**CAPSA**HEALTHCARE

Computing Workstations

# Trio™ Computer Carts

## User Manual



Elevating performance, every day.

Part # 810339 Trio User Manual Rev E

# Legal

# Contents

# Warnings

| Color | Severity |
|-------|----------|
| <span style="background:yellow">    </span> | **CAUTION.** This indicates a hazardous situation that could result in minor or moderate injury if not avoided. |
| <span style="background:orange">    </span> | **WARNING.** This indicates a hazardous situation that could result in serious injury or death if not avoided. |
| <span style="background:red">    </span> | **DANGER.** This indicates a hazardous situation that will result in serious injury or death if not avoided. |

| Symbol | Meaning |
|--------|---------|
| △ | **IMPORTANT.** This indicates a situation that does not present any hazard but is very important in maintaining a well-functioning workstation. |
| ⚠ | **ATTENTION.** This indicates a potentially hazardous situation that could result in minor or moderate injury if not avoided. |
| ⚡ | **ELECTRICAL.** This indicates an impending electrical hazard that could result in personal injury, fire, or death if not avoided. |

### ⚠ CAUTION: MOVING PARTS!

**DO NOT** adjust the lift mechanism until the cart has been outfitted with technology. Failure to do so may cause the shuttle and work surface to rise rapidly when the actuator is released, potentially causing personal injury or damage to the cart.

### ⚡ WARNING: POTENTIAL SHOCK!

To avoid potential electrical shock, **DO NOT** simultaneously touch any cart system components and the patient or any apparatus not connected to the cart system. Electric current may try to flow through you between the Trio™ system and the other point of contact as it seeks the easiest path to the ground.

## WARNING: FIRE HARZARD!

Equipment not suitable for use in the presence of a FLAMMABLE ANESTHETIC FIXTURE WITH AIR, or with METERED OXYGEN or NITROUS OXIDE.

DO NOT use a flammable cleaner on the station as it can result in fire or explosion.

## WARNING: ELECTRICAL CORDS CAN BE HAZARDOUS!

The supplied power cord is rated for medical use. Connecting the cord to an outlet that is not medical grade (indicated with a green dot) will not ensure grounding protection.

Where the integrity of the external PROTECTIVE EARTH GROUND CONDUCTOR arrangement is in doubt, the equipment shall be operated from its internal electrical power source (battery).

The power cord, USB extension, and workstation are for INDOOR use only. **DO NOT OPERATE OUTDOORS.**

Keep the power cord away from water. **DO NOT PLUG THE CORD INTO AN OUTLET IF THE CORD IS WET.**

Inspect the power cord before integration. **DO NOT USE THE POWER CORD IF IT IS DAMAGED.**

Fully insert the power cord plug into the outlet. **DO NOT** unplug it by pulling on the cord. **DO NOT** remove, bend, or modify any metal prongs or pins of the power cord.

**DO NOT** use excessive force to make mechanical or electrical connections.

**DO NOT** use an electrical extension cord with your workstation.

Properly stow the cord in the retaining clip to avoid potential injury or damage to the plug/insulation.

***DO NOT OPERATE THIS PRODUCT IF IT IS WET.*** If the product becomes wet, unplug it immediately, wipe off any excess liquid and allow it to dry before using it again.

Do not obstruct the cooling vents.

Do not overload the cart. The combined weight of all customer-installed technology is not to exceed 30 lbs (13.6 kg).The weight of the monitor is not to exceed 15 lbs (6.8 kg). Refer to **Trio Cart Weight Capacities** on page 13 for more information.

Do not use the cart to power equipment that is not part of the configured cart system.

Do not connect equipment that is not mounted on the cart into the power system outlets. The power system is designed to power only equipment that is mounted on the cart.

Connecting electrical equipment to the MSO effectively leads to creating an ME SYSTEM and the result can be a reduced level of safety.

The responsible organization should refer to standard 60601-1 for requirements that are applicable to a medical device system.

To avoid the risk of electric shock, this equipment must only be connected to a supply main with protective earth.

Do not modify this equipment without authorization from the manufacturer.

Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be monitored to verify that they are operating normally.

Use of accessories, transducers, and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

Portable RF communications equipment, including antennas, can affect medical electrical equipment. Portable RF communications equipment can be used no closer than 12 inches (30 cm) to any part of the Trio™ Mobile Computer Cart, including cables specified by the manufacturer.

Replacement of the lithium batteries (LiFePO4 and external) should only be performed by adequately trained personnel.

This product can expose you to chemicals including styrene and lead, which are known to the State of California to cause cancer. For more information see www.P65Warnings.ca.gov.

# Introduction

## Statement of Use

The Trio™ Mobile Computer Cart is designed and manufactured by Capsa Healthcare. Capsa Healthcare's goal is to elevate your performance by offering innovative solutions that positively impact clinical effectiveness and enhance medication management processes throughout all healthcare environments.

- The Trio Mobile Computer Cart is a mobile computing workstation cart designed for safe use in general patient areas for the purpose of clinical data entry and retrieval and medication delivery.
- The Trio Mobile Computer Cart is not intended for home use.
- The Trio Mobile Computer Cart has no potential electromagnetic or other interference risks when operated according to guidelines covered in this instruction manual.
- The EMISSIONS characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re-orienting the equipment.
- The responsible organization shall refer to standard 60601-1; assembly of ME SYSTEMS and modifications during the actual service life require evaluation to the requirements of this standard.

To ensure safety, please read this manual carefully before installation and follow the instructions herein. Store this manual in a secure place for future reference.

The manufacturer shall not be legally responsible for any equipment damage or personal injury caused by incorrect installation or operation other than that covered in this manual.

While Capsa Healthcare strives to provide complete and accurate information, it will not be held liable for any editorial errors or omissions.

Capsa Healthcare reserves the right to make changes to the documentation without advanced notice to the customer.

Specifications and product attributes are subject to change without notice.

**Capsa Healthcare**
4253 NE 189th Avenue
Portland, Oregon 97230
Customer Service: 800.437.6633
**Web site:** www.capsahealthcare.com

# Box Contents



**Trio Cart**

**Security Keys (2)**
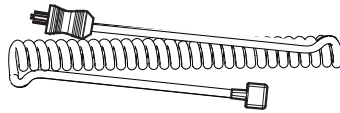
**Power Cord**

**Accessory Kit**

**Trio User Manual**
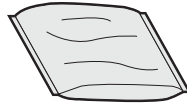
**Power Cord Clip**

**Mouse/Keyboard Cord Clips**
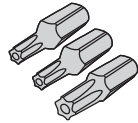
**Security Bit Kit**
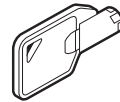
**Drawer Module Lock Override Key**
Carts equipped with drawer modules only

# Overall View
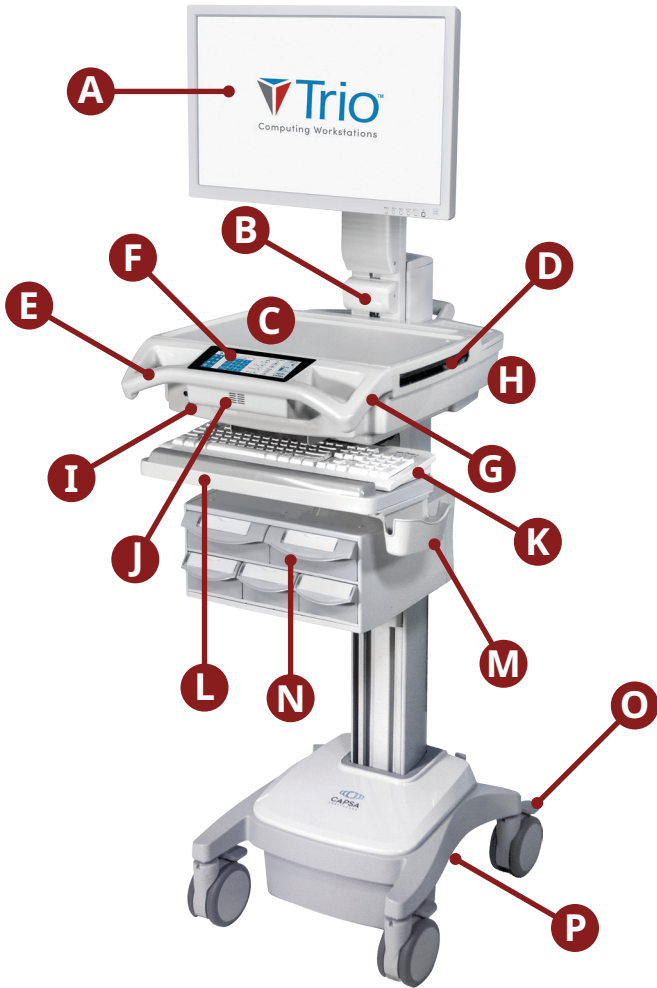


*Figure 1: Components of Trio Carts (front view)*

**A.** Monitor [1]

**B.** Work Surface Task Light

**C.** Work Surface [2]

**D.** Extending Work Surface [3]

**E.** N-Stride Trigger [3]

**F.** Touchscreen (Trio)/Keypad Panel (Trio LT/Trio NP)

**G.** Manual Height Handle [3]

1. Customer provided

2. Optional

3. Some models

**H.** Technology Box

**I.** Work Surface Lock

**J.** Keyboard Task Light

**K.** Keyboard [1]

**L.** Keyboard Tray

**M.** Mouse Holder

**N.** Storage Modules [3]

**O.** Locking Caster

**P.** Ground Task Light [3]
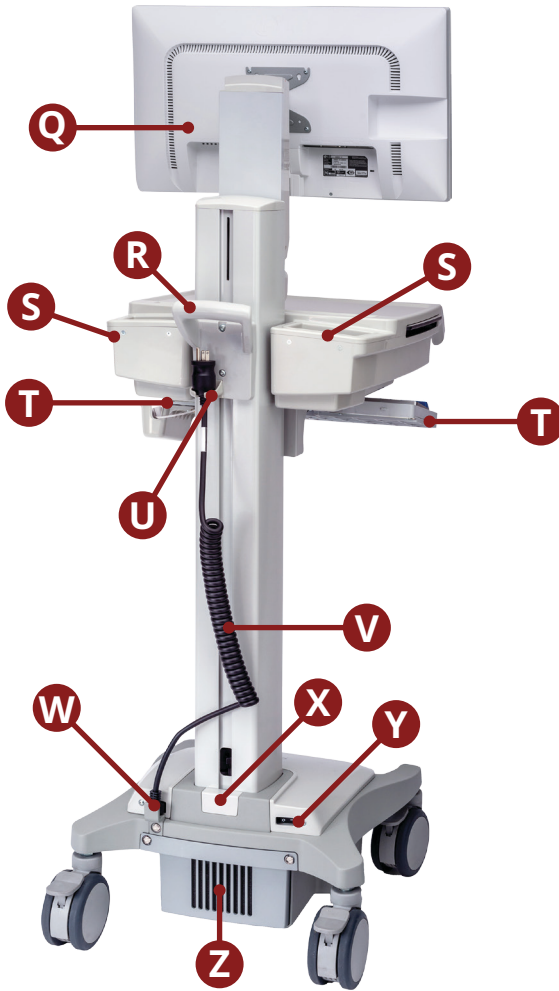
*Figure 2: Components of Trio Carts (rear view)*

**Q.** Adjustable Monitor Mount
**R.** Rear Handle
**S.** Accessory Bin (2)
**T.** Extending Mouse Tray (2)
**U.** Power Cord Holder

**V.** Power Cord
**W.** Power Jack
**X.** Serial Number Label
**Y.** Power Switch
**Z.** Fan Intake

# Trio Cart Weight Capacities

**IMPORTANT:** The maximum weight for all technology and accessories must not exceed 30 lbs (13.6 kg). Storage options and their contents do not count against the 30 lb limit. Individual weight limits shown below must not be exceeded.



**15.0 lbs**
**6.8 kg**
Monitor Mount

**2.5 lbs**
**1.13 kg**
Accessory Bins
(per bin)

**5.0 lbs**
**2.27 kg**
Work Surface

**3.0 lbs**
**1.36 kg**
Extending Work Surface

**5.0 lbs**
**2.27 kg**
Keyboard Tray

**2.0 lbs**
**0.91 kg**
Large Storage Bins
(per bin)

**1.0 lb**
**0.45 kg**
Small Storage Bins
(per bin)

**1.3 lbs**
**0.59 kg**
Medium Storage Bins
(per bin)

# Setup

## Install the power cord
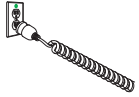
**⚠ CAUTION: POTENTIAL CORD DAMAGE!**

**DO NOT** extend the cord beyond 6 feet (1.8 meters)! Stretching the cord any further may damage it!

1. Remove the protector covering the power jack (**W** on Figure 2, page 12) by removing the slotted D-Ring screw that secures it to the cart.
   To remove the screw, flip up the D-Ring and turn it counter-clockwise.

2. Plug the power cord into the cart.
3. Reinstall the power input protector.

**4.** Put the plug in the power cord holder (**U** on Figure 2, page 12).



> **IMPORTANT**
>
> The supplied power cord is rated for medical use.
>
> Be sure to connect the cord to an outlet that is medical grade (indicated with a green dot) to ensure grounding protection.

# Initial battery charge

When a cart is new or has been removed from service for more than 30 days, the battery may need to be charged. Plug the power cord in to a functioning wall outlet.

# Turn on the cart

Turn on the power switch, located on the left rear side of the base (**Y** on Figure 2, page 12).

- If the battery does not have enough charge to power up the cart, then plug the power cord into the wall.
- If the screen is dimmed, touch it to wake it up.
- On Trio LT, if the light around the power button is off, touch (but don't press) the button to turn on the button light.

# Remove the work surface

1. Insert the security key into the work surface lock (**I** on Figure 1, page 11).
2. Turn the key counterclockwise to unlock the work surface.



3. Lift the front of the work surface, and pull it forward.

**4.** Install the consumer–supplied technology devices into the Technology Box.
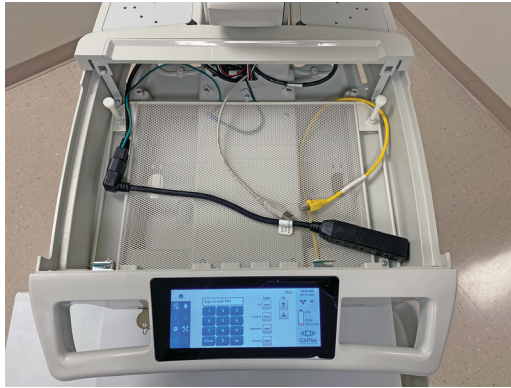


> **NOTE:** On the Trio NP (Non–Powered) cart, power for the keyboard light is supplied only through the installed technology devices.

# Replace the work surface

**1.** Align the work surface rear pins with the openings on the brackets of the technology tray as shown.



**2.** Lower the front of the work surface and engage the latches at the front of the technology box.
**3.** Turn the security key clockwise to lock the front latch.
**4.** Remove the security key.

# Adjust the manual work surface lift system

> **NOTE:** This feature is not available on carts with the electronic work surface lift system.

If the work surface seems difficult to raise, or seems to fall too easily, you may need to adjust the work surface manual lift system.

**1.** Use a soft tool to pry and remove the rear column cap.



**Column cap**

**2.** Using a 17mm (¹¹⁄₁₆") wrench rotate the exposed adjusting screw clockwise to increase the preload, counter–clockwise to decrease.
**3.** Raise and lower the work surface to test the adjustment.

> **NOTE:** The lift is properly adjusted when the work surface will raise and lower with approximately the same effort.

**4.** Repeat the adjustment and test as necessary.
**5.** Replace the rear column cap.

# Install the monitor

> **NOTE:** Two people should install the monitor.

For the pivoting monitor mount:

1. Pivot the mount head to allow access to the mounting holes.



2. Use the mounting screws provided with the monitor to attach the monitor to the mount faceplate.

For non-pivoting monitor mounts, use the screws provided with the monitor to attach the mount to the monitor.

- The mounting holes may need to be enlarged to accommodate the monitor mounting screws.
- If mounting screws are not provided along with the monitor, refer to the monitor documentation for the correct mounting screw size.
- It may be easier to connect the monitor cables while the monitor is off the cart.

# Adjust the monitor lift system

If the monitor seems difficult to raise or creeps downward, the monitor lift system may need to be adjusted.

1. Insert a 5mm (³⁄₁₆") hex wrench into the opening on the top of the column.
2. Rotate the wrench clockwise to increase the weight capacity of the monitor mount, counter-clockwise to decrease.

# Turn off Demonstration Mode

Trio is shipped in a Demo mode with a list of demo PIN codes to show the full functionality of the cart. In order to remove the cart from Demo mode and remove the demo PIN codes, N-Sight fleet management must be enabled for your facility, and the cart must be connected to the Internet to obtain your facility's configuration.

For best security, we recommend that you keep the cart connected to N-Sight to receive future updates. If this can't be done, you should perform an initial one-time setup to secure the cart by removing the demo PINs and substituting your facility's selection of PIN codes. If you need assistance, please contact Capsa Healthcare service at **https://www.capsahealthcare.com/request-service**, via email at **info@capsahealthcare.com**, or on the Help Line at 800.437.6633.

Demo PINs:

- Nurse .................................. 0400
- IT .......................................... 6000
- Nurse Manager .............. 0500
- Pharmacy ......................... 2000
- Nurse 0 ............................. 1234
- Nurse 1 ............................. 1111
- Nurse 2 ............................. 2222
- IT 0 ..................................... 0000
- IT 1 ..................................... 1000
- Nurse Manager 2 ........... 8034

# Connect Networks

## Connecting Wi-Fi

To start, tap the ⚒ **Tools** button, then tap **Network Settings**.

> **NOTE:** Only users with the **Can Access IT Menus** setting turned on for their account through N-Sight can change network settings.

### Find available Wi-Fi networks

1. From the **Network Settings** screen, turn on **Wi-Fi Scan**.
2. The cart will present a list of available Wi-Fi networks.
3. Tap the preferred network, then follow the prompts to connect.

**Load Wi-Fi settings from USB**

1. From the **Network Settings** screen, insert the flash drive with the Wi-Fi settings into the USB port.
2. Tap **Import Settings from USB**, then follow the prompts to import the Wi-Fi settings.

**Internet connection sharing**

To share an internet connection from the installed technology device with the cart:

1. Remove the work surface (see **Remove the work surface** on page 16).
2. Plug the yellow cable into the Ethernet port on the device.
3. Tap the ⚒ **Tools** button.
4. Tap **Network Settings**, then follow the prompts to activate the connection.

**Exit Network Settings**

To exit the **Network Settings** screen, tap the ❮ **Back** button.

# Operation
## Quick Start procedure

1. Turn on the cart.
2. Note the condition of the battery.
   The cart may need to be plugged in.
3. Log in (see **Logging in and out** on page 26).
4. Move the cart to the preferred location:
   - Unplug the cart from the wall outlet.
   - Place the plug in the cord holder.
   - Unlock the casters (see **Casters** on page 30).
   - Move the cart.

   > **NOTE:** Leave enough access space between the wall and the cart so it can be easily unplugged.

   - Lock the casters.
5. Adjust the work surface height (see **Lifting the work surface** on page 34).
6. Set task lights as preferred (see **Task lighting** on page 36).
7. When you finish your work cycle, log out from the cart.

**8.** Plug in the cart to charge.

> **NOTE:** Plug the cart into an electrical outlet when it will be left unattended for any length of time.

# Battery charge indicator

For touchscreen carts, the battery charge is shown on the right side of the screen.

When the cart is unplugged, the screen shows a numeric and graphic estimate of the remaining battery life. When plugged in and charging, an the screen shows estimate of the time remaining until the battery is fully charged.
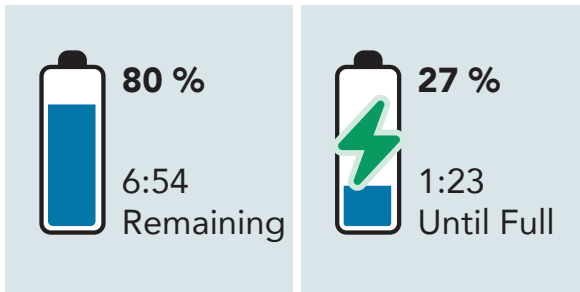


*Figure 3: Battery Level Cart Unplugged (left) and Plugged In (right)*

On the Trio LT, the battery charge indicator is in the center of the keypad panel. When the cart is plugged in, the blue **Charging** indicator lights up.
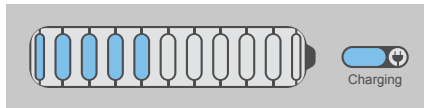


If the battery discharges to a certain level, the cart will prepare to shut down. Before shutting down, the cart will cut the power to any installed technology devices.

On the Trio LT, the orange **Recovery** light will activate.
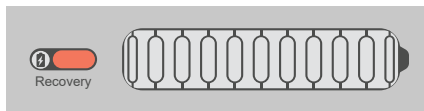


If the battery is fully discharged, plug in the cart and allow the battery to charge enough to be able to power up.

# External battery option

Trio carts have the option to add an external battery. The external battery is seated on the backside of the column near the base.



There is a battery charge indicator on the external battery. Wave your hand within 8" (20 cm) of the infrared sensor to activate the external battery charge indicator.

The external battery indicator lights will activate for 5 seconds to display the remaining battery charge. Each indicator light represents approximately 20% of remaining battery charge. If no indicator lights activate, then the battery is fully discharged.

The cart will use the optional external battery first. When the external battery is completely discharged, the screen will display a red ⚡Replace **Replace External Battery** icon.

To charge an external battery, leave it on a cart that is plugged in and charging. Once the cart battery is fully charged, then the external battery will be charged. (An external battery charger is also available.)

To remove the external battery:

1. Grasp the handle on the top of the external battery, and pull the top of the battery outward from the column.
   Only pull the battery enough so that the two securing pins disengage from the external battery.

**2.** Lift upward and remove the external battery.



Perform the above steps in the reverse order to insert an external battery.

# Using the touchscreen

Keep the screen clean from foreign objects to achieve the best touch sensitivity. Avoid excessive material accumulation on all sides of the border of the screen. Refer to **Cleaning** on page 49 for more information.

## Selecting items on the touchscreen

Tap once on the preferred selection.
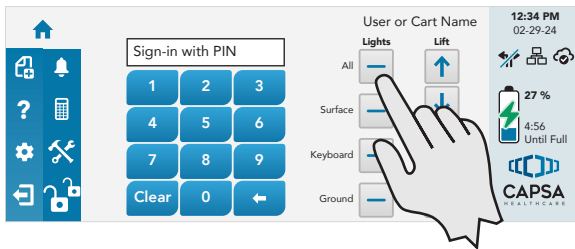
## Displaying a menu

1. Tap the ⌄ **Menu** button to display the menu.
2. Drag to scroll the menu, then tap a menu item to select it.
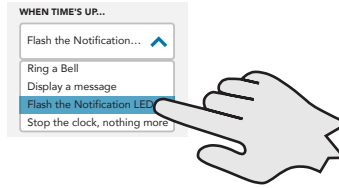


## Returning to a previous screen

Tap the ‹ **Back** button at the top left of the screen. (Not all functions will have this option available.)

## Logging in and out

> **NOTE:** By default, PINs are 4 digits. You can change the required length of PINs up to 8 digits through the N-Sight software.

To log in:

1. Tap the screen to wake it up.
2. Enter your PIN using the keypad.
   As soon as you enter the last digit, the system will either log you in (for a valid PIN), or display an error.

If the PIN is valid, the unit will

- show your user name;
- load your personal settings;
- unlock the drawers (if your account has drawer access); and
- activate additional operations through the screen.

You can specify the maximum number of attempts to enter a valid PIN and the timeout in N-Sight.

To log out from the cart, tap the ⬅ **Log Out** button.

# Storage modules

## Drawer locks

The drawers are accessible when you enter a valid PIN. You can lock the drawers by:

- tapping the **Drawer Controls** button;
- waiting until the drawer lock timer counts down (set this timer in **Preferences**); or
- tapping the ⬅ **Log Out** button.

The electronic drawer lock will not function when the cart has no power. The drawers can be opened by using the manual lock override that is located at the rear of the module.

### Using the one-lock system

1. Log in with a valid primary PIN. The primary lock system will unlock all of the drawers.
2. To lock all of the drawers, tap the 🔓 **Drawer Controls** button. All locks will engage.

### Using a two-lock system (optional)

With a two-lock system, the 🔒 **Drawer Controls** button will have two lock icons displayed. The larger icon shows the lock status of the primary lock system and the smaller icon shows the lock status of the secondary lock system. If there are multiple drawers on the secondary lock system, they will all unlock at once.

To operate the two-lock system:

1. Log in with a valid primary PIN.
   All of the drawers on the primary lock system will unlock.
2. To unlock the secondary lock system, tap the 🔓 **Drawer Controls** button and have a user with the Witness Authorization capability enter their PIN.
3. To lock the drawers, tap the 🔓 **Drawer Controls** button once to lock the secondary drawers, or tap it twice to lock all the drawers.

## Using the manual drawer lock override



**To manually unlock a set of drawers,** insert the lock override key and turn the key clockwise. The lock will click once; keep turning until the lock clicks a second time.

A drawer module may require two keys.

If your cart is equipped with a second locking drawer module, that module requires a different key.

**To lock the drawer module,** turn the key counterclockwise, then remove the key.

## Drawer labeling

You may choose from two ways to label the drawers:
- Wet-erase labels, located on the drawer pull beneath the clear label guard (white for locking drawers, gray for non-locking)
- 4⅛" (10.5cm) × ⅞" (2.2cm) paper or card label placed in the pocket formed by the clear label guard

### Wet-Erase Labels
1. Remove the clear plastic label guard.
2. Use a wet-erase marker (Expo® Vis-A-Vis® or equivalent) to label the drawer.
3. Replace the label guard.

**Paper Labels**

1. Print and cut out a sufficient number of 4⅛" × ⅞" labels.
2. Insert the label between the label guard and the dry erase surface.

# Moving the cart

The cart has four casters to easily move the cart to the preferred location.

Prior to moving the cart:

- Make sure the cart is unplugged from the wall and the cord stored on its hook.
- Retract the mouse pad, keyboard tray, and bidirectional work surface.
- Securely store or remove any items on the work surface.
- Unlock the casters.
- Make sure that the path is clear of any obstructions, then you can safely push the cart.
- Be sure the handles are at an ideal height. The Trio cart is equipped with two contoured, ergonomic front handles and a rear handle.
- You can adjust the height of the front handle and work surface using the height adjustment lever (manual lift) or lift buttons (electronic lift). Adjust the rear handle up or down manually on the t-track.
  Adjust the handles so the cart can be pushed with your forearms straight out from your body and your elbows bent at 90 degrees.
- Engage N-Stride™ as needed.
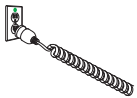
 ⚠ **CAUTION: POTENTIAL CORD DAMAGE!**

**DO NOT** extend the cord beyond 6 feet (1.8 meters)! Stretching the cord any further may damage it!

## Casters

Some casters have locking brakes to keep the casters from being able to roll.



*Figure 4: Caster Locked (left) and Unlocked (right)*

**To lock a caster,** push down on the tab with your toe.

**To unlock a caster,** lift the tab with your toe.

# N-Stride (some models)

N-Stride reduces the motion of the caster posts, which makes the task of moving a loaded cart easier since there is less cart drift to overcome.

Be sure to disengage N-Stride upon reaching a destination room, so that the cart can spin freely in a constrained space.

**To activate N-Stride,** squeeze the trigger that is located beneath the left side of the handle until the cart indicates that N-Stride is active.

When N-Stride is active, the screen shows the N-Stride icon ⫙ on the right side below the time and date.

On Trio LT, the N-Stride indicator light on the keypad panel turns on.



If there is no indicator light on the keypad panel, then N-Stride is not available on the cart.

**To cancel N-Stride,** squeeze the trigger again.

# Positioning the keyboard

The Trio cart features a retractable keyboard tray, mouse pad and optional bidirectional work surface. The retractable surfaces shrink the overall dimensions of the cart to allow passage through confined spaces.



- Pull the keyboard tray out to extend it.
- Push the front edge of the keyboard tray in until it is fully retracted.

The keyboard tray mount lets you raise and lower the keyboard tray in relation to the work surface. You may also tilt the keyboard tray to type while standing.

To raise or lower the keyboard tray:
1. Tilt up the front of the keyboard tray to unlock the mechanism.
2. Push the keyboard tray up or down to the preferred position.

**To tilt the keyboard tray,** rotate the knob located at the center of the keyboard tray mount.
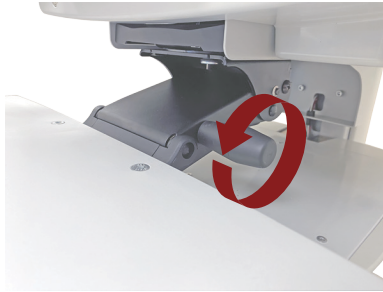


# Extending the mouse pad and work surface

The Trio cart has two mouse pads, one on either side of the keyboard tray.

**To extend the mouse pad,** pull the preferred (left or right) mouse pad out from the keyboard tray Ⓐ. (On some models, the mouse pad swivels out towards the front of the cart.)



**To put away the mouse pad,** push it back under the keyboard (or swivel it back under the keyboard tray).

**To extend the bidirectional work surface,** pull the end of the work surface in the preferred direction Ⓑ. (You may have to push the opposite end of the work surface in order to get a handhold.)

**To put away the work surface,** push the end of the work surface until it is flush with the side of the tech box.

# Adjustable LCD mount

The adjustable LCD monitor mount **A** is designed to allow height adjustment of the monitor and to allow the monitor to pivot 180 degrees.

**To pivot the monitor,** grasp the sides of the monitor, then twist the monitor to the preferred position.

**To raise or lower the monitor,** grasp the sides of the monitor and slide the monitor up or down **B**.



If the LCD mount includes the feature, you can rotate the monitor may 90 degrees. Some configurations will only rotate 90 degrees clockwise or counterclockwise, not both.

**To rotate the monitor,** grasp the sides, then rotate the monitor until it is positioned as preferred, in portrait or landscape position.

If the monitor will only rotate slightly and stops, then your LCD mount doesn't support rotation. Don't force the monitor to rotate. Forcing the monitor to rotate can damage both the monitor and the mount.

Make sure the monitor cables don't wind around the monitor mount. Always reverse the rotation of the monitor to keep the cables free.

# Lifting the work surface

## Manual work surface lift

To raise or lower the work surface:

1. Position your hands to support the weight of the work surface.
2. Lift the height lever located beneath the right side of the handle.



3. Raise or lower the work surface to the preferred height.
4. Release the height lever, then slightly raise or lower the work surface to make sure the locking pin is seated. You will feel the locking pin click into position when seated.

## Electronic work surface lift system

For Trio carts equipped with the electronic lift system, adjust the work surface height with the on-screen lift controls.
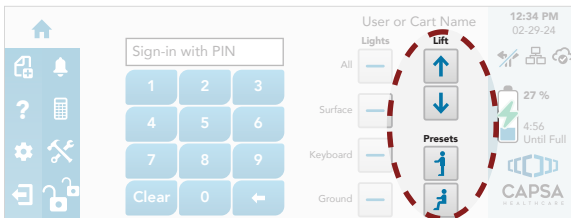
**To adjust the work surface upward,** touch and hold the ↑ **Up** button.

**To adjust the work surface downward,** touch and hold the ↓ **Down** button.

Release the button when the work surface reaches the preferred height.

### Height presets (optional)

Electronic lift height presets are available to users who are logged in. Users can save settings for both sitting and standing heights to adjust the Trio cart for their personal comfort.

To save a height preset:
1. Use the ↑ **Up** and ↓ **Down** arrow buttons to adjust the work surface to the preferred height.
2. Touch and hold the ↑ **Standing** or ↗ **Sitting** preset button until you see the message that your preset has been saved.

Your saved work surface height presets are stored in your user profile. Saved presets will be available at any cart that you log in to.

To move the work surface to your height preset:
- Tap the ↑ **Standing** button to move the work surface to the preset standing height.
- Tap the ↗ **Sitting** button to move the work surface to the preset sitting height.
- While the work surface is in motion, you can tap **Stop Now** to stop the work surface before it reaches a height preset.

# Task lighting

Task lighting is included to enhance cart usability in darkened patient areas. The Trio carts are equipped with keyboard lights and optional ground and work surface lights.

**To turn a light on,** tap a button on the screen under **Lights**. Tap the button again to turn the light off.

Tap **All** to turn all task lights on or off simultaneously.
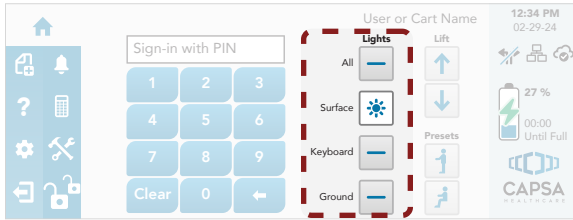


The keyboard light is located below the screen. When the keyboard is retracted, the keyboard light illuminates any open bins and their contents.



*Keyboard Light Button on Trio LT*

> **NOTE:** On the Trio NP (Non-Powered) cart, power for the keyboard light is only supplied through the installed technology devices.

The ground lights are under and to the sides of the base. They illuminate the floor all around the cart to help with navigating in the dark.

The work surface light illuminates the work surface area and the inside of the technology tray when the work surface is removed.

## Customizing task lighting

1. Tap the ⚙ **Settings** button.
2. Scroll to the **Light Intensity** section of **Preferences**.
3. Turn on individual lights, or **All Lights**.

4. Drag the sliders to set the **Brightness** of each individual light, or **All Lights**.
   If you set the brightness for **All Lights**, you can still change the setting for individual lights.
5. Tap the 🏠 **Home** button to exit **Preferences**.

# USB charging port (some models)

Trio carts are configured with a USB port on the side of the work surface task light. This USB port is for charging external devices only.
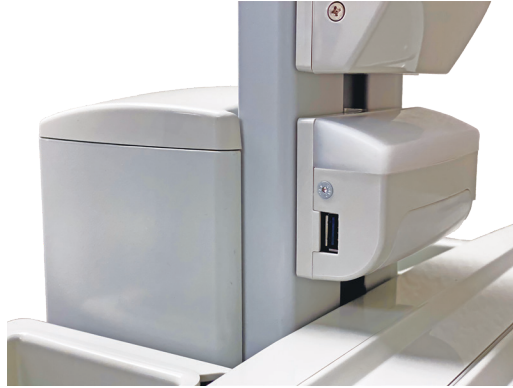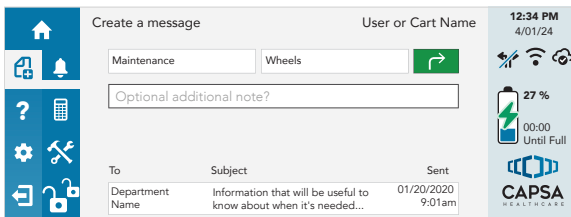


If a USB charging port does not work, it may need to be activated under **Preferences** or from within N-Sight.

To change the USB Charging Port setting:

1. Tap the ⚙ **Settings** button to access **Preferences**.
2. Scroll through the **Preferences** to the **USB Charging Port** settings.
3. Tap the switch to turn the port on or off.
4. Tap the 🏠 **Home** button to exit **Preferences**.

# Outbound Messages (some models)

The 📤 **Outbound Messages** button is used to send messages from the cart. All messages sent from the cart can also be reviewed.

Do not use the Outbound Messages system to transmit patient or HIPAA protected information.

> **IMPORTANT:** Make sure Wi-Fi is active. Look for the 📶 Wi-Fi icon in the upper right hand corner of the screen. (If Wi-Fi is not active, you can't receive alerts and notifications.)
>
> If you need to activate Wi-Fi, see **Connecting Wi-Fi** on page 21.

1. Tap **Who should receive this** to access the **Recipient** menu.
2. Tap the message recipient. To review the message before sending, tap the ‹ **Back** button at the top left of the screen.
3. Tap **What needs attention** to display the menu.
4. Tap the preferred message option.
   The available options can be managed in N-Sight.
5. To add more information, tap **Optional additional note** to display the on-screen keyboard, then type your comment.
6. Tap the ↗ **Send** button to send the message to the N-Sight management system.

The new message will appear at the top of the message list.

## Reviewing past messages

The most recently sent message is shown at the bottom of the **Messages** screen.

1. Drag the most recent message upward to scroll through the sent messages.
2. Tap a specific message to expand it.
3. To close an expanded message, tap the ‹ **Back** button.

Tap **Back** again to exit **Messages**.

> **NOTE: Messages**, **Alerts** and **Notifications** are deleted after a period of time that is specified from within N-Sight.

# Alerts

The 🔔 **Alerts** button is used to display a list of notifications sent to a cart or cart user. There are two types of notifications:

- **Alerts** are intended to be read immediately. Usually an alert will be displayed as soon as it is received. The **Alerts** icon displays the **New Alert** badge 🔔 when there are active alerts on the list.
- **Notifications** may be read at the user's convenience. A green dot badge 🔔 shows that there is a new notification.

**To display the Alerts list,** tap the 🔔 **Alerts** button near the top of the left side of the screen.
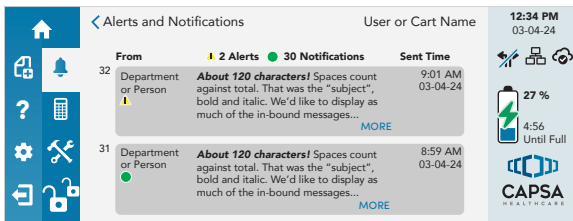


**To scroll through the list of alerts,** touch the screen and drag upward.

**To read an alert or notification,** tap the specific entry in the list.

To close the alert or notification, tap the ❮ **Back** button.

> **IMPORTANT:** Make sure Wi-Fi is active. Look for the 📶 Wi-Fi icon in the upper right hand corner of the screen. (If Wi-Fi is not active, you can't receive alerts and notifications.)
>
> If you need to activate Wi-Fi, see **Connecting Wi-Fi** on page 21.

# System Help

Tap the ❓ **Help** button to display a list of categories where you can view summaries of most features.

Tap an icon in the column on the left of the **Help** screen to see information on that feature on the right side of the screen.

The first category is **Videos**. There are several videos you can watch showing features of the cart.

# Calculator

To open the Trio's five-function calculator, tap the ▦ **Calculator** button.

The calculator "tape" to the left of the keypad keeps a running record of operations and results.

The memory, operations, square root, and $\boxed{=}$ keys cause pending operations to be evaluated.

$\boxed{\leftarrow}$ deletes the last digit or operator entered without evaluating the pending operation.

$\boxed{\sqrt{}}$ evaluates the pending operation then takes the square root of the result.

$\boxed{\text{C}}$ $\boxed{\text{C}}$ clears the tape, the pending operation, and the current result.

$\boxed{\text{MR}}$ cancels the pending operation and recalls the value in memory.

$\boxed{\text{MC}}$ clears the value in memory without affecting the pending operation.

$\boxed{\text{M+}}$ and $\boxed{\text{M–}}$ evaluate the current operation, add or subtract it from memory, and leave the result on the display. They don't make entries on the tape.

# Preferences

Each individual user can specify certain cart settings, and you can also specify settings for when the cart is on but not in use.

A user's preferences are saved to their account so they are the same on every cart they log in to.

Which options are available can be specified from within N-Sight.

Tap the ⚙ **Settings** button to set preferences for cart behavior.

When no user is logged in the settings available are:
- **Language:** Set the cart's display language.
- **Lights:** Set which lights are on and which are off, and the brightness of each. You can also set one state for all lights. If you set a brightness level for all lights, you can still change the brightness for individual lights.
- **Notification Light:** Set whether this light is on or off, its brightness, whether it is steady or blinking, and its color. When a user logs in, their personal Notification Light settings will take effect, and remain even when they log out.
- **Display Brightness:** Set how bright the display is when the cart is not in use.
- **USB Charging Port:** You can make the port available for charging even when nobody is logged in to the cart.
- **Alerts:** Set whether background colors in alerts and notifications are displayed, and turn audio alarms on or off.

When a user logs in, the additional settings available are:
- **Lighting Theme:** Choose from 10 saved groups of light on/brightness settings.
  A cart administrator can configure themes in N-Sight.
- **Speaker Volume:** Set this anywhere from 0 to 100%.
- **Security:** You can specify whether and when a session will time out and whether and when drawers will automatically re-lock.
  **Session Timeout** is how long a user can stop interacting with the cart before they are automatically logged out.
  **Auto Lock Drawers** is how much time after the drawers are unlocked that a user has to open one before they are automatically relocked.

# Tools

The cart also has other utilities and can provide detailed system information. Tap the ✖ **Tools** button to access these features.

A user that is logged in may have more tool options available than when nobody is logged in. Which tools are available to each user can be specified through N-Sight.

The utility tools available even when no user is logged in are:

- **Timer:** Set a single countdown timer for between 1 second and 23 hours 59 minutes 59 seconds.
  When the timer expires, you can have it ring a bell, display a message, flash the Notification Light, or do nothing.
- **Conversions:** You can convert temperatures between Fahrenheit and Celsius, and convert volumes between several US, Imperial and metric units.
- **Reboot Cart:** This allows you to restart the cart without turning it off then on again.

The other tools are:

- **Cart Information:** Shows the cart serial number, software and firmware versions, and other technical information about the cart hardware.
- **Connectivity:** Shows current network connection information and recent N-Sight activity.
- **Network Settings:** Shows network settings. Users with the **Can Access IT Menus** setting turned on for their account through N-Sight can also change network settings.
- **Battery:** Shows current charge and other battery information
- **Computer Power:** Allows you to power down a computer in the technology box.
- **Power Supply:** Shows the serial number, connection, and other details about the cart's power supply:
- **Test Electronics:** Lets you test the lights, speaker, and motion sensors of the cart.
- **Lift Calibration:** Lets you test and calibrate the cart's electric lift system.
- **Software Update:** Lets you update software, service URLs, and the cart's network SSL certificates.
- **Cart Settings:** Lets you set the date and time used by the cart.
- **Send Support Data:** Lets you export support information to a USB drive.
- **Sync:** Forces the cart to sync with N-Sight.
- **Reset Data:** Resets user and settings data.
- **Statistics:** Shows data about the last N-Sight operation.
- **Power Fault Logs:** Shows details about power interruptions experienced by the cart.

# Turn off the cart

**To turn off the cart,** use the power switch on the left rear side of the base (**Y** on Figure 2, page 12).

Any installed technology devices will be deactivated before the cart shuts down. This will prevent any potential damage to them.

When the cart is powered down, the battery will continue to charge as long as the cart is plugged in.

# Preventative Maintenance

## Inspection checklist

To protect optimal performance, Capsa Healthcare recommends a periodic inspection and preventative maintenance of your computing cart fleet. These simple steps can safeguard against breakdowns and help you realize uninterrupted workflow and cart availability.

| Items | Action | Benefit |
|---|---|---|
| **Power supply** | Inspect fan, fan filter, and airflow for dust and lint buildup. Clean or replace the filter as needed. | Helps prevent unexpected power failures and ensures proper airflow for cooling the power system. |
| **AC power cord, fuses, and internal cables assemblies** | Inspect wires and components for any damage; ensure there are no loose connectors. | Identifies potential safety issues, extends the life of the battery, ensures consistent recharging, and optimizes workstation runtime. |
| **Battery** | Check battery cable connectors for correct tightness and that the terminals are free of corrosion. | Extends the life of the battery and supports consistent performance. |
| **Casters** | Check casters for proper tightness, ensure casters are free of dirt and grime, and that they operate smoothly. | Mitigates risk of injury due to loose casters. Ensures proper maneuverability of the workstation. |
| **Inspect base covers and hardware** | Check for loose or broken covers. | Ensures proper airflow and power system cooling. Prevents unexpected power failure; mitigates chance for interrupted workflow and clinical processes. |
| **Inspect keyboard tray movement** | Check range of keyboard tray for full field of motion and stability. | Proper adjustment supports ergonomic capability that meets unique requirements of multiple users. |

| Items | Action | Benefit |
|---|---|---|
| **Inspect work surface area** | Inspect work surface for cleanliness or damage. | Promotes proper infection control practices and maintains protected area for internal electrical components. |
| **Inspect height adjustment, electrical or manual** | Check height adjustment for proper function, including full range of motion. | Facilitates simple height and ergonomic adjustments; ensures comfortable use by clinical staff. |
| **Inspect keyboard light** | Check all lighting and switch operation; confirm lights function properly. | Supports proper lighting for reading, work surface tasks, and safe cart maneuvering in low light environments. |
| **Inspect User Interface (including storage module functions)** | Check proper functionality of all cart controls. | Functional controls allow users the full benefit of the cart features and capabilities. |
| **Inspect all bins and drawers** | Check functionality of bins and drawers including locking function. | Smooth operation of bins and drawers provides secure, organized storage. |
| **Inspect mounted accessories** | Check for secure fit to mount area and tighten if necessary. | Ensure stable accommodation of peripheral device holders and other accessories and supplies. |

# Service

## Service Request

Capsa Healthcare is committed to providing best-in-class service. Our service department has technicians qualified to conduct all service repairs including access to all component parts lists and descriptions. Please contact them directly for all service repairs by submitting a service request.

**Web:** https://www.capsahealthcare.com/request-service

**Email:** parts.support@capsahealthcare.com
Available 8:00 a.m. to 8:00 p.m. EST Monday through Friday

**Phone:** 800.437.6633

## Identifying your Trio model
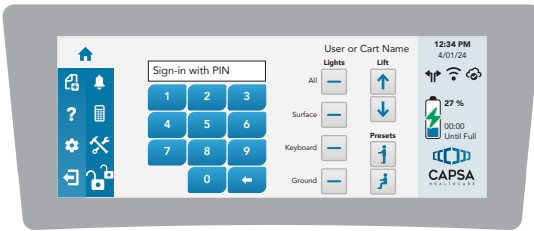


*Trio*
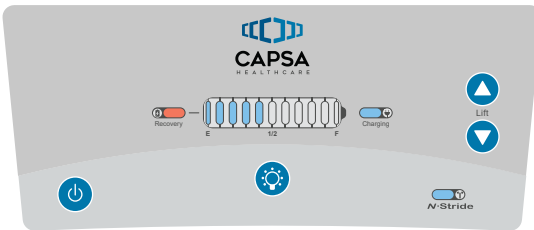


*Trio LT (with optional Electronic Lift)*



*Trio NP*

# Troubleshooting

| Problem | Solution |
|---------|----------|
| **Cart is Hard to Push** | Check that the caster locks are in the unlocked (up) position. |
| | Check casters for obstructions. |
| **Cart is Hard to Turn** | Check that N-Stride is deactivated. |
| **Computer/ Monitor Will Not Power Up** | Turn the power on to the installed technology devices. Tap the **Tools** button to access the features menu, then tap **Computer Power**. |
| | Check that the power supply switch is turned on. |
| | Check that the device power cables are connected. |
| | Check that the wall outlet has power. |
| | The battery may be too drained to power up. Keep the cart plugged in, and allow the battery to recover to an operational state. |
| **Cart Will Not Power Up** | Check that the power cord is plugged into a working outlet. |
| | Check that the end of power cord is plugged into the cart power jack. |
| | Check that the power switch is in the On position. Cycle the power switch to the Off position for 3 seconds, then back on. |
| | If after completing the above checks the cart still will not power up, file a service request for maintenance. |
| **Computer Does Not Work Properly** | If the cart is functional, but the computer will not work, file a service request for maintenance. |
| **Manual Lift Mechanism Performance** | If it is difficult to raise and lower the work surface, the lift mechanism preload may need adjustment. File a service request with your IT department for service. |
| **Electronic Lift Performance** | If the electronic lift is stuck in position or is running slowly, it may need calibration. File a service request with your IT department for service. |

| Problem | Solution |
|---------|----------|
| **Drawers will not Open** | Make sure that the 🔓 **Drawers Unlocked** icon is displayed at the lower left of the screen. If necessary, re-enter your PIN. |
| | If the battery doesn't have sufficient charge, or re-entering the PIN doesn't work:<br>■ Use the manual override key to unlock the drawer module<br>■ File a service request with your IT department for service |
| | If there is a secondary lock, 2 PIN codes may be required to unlock the drawers. |
| **Power Button is Red on Trio LT** | There is a cart error. Push and hold down the power button for 3 seconds to reset the cart and clear the error. See **Error and Fault codes** below for more information. |

# Cleaning

> 
>
> ## ⚠️ WARNING: FIRE HARZARD!
>
> Due to the close proximity of electrical power and equipment, flammable cleaners should never be used on the cart.

Clean Capsa Healthcare products regularly according to infection control guidelines and protocols. Capsa Healthcare products are designed to be chemical and spill-resistant and easy to clean. Components are manufactured from the highest grade, non-porous, chemical resistant ABS (acrylonitrile, butadiene and styrene) plastic, and from smooth, chemical resistant powder-coated steel and aluminum.

Although high-touch components (work surface, handles, wrist rest) on certain Capsa Healthcare products incorporate anti-microbial additives, it is not recommended to rely solely on those additives for infection control and proper hygiene.

Most common disinfectant wipes and diluted cleaning solutions that are safe to use in patient care environments are also acceptable to use for cleaning Capsa Healthcare products' exterior surfaces.

## Recommendations

- Wear the required PPE (Personal Protective Equipment)
- Understand the precautionary statements
- Follow the directions for use, including pre-cleaning instructions
- Follow the contact guidelines
- Refer to the SDS (Safety Data Sheet) as necessary
- Consult your Infection Control Administrator for cleaning procedures and processes
- Clean plastic components with diluted, non-abrasive solutions
- Remove pen and dry erase marker stains with a soft cloth and 91% isopropyl alcohol
- Remove iodine stains with a soft cloth and any of the suggested cleaners
- Allow your cart to dry completely before plugging the power cord into a wall outlet
- When cleaning the cart, wipe off the surface with a damp cloth and thoroughly dry

- Avoid excess dampness and never immerse the cart or its components in liquid or allow liquids to flow into the cart
- Never use steel wool or other abrasive materials as these could damage the surface finish
- Before using any cleaner on the cart, first test it on a small area to ensure that the surface is not harmed

# Cleaning high touch point items

- The work surface is fully removable to facilitate cleaning.
- The document protector is removable; pull up on the back corners. To refasten, press the nylon fastener into the hole in the work surface. This is a replaceable item.
- The back handle is fully removable.
- To remove rear bins, grab the outside edge of the bin and lift up.
- The keyboard tray and mouse pads are easy to wipe down.

# Recommended cleaning solutions

| Quaternary Ammonium | Peroxide-Based |
|---|---|
| <ul><li>Metrex™ CaviWipes™</li><li>Metrex™ CaviCide™</li><li>PDI® Sani-Cloth® AF/Plus</li><li>PDI® Super Sani-Cloth®</li><li>EnVerros SaniMaster 4®</li><li>Virex® 256</li><li>DisCide®</li><li>Safetec® SaniZide Disposable Wipe Products</li><li>Envirocide®</li></ul> | <ul><li>Hydrogen Peroxide</li><li>Virox® 5</li><li>Steriplex SD®</li><li>Accel® TB</li></ul> **Bleach-Based** <ul><li>Bleach dilution (10%)</li><li>Clorox® Dispatch®</li></ul> **Alcohol-Based** <ul><li>Isopropyl Alcohol</li><li>Simple Green®</li></ul> |

# Cleaning agents and chemicals to avoid

- Non-Diluted Bleach or Chemicals
- Acetone
- Mineral Spirits
- Abrasive Cleaners
- Baking Soda
- Paint Thinners/Solvents
- Any Flammable or Toxic Chemicals

<169°F
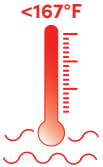
⚠️ **WARNING: DO NOT EXCEED TEMPERATURE!**

**DO NOT** exceed 167°F (75°C) for industrial washing machines! Exceeding this temperature will warp resins!

# Transport, Storage and Disposal

## Transport

 **CAUTION: HEAVY OBJECT!**

The shipping weight of the Trio cart is approximately 105–160 lbs (48–73 kg). Use lifting aids and proper lifting techniques to avoid muscle strain or back injury.

 **CAUTION: PINCH POINT HAZARD!**

Ensure all drawers are closed before setting the cart in motion! Be aware of your surroundings! **DO NOT** place anything on the work surface during trancsport!

 **CAUTION: IMPACT HAZARD!**

**DO NOT** turn the card upside down or on its side! Doing so may cause unintended riser motion which may result in personal injury or damage to the cart. Keep the cart upright at all times!

## Storage
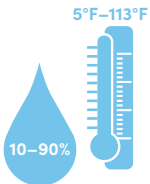
 Care should be taken to transport and store this system within a temperature range of 5°F to 113°F (–15°C to 45°C); humidity 10% RH to 90% RH (non-condensing).

# Disposal



### Battery Disposal/Recycling

Dispose/Recycle Lithium and SLA batteries according to local guidelines and regulations for disposal/recycling of batteries.
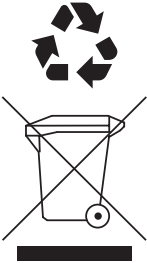


### Cart Disposal

Dispose of this cart according to local guidelines and regulations for disposal of electronic equipment. For more information contact Capsa Healthcare Customer Service at: 800.437.6633.

# Warranty

## Limited Warranty for Trio Computer Cart

Capsa Healthcare is pleased to offer a three-year warranty on durable components and a three-year warranty on electronic components.

**If, during the warranty period, this Capsa Healthcare product proves defective in materials or workmanship under normal use by the original purchaser, please contact Capsa Healthcare technical support.** Please be ready to furnish complete information, including the product serial number, description of the issue and full contact information.

Capsa Healthcare will determine, at its sole discretion, how to best address your warranty issue, which may include sending you a replacement part covered under warranty or for sale.

Capsa Healthcare reserves the right to require proof of purchase prior to honoring any warranty request.

This warranty does not cover product abuse, improper or lack of maintenance or cleaning, modification, integration with third party products, improper storage, failure to adhere to product instructions, improper operation or misuse. Examples of misuse include, but are not limited to: improper battery charging/discharging behavior, over stuffing of drawers and side bins, use of sharp objects on user interface screens or keypads, improper handling of and overstressing power cords, spilling liquids on product or exposure to harsh elements including temperatures and moisture outside the operating and storage specifications.

CAPSA HEALTHCARE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state or country to country.

Components that generally do not warrant onsite technical assistance include, but are not limited to: storage bins, power cords, drawers, and battery replacement.

Components that are not covered under this warranty include, but are not limited to: post cart manufacturing installed accessories, document protectors, wrist rests and any customer or third party provided items.

Preventative maintenance is necessary and recommended once per year for proper function and safety. Examples of preventative maintenance include, but are not limited to: the removal of dust and lint from the power system, inspecting and tightening casters. Preventative maintenance is the sole responsibility of the customer unless this service is purchased separately from Capsa Healthcare.

Battery performance warranties are different from product warranty and are based on battery type.

Capsa Healthcare will determine, in its sole discretion, how to best address your warranty issue, which may include any one or combination of the following: phone support, sending you a replacement part, or providing on-site technical assistance.

When Capsa Healthcare provides on-site services, the customer will provide access to the product with minimum wait time.

The customer is required to return all parts at the request of Capsa Healthcare.

# Service details

Consumable components are not covered under warranty and include:
- Locks and keys
- Document cover

Other standard components will be replaced under the applicable warranty following a filed service request.

> **NOTE:** The above terms for replacement parts applies to facilities located in the United States. All other customers should contact the appropriate reseller for the terms of part replacement.

All terms are subject to change without notice.

# Standards Compliance
## Test Compliance

### NRTL

- UL 60601-1 - Issued: 2003/04/25 Ed: 1 Rev: 2006/04/26 UL Standard for Safety Medical Electrical Equipment, Part 1: General Requirements for Safety
- ANSI/AMMI ES 60601-1:2005/(R)2012
- CAN/CSA C22.2 No. 60601-1-08 (R2014), (Edition 3.1) Medical electrical equipment - Part 1: General requirements for basic safety and essential performance; COR 2: 2011/06/01
- IEC 60601-1 3rd Edition Medical Electrical Equipment - Part 1-1: General Requirements for Safety - Collateral Standard: Safety Requirements for Medical Electrical Systems
- IEC/EN 60601-1-2 (Ed. 4th):  2015 - Medical electrical equipment Part 1-2: General requirements for safety - Collateral standard: Electromagnetic compatibility
- Conducted Emissions - Conducted Voltages (CISPR 11/ EN 55011 (CV))
- Radiated Emissions - Electric Fields (CISPR 11/ EN 55011 (RE-E))
- Conducted and radiated RF EMISSIONS per CISPR 11; Group 1 Class A product
- Harmonic Distortion per IEC 61000-3-2
- Voltage fluctuations and flicker per IEC 61000-3-3
- ESD per IEC 61000-4-2 at ±8kV Contact, ±15kV Air
- Radiated RF EM Fields per IEC 61000-4-3 – 3 V/m, 80 Mhz – 2.7 Ghz, 80% AM at 1 Khz
- Proximity Fields from RF wireless communications equipment per IEC 61000-4-3
- RATED power frequency magnetic fields per IEC 61000-4-8 at 30 A/m, 50 Hz or 60 Hz
- Electrical fast transients/bursts per IEC 61000-4-4 at ±2kV, 100 kHz repetition frequency
- Surge Immunity Test (IEC 61000-4-5)
- Surges line to line per IEC 61000-4-5 at ±1kV
- Surges line to ground per IEC 61000-4-5 at ±2kV
- Conducted disturbances inducted by RF fields per IEC 61000-4-6 – 3 V, 0.15 MHz – 80 Mhz, 6 V in ISM bands between 0.15 MHz – 80 Mhz , 80% AM at 1 Khz

- Power Frequency Magnetic Field Immunity Test (IEC 61000-4-8)
- Voltage dips per IEC 61000-4-11 – 0% UT  for 0.5 cycles at 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° phase angles; 1 cycle at 0% UT; 25/30 cycles at 70%
- Voltage interruptions per IEC 61000-4-11 - 0% UT; 250/300 cycles

## FCC

- FCC PART 15, Subpart B, Class A – Unintentional Radiators

# Product Classification

- Class 1/Internally powered device with no applied parts.
- This equipment is designed for continuous operation.
- Class A, Group 1 ISM Equipment
- This device is classified IPXO for water ingress.

# Specifications

| | |
|---|---|
| **Base Size** | 17"×19" (43.2 cm × 48.3 cm) |
| **Weight** | Configurations starting at 106 lb (48 kg) |
| **Height Adjustment** | Up to 15.7" (40.0 cm) |
| **Cart Height** | 49.3" to 65" (125.2 cm to 165.3 cm) |
| **Keyboard Height** | 4.8" (12.2 cm) of vertical travel |
| **Work Surface** | 20.75" W × 10" D (52.7 cm × 25.4 cm) |
| **Casters** | 5" (12.7 cm) locking |
| **Keyboard Platform** | Accommodates 1.75" H × 18" W × 8" D (4.5 cm × 45.7 cm × 20.3 cm) USB keyboard |
| **CPU Cavity** | 21.5" × 11.1" × 2.9" (54.6 cm × 28.3 cm × 7.5 cm) |
| **LCD Monitor Mount** | 15 lbs (6.8 kg) max., 24" monitor max. |
| **Power Cord** | 2.5 ft (0.75 m) hospital grade spiral cord – extends to 6 ft (1.8 m), recharges on board technology, 120 or 240 Vac, 6.3A, 50/60 Hz |
| **Power Strip/Inverter** | 3 – NEMA 5/15 outlets/ 150 W output |
| **UPS Input** | 100–240 Vac 50–60 Hz @ 5.4 A |
| **Fuse (UPS Input)** | 6.3A 5MM X 20MM FAST ACTING (2 ea), Voltage: 250 VAC, Breaking Capacity: 1.5 kAmps |
| **UPS Output** | 120 Vac 60Hz or 230Vac 50Hz |
| **Lithium Battery** | 12 Vdc 512 Wh |
| **Fuse (Battery Cable)** | ATO/ATC 32 VOLT 30 AMP LITTELFU, Breaking Capacity: 1 kA, Operating Speed: Medium |

# Connectivity

Cart Receiver:

- Wi-Fi (802.11a, b, g, n, ac). 5GHz 20/40/80 MHz bandwidth. 2.4Ghz 20/40 MHz bandwidth.
- Bluetooth 4.1 BR/EDR/LE(Class2). Backward compatible with Bluetooth 1.x, 2.x, 3.0, 4.0. 2.4GHz

Modulation Type:

- 11b: DSSS (DBPSK, DQPSK, CCK)
- 11a/g/n: OFDM (BPSK, QPSK, 16QAM, 64QAM)
- 11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)

Bluetooth Modulation Type:

- Bluetooth 4.1 BR/EDR/LE: GFSK (1Mbps), ∏/4 DQPSK (2Mbps), 8DQPSK (3Mbps)

ERP (Effective Radiated Power):

| Frequency | Standard | ERP(dBW) |
|-----------|----------|----------|
| 2.4GHz | 802.11b | –8.65 |
| 2.4GHz | 802.11g | –9.15 |
| 2.4GHz | 802.11n | –9.15 |
| 2.4GHz | 802.11ac | –9.15 |
| 5GhZ | 802.11ac | –16.65 |
| 2.4GHz | Bluetooth BR | –26.15 |
| 2.4GHz | Bluetooth EDR | –29.15 |
| 2.4GHz | Bluetooth LE | –26.65 |

# Environmental Conditions

| | |
|---|---|
| **Storage Temperature** | 5°F to 113°F (–15°C to 45°C ) |
| **Operating Temperature** | 32°F to 104°F (0°C to 40°C) |
| **Storage Altitude** | –200 feet to +25,000 feet (–61 m to 7620 m) referenced to sea level |
| **Operating Altitude** | –200 feet to +10,000 feet (–61 m to +3048 m) referenced to sea level |
| **Storage Humidity** | 10% to 90% RH (non-condensing) |
| **Operating Humidity** | 20% to 80% RH (non-condensing) |
| **Operating Atmospheric Pressure** | 69.7 kPa to 102 kPa |

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Part# 810339 Rev E