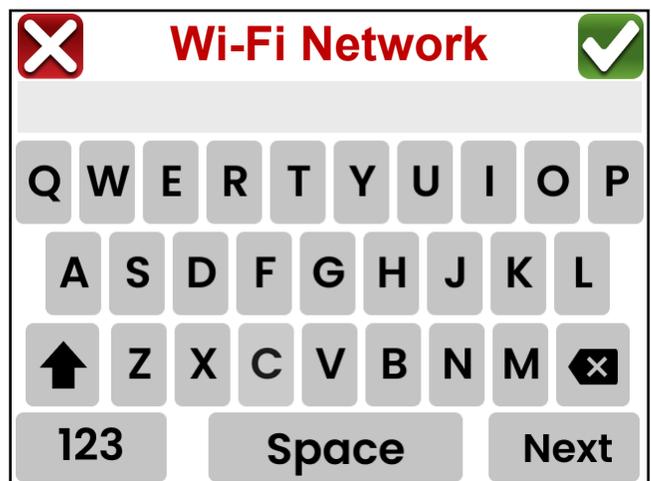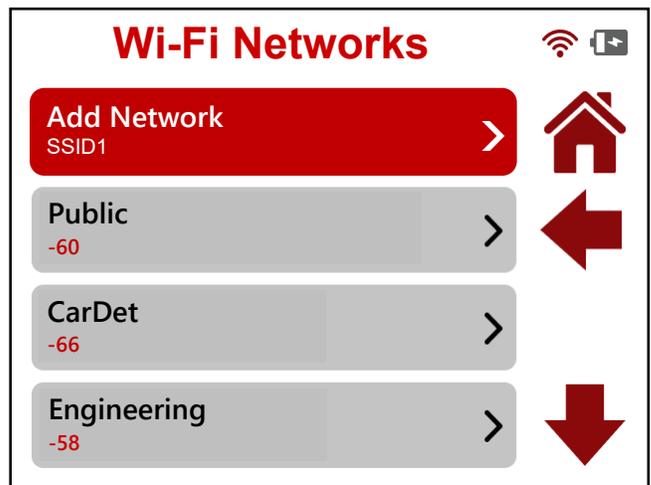
NETWORK SETUP, CONT.

Network Setup Screen One

Set Wi-Fi Password

This selection specifies the password used to authenticate the cart when communicating with the selected Wi-Fi network.

1. With the first **Network** screen displayed, press the **Wi-Fi Password** selection.

2. The display will change to the Wi-Fi Password input screen.

3. Enter the Wi-Fi password, then press the ☑ in the upper right corner of the display to save it.

    -   Press the shift (⬆) key before selecting the letter to toggle between upper and lower case letters for the password.

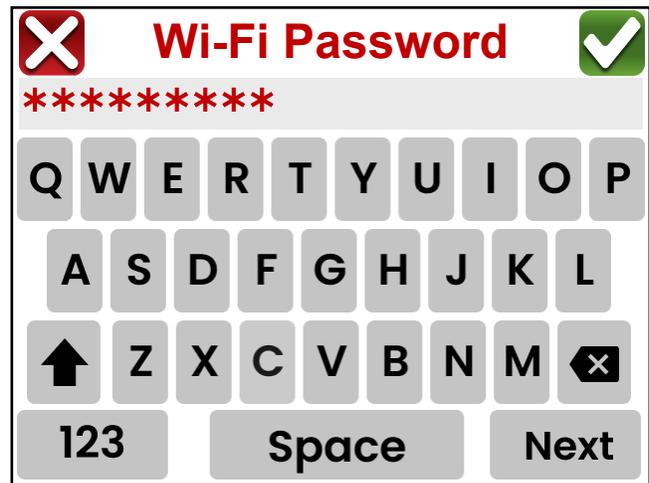   -   Press the 123 numeric key to toggle the screen to the numeric/symbol input screen.

    ⚠ **IMPORTANT!** Note that each password character is briefly displayed as it is entered, then immediately masked with a"✳" to maintain security.

4. The display will return to the first **Network** screen.

IP Assignment (DHCP)

With the first **Network** screen displayed, touch the **IP Assignment (DHCP)** switch selection to specify how the cart obtains its IP address. When enabled, the cart will use a Dynamic IP Address assigned by a DHCP server. When disabled, the cart will use a Static IP Address assigned by your network administrator and manually entered.

Consult with your network administrator for the proper selection.

-   **Enable DHCP:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, indicating it is enabled.

-   **Disable DHCP:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating it is disabled.

NETWORK SETUP, CONT.

Network Setup Screen One, Cont.

IP Address

This displays the current IP address assigned to the cart for network communication. The IP Address displayed is dependent on the setting for **IP Assignment (DHCP)** selection.

- If the **IP Assignment (DHCP)** is green, "Enabled", the IP Address shown has been assigned by the DHCP server and cannot be modified.

- If the **IP Assignment (DHCP)** is red, "Disabled", the IP Address selection will be accessible and can be modified.

IP Assignment (DHCP) is green, "Enabled"

When the **IP Assignment (DHCP)** is green, "Enabled", the IP Address shown has been assigned by the DHCP server and cannot be modified.

IP Assignment (DHCP) is red, "Disabled"

When the **IP Assignment (DHCP)** is red, "Disabled", the IP address will be a static IP address that has been assigned by the Network Administrator and manually entered.

1. With the first **Network** screen displayed, press the **IP Address** selection.

2. The display will change to the IP Address input screen.

3. Press the ⬜ 123 numeric key to toggle the screen to the numeric input screen.

4. Enter the **IP Address** for the cart assigned by the Network Administrator, then press the ✅ in the upper right corner of the display to save it.

    NOTE: The format for the IP Address is ### . ### . ### . ### (e.g., 192.168.0.133).

    ⚠ **IMPORTANT! No other device on the network should have this IP Address!**

5. The display will return to the first **Network** screen.
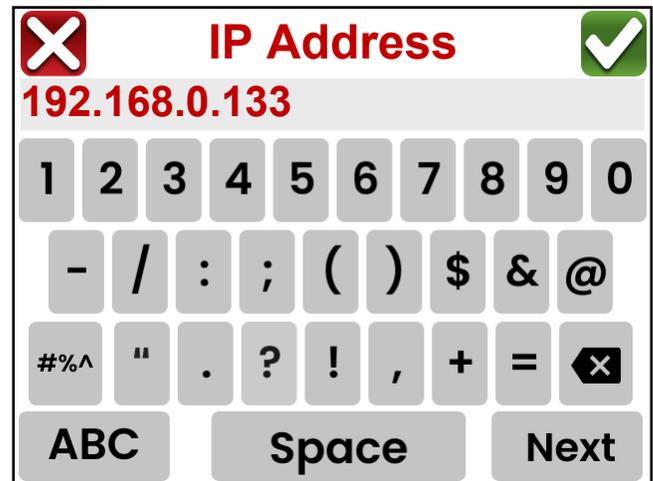
NETWORK SETUP, CONT.

Network Setup Screen Two

1. With the first **Network** screen showing, press the **Down Arrow** button.

2. The display will change to the second **Network** screen, with the screen displaying the following list of selections:

   - Subnet Mask – For the cart, the Subnet Mask determines which devices are considered local and how network communication is handled.

   - Gateway – For the cart, the Gateway Address identifies the router used to access external networks.

   - Daily Connection Refresh – Specifies the time of day (3 am local time) when the cart will reset and re-establish its network connection to help maintain reliable connectivity.

Subnet Mask and Gateway

The settings for the following selections: **Subnet Mask** and **Gateway** address are dependent on the setting for **IP Assignment (DHCP)** selection.

- If the **IP Assignment (DHCP)** is green, "Enabled", the **Subnet Mask** and the **Gateway** address shown have been assigned by the DHCP server and cannot be modified.

- If the **IP Assignment (DHCP)** is red, "Disabled", the **Subnet Mask** and **Gateway** address selection will be accessible and can be modified.
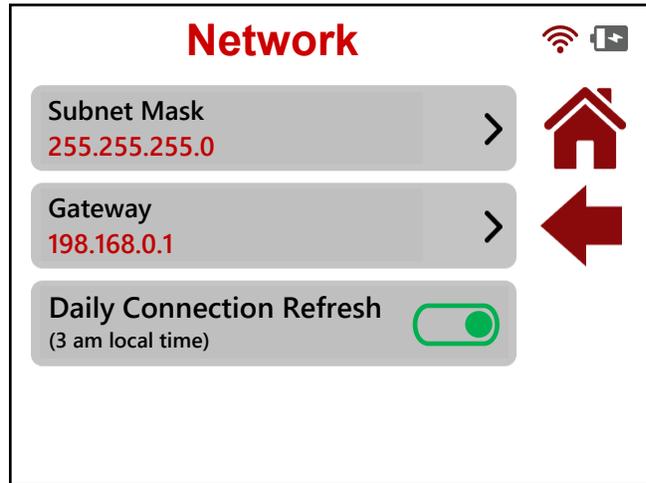
Subnet Mask

1. With the second **Network** screen displayed, press the **Subnet Mask** selection.

2. The display will change to the **Subnet Mask** input screen.

3. Press the 123 numeric key to toggle the screen to the numeric input screen.

4. Enter the **Subnet Mask** for the cart assigned by the Network Administrator, then press the ✔ in the upper right corner of the display to save it.

   NOTE: The format for the **Subnet Mask** is ### . ### . ### . ### (e.g., 255.255.255.0).

5. The display will return to the second **Network** screen.
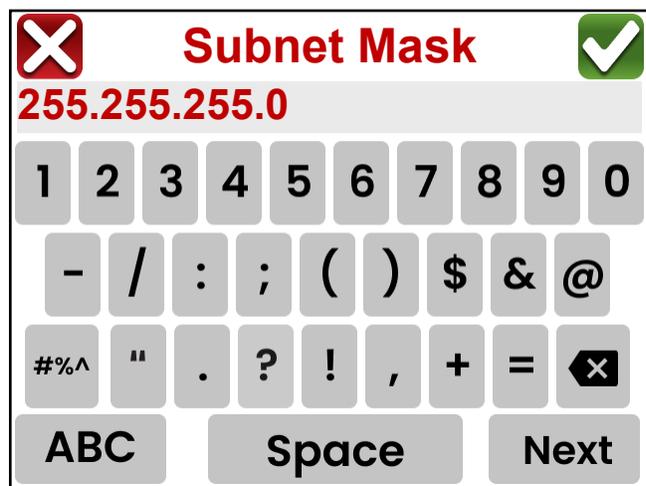
NETWORK SETUP, CONT.

Network Setup Screen Two, Cont.

Gateway

1. With the second **Network** screen displayed, press the **Gateway** selection.

2. The display will change to the **Gateway** input screen.

3. Press the 123 numeric key to toggle the screen to the numeric input screen.

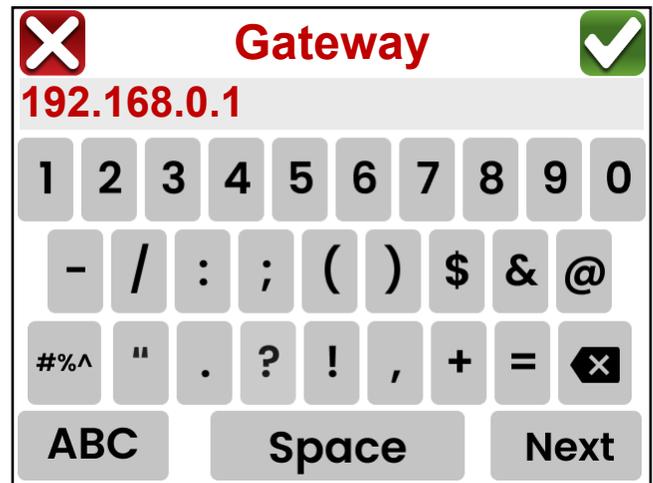4. Enter the **Gateway** for the cart assigned by the Network Administrator, then press the ☑ in the upper right corner of the display to save it.

   NOTE: The format for the **Gateway** is ### . ### . ### . ### (e.g., 192.168.0.1).

5. The display will return to the second **Network** screen.

Daily Connection Refresh (3 am local time)

The Daily Connection Refresh is a feature that automatically resets the cart's network connection once per day. This helps maintain a stable and reliable connection by clearing temporary network issues, refreshing the IP address if needed, and re-establishing communication with the network.

NOTE: This feature is fixed at 3:00 AM (local time) and cannot be modified. It can only be enabled or disabled.

- **Enable Daily Connection Refresh:** If the switch symbol is red and to the left, touching it will turn it green and move it to the right, indicating it is enabled.

- **Disable Daily Connection Refresh:** If the switch symbol is green and to the right, touching it will turn it red and move it to the left, indicating it is disabled.

1. Press the **Left Arrow** to return to the previous screen, **Network Setup Screen One**.

2. Press the **Left Arrow** again to return to **Main Menu Screen Two**.

3. Press the **HOME** button to return to the **Admin Main Menu** screen.

SCREEN CALIBRATION

Main Menu Screen Two, Cont.

1. On the **Main Menu** screen, press the **Down Arrow**.

2. The display will change to the second **Main Menu** screen, with the screen displaying the following list of selections.

   - SERVER
   - NETWORK
   - CALIBRATION

CALIBRATION

1. With the second **Main Menu** screen displayed, press the **CALIBRATION** selection.

2. The display will change to the calibration screen with a Dot displayed in the upper right corner and a prompt displaying "Hold Retracted Pen on Dot During Countdown".
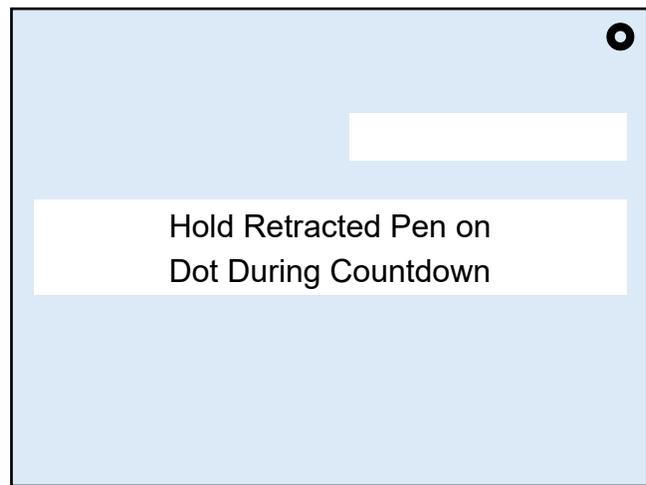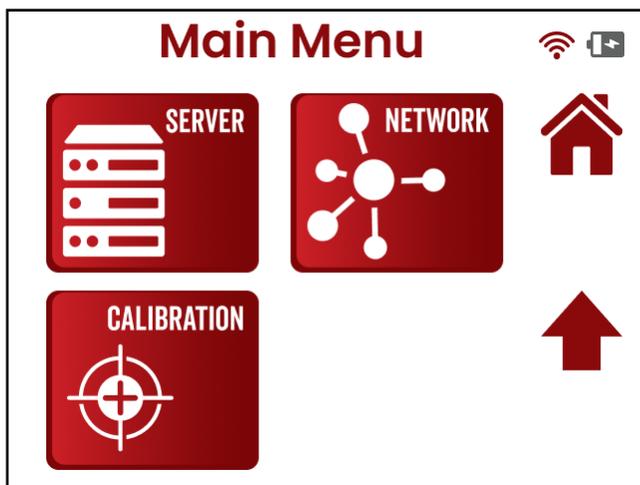
3. Place a retracted pen on the dot in the upper right corner of the screen. Hold the pen in place until the **counter =0**.

4. The dot will move to the lower left corner of the screen.

5. Place the retracted pen on the dot and hold it there until the **counter =0**.

6. The dot will move to the lower right corner of the screen.

7. Place the retracted pen on the dot and hold it there until the **counter =0**.

8. When the counter reaches 0, the screen will briefly display **Saving Touch Calibration…**, followed by **Cart Locking**, and then transition to the **Enter PIN/Scan RFID** screen.

DISINFECTING YOUR MEDICAL CART

Cleaning versus Disinfecting

The first thing to remember is that cleaning is different from disinfecting. By cleaning, germs and dirt are removed from surfaces, but germs are not killed. Removing them only decreases the number of germs and helps to reduce the risk of spreading infections.

On the other hand, by disinfecting your medical cart, you kill viruses and bacteria on surfaces by using chemical products. This process does not necessarily clean dirty surfaces. Killing viruses and bacteria on the surface after cleaning has been done can further decrease the risk of spreading infectious diseases.

With this in mind, you need to conduct regular cleaning of your medical cart, and then disinfect it using an appropriate disinfecting product for the type of surface.

CAUTION: When cleaning and disinfecting, individuals should wear disposable gloves compatible with the products being used, as well as any other PPE required according to the cleaning and disinfecting product manufacturer's instructions.

For Frequently Touched Surfaces

For frequently touched surfaces, such as the touch screen, push handle, and drawer handles, remove visible dirt, then disinfect using alcohol-based wipes containing Isopropanol (Isopropyl Alcohol) 70/30 IPA.

For Hard Non-Porous Surfaces

For hard non-porous surfaces such as the cart body, drawer front, and ABS countertop, clean with a mild detergent or soap and water if the surfaces are visibly dirty, before disinfectant application.

- After cleaning, use any of the products contained on the EPA's **List L** (disinfectants for products to use against the Ebola Virus), **List N** (disinfectants for Coronavirus (COVID-19), **List P** (disinfectant products for claims against Candida auris), **List Q** (disinfectants for Emerging Viral Pathogens), or **List S** (Registered Antimicrobial Products Effective Against Bloodborne Pathogens: Human Immunodeficiency Virus (HIV), Hepatitis B and Hepatitis C) that are suitable for hard non-porous surfaces. Follow the manufacturer's instructions for concentration, application method, and contact time for all cleaning and disinfection products. Click on the links below to proceed to the EPA's websites to search and view the lists.

List L: Disinfectants for Use Against the Ebola Virus

List N: Disinfectants for Coronavirus (COVID-19)

List P: Disinfectant Products for Claims Against Candida auris

List Q: Disinfectants for Emerging Viral Pathogens (EVPs)

List S: (Registered Antimicrobial products Effective Against Bloodborne Pathogens: Human Immunodeficiency Virus (HIV), Hepatitis B, and Hepatitis C)

DISINFECTING YOUR MEDICAL CART

For Hard Non-Porous Surfaces, Cont.

- Diluted household bleach solutions (prepared according to the manufacturer's label for disinfection), if appropriate for the surface. Follow the manufacturer's instructions for application and proper ventilation. Make sure the product is not past its expiration date.

⚠️ ***IMPORTANT! Never mix household bleach with ammonia or any other cleaner!***

- Disinfect with wipes that contain Isopropanol (Isopropyl Alcohol) 70/30 IPA.

For Soft or Porous Surfaces

For soft or porous surfaces, such as the straps on the Oxygen tank holder and defibrillator shelf, clean them with the appropriate cleaners indicated for use on these surfaces.

- After cleaning, use any of the products contained in the EPA's List L, List N, List Q, or List S that are suitable for porous surfaces. Follow the manufacturer's instructions for concentration, application method, and contact time for all cleaning and disinfection products. Click on the links above in the **For Hard Non-Porous Surfaces** paragraph to view the lists.

- Disinfect with wipes that contain Isopropanol (Isopropyl Alcohol) 70/30 IPA.

DETECTO MEDICAL CARTS
STATEMENT OF LIMITED WARRANTY

DETECTO warrants its Medical Carts and Cart Accessories to be free from defects in material and workmanship as follows:

DETECTO warrants to the original purchaser only that it will repair or replace any part of the medical cart which is defective in material or workmanship for a period of **twelve (12) years from date of shipment**. Medical cart accessories (such as IV poles, waste bins, catheter holders, bin organizers, etc.) are warranted for a period of **two (2) years from the date of shipment.**

DETECTO shall be the sole judge of what constitutes a defect.

During the first ninety (90) days, DETECTO may choose to replace the product at no charge to the buyer upon inspection of the returned item.

After the first ninety (90) days, upon inspection of the returned item, DETECTO will repair or replace it with a refurbished product. The customer is responsible for paying for the freight both ways.

This warranty does not include replacement of expendable or consumable parts, or parts which have deteriorated or been damaged due to wear including but not limited to plastic parts such as tops, drawer rollers and slides, wheels, locks and hinges. Nor does it apply to damage caused by accident, misuse, abuse, overloading, theft, lightning, fire, water or acts of God, or due to extended storage or exposure.

This warranty does not apply to normal maintenance service, which is the responsibility of the purchaser.

DETECTO may require the product to be returned to the factory; item(s) must be properly packed and shipping charges prepaid. A Return Authorization number must be obtained for all returns and marked on the outside of all returned packages. DETECTO accepts no responsibility for items lost or damaged in transit, received without prior authorization or without proper markings and documentation.

Conditions Which Void Limited Warranty

This warranty shall not apply to equipment which:
  A.) Has not been properly assembled.
  B.) Has been tampered with, defaced, mishandled or has had repairs and modifications not authorized by DETECTO.
  C.) Has had serial number altered, defaced, or removed.

Freight Carrier Damage

Claims for equipment damaged in transit must be referred to the freight carrier in accordance with freight carrier regulations.

This warranty sets forth the extent of our liability for breach of any warranty or deficiency in connection with the sale or use of the product. DETECTO will not be liable for incidental or consequential damages of any nature arising from the use of any DETECTO product, defective or not, including but not limited to, loss of profit, delays or expenses, whether based on tort or contract. DETECTO reserves the right to incorporate improvements in material and design without notice and is not obligated to incorporate improvements in equipment previously manufactured.

The foregoing is in lieu of all other warranties, express or implied including any warranty that extends beyond the description of the product including any warranty of merchantability or fitness for a particular purpose. This warranty covers only those DETECTO products installed in the forty-eight (48) contiguous continental United States.

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