

# SimCartRx™ Elite Quick Start Guide

## Welcome

SimCartRx™ Elite is built specifically for simulation and provides a realistic experience of medication delivery. The ability to scan patient and medication barcodes, along with wireless access to SimEMR® patient records brings a true-to-life dimension to your simulations and bedside charting experience.

## SimCartRx™ Elite Model

A high-level, fully-integrated, mobile medication station with lockable drawers, replicates the realism of bedside medication administration for point-of-care delivery. The optimized design of SimCartRx™ Elite is heavy duty, yet elegant, providing comfortable and efficient operation and transport.

**Mobile charting workstation with built-in control touchscreen**

**Power assist drive with emergency braking system**

**Swappable battery system**

**Multifunction lift/tilt system for enhanced ergonomics**

**All-in-one touchscreen computer w/mount**

**Barcode Scanner, computer keyboard, and mouse**

**8 electronic, independently operated medication drawers**

**3 batteries and independent charging station**

**Estimated 8 hour run time**

**SimEMR® (cloud-based EMR)\***

1-year subscription, unlimited licenses (first-time customers only, not applicable for MedSkills™ purchases)

**SimAssess™ (cloud-based rubric assessment software)**

1-year subscription, 1 professor license

**MedsManager™ (software for medication administration)**

Only with specific software bundles

**Assembly instructions (minor customer assembly)**

**Standard KbPort™ parts warranty (1-year)**

## Overview of Cart Systems

### Batteries

Each SimCartRx™ Elite ships with 3 batteries, as well as a charger for those batteries.

### Power Drive System

SimCartRx™ Elite features a powered drive system, allowing electric motors to propel the cart ahead of a driver. The two rear wheels provide power, while the front wheels are steerable.

### LCD Screen

The LCD screen on the front of the cart provides functionality for controlling the drawers, batteries, and height of the cart components.

### All-in-One Computer with MedsManager™

The All-in-One computer mounted on the cart provides a software interface for managing the inventory.

# Getting Started

## Charge the Batteries

The first step in preparing your cart for use is to charge the batteries. SimCartRx™ Elite ships with 3 batteries, as well as an AC charger for the batteries. SimCartRx™ Elite requires at least one charged battery to be operational. Two can be loaded for a longer operational life between charges. After unwrapping the battery charger, connect the AC power cable to the battery charger.

1. Unwrap the battery charger.
2. Connect AC power cable to the battery charger and plug it into a wall outlet.



3. Flip the switch on the side of the battery charger to power it on.



4. Insert battery into a charging well. Two batteries may be charged at a time. Red LEDs indicate charging is in process. One LED will turn green when the battery is fully charged. Verify by pressing the power button on the top right corner of the battery face. 4 LEDs will light up on the battery if it is fully charged; fewer LEDs light up if the battery is less than fully charged.

## Powering the Cart

To power up the cart, you must first insert a charged battery. The battery bays are located on the left and right sides of the cart base. Utilize the following steps to open one or both of the battery bays to load a battery.

1. Reach underneath the battery box to find a small lip.
2. Utilizing the lip, pull the battery box open.



You may hear a whirring, grinding noise. This is normal. Continue to pull until the drawer stops.



3. The battery receptacle will be in a horizontal position by default. Reach down into the battery box and push the back of the receptacle down, to properly orient the compartment for battery placement.
4. Insert the battery.



5. Push the battery down to reposition the receptacle so the battery box can be closed.

 When the cart is already powered on, reference Loading or Unloading a Battery (page 7) .

- The cart is now ready to power on. Flip the power switch under the white tray on the back of the cart into the on position.



## Power Drive

The power drive feature of SimCartRx™ Elite allows the cart to propel itself from place to place with human guidance. After the cart is powered on, the power drive feature is available. On the front of the cart, under the right hand grip, sits a blue lever. This lever acts like the gas pedal on a car, as pressing it will cause the cart to move forward.

In order for the power drive to function, a hand must be gripping the blue rail on the right (see 1.). A safety sensor is present that will deactivate the power drive if the handle isn't being held, preventing runaway carts. On the opposite handle, there is a red button that can be pressed to disengage the power drive system, in the event it does not shut down. This is an emergency feature and should not be needed during normal operation of the cart.

The front wheels pivot to allow steering. They also include locks to prevent the cart from moving, which can be conveniently pressed by foot (see 2.).



## Using the Touchscreen

The touchscreen on the front of SimCartRx™ Elite can be used to access the hardware’s functionality directly. The most important actions are logging in, unlocking and opening drawers, and raising and lowering the moving parts of the cart.

### Logging In

To login via the SimCartRx™ Elite touchscreen, the cart must be powered on. Tapping on the *Username* input that appears on the touchscreen will prompt you to enter a username. The username is “123”, which can be entered using the displayed pin pad. Press **[OK]** after entering the username. You will repeat the same process for the *Password* input. The password is also “123”. Select **[OK]** after entering the password.



### Main Menu

After entering the username and password, you will be greeted with the main menu. From here, you can view information on the various cart systems, as well as perform normal mechanical operations.



## Opening or Closing the Drawers

1. Select **[DRAWERS]**.



2. Select a **[DRAWER#]** to open it.



The lock icon to the right of the screen is open here, allowing the drawers to be opened. If the lock is closed, the drawers are locked and will need unlocked before they can be opened.

If the drawers are locked, select **[LOCK/UNLOCK]** which will prompt you to enter a password. Enter "123" and select **[OK]**. You should hear an audible click as the drawers unlock.

Note, only one drawer from each column can be opened at a single time.

3. Select the same **[DRAWER#]** to close the drawer.



### Loading or Unloading a Battery

1. Select **[BATTERY BOX]**.



 Note, only use this section if you already have a battery loaded in the cart. As the cart requires batteries to operate, this section will not be usable if there are no batteries loaded.

2. Tapping either **[LEFT]** or **[RIGHT]** will open the corresponding battery box, for loading or unloading a battery. Selecting the same button will close the box.



## Raising or Lowering the Workbench

The workbench is the portion of SimCartRx™ Elite comprising the white tray work surface, the LCD touchscreen, and the drawer body. SimCartRx™ Elite contains a power raise and lower system for the workbench, allowing users to quickly adjust the ergonomics of the cart to match their requirements.

1. Select **[WORKBENCH]**.



2. Select **[UP]** or **[DOWN]** to raise or lower the workbench.



## Raising or Lowering the All-in-One Computer

The All-in-One (AIO) computer is mounted to SimCartRx™ Elite on a telescoping post. The telescoping post allows users to raise and lower the computer, enabling them to change the ergonomics of the cart to match their requirements.

1. Select **[AIO]**.



2. Select **[UP]** or **[DOWN]** to raise or lower the AIO post.



### Changing the Light Functions

SimCartRx™ Elite includes a light strip mounted over the keyboard tray. The light function can be adjusted to user preferences. There are three lighting options to be aware of, all of which are applicable only when the keyboard tray is open:

- 💡 **Auto:** Light on when room is dark. Green bulb icon.
- 💡 **On:** Light always on. Yellow bulb icon.
- 💡 **Off:** Light always off. Blue bulb icon.



1. Select **[LIGHTING]**.



2. Select **[AUTO/ON/OFF]** until you have chosen a lighting option.



### Loading and Unloading the Drawer Cassette

SimCartRx™ Elite drawers are contained in a cassette that can be removed for maintenance, transport, easy stocking, or individually assigning cassettes to clinicians. Unloading the cassette will allow the drawers to be separated from the cart. Loading the cassette will prepare the cart to be used after the cassette was unloaded.

1. To unload the cassette, select **[CASSETTE]**.



2. Enter "123" in the password prompt.
3. Select **[OK]**.



4. You should hear and see the cassette unload. Pull the cassette out as shown.



5. In order to load the cassette, first repeat steps 1 - 3.
6. Place the cassette on the cassette tray. Make sure it is seated squarely, and push the cassette firmly into the cart body.



Be sure to push all of the drawers closed, as some may have become unlatched as a part of the loading process.

## Checking Battery Status

SimCartRx™ Elite features a battery status indicator that provides detailed information about the batteries that are currently loaded, such as percentage of charge remaining, voltage, temperature, and current.

1. Select **[BATTERY]**.





## Closing Remarks

SimCartRx™ Elite is designed for use with KbPort™ Medication Dispensing Solution software bundles. Please consult the Quick Start Guide(s) for your specific software bundle to learn how to use SimCartRx™ Elite for medication administration. Available Quick Start Guide combinations include:

[MedsManager™ Quick Start Guide + SimEMR® Quick Start Guide](#)

[MedsManager™ Quick Start Guide + MedSkills™ \(local or Enterprise\) Quick Start Guide](#)

[MedsManager™ Lite Quick Start Guide](#)

Our support staff and education consultants are more than happy to help fill in the details of specific features, support the education of how to accomplish desired workflows, and assist in any technical questions you may have.

Thank you,

KbPort™ Simplicity™ Team

