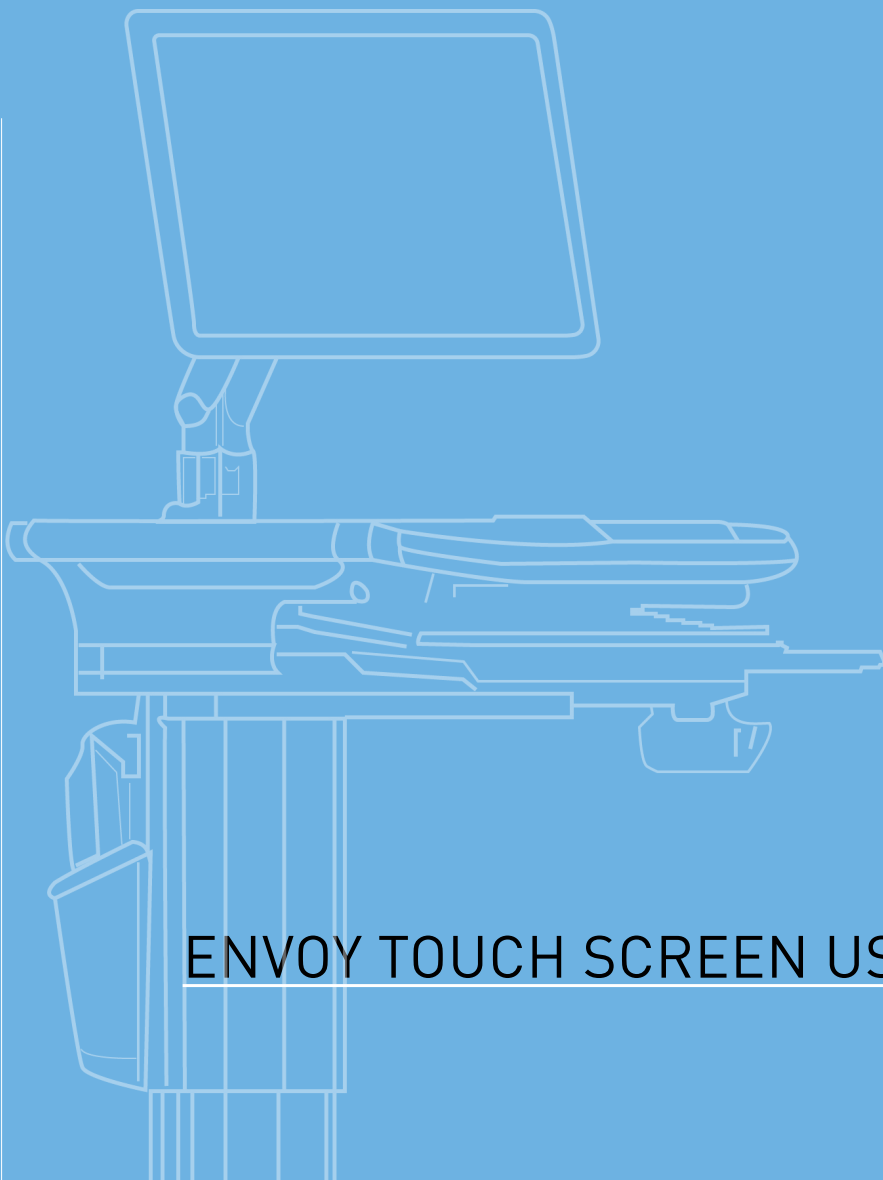


# ENVOY SOFTWARE USER GUIDE

Version 12.09.22

# Contents

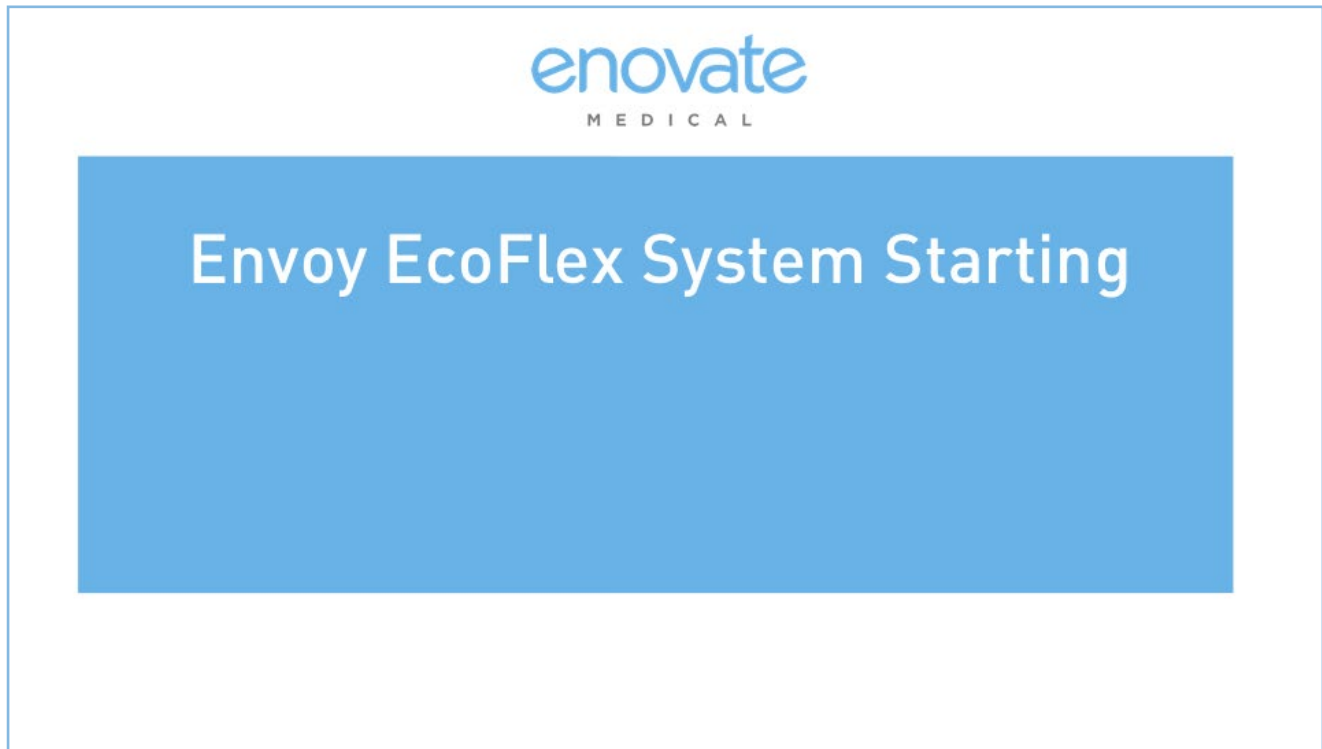
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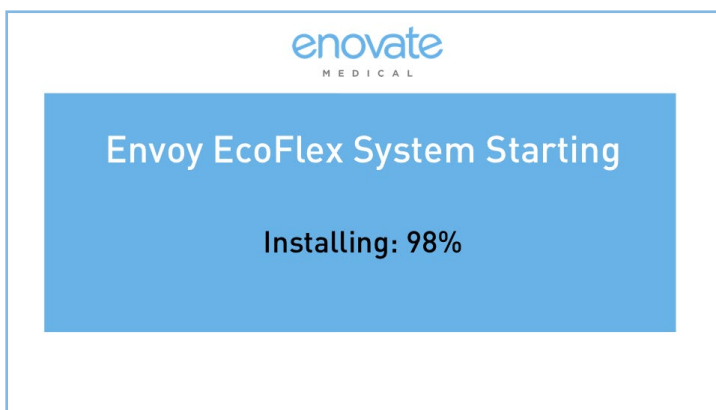
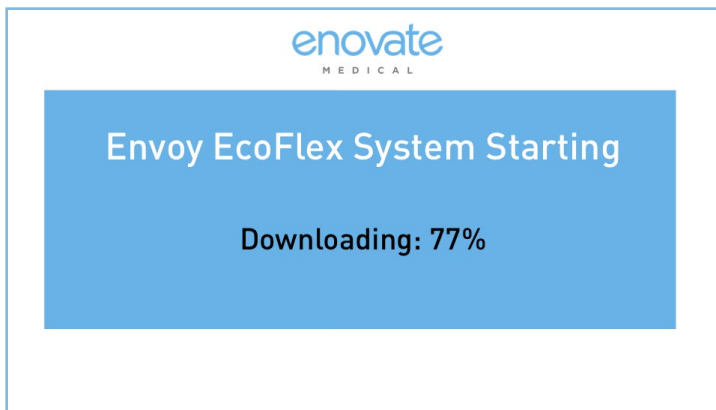
# 01

## ENVOY TOUCH SCREEN USER INTERFACE

As the Envoy is powering on, you will see the following screen:



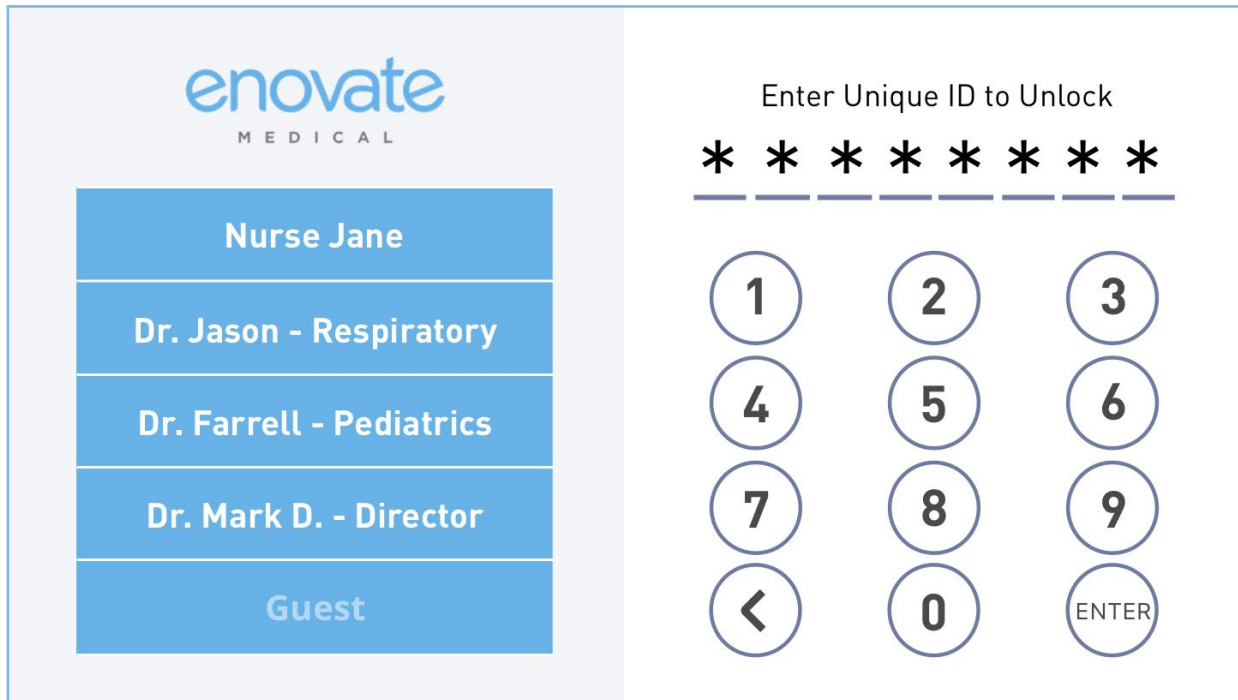
If an update is being processed, you may see one of the following screens:



## POWER ON SPLASH SCREEN



## ← LOGGING IN TO THE WORKSTATION



There are 3 ways to log into the workstation:

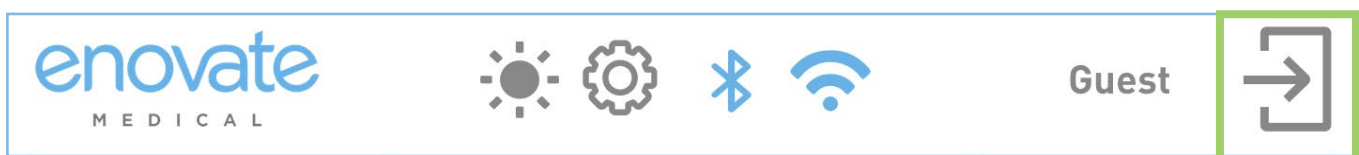
1. Using your Key FOB
  - a. Ensure your Key FOB is powered on.
  - b. Select your name from the list when it appears.
2. Enter your 4-8 digit Unique ID
3. You can also sign in as a "Guest", by selecting Guest from the list of users.

The default Admin code is: **9876**

The default Guest code is: **1234**

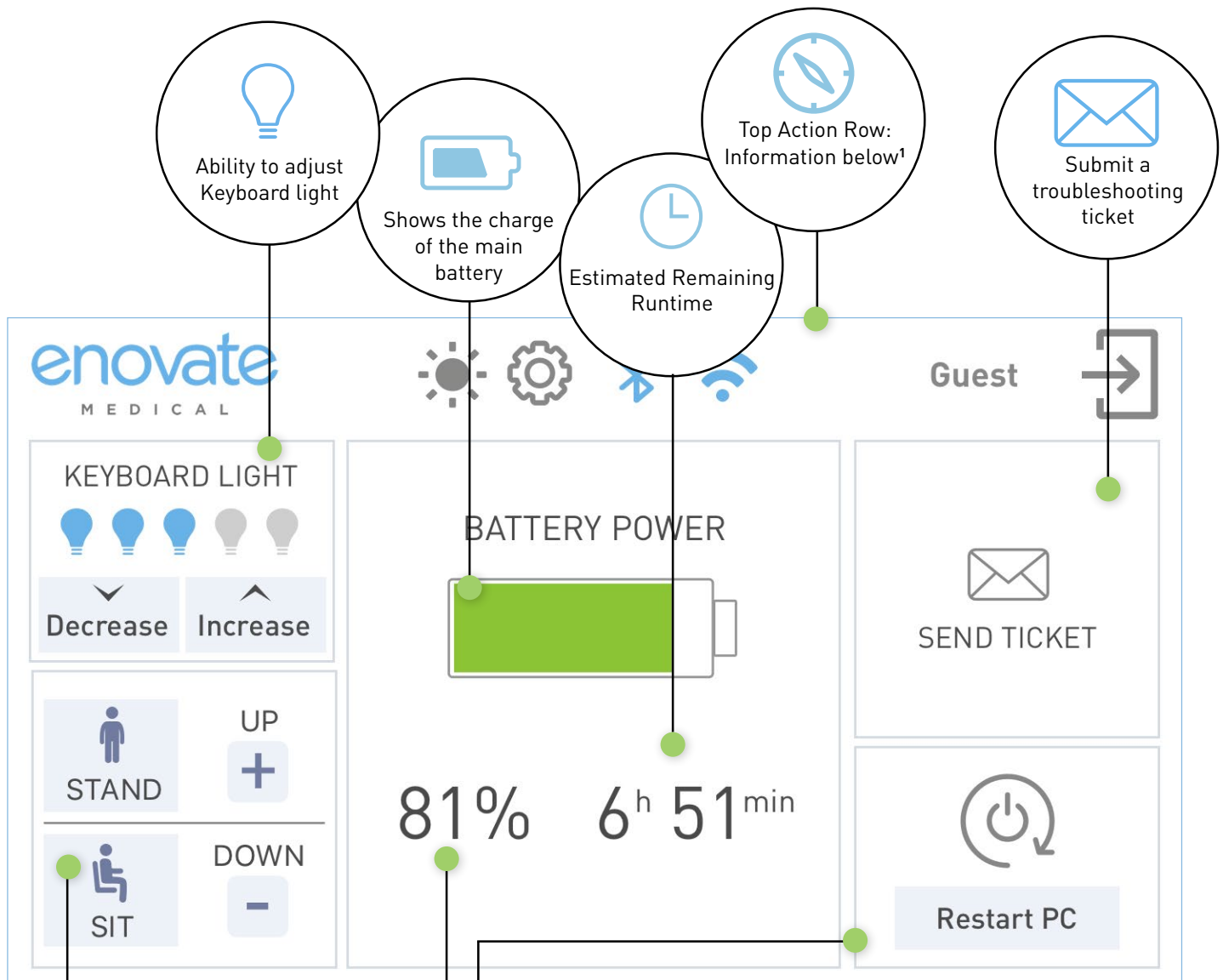
\*Administrators can access advanced user management tools from within Rhythm (*fee-based*).

## → LOGGING OUT OF THE WORKSTATION



Click the exit button in the top right corner of the display. This will logout the current user and return to the login screen.

## HOME SCREEN DETAILED VIEW



### Clicking on the top row icons:



**User Info:** Click on the nurse's name to view their profile.



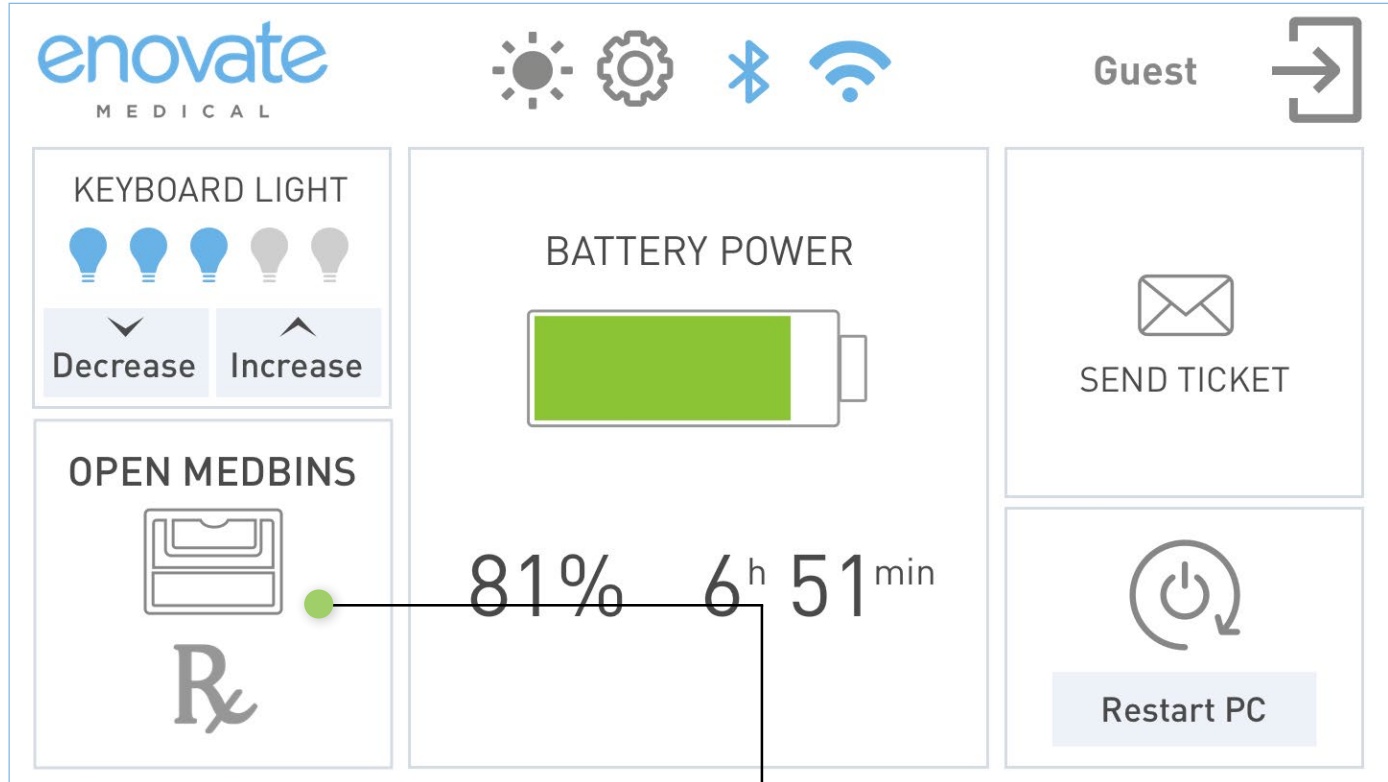
**Settings icon:** Clicking on the gear will take users to the settings menu.



**Log Out:** Click to log out of the system

\* Please note: this section is replaced with the med bin

## WORKSTATIONS WITH MEDICAL BINS



If your workstation has medication bins, your display will include a "med bin" icon.



## HOME SCREEN DETAILS



Restart PC



### RESTART PC

Turns on and off the PC and monitor

This button will power off the PC and monitor, then power them on again. Your PC must be set to power on automatically for this feature to work successfully.

### KEYBOARD LIGHT



Decrease

Increase



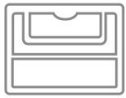
### KEYBOARD LIGHT

Changes the brightness of the keyboard.

To increase the brightness of the keyboard light, press the **Increase** button.

To decrease the brightness of the keyboard light, press the **Decrease** button.

### OPEN MEDBINS



### MEDICATION BINS

(Optional Workstation Feature)

If the workstation is equipped with medication bins, this button is used to access the controls for the medication bins.



STAND

UP



SIT

DOWN



### WORKSTATION HEIGHT ADJUSTMENT

Changes the height of the workstation.

Click **STAND** or **SIT** to automatically adjust the workstation to a preset height. Manually adjust the height of the workstation by using the **UP** and **DOWN** buttons.

*If the workstation is equipped with medication bins, height can be adjusted using the membranes on the column.*



HOME



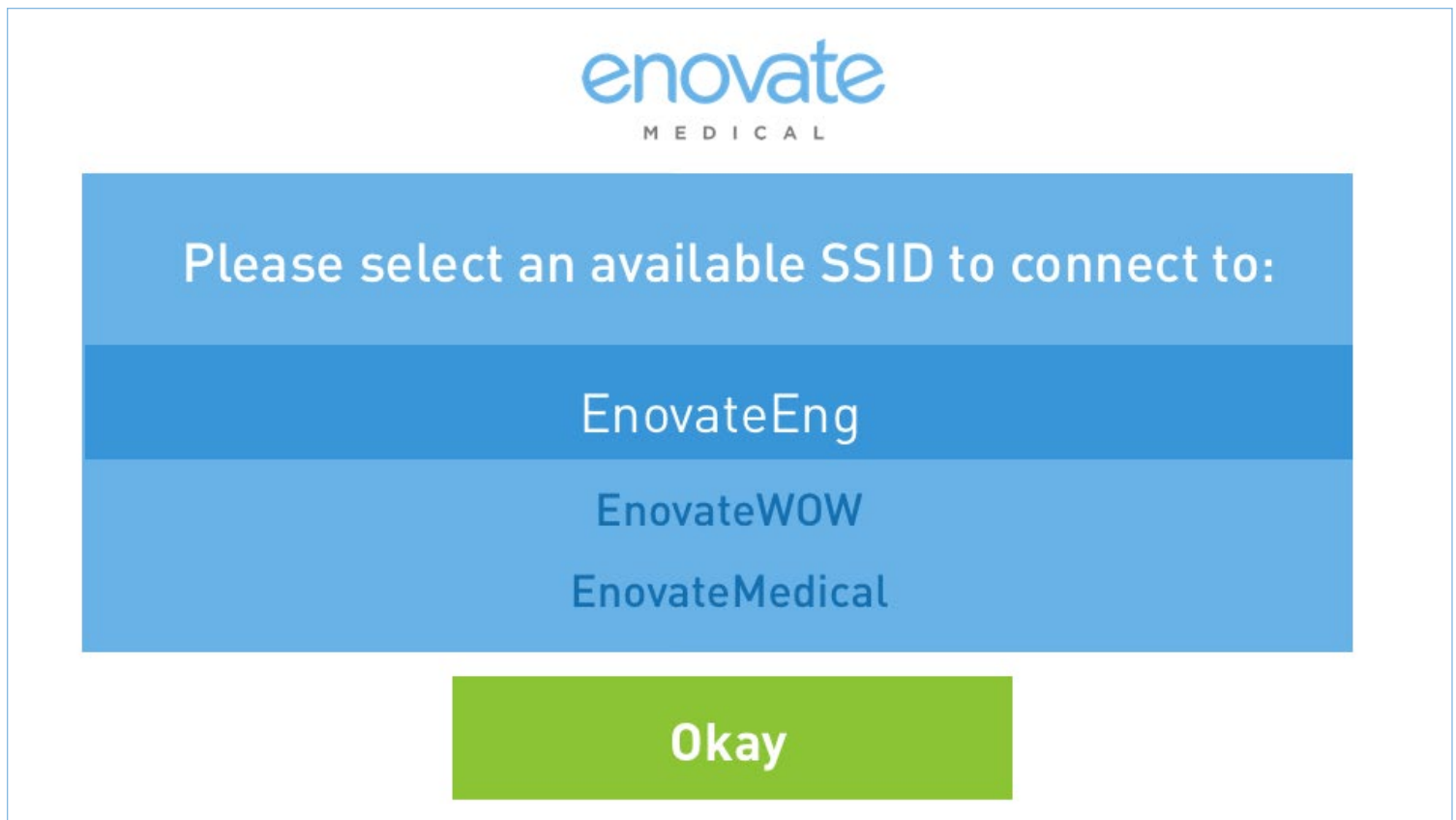
### HOME BUTTON

Returns Users to the home screen



## WIFI

Pressing the Wifi symbol on the home screen will show a list of available networks (networks that have been linked and are currently in range). Select a network and press “Okay” to connect.



For information on linking new networks, see Network Management (page 34).

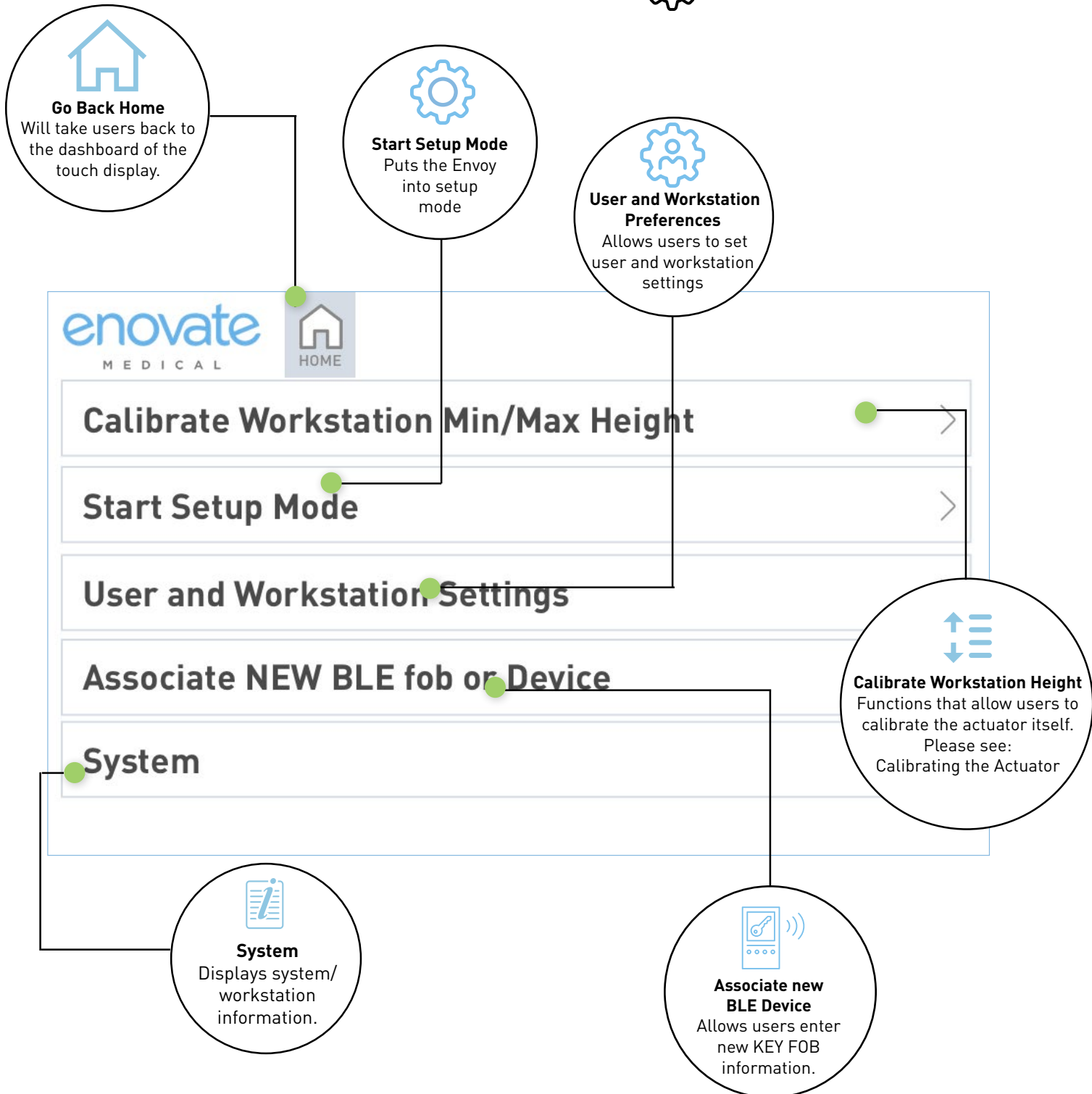


## STOP WORKSTATION MOVEMENT



To stop the movement of the workstation during “Sit” or “Stand”, press the “STOP Workstation Movement” sign on the display.

## SYSTEM SETTINGS



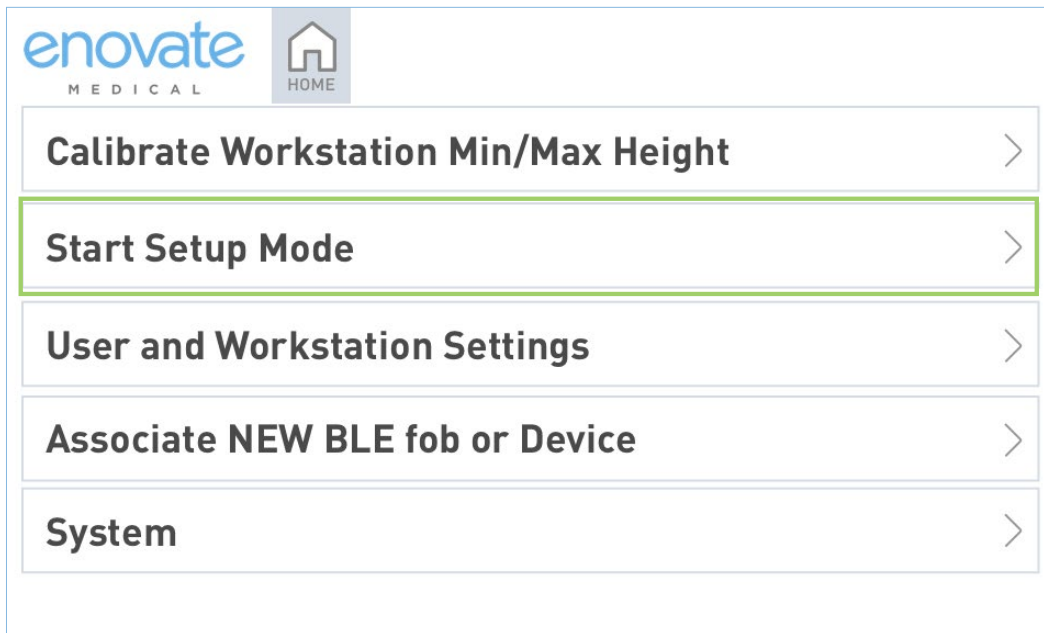


## SYSTEM SETUP MODE

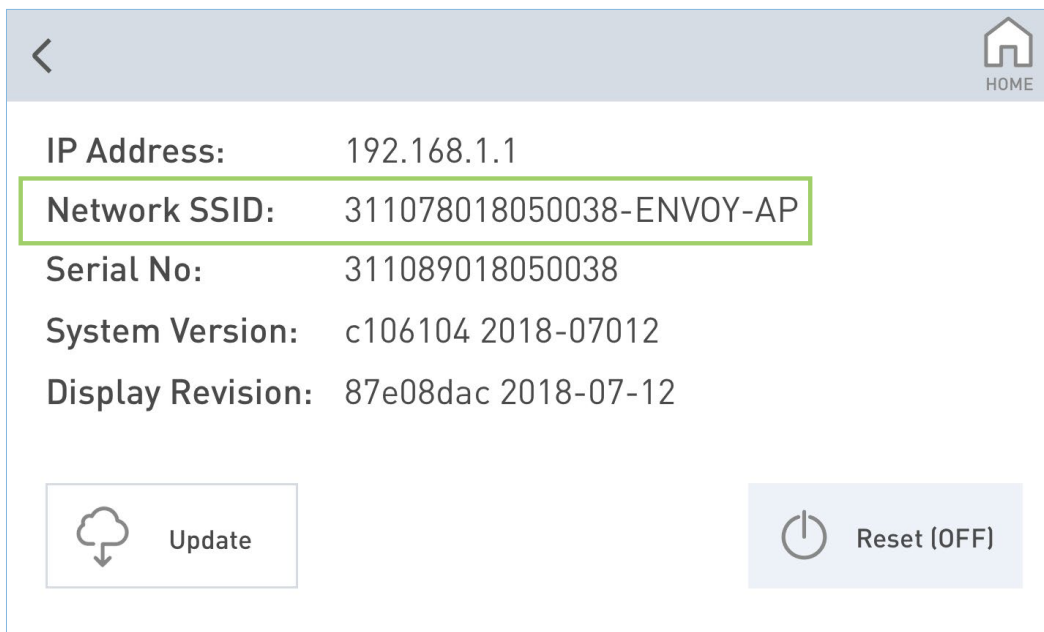
CONFIGURE ENVOY DIRECTLY FROM A PC

System Setup Mode will allow an administrator to configure an Envoy directly from a PC over Wi-Fi (similar to an Amazon Echo device).

1. To enter Setup Mode, select “Start Setup Mode” from the Settings Menu of the Envoy workstation. The Envoy will end setup and resume normal function automatically after 5 minutes of inactivity.



2. After selecting Start Setup Mode, click on “System” to view the SSID workstation

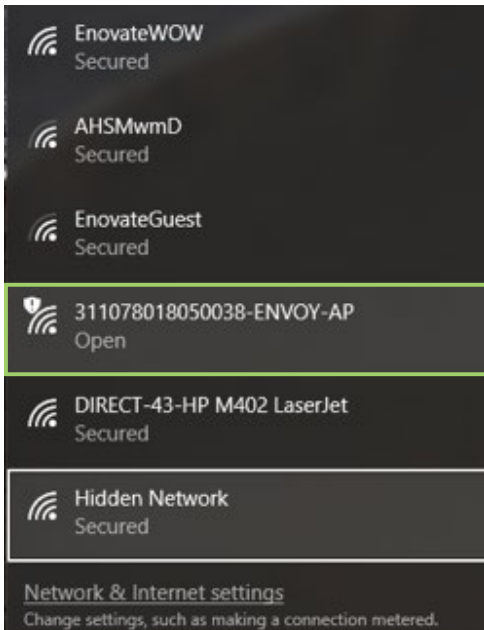




## SYSTEM SETUP MODE (CONT'D)

Configure Envoy directly from a PC

3. On your wireless PC, open the Wi-Fi connection manager and find the SSID of the Envoy.  
[NOTE: The SSID of the workstation will begin with the workstation's serial number]



4. After your PC is connected to the Envoy, open the Envoy Control Desktop App.

4. After logging in, enter 192.168.1.1 into the Device Serial Number box, then click connect.

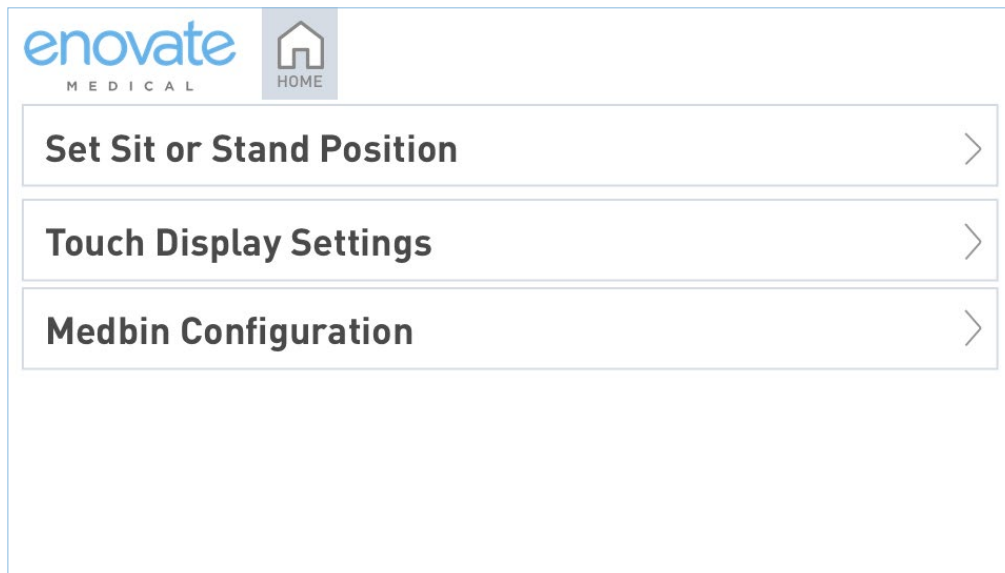


## USER AND WORKSTATION PREFERENCES

**Set Sit or Stand Position** – Allows users to personalize the sit and/or stand height of the workstation.

**Touch Display Settings** – Allows users to configure the settings for the Touch Display

**MedBin Configuration** – Provides access to configure the layout and settings for workstations equipped with medication bins.

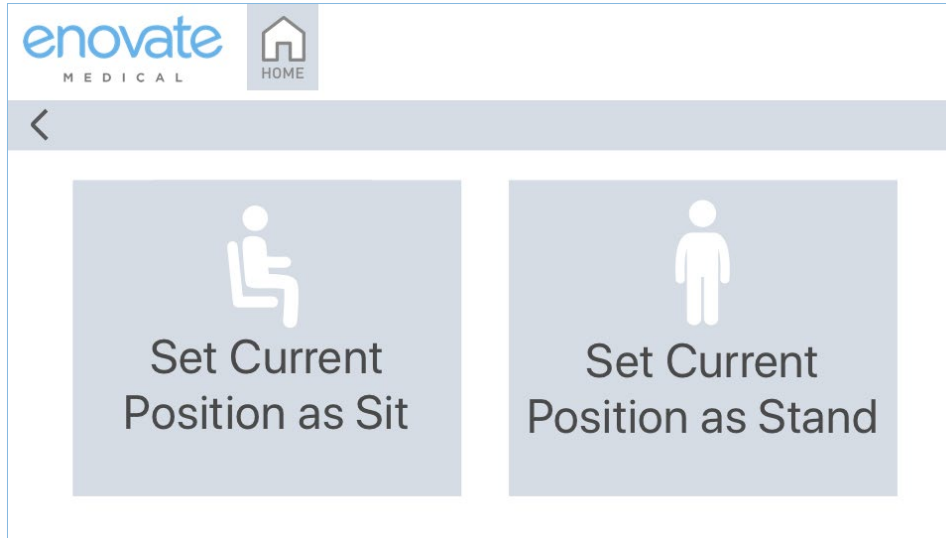




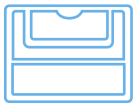
## SET SIT OR STAND POSITION

CONFIGURE ENVOY DIRECTLY FROM A PC

- **Set Current Position as Stand** - Will make the current height of the workstation the Stand Height.
- **Set Current Position as Sit** - Will make the current height of the workstation the Sit Height.



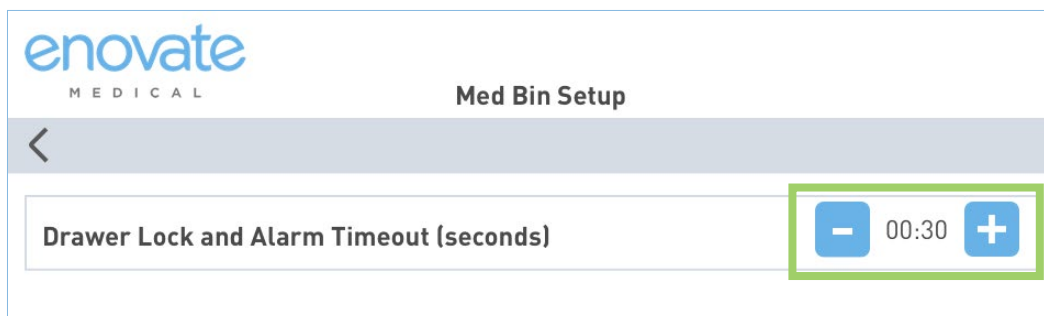
\*This feature is currently unavailable on workstations equipped with medication bins.



## MEDICATION BIN CONFIGURATION

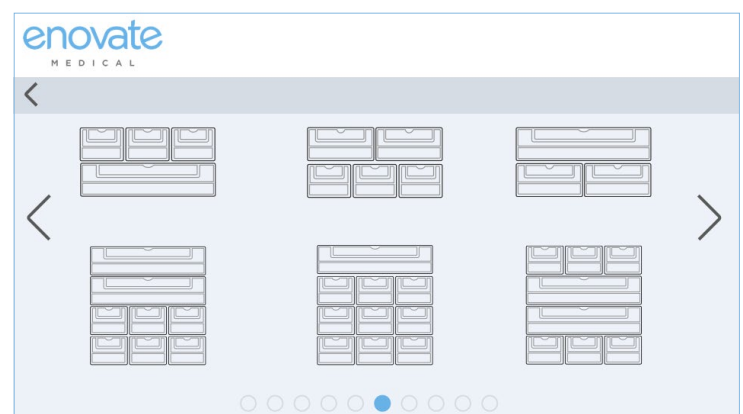
Set up drawer lock and alarm timeouts, as well as choose your med bin

- Use the “+” and “-” signs to adjust the automatic drawer lock and alarm delay.



To change the drawer configuration:

- Press “Change drawer config”
- Use the left and right arrows to scroll through the various layouts. Select the picture that corresponds with your drawer layout.





## HOW TO UNLOCK MEDICATION BINS



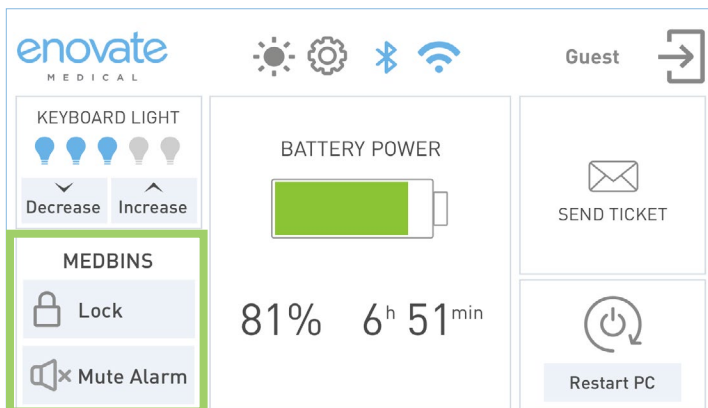
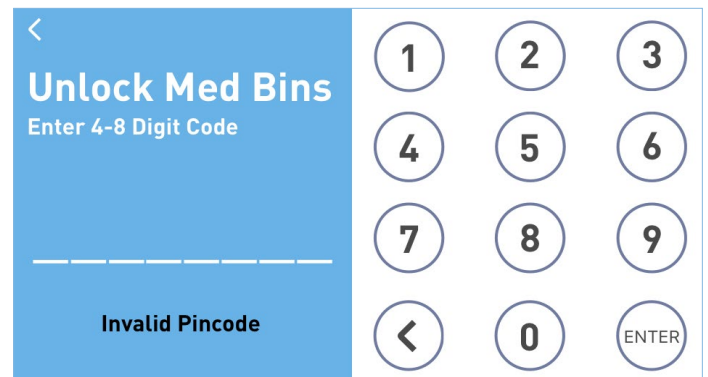
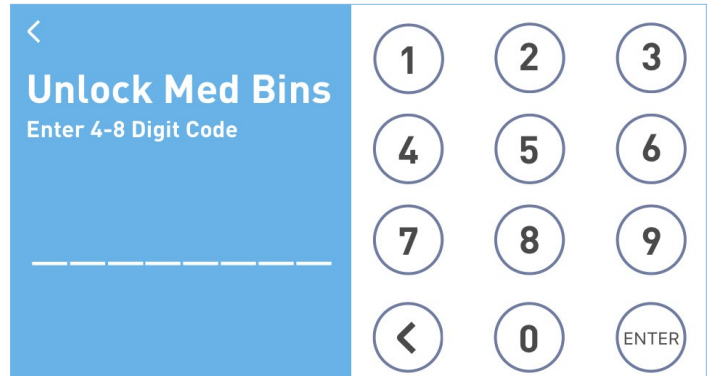
1. To open the medication bins, press the MedBin icon on the touch display.

2. Enter your 4-8 digit numerical code. If entered correctly the drawers will unlock.

The default Admin unlock code is: **9876**  
(must be logged into Admin Account)

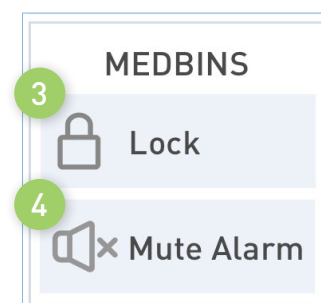
The default Guest unlock code is: **1234**

If you enter an incorrect code, you will receive the following message box:



Drawers will automatically lock after the preset delay. The Envoy will emit an audible alert after the preset delay when a drawer is not closed. When the medication drawers are unlocked, the MedBin button on the Home Screen will change.

3. To manually lock the drawers, press the “Lock” button.
4. To mute audible alarm for 1 minute, press “Mute Alarm”







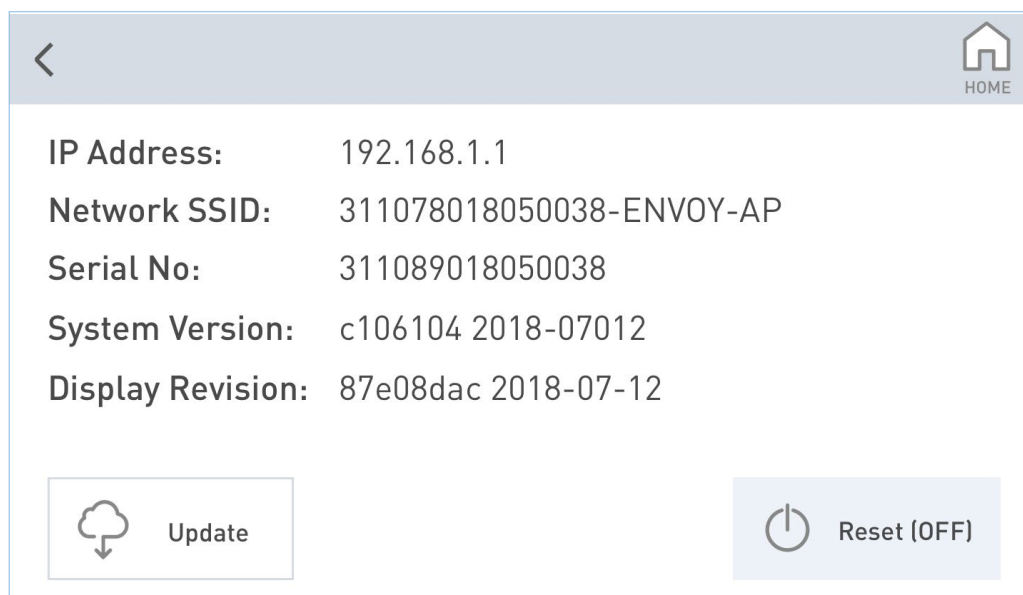
## HOW TO UNLOCK MEDICATION BINS (CONT'D)

When the medication bin alarm begins to alert, the open draw will be represented by a red "X" on the touch display.



## SYSTEM INFORMATION

- **IP Address** – IP address of the workstation
- **Network SSID** – Name of network.
- **Serial Number** – This is the serial number of the power system of the workstation.
- **System Version** – Current revision of software installed on the workstation
- **Display Revision** - Current revision of software installed on the touch display
- **Update** – Press update to manually check and install any updates.
  - Updates will automatically happen on Envoys between 3:00 and 3:30 a.m. local time
- **Reset (OFF)** – Resets the power to the entire Envoy workstation; this is typically used for service or extended storage.





## ENVOY GENERAL USE

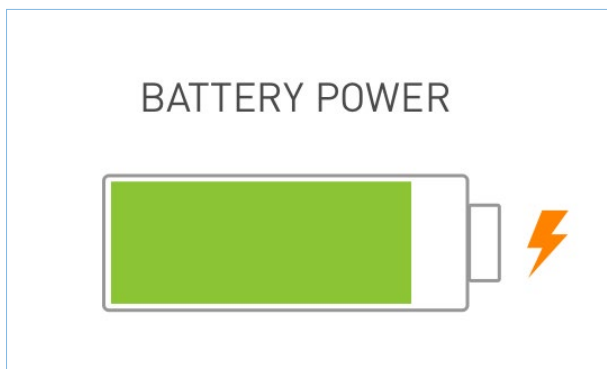


## USING A CORDED ENVOY: CHARGING THE BATTERY



To begin charging your Envoy, plug the 3-prong power cable into a standard 110-120VAC grounded AC power outlet. You will see the screen on the touch display.

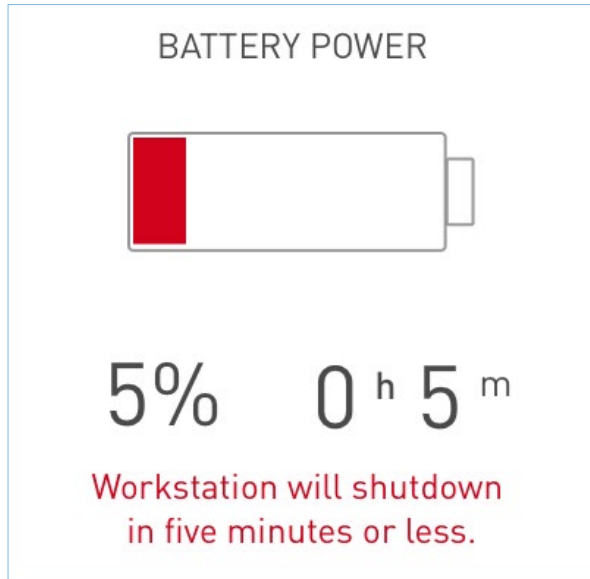
Please unplug the workstation from the AC Power outlet prior to moving it.



An orange “lightning bolt” will appear next to the battery icon on the display when a user logs into the workstation indicating the battery is charging.



## LOW POWER SEQUENCE



The workstation emit two long beep alerts every 5 seconds when the Mobius battery is removed from the workstation during typical use.



## AUDIBLE ALERTS

**0:25 - 0:05 minutes remaining:** single quick beep every 5 minutes

**0:05 - 0:02 minutes remaining:** double quick beep every 5 minutes

### Additional Alerts:

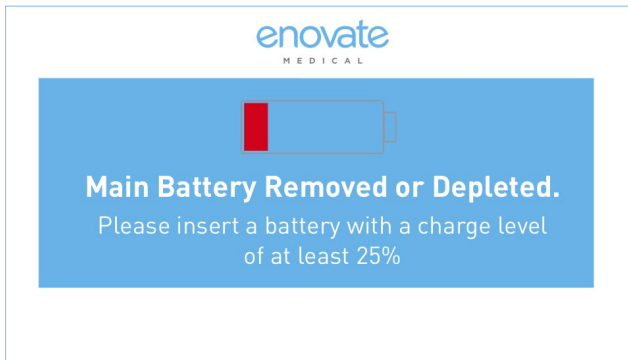
**Power On or Successful Update:** Triple quick beep.

The EcoFlex power system does not directly communicate with any integrated peripheral, like the PC, laptop, Thin Client, etc. The EcoFlex power system does not support our legacy MobiusSD or PulseTech Connect applications.

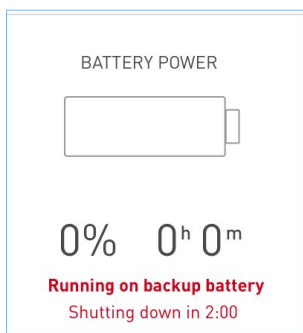
A logoff and graceful shutdown feature can be enabled for EcoFlex Workstations (i.e. Envoy) through an internal connection to the power system from the integrated USB Hub. This functionality is not enabled, and this USB connection is not present, by default on Ecoflex but can be added on as an upgrade to Envoys. Please reach out to your Sales Representative, Technical Services, or Rhythm support for more details.



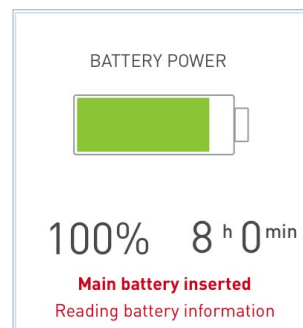
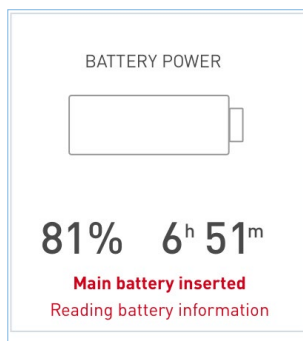
## SWAPPING THE MOBIUS BATTERY



When swapping the Mobius Battery, the display will inform you that the “Main Battery removed/depleted” and it will beep twice every 5 seconds for 4 minutes prior to entering Standby.



During the battery swap, the workstation will be powered by the back up battery and continue long beep alerts.

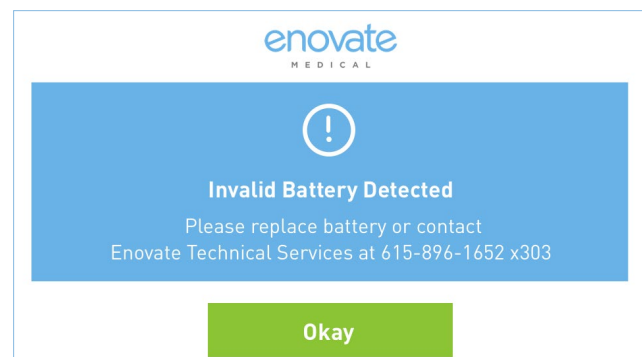


When a fresh battery is inserted before the 2 minute countdown is completed, the workstation will read the battery information and update the battery information displayed on the screen.



## INVALID BATTERY DETECTED

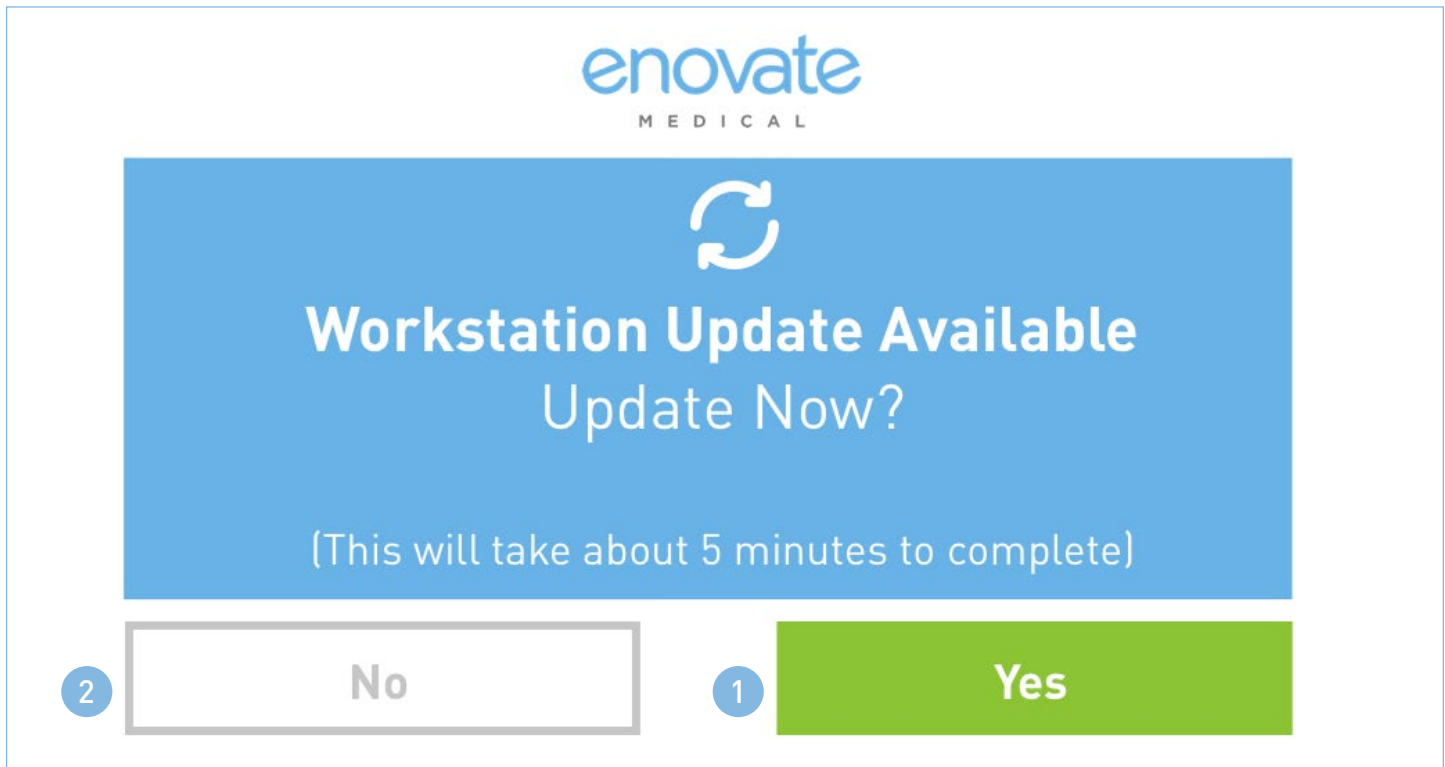
Users will receive the message below on the touch display when the workstation detects an unsupported battery. The workstation will also disable the channel outputs.





## AUTOMATIC UPDATES

Your Envoy workstation will receive periodic updates. The automatic update window is between 2:00AM - 4:00AM EST. When an update is available you will receive the following prompt:



Please save all of your work on the PC prior to updating the workstation.

The workstation will reboot after installing the update which will indirectly cause the PC to power off and then back on.

Select "Yes" at the prompt to begin the update.

- There will be a 10 second countdown after clicking "Yes".
- The workstation will be unresponsive while the update is being installed.
- Upon completion of the update, the workstation will reboot, triple long beep, and return the login screen.

If you wish to cancel and/or suspend the update for a later time, select "No". If no response is selected after 5 minutes, the workstation will automatically proceed with the update.

*\*The battery must be charged more than 20% in order to update.*



## STANDBY MODE

The workstation is designed to enter Standby Mode when the battery is near depletion (1% charge or less). In Standby Mode the touch display will be blank and the workstation will beep once every 5 seconds. All peripherals powered by the workstation, including the PC and the monitor, will also be powered off in Standby Mode.

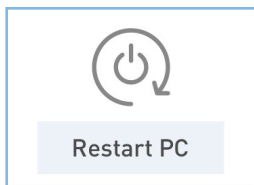
The blue LED power indicator on the power button will remain illuminated while the workstation is in Standby Mode.

- If workstation is **Mobius** powered (*hot-swappable*), replace the Mobius battery to bring the workstation out of Standby mode and resume normal functionality.
- If the workstation is **Phosphate** powered (*corded*), connect the power cable to a power outlet (120VAC) and allow the workstation to charge. The workstation will resume normal functionality as battery is being charged. You may use the workstation in a stationary fashion as the battery is charging.

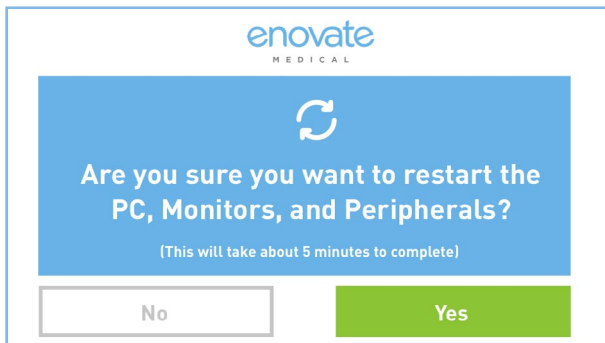


## RESTART PC

This button will power off the PC, monitor and any peripheral that is powered by the workstation, then power them on again. Your PC must be set to power on automatically for this feature to work successfully.



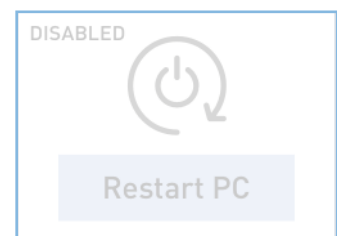
1. Press the “Restart PC” button on the display.



2. You will receive a confirmation box.
  - a. Touch “Yes” to continue with the restart process.
  - b. Touch “No” if you press the button in error.

If the Workstation Administrator has disabled the ability for the user to restart the PC, the “Restart PC” button will read “DISABLED”.

The EcoFlex power system does not directly communicate with any integrated peripheral, like the PC, laptop, Thin Client, etc. The EcoFlex power system does not support our legacy MobiusSD or PulseTech Connect applications.



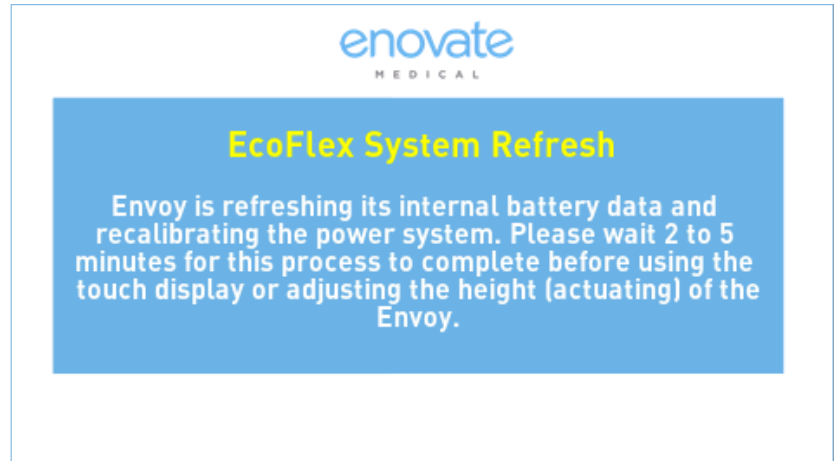
A logoff and graceful shutdown feature can be enabled for EcoFlex Workstations (i.e. Envoy) through an internal connection to the power system from the integrated USB Hub. This functionality is not enabled, and this USB connection is not present, by default on Ecoflex but can be added on as an upgrade to Envoys. Please reach out to your Sales Representative, Technical Services, or Rhythm support for more details.



## ECOFLEX SYSTEM REFRESH

The EcoFlex Power system will occasionally perform routine maintenance.

During this 2-5 period the message to the right will appear on the touch display.



## GRACEFUL SHUTDOWN

*This feature requires hardware produced after December 2018. To receive a hardware upgrade, contact Technical Services.*

### Overview

When enabled, the Graceful Shutdown process will shut the PC down (after a 4-minute countdown) when a Mobius battery has been removed, followed by the cart itself shutting down. It will also shut down the PC right before (30 seconds) the cart shuts down due to low battery.

### Functionality

Graceful Shutdown is compatible with both Windows 10 and Windows 7. This functionality works by default with Windows 10. Windows 7 is supported via software configuration changes to the Envoy Ecoflex that is done by Enovate. No additional software or driver is required for functionality.

The user will need to ensure that the USB A-B cable from the multi-function board (a.k.a. USB Hub) is connected to the PC/CPU under the table top. There is no “communication” from the PC to the power system or vice-versa through this connection. Due to Windows security restraints, the USB hub will enumerate in Windows as a HID keyboard; therefore, nothing needs to be done by the IT team to enable this feature other than to ensure that USB Selective Suspend is DISABLED in their power management scheme.

### Window Automatic Update Warning

The Graceful Shutdown feature does not have the ability to detect if Windows is performing an automatic update on shutdown. This may result in the cart shutting down before the PC - resulting in a not-so-graceful shutdown.

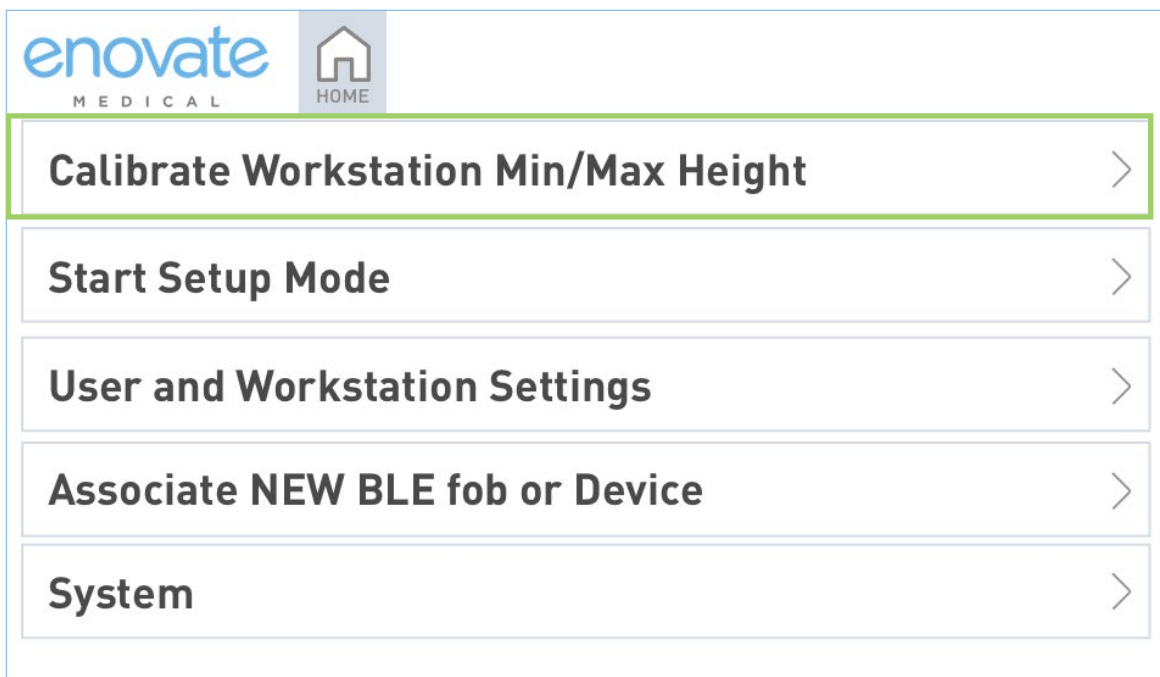


## CALIBRATING THE WORKSTATION

In the event your workstation is not raising or lowering to your desired settings or position, the actuator may need to be calibrated.

### Important Notes:

- Please ensure the workstation is not in use, all items have been removed from the tabletop and that there is at least 1ft of clearance on each side of the workstation prior to starting the calibration.
  - Please ensure all accessories are secured properly to the workstation.
  - The touch-display will not function during the calibration process.
1. From the Settings screen, click “Calibrate Workstation Min/Max Height” to start the calibration process.
    - a. The calibration routine will take about 60 seconds.
    - b. The workstation will lower to its lowest point, raise to its highest point, then down one step down.







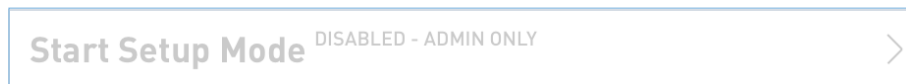
## NON-ADMIN USERS

Users without admin privileges will not have access to the following buttons:

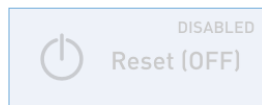
MedBin Configuration



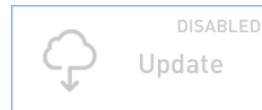
Start Setup Mode



Update

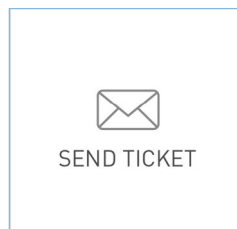


Reset [OFF]



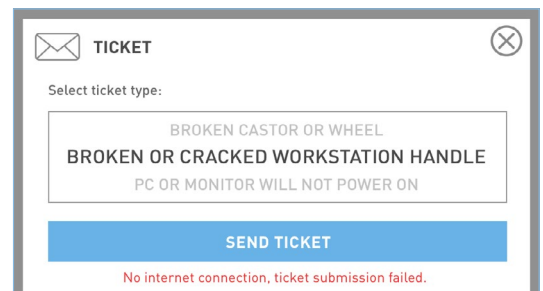
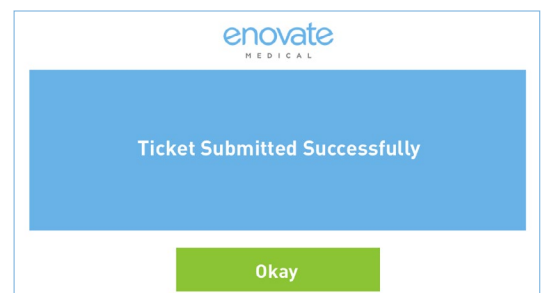
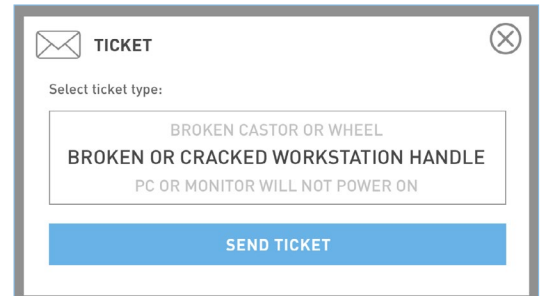
## SUBMIT A TICKET

1. From the Dashboard, press the "Send Ticket" button.



2. This will open a dialog box that contains a list of issues. Select your issue from the list. To cancel/not send the ticket, simply press the "x" to close the dialog box.
3. You will receive a message confirming that your ticket was successfully submitted.

*Notice: If the system is not connection to the internet, the submission will fail.* →

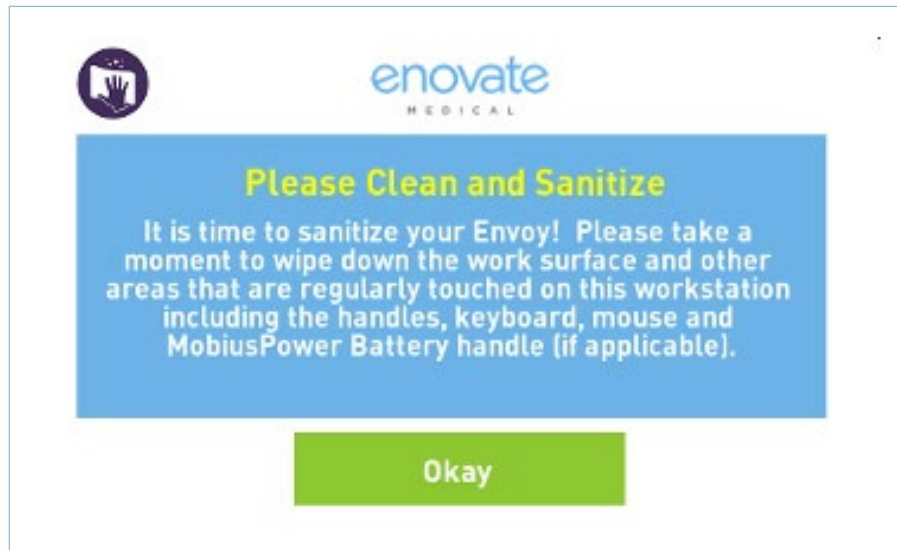




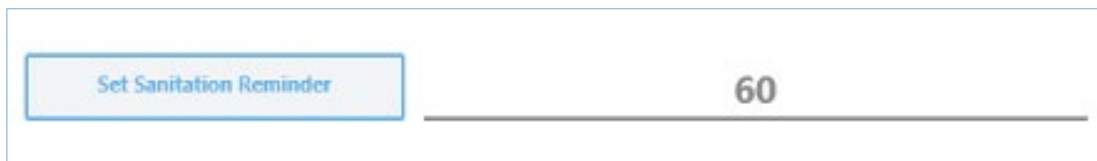
## SANITATION REMINDER

Envoys can show a sanitation reminder screen at an interval set by the user; i.e. every 60 minutes.

By default, this screen is disabled, but it can be enabled through EmControl (Desktop, Mobile, or Rhythm version).



You can enable this screen by setting the sanitation reminder interval in EmControl to any number of minutes above 0:



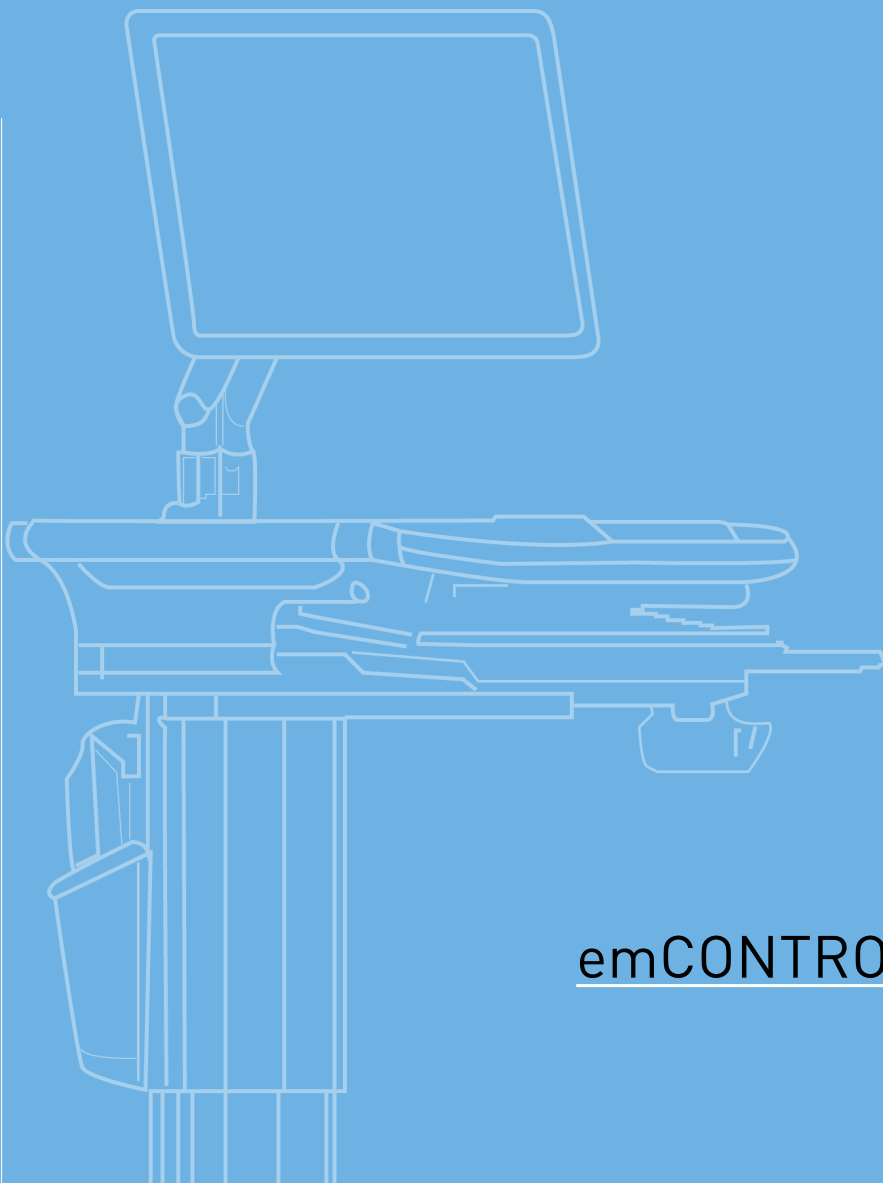


## HIGH TEMPERATURE NOTICE

In the event the Envoy workstation is experiencing higher than normal operating temperature, it will enter a temporary cooling mode. Users will notice the message below on the touch display.



Envoy is experiencing high temperatures and is in  
sleep mode; please contact Enovate Technical  
Services at 615-896-1652 x303



# 02

## emCONTROL DESKTOP APP



## LOGIN TO EMCONTROL DESKTOP APP

Users can download the emCONTROL Desktop App here: <http://emcontrol.myenovate.com/>

The following prerequisites are required: Microsoft .NET Framework 4.6.1 (x86 and x64)

Follow the prompts to install the application



To open the emCONTROL Desktop App, double-click the icon on your desktop.

If you do not have a Rhythm account, please contact the Rhythm Support Team.

If you would like to reset your password (it'll send you an immediate email), go here: [Reset Password](#)

If you would like to set your password (for instance, after resetting it), go here: [Change Password](#)



## MAIN SCREEN

1. To connect to a workstation, enter the workstation's serial number or IP address into the box. Then press the enter key.
  - i. Your PC must be on the same network as the workstation
  - ii. To locate the workstations' IP Address – Use the touch display on the workstation to navigate to System Settings > About.
2. **Actuator** – Functions that allow users to calibrate the actuator itself. Please see: [Calibrating the Actuator](#)
3. **Power** - To restart the workstation, press the “Restart Workstation” button. To completely power off the workstation, press the “Power Off Workstation” button.
  - a. Ensure that all work has been saved prior to restarting and/or powering off the workstation.
  - b. You will need to ensure the PC installed in the workstation is configured such that it will automatically power-on when it detects power to avoid having to manually power on the PC via the power button.
  - c. The EcoFlex power system does not directly communicate with any integrated peripheral, like the PC, laptop, Thin Client, etc. The EcoFlex power system does not support our legacy MobiusSD or PulseTech Connect applications.

A logoff and graceful shutdown feature can be enabled for EcoFlex Workstations (i.e. Envoy) through an internal connection to the power system from the integrated USB Hub. This functionality is not enabled, and this USB connection is not present, by default on Ecoflex but can be added on as an upgrade to Envoys. Please reach out to your Sales Representative, Technical Services, or Rhythm support for more details.

Cont'd on next page



## MAIN SCREEN



### 4. Additional Workstation Features

**Click to Beep Workstation** - If you are having an issue locating a workstation, you can “Beep” the workstation, causing the workstation to emit a low-level audible alert momentarily.

**Update Workstation** - Manually check for workstation updates. This process could take up to 7 – 15 minutes to complete based on network connection.

**Display Brightness and Keyboard Light** - The workstation’s display brightness and keyboard light can be adjusted using the sliders.

**Display Timeout** - Set the time of inactivity before the display sleeps. (Min – 30 seconds; Max – 300 seconds)

**Set Auto Logout** - Adjust the delay before a user will be logged out of the workstation. (Min – 30 seconds; Max – 9999 minutes)

**Set Sanitation Reminder** - Used to set the frequency of the Sanitation prompt on the touch display. (Min – 0 (off); Max – 1440 minutes)

### 5. Set DC Voltage and Timeout – This feature will allow you to change the voltage of the 3 DC power outputs of the workstation and change the timeout. Please see [Changing the Output Voltage](#).

### 6. Generates a list of error codes stored/archived on the workstation. This list can help troubleshoot or isolate an issue.

### 7. Allows administrators to manage Workstation users.

### 8. Allows administrators to configure the Med Bins (Optional)

### 9. Allows user to configure the Wi-Fi setting for the workstation.

### 10. Additional Settings

**Restart PC Enabled** - Allows Administrators to Enable or Disable the restart PC function

**Use HTTPS/443** - Allows users to select between port 80 or 443

**Fan Always On** - Enable persistent fan mode, allowing the fan to circulate air continuously.



## CHANGING THE OUTPUT DC VOLTAGE AND TIMOUT

It is strongly recommended that you disconnect the power cable from each device prior to changing voltages.

Enovate Medical

Device Serial 10.10.32.27

1. Enter the serial number or IP address of the device you wish to configure into the "Device Serial" box, then press "enter."

Set DC Voltage

| Set DC Voltage   | Value | DC Timeout   | Value |
|------------------|-------|--------------|-------|
| Set DC 1 Voltage | 19    | DC 1 Timeout | 60    |
| Set DC 2 Voltage | 5     | DC 2 Timeout | 15    |
| Set DC 3 Voltage | 12    | DC 3 Timeout | 0     |

Voltages must be set between 5-24 volts.  
DC Timeout must be set between 0-300 min. 0 is disabled.

2. Using the "Set DC Voltage" box, enter the desired voltage into the space next to the channel you wish to change.
3. To change the Channel Timeout, select a delay from the drop-down menu.
4. Click the "Set DC 1/2/3 Voltage" button to set the voltage.





## CALIBRATING THE WORKSTATION

In the event your workstation is not raising or lowering to your desired settings or position, the actuator may need to be calibrated.

### Important Notes:

- Please ensure the workstation is not in use, all items have been removed from the tabletop and that there is at least 1ft of clearance on each side of the workstation prior to starting the calibration.
- Please ensure all accessories are secured properly to the workstation.
- The touch-display will not function during the calibration process.

The screenshot shows the 'Enovate Medical' app interface. A green circle with the number '1' is positioned to the left of the 'Device Serial' field. The field contains the text '10.10.32.27' and a dropdown arrow on the right.

1. Enter the serial number of the device you wish to configure into the “Device Serial” box, then press “enter”

The screenshot shows the 'Actuator' app interface. A green circle with the number '2' is positioned to the left of the 'Calibrate Workstation' button. The button is labeled 'Calibrate Workstation' in blue text.

2. Click “Calibrate Workstation” to start the calibration process.
  - a. The calibration routine will take about 60 seconds.
  - b. The workstation will lower to its lowest point, raise to its highest point, then down one step down.



## NETWORK MANAGEMENT

### To Add a Network

1. Enter the Network Name (SSID) and the passphrase, then
  - a. If the network is hidden, select "Hidden Network"
  - b. If the network is Radius, select "Radius Network"
2. Click "Add/Update Network."

The top screenshot shows the 'Network Management' interface with the following fields: Network (EnovateTestSSID), Passphrase (masked), Radius Network (checked), and Hidden Network (unchecked). The 'Add/Update Network' button is highlighted with a green box.

The bottom screenshot shows the 'Network Management' interface with the following fields: Network (EnovateTestSSID), Username (EnovateRadiusUsername), Password (masked), Radius Network (checked), and Hidden Network (unchecked). The 'Remove Network' button is highlighted with a green box.

The screenshot shows the 'Network Management' interface with the following fields: Network (Enovate Medical), Passphrase (masked), Radius Network (checked), and Hidden Network (checked). The 'Remove Network' button is highlighted with a green box.

### To Remove a Network

Select the Network Name from the dropdown menu, then click "Remove Network."

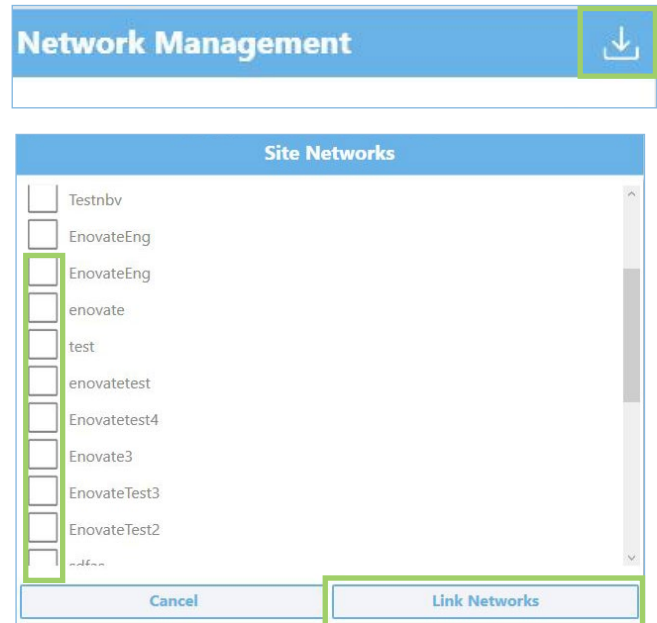
You will need to click "Yes" to confirm, then close.

The dialog box has a question mark icon and the text: "Network Management", "Are you sure you want to remove the Enovate Test network information?". There are two buttons: "No" and "Yes".

The dialog box has a checkmark icon and the text: "Network Management", "Network information for Enovate Test was successfully removed.". There is one button: "Close".

## To Link a Network

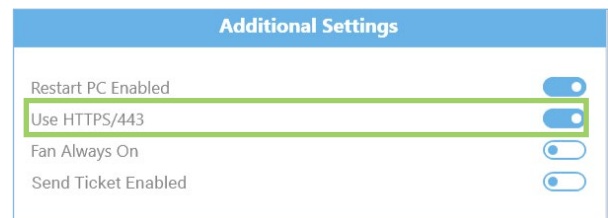
1. Click the “Download Icon” in the top right corner. This will open containing a list of networks uploaded by the customer.
2. Check the box next to the network you wish to link to the workstation.
3. Next Click “Link Networks”. This will automatically insert the network(s) information into the workstation. You **DO NOT** need to press “Add/Update Network” afterward.



## To Use HTTPS/443

If the network you are using requires HTTPS, click the button “Use HTTPS/443” inside the “Additional Settings” box.

For additional network requirements, please refer to the “Communication and Security Document”



## Helpful Tips

- A network’s SSID is case sensitive. If the SSID is not hidden, you can easily confirm the SSID using the wireless manager on your laptop or mobile phone.
- Activating Setup Mode on a workstation will greatly improve the process. Ensure that EmControl is open and you are logged in prior to connecting to a workstation’s SSID with your laptop.
  1. Connect your laptop to a standard network or a hotspot
  2. Open EmControl and log in.
  3. Using the Envoy’s touch display, go to settings and select “Start Setup Mode”
  4. The workstation will begin to broadcast its own wireless network. The SSID will be the EcoFlex serial number + “-ENVOY-AP”. This will also appear as the SSID on the System Settings screen
  5. Connect your laptop to the wireless network of the workstation.
  6. Enter the Envoy’s IP address into EmControl. This can also be found on the System Settings screen (typically 192.168.1.1)
  7. Link the networks as instructed above.
  8. Reboot the workstation to exit setup mode.
- Network related information should be upload to the Enovate Secure Portal at the link below:  
<https://secureportal.myenovate.com>



## CHANGING MEDICATION BIN CONFIGURATIONS

1. To change/update the medication bin configuration, select "Set MedBin Configuration" from the Main Screen.
  - a. Use the radio button on the right side to enable or disable the Med Bin.
2. A window will open with all possible medication bin configurations, select your medication bin configuration.
3. **Drawer Timeout** – Allows user to change/update the drawer timeout alert.
  - a. Value Range: .5 minutes – 9999 Minutes.
4. **Mute Alarm Time** - Allows user to change/update the alarm mute.
  - a. Value Range: 60 seconds to 9999 seconds; Recommended max is 600 seconds.
5. To save changes, click "Save Med Bin Configuration"

Med Bin Management

Manage Users








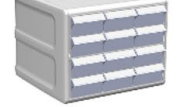


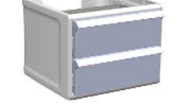



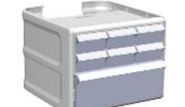


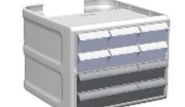
1

Set Med Bin Configuration

☒

Select Med Bin Configuration ✕

2

|   |   |   |  |   |   |
|---|---|---|--|---|---|
| <br>ENVD2001 | <br>ENVD2002 | <br>ENVD2003 | <br>ENVD2004 | <br>ENVD2005 | <br>ENVD2006 |
| <br>ENVD2007 | <br>ENVD4001 | <br>ENVD4002 | <br>ENVD4003 | <br>ENVD4004 | <br>ENVD4005 |
|              |              |              |              |              |              |

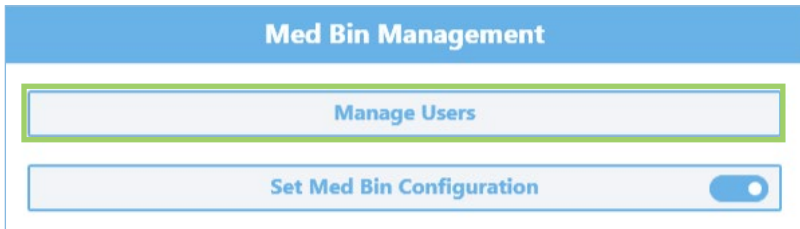
Drawer Timeout:  ⓘ

Mute Alarm Time:  ⓘ

Save Med Bin Configuration

## MANAGING WORKSTATION USERS

To manage workstation users, select “Manage Users” from the Main Screen. This will open the Manage User’s screen. The Manage User’s screen open a list of user’s currently associated with the workstation and each user’s personalized settings.



### Edit Users

To Edit a current user, click the pencil icon

| First Name | Last Name | Email             | ID Code | MedBin Pincode | BLE 1    | BLE 2    | BLE 3    | Sit | Stand | Display Brightness | Keyboard light | + | × |
|------------|-----------|-------------------|---------|----------------|----------|----------|----------|-----|-------|--------------------|----------------|---|---|
| Samanta    | Smith     | rhythmsupport@eno | 5432    | 1234           | 00.00.00 | 00.00.00 | 00.00.00 | 10  | 225   | Day                | 100            |   |   |

To save changes, click “Save”. To disregard changes, click “Cancel”.

### Adding Users

To add a user, click the “+”

| First Name | Last Name | Email             | ID Code | MedBin Pincode | BLE 1    | BLE 2    | BLE 3    | Sit | Stand | Display Brightness | Keyboard light | + | × |
|------------|-----------|-------------------|---------|----------------|----------|----------|----------|-----|-------|--------------------|----------------|---|---|
| Samanta    | Smith     | rhythmsupport@eno | 5432    | 1234           | 00.00.00 | 00.00.00 | 00.00.00 | 10  | 225   | Day                | 100            |   |   |

This will create a new row in the grid. Enter the user’s information, then click “Save”. To disregard changes, click “Cancel”.

|  |  |  |  |  |  |  |  |  |  |  |  |      |        |
|--|--|--|--|--|--|--|--|--|--|--|--|------|--------|
|  |  |  |  |  |  |  |  |  |  |  |  | Save | Cancel |
|--|--|--|--|--|--|--|--|--|--|--|--|------|--------|

### Deleting Users

To delete/remove a user from the workstation, click the red trash bin next the user’s name

| First Name | Last Name | Email             | ID Code | MedBin Pincode | BLE 1    | BLE 2    | BLE 3    | Sit | Stand | Display Brightness | Keyboard light | + | × |
|------------|-----------|-------------------|---------|----------------|----------|----------|----------|-----|-------|--------------------|----------------|---|---|
| Samanta    | Smith     | rhythmsupport@eno | 5432    | 1234           | 00.00.00 | 00.00.00 | 00.00.00 | 10  | 225   | Day                | 100            |   |   |

To exit the “Manage Users” screen and return to the Main Screen, simply click the “X”.

| First Name | Last Name | Email             | ID Code | MedBin Pincode | BLE 1    | BLE 2    | BLE 3    | Sit | Stand | Display Brightness | Keyboard light | + | × |
|------------|-----------|-------------------|---------|----------------|----------|----------|----------|-----|-------|--------------------|----------------|---|---|
| Samanta    | Smith     | rhythmsupport@eno | 5432    | 1234           | 00.00.00 | 00.00.00 | 00.00.00 | 10  | 225   | Day                | 100            |   |   |



# 03

## RHYTHM UNPLUGGED MOBILE APP



## LOGGING IN

- Users can download the mobile app from the iTunes App Store
- Follow the prompts to install the application on your Apple device



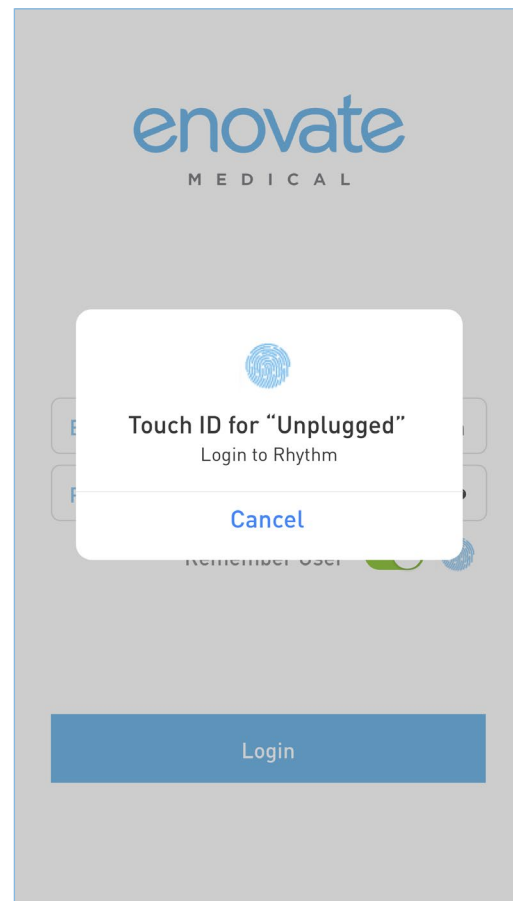
To open the Rhythm Unplugged Mobile App, press the icon on your home screen.

The app will open to a login prompt. Login using your Rhythm username and password, then press login. Or you can login using your Touch ID.

If you do not have a Rhythm account, please contact the Rhythm Support Team.

If you would like to **reset** your password (it'll send you an immediate email), go here: [Reset Password](#)

If you would like to **set** your password (for instance, after resetting it), go here: [Change Password](#)





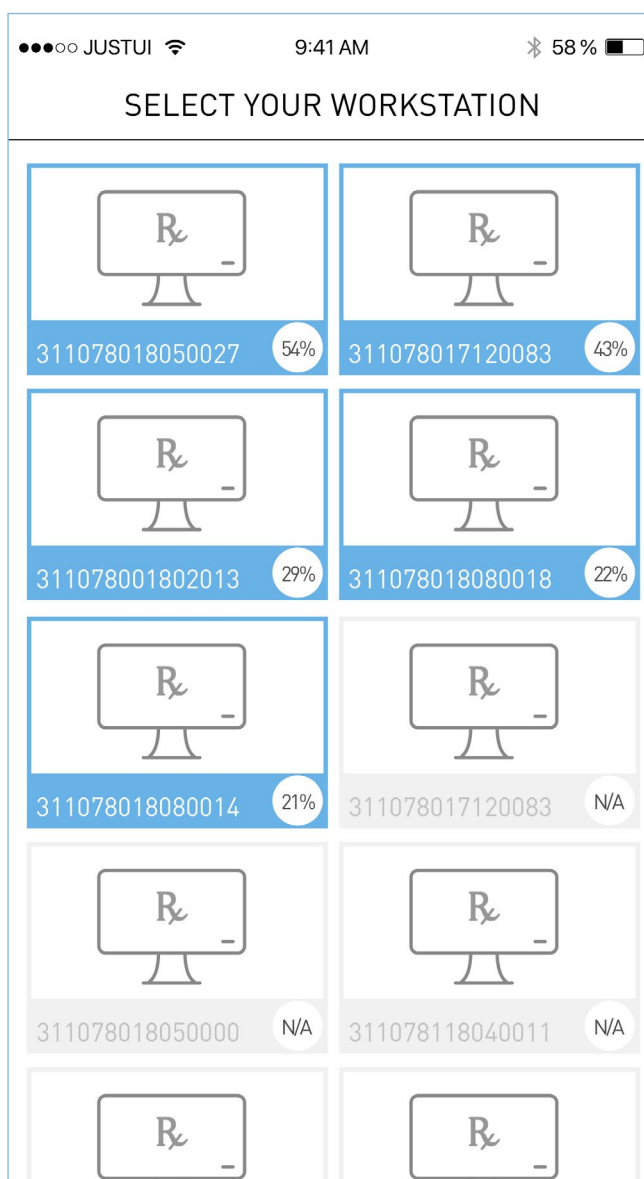
## CONNECTING TO A WORKSTATION

After successfully logging in, the app will scan for nearby workstations. It will list those workstations by serial number on the screen.

To connect to a workstation, click on the corresponding box.

Workstations in blue boxes are nearby and available. The percentage in the white circle relates to signal strength based on your proximity to the workstation.

Workstations in gray are not nearby or are shutdown.

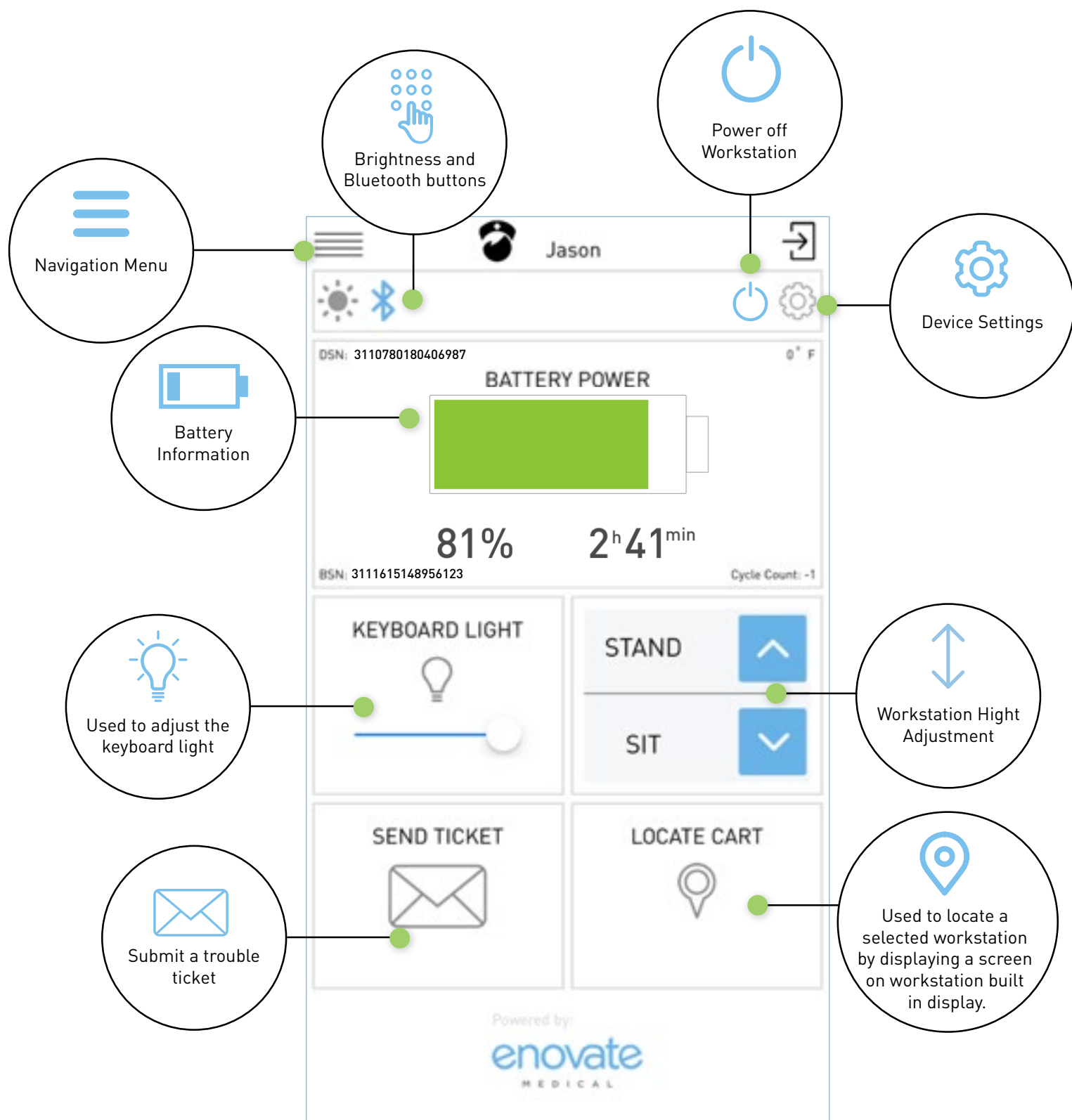






## WORKSTATION HOME PAGE

After connecting to a workstation, you will be taken to the workstation's homepage.

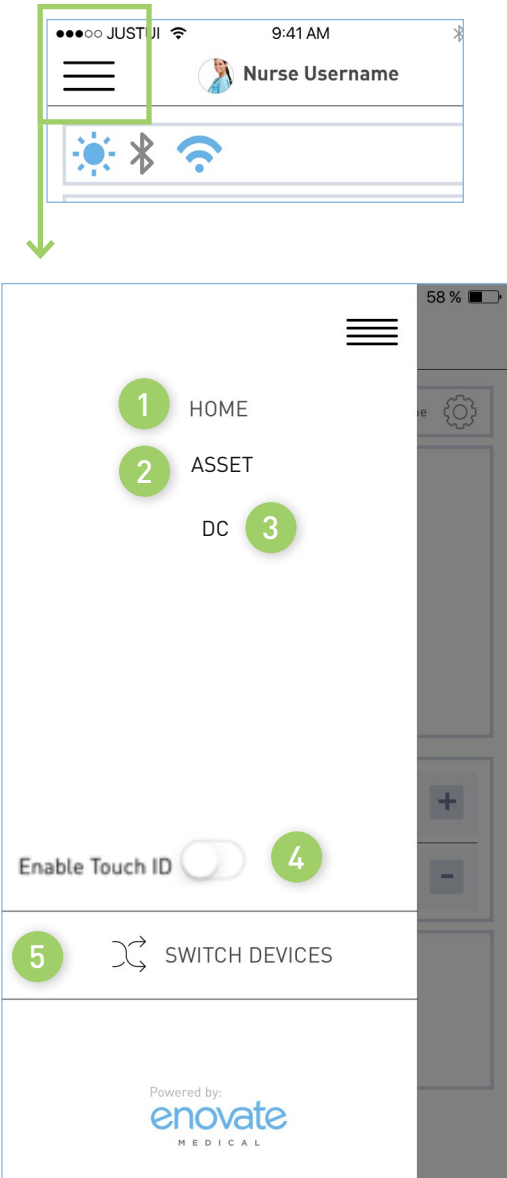




## NAVIGATION PANEL

Click the 3 bars at the top of the window to open the navigation panel.

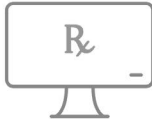
1. **Home** – Returns users to the homepage.
2. **Asset** – Takes users to the device information page.
3. **Display Voltage** – Displays voltage for each output.
4. **Enable Touch ID** – Allow users to login using Apple Touch ID.
5. **Switch Devices** – Returns users to the devices selection screen.



≡ NAVIGATION PANEL: ASSET

- 1. Workstation Information
- 2. Assigned Location Information

1



311713001928

Serial Number

311713001928

Last Packet Recieved

8/16/2018 9:48:57

IP

000-000-0000

2

Location Information

Facility

Select Site

▼

Department

Select Department

▼

Floor

Select Floor

▼

Wing

Select Wing

▼

Other Location

Asset #

34567

Product Serial #

34567

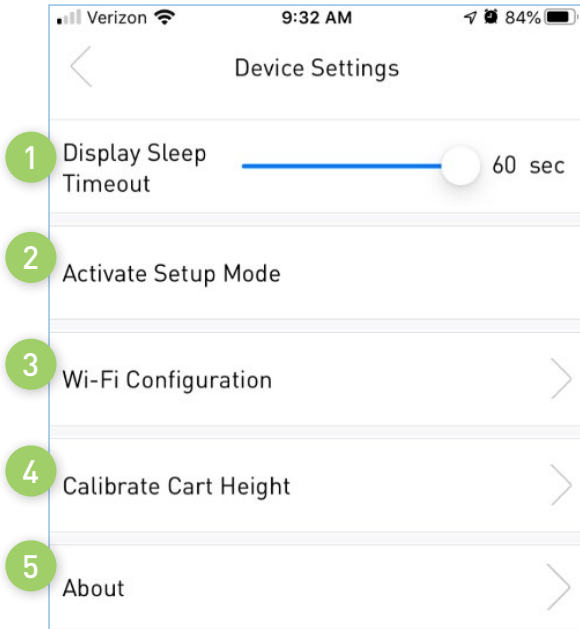
Notes

Save Changes



## DEVICE SETTINGS

Press the gear icon on the home screen to navigate to the Device Settings page.



1. Allows user to adjust the sleep timer for the display.
2. Puts the workstation in setup mode.
3. Allows users to configure the Wi-Fi settings.
4. Allows users to configure the Height Settings.
5. Provides users with useful information.



## DEVICE SETTINGS: WI-FI CONFIGURATION

This feature is used to configure the workstation's built-in Wi-Fi.

This feature is used to configure the workstation's built-in Wi-Fi. The workstation will communicate over port 80 (HTTP) back to our Enovate API residing on Enovate servers. All connections are initiated by the device (outbound), and an inbound connection cannot be initiated from Enovate's Cloud servers.

Enovate requires that the hospital's network allow connections to be made to Connect.MyEnovate.com, which currently resolves to 40.122.135.195.

No direct connections to the device can be initiated by Enovate. All remote management, updates, and diagnostic functions of Enovate devices are achieved through responses to the connection initiated by workstation.

The image shows a mobile app screen titled "Wi-Fi Configuration". It features a dropdown menu labeled "Network" with the text "Select a SSID" and a downward arrow. Below this is a "Passphrase" field. A blue button labeled "Delete" is positioned below the passphrase field. At the bottom, there are two input fields: "SSID" with the placeholder "Enter SSID" and "Passphrase" with the placeholder "Enter Passphrase". A blue button labeled "Add" is at the very bottom. Numbered callouts are present: 1 points to the "Network" dropdown, 2 points to the "Passphrase" field at the bottom, 3 points to the "Delete" button, and 4 points to the "Add" button.

1. The dropdown box provides a list of stored networks and their corresponding passphrase.
2. You can add a network by entering the SSID and Passphrase.
  - a. Click "Add" to store network information to the workstation
3. To remove/delete a stored network, first select the network from the dropdown box, then click "Delete" to remove/delete.



## DEVICE SETTINGS: CALIBRATE CART HEIGHT

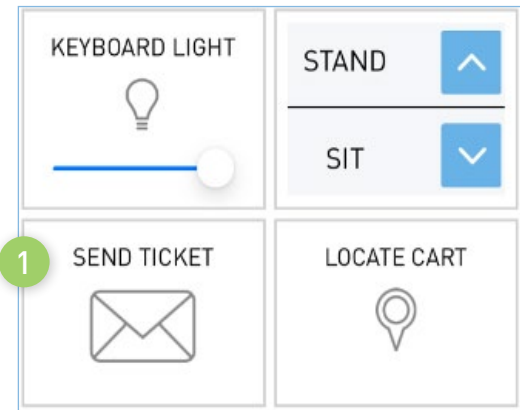


1. Stand will move the workstation to it the current Stand height/position.
2. Sit will move the workstation to it the current Sit height/position.
3. Use the Up and Down arrows to adjust the height/ position of the workstation
4. To save the current position to the Stand positionpress "Set Stand"
5. To save the current position to the Sit position, press "Set Sit"



## SEND TICKET

1. Press the send ticket button from the home screen to open the “send ticket” menu.
2. Select an issue category from the drop-down menu
3. Select an issue from the drop-down menu
4. Add any additional information into the Note box
5. Once all the information has been entered, click “submit.”



Send Ticket

Device Serial

311078019050157

Battery Serial

311771516100107

IP Address

10.10.32.143

AP MAC

E2:55:6D:37:24:73

2 Issue Category

Electrical

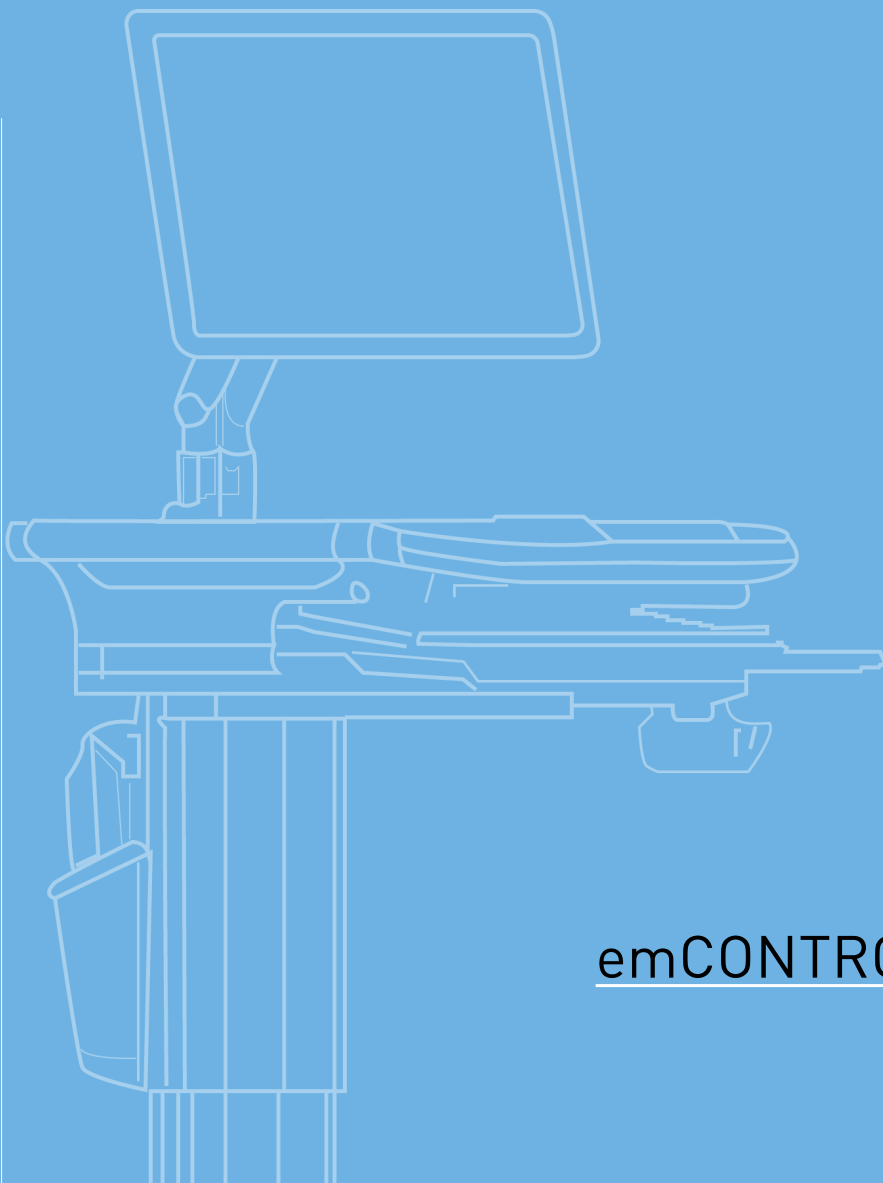
3 Issue

Noisy Fan

Notes (10 char min)

4 AIO has a loud fan

5 Submit



# 04

## emCONTROL MOBILE APP





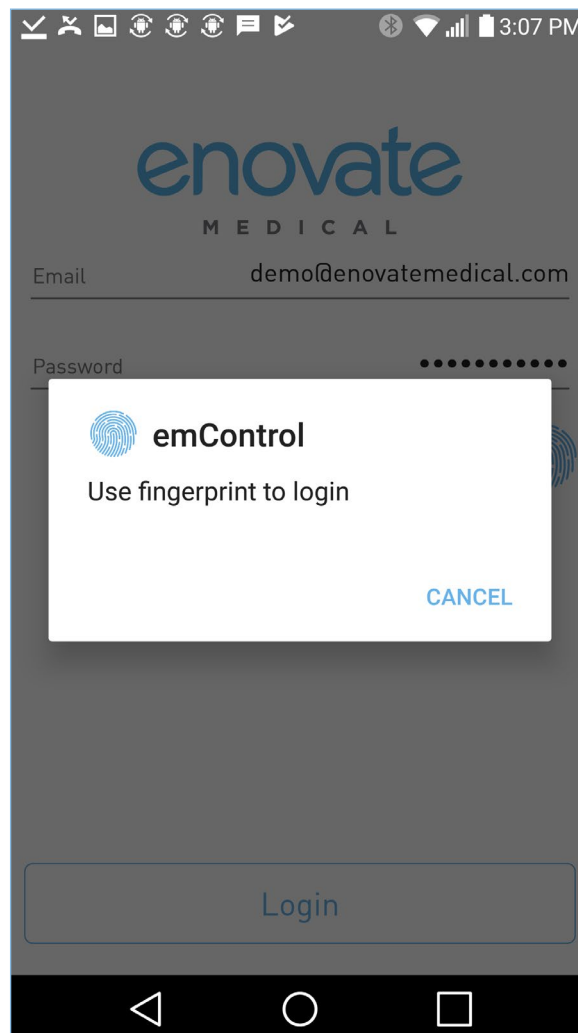
## EMCONTROL MOBILE APP

- emControl is available in the Google Play Store and the Apple App Store. Search for “emControl.”



## LOGGING IN

1. Launch emControl via the icon on the Home Screen.
2. Your Rhythm credentials are required to login. After your initial login, you can configure the app to use your fingerprint.



## LOGGING OUT

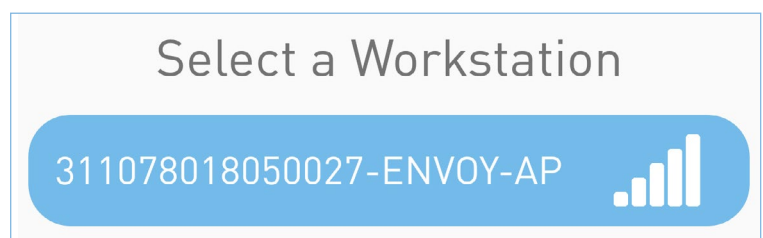
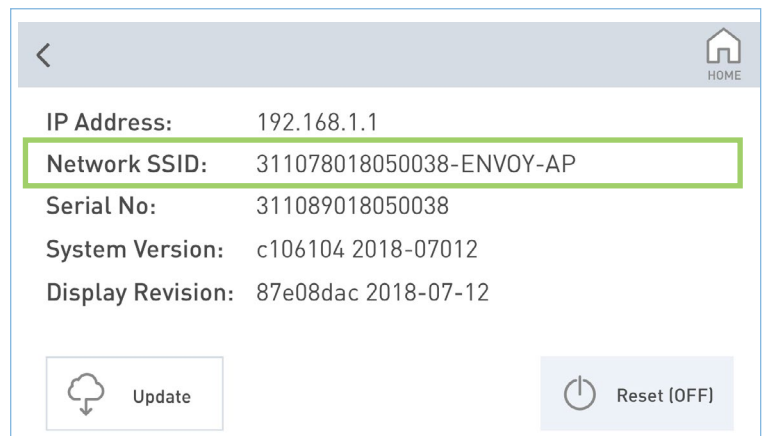
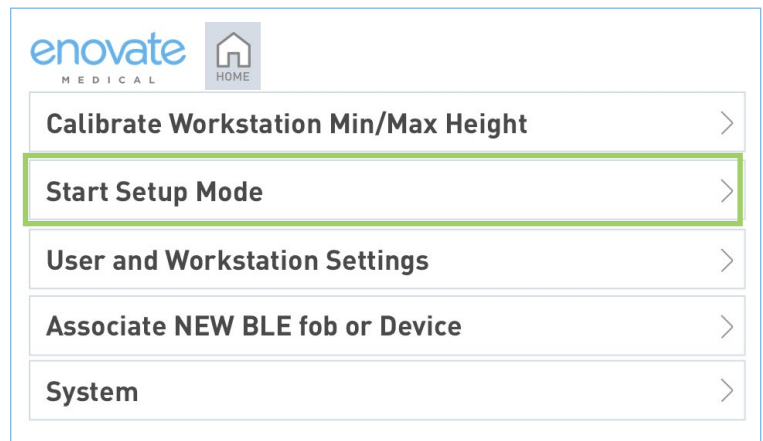
1. To Logout, close the app or use the back button to navigate back to the login screen.



## CONNECTING TO A WORKSTATION (ANDROID)

You must first put the Envoy Workstation into "Setup Mode."

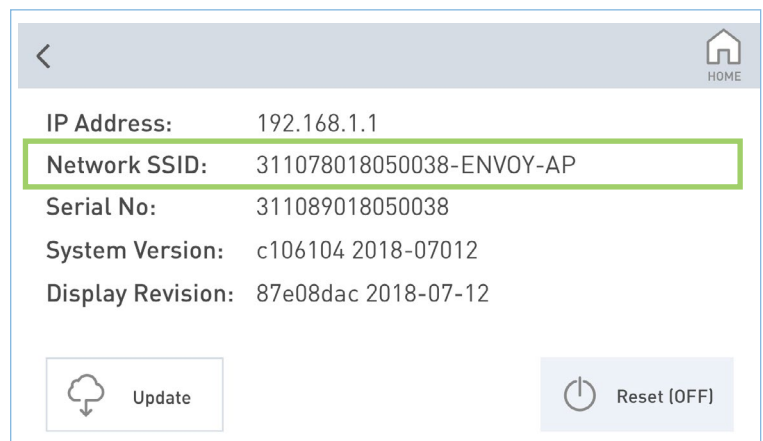
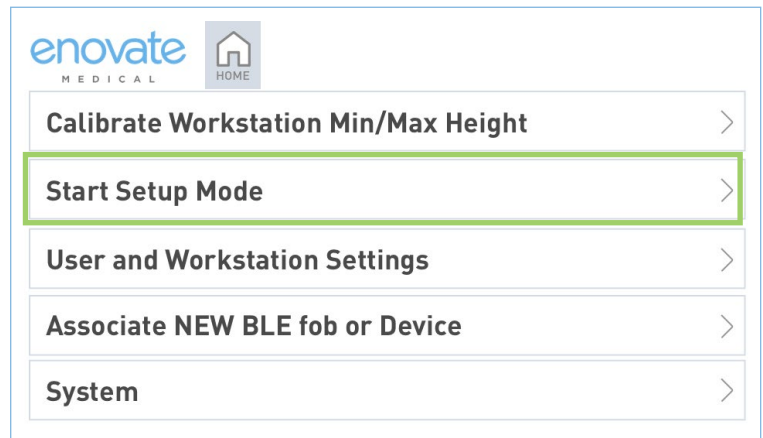
1. On the Envoy's Settings menu, select "Start Setup Mode"
2. After selecting Start Setup Mode, click on "System" to view the SSID workstation. It should be like the "Network SSID" in the screen shot.
3. Open the emControl app and select the workstation's Network SSID from the list (NOTE: The SSID of the workstation will begin with the workstation's serial number)



## CONNECTING TO A WORKSTATION (iOS)

You must first put the Envoy Workstation into "Setup Mode."

1. On the Envoy's Settings menu, select "Start Setup Mode"
  2. After selecting Start Setup Mode, click on "System" to view the SSID workstation. It should be like the "Network SSID" in the screen shot.
  3. Open emControl and login. After successfully logging in, emControl will instruct the user to connect to the SSID of the workstation using the iPhones wireless settings.
- (NOTE: The SSID of the workstation will begin with the workstation's serial number)**
4. After connection has been made, return to emControl and press "Confirm Connection".



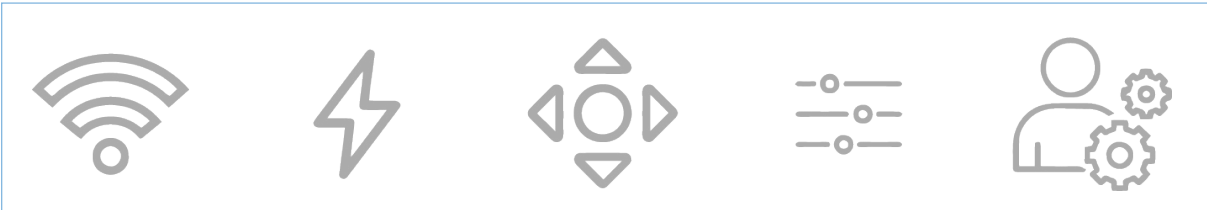
Put Workstation into Setup Mode and go to your Wi-Fi settings and select the Workstation's network.

Confirm Connection



## NAVIGATION MENU

After you have successfully logged into the emControl, you will use the icons at the bottom of the screen to access different features of the application.



### Wireless Settings

Allows users to configure the wireless settings for the workstation



### Voltage Settings

Allows users to change the output voltage of each channel



### Workstation Settings

Allows users to perform routine/maintenance task on the workstation



### Display Settings

Allows users to adjust the display timeout and brightness of the display and keyboard light



### User Settings

Allows users to configure/add user accounts and configure the optional medication bins



## WIRELESS SETTINGS

Network related information should be uploaded to the Enovate Secure Portal at the link below:

<https://secureportal.myenovate.com>

### To Manually Add a Network

1. Enter the network name (SSID) and the passphrase.
  - a. If the network is hidden, select “Hidden Network.”
  - b. If the network is Radius, select “Radius Network.”
    - i. Enter the username and password provided for the radius network.
2. Click “Add/Update Network”, then click “close” on the confirmation box.

### To Update a network

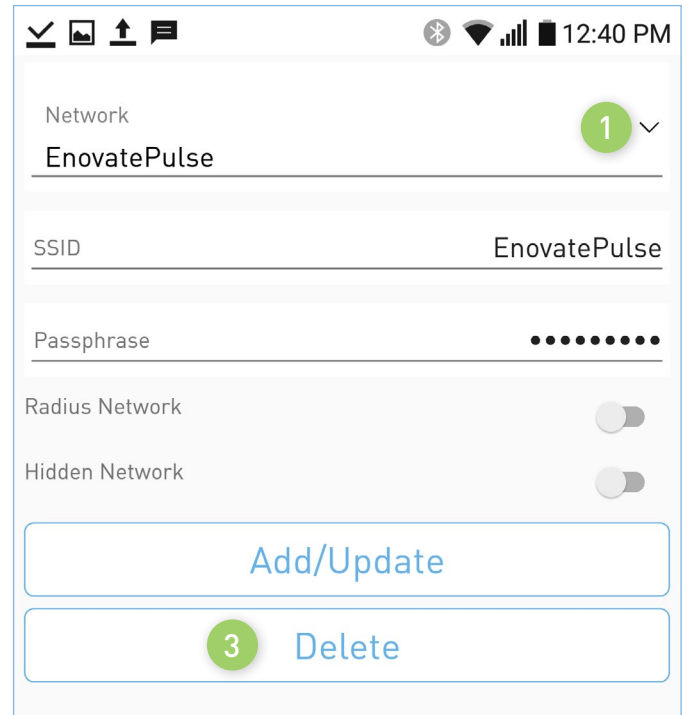
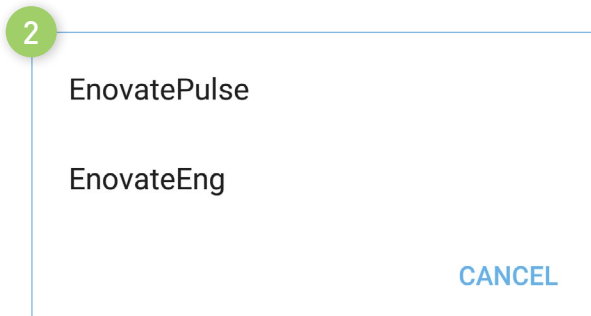
1. Click the down-arrow next to the SSID to bring up a list of networks saved to the workstation.
2. Select the network you wish to modify.
3. Make the needed changes, then click the “Add/Update Network” button. Click “Close” on the confirmation box.



## WIRELESS SETTINGS (CONT'D)

### To Delete a Network

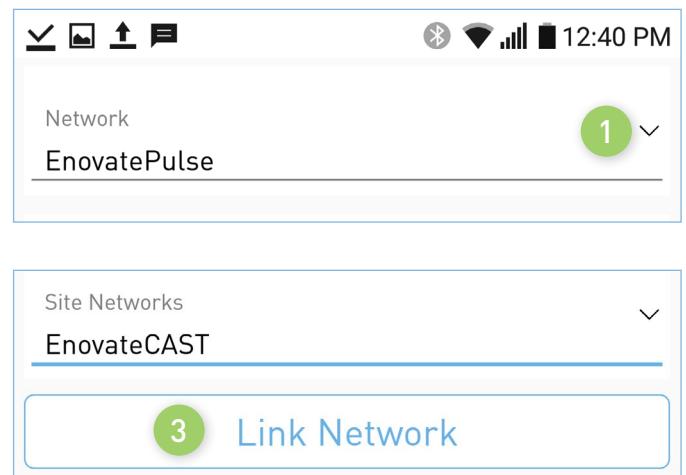
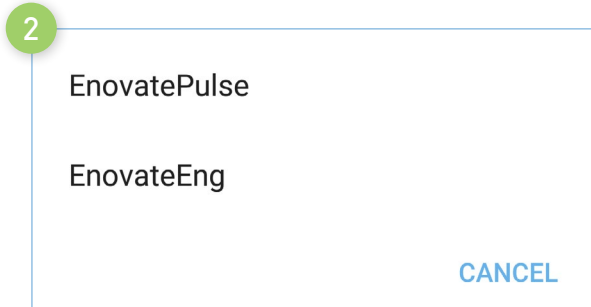
1. Click the down-arrow next to the SSID to bring up a list of networks saved to the workstation.
2. Select the network you wish to delete from the workstation.
3. Click "Delete" to remove the network. Click "Close" on the confirmation box.



### To Link a Network

(Network information is uploaded via the Secure Network Portal)

1. Select the SSID of the network you wish to link using the dropdown menu.
2. Choose the network from the list you wish to link to the workstation.
3. Next Click "Link Networks". Then click "close" on the confirmation box.





## VOLTAGE SETTINGS

1. Show the current voltage setting for the channel.
2. To change the voltage, use the slide ruler.
  - a. Slide the ruler left to decrease the voltage.
  - b. Slide the ruler right to increase the voltage.
3. Show the current DC Timeout setting for the channel.
4. To adjust the DC Timeout settings, use the slide ruler.
  - a. Slide the ruler left to decrease the time limit.
  - b. Slide the ruler right to increase the time limit.
5. Click “Update Voltages” to save the settings.

1 DC 1 : 19

2

DC 2 : 12

DC 3 : 12

3 DC 1 Timeout : 15

4

DC 2 Timeout : 15

DC 3 Timeout : 60

5 Update Voltages

Wi-Fi, Lightning Bolt, Directional Pad, List, User Profile with Gear



## WORKSTATION SETTINGS

### 1. Calibrate Workstation

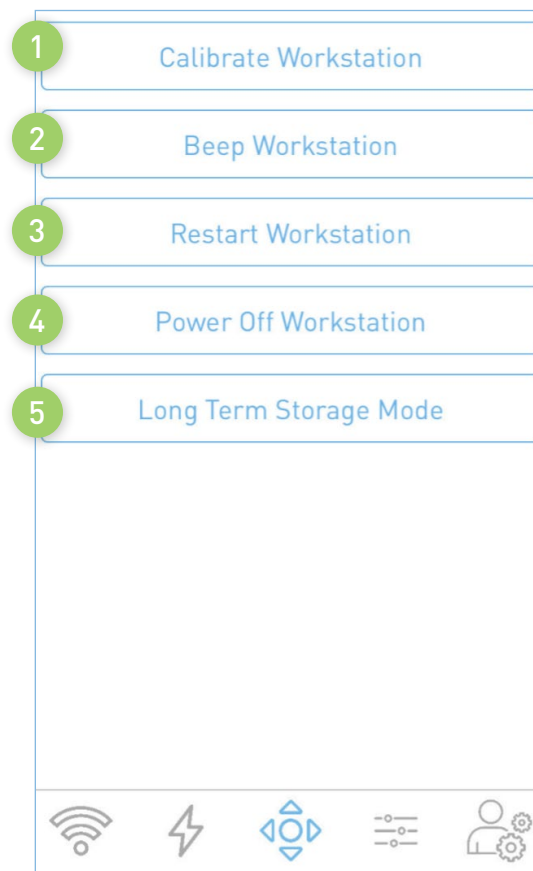
- a. Click “Calibrate Workstation” to start the calibration process.
- b. The calibration routine will take about 2 minutes.
- c. The workstation will lower to its lowest point, raise to its highest point, then down one step down.
  - Please ensure the workstation is not in use, all items have been removed from the tabletop and that there is at least 1ft of clearance on each side of the workstation prior to starting the calibration.
  - Please ensure all accessories are secured properly to the workstation.
  - The touch-display will not function during the calibration process.

2. Beep Workstation – The workstation will emit a low-level audible alert momentarily

3. Restart Workstation – Restarts the workstation

4. Power Off Workstation – Powers off the workstation

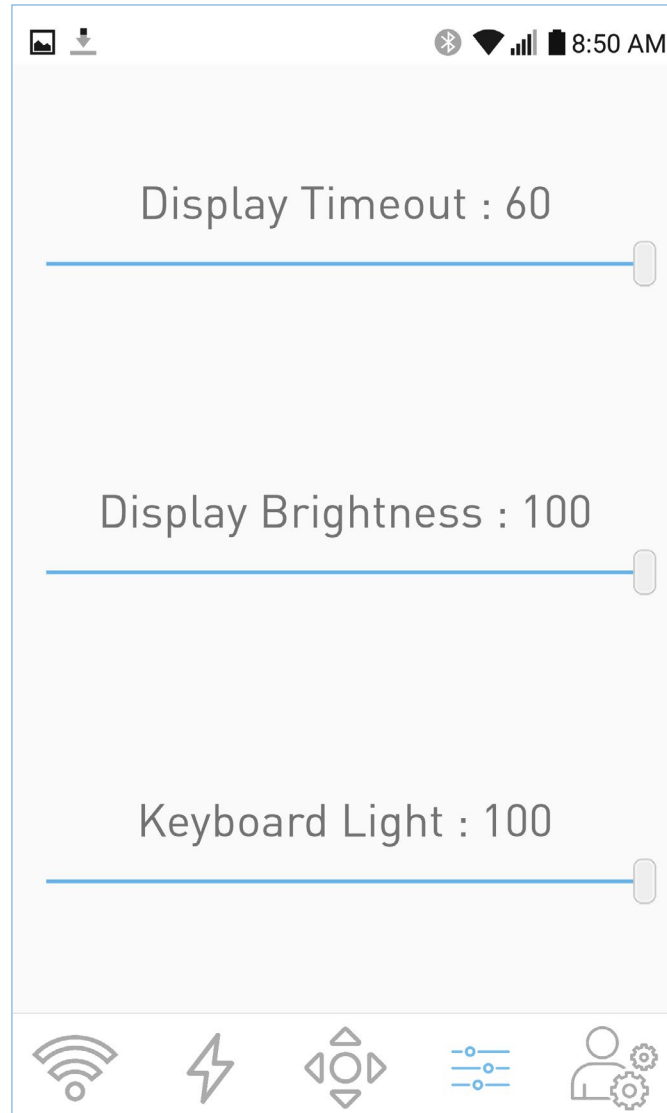
5. Long Term Storage Mode – Use when workstation will be stored for an extended period of time





## DISPLAY SETTINGS

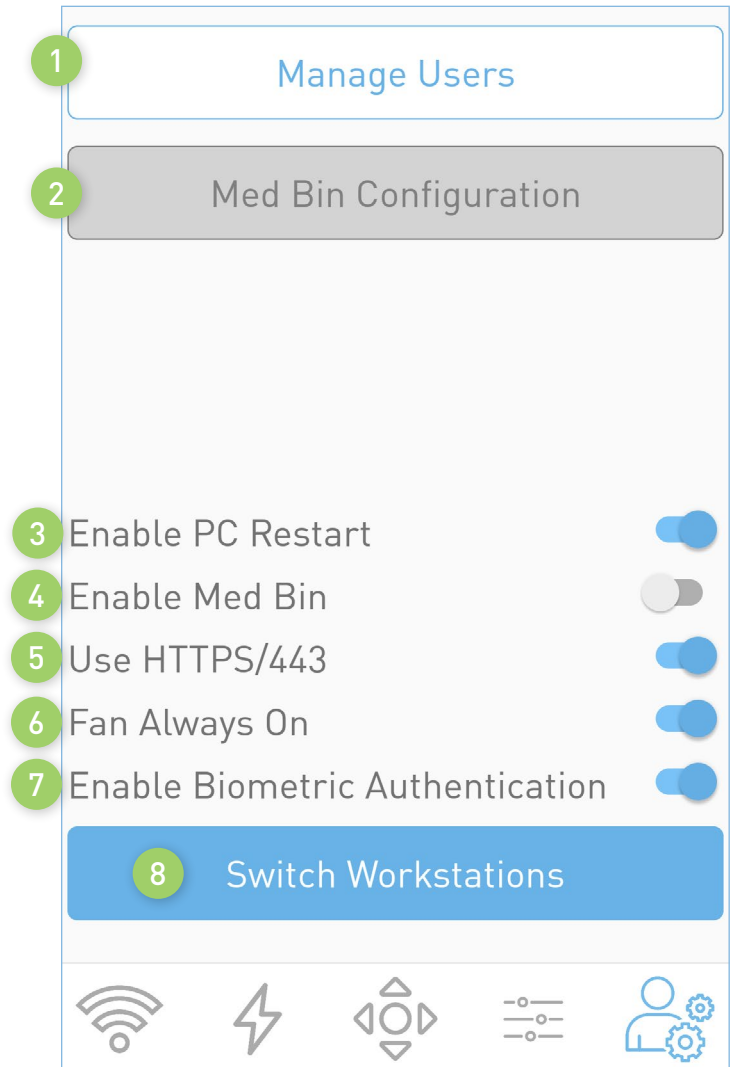
Use the slide rulers to adjust settings.





## USER SETTINGS

1. **Manage Users** – Allows administrator to edit workstation users.
2. **Med Bin Configuration** – Allows administrators to edit the Med Bin options.
3. **Enable PC Restart** - Allows Administrators to Enable or Disable the restart PC function.
4. **Enable Med Bin** – Used to enable or disable Med Bins.
5. **Use HTTPS/443** - Allows users to select between port 80 or 443.
6. **Fan Always On** - Configure cooling fan settings.
7. **Enable Biometric Authentication** – Allows user to login using their finger print.
8. **Switch Workstations** – Allows users to manage another workstation.





## USER SETTINGS: MANAGE USERS

To edit and add users to the workstation, select “Manage Users” from the User’s settings menu.

### To Delete a User:

1. Select the user from the drop-down box
2. Click the Delete Button

### To Edit Users:

1. Select a user from the drop-down box.
2. Change/Update the entries of your choice
3. Click the “Update Button” at the bottom

The screenshot shows the 'Edit User' screen in the emCONTROL mobile app. The screen is titled 'Edit User' and has a back arrow on the left and a plus sign on the right. The form contains the following fields:

- User: Select a User (dropdown menu)
- First Name: Enter First Name
- Last Name: Enter Last Name
- Email: Enter Email
- ID Code: Enter ID Code
- Medbin Pincode: Enter Medbin Pincode
- BLE 1: Enter BLE 1 (optional)
- BLE 2: Enter BLE 2 (optional)
- BLE 3: Enter BLE 3 (optional)
- Sit: Enter Sit Position
- Stand: Enter Stand Position
- Display Brightness: Select Display Brightness (dropdown menu)
- Keyboard Light: Enter Keyboard Light Brightness

At the bottom of the screen, there are two large buttons: 'Update' (blue) and 'Delete' (red). The status bar at the top shows the time as 8:50 AM and various system icons.



## USER SETTINGS: MANAGE USERS (CONT'D)

### To Add a New User

1. Click the “+” sign next at the top of page to open the “Add User” window.
2. Enter the new user’s information into the empty fields.
3. Press “Save” to save the changes and add the new user.



## USER SETTINGS: MED BIN CONFIGURATION


1. To change the Med Bin configuration, open the Med Bin Configuration from the User Settings screen.
2. Swipe through the images until you locate the image that matches your Med Bin layout. Select it.
3. Adjust timeout alarm delay
  - a. Default: 5
  - b. Max: 999999
4. Press to save/update the configuration


Manage Users


1 Med Bin Configuration


<
Select Med Bin Configuration


2


  
 ENVD2001


  
 ENVD2002


  
 ENVD2003


  
 ENVD2004


  
 ENVD2005


  
 ENVD2006


  
 ENVD2007

  
 ENVD4001

  
 ENVD4002

  
 ENVD2008

  
 ENVD4003

  
 ENVD4004

**Drawer Timeout**

3

5

 minutes

4 Save Med Bin Configuration

# COMMUNICATION AND SECURITY

## Technical Overview

Power System, Electrical, and Battery information from **EcoFlex** (Envoy) and **Mobius** devices utilizing our RHYTHM or PulseTech Web solution is communicated in binary format over port 80 (HTTP), or 443 (HTTPS) for EcoFlex/Envoy, back to our Enovate API residing on Enovate servers. All connections are initiated by the device (outbound), and an inbound connection cannot be initiated from Enovate's Cloud servers. EcoFlex devices use certificates and various standard methods to ensure security and prevent impersonation.

Enovate requires that the hospital's network allow HTTP or HTTPS connections to be made to Connect. MyEnovate.com to send packet data; this address currently resolves to 40.122.135.195. We also require Ports 22222, 80 (HTTP), and 443 (HTTPS) to be open to allow updates to be applied to the workstations, and this requires connections to 52.173.141.5, 35.186.238.101, and 40.77.70.7. These are the only two addresses and ports that need to be accessible for Mobius or EcoFlex connectivity.

No direct connections to the device can be initiated by Enovate. All remote management, updates, and diagnostic functions of Enovate devices are achieved through responses to the connection initiated by Mobius or EcoFlex.

## Mobius Devices

- 2.4 GHz frequency
- Standards a/b/g

Network Types Supported:

- WEP
- WPA-Personal
- WPA/WPA2 Mixed (WPA2 TKIP+AES)
- WPA2-Personal

And the following encryption types (where applicable):

- TKIP
- AES

Mobius devices currently support WPA2-Enterprise with **PEAP** authentication, **but do not support EAP-TLS, EAP-TTLS, or other Radius Server configurations**. Mobius Bay Chargers do not support any form of WPA2-Enterprise or Radius network. For customers with modern Radius or ISE Servers, we recommend setting up a network using WPA2-Personal and/or utilizing a MAC Address Whitelist on your WPA2-Enterprise network in place of user/password PEAP authentication for Mobius devices.



For networks that do not support or wish to use the above security protocols, retrofit hardware is available to upgrade Mobius Workstations to support the same wireless network types as EcoFlex (detailed below).

## EcoFlex Workstations

- 2.4 and 5 GHz frequencies
- Standards a/b/g/n/ac

### Network Types Supported:

- Open
- WEP
- WPA
- WPA/WPA2 Mixed (WPA2 TKIP+AES)
- WPA2-Personal (WPA2-PSK)
- WPA2-Enterprise (RADIUS)

### Authentication methods:

- EAP-TLS
- EAP-TTLS (Tunneled TLS)
- PEAP (Username / Password)

### Handshake/Inner Authentication Supported:

- PAP
- MSCHAPV2

All information that is sent to Enovate that is used for diagnostic, reporting, and technical services is stored in a secure database that is not accessible to any third parties or applications besides Enovate. Customer device Information that is sent back to Enovate can be viewed in detail through Pulse Tech Web and Rhythm, Enovate's customer facing applications.

Please contact [TechnicalServices@EnovateMedical.com](mailto:TechnicalServices@EnovateMedical.com) for any further information.

