

MedStore Plus




User guide


Copyright © 2025 by Parity Medical.

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of Parity Medical. For permission requests, write to Parity Medical at the address below.

Parity Medical, Port Causeway, Wirral International Business Park, Bromborough, Wirral, CH62 4TP, United Kingdom

Other questions? Contact us at:

 +44 (0)151 343 0500

 enquiries@paritymedical.com

Thank you for choosing to buy a Parity Medical cart!

This cart is intended to mobilise clinical information access to bring it to the point of care, wherever and whenever that may be. It was designed for use by medical practitioners and relevant administrative support staff; it should not be used by patients or anyone who has a health condition or disability which would impede their ability to manoeuvre or operate it safely.

This user guide is for users of the cart and instructs how to safely operate the cart, explaining the basic functions, adjustments, troubleshooting, and maintenance procedures to be performed by the user. Various parts of the cart are discussed by means of text, illustrations, photographs, and standard terms.



Parity Medical is dedicated to ensuring the safety, comfort, and convenience of the users as well as the patients under their care. All users should familiarise themselves with the contents of this user guide before operating the cart and store this document in a location where it can be referred to whenever necessary.

From time to time, we may need to change components, which may incur design updates as well as updates to this user guide. The latest version of this document is always accessible at <https://www.paritymedical.com/carts/medstore-plus-cart-2.html>

Symbols

Regulatory agencies for health products require the use of symbols, often in place of textual statements, to improve the conspicuousness of required information, such as important safety information.

The symbols used in this guide and on the cart are described below. Be sure to observe the instructions indicated by each symbol to ensure the safe use of your Parity Medical cart.

Symbol	Description
	Indicates instructions to prevent a potentially hazardous situation that may result in injury or equipment damage.
	A reminder that the user should read the user guide before starting work or operating the equipment.

Revision history

Each page of the user guide provided with your cart has a revision letter on it in the document header. As the document is updated, the revision number is changed.

Version	Date	Comments
1.0	8 th April 2025	Original version

Contents

Cart structure	6
Cart features and instructions	7
Rotate and adjust monitor (specification dependent)	7
Setting up your laptop (specification dependent)	8
Mounting your micro PC (specification dependent)	9
Manoeuvring the cart	10
Security lock	11
Storage	11
Accessory mounts (specification dependent)	12
Slide-out mouse tray	12
Charging the battery	13
Serial number location	14
Cleaning	15
Approved cart cleaning solutions	16
Health and safety	17
Cart warranty and specifications	18
Cart warranty information	18
Cart specifications	18
Weight capacities	18
Electrical specifications	19
Power unit indicators	20
Troubleshooting	21
Low battery alarm	21

Cart structure



Legend:

1. VESA mount (micro PC or all-in-one PC configuration only)
2. Micro PC enclosure
3. Monitor mast
4. Steering handles
5. Security lock
6. Front locking wheels
7. Laptop arm and enclosure
8. Charging plug and cradle
9. Work surface
10. Slide-out mouse tray
11. Security lock
12. Storage drawers (bottom drawer replaced with SmartPower unit on powered carts)
13. Power inverter button



SmartPower unit controller



The terms highlighted on this page will be shown in **bold** throughout this document to help you understand how each feature is intended to be used.

Cart features and instructions

Rotate and adjust monitor (specification dependent)

PC monitors and all-in-one PCs are mounted to the cart with a **VESA mount**. If your cart has **monitor mast** rotation and/or swivel features, you can swivel the monitor up and down, left and right, or rotate it between landscape and portrait formats. If your cart has monitor height adjustment capabilities, You can also raise and lower the monitor height by holding the monitor firmly in both hands and adjust the position as needed.



Setting up your laptop (specification dependent)



To avoid damage and/or injury, always support the weight of the laptop before releasing the laptop arm's height adjustment lever (images shown below).

On the MedStore cart, laptops are mounted within the **laptop enclosure** on the **laptop arm**. If you need to open the brackets to add/remove a laptop, locate the metal nuts on each side of the laptop enclosure. Use the PM-SECNUTTOOL, which was provided with your cart, to unlock the nuts, add/remove the laptop, and secure the brackets in place by tightening the nuts, as required. Different holes can be used for laptops of varying thickness. Remove the cap at the top of the **monitor mast**. Pass power supply cables down the mast and into the power caddy found inside the **storage area**, above the top shelf towards the rear of the cart. Place power supplies into the caddy and plug into the provided power connections for the cart.

The laptop arm's height can also adjusted. Support the weight of the laptop arm with one arm before rotating the laptop arm's height adjustment lever counter-clockwise with your other hand to release the height adjustment lock. Once the laptop arm is set at the correct height, rotate the laptop arm's height adjustment lever clockwise until the lever is firmly locked in place. Do not overtighten the laptop arm's height adjustment lever.



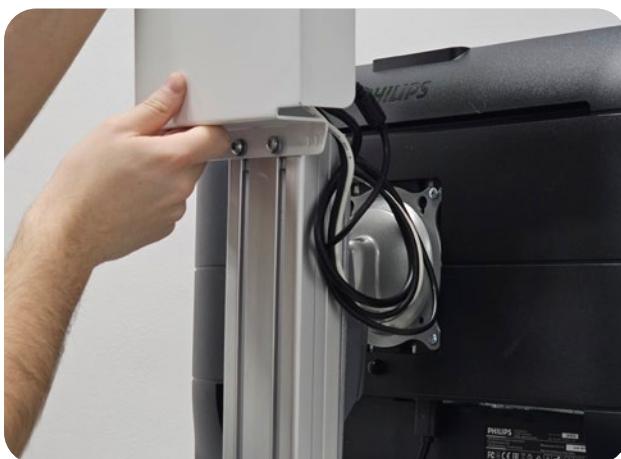
Mounting your micro PC (specification dependent)



To reduce the risk of cable strain and damage when fitting a micro PC, ensure that cables are threaded out from the corners of the micro PC enclosure, and be aware of cables catching on the top of the mast whilst the micro PC enclosure is being slid into position.

Your **micro PC enclosure** can typically be found at the rear of the **monitor mast**. If you need to open the brackets to add/remove a micro PC, first remove the cap at the top of the monitor mast, then pass the power supply cables down the mast and into the power supply tray below the rear of the **work surface**. Place the power supplies into the caddy and plug into the provided power connections for the cart. Re-tighten the security screw to close the caddy.

Loosen the security screws found below the micro PC enclosure, and slide the enclosure upwards and off the mast. Your micro PC can now be fitted to the micro PC enclosure, which may have standoffs on each side to hold the micro PC and reduce the risk of cable strain. Insert the relevant cables into your micro PC before reinserting the enclosure into mast, tightening the security screws, and reattaching the monitor mast cap.



Manoeuvring the cart



Unplug the cart before moving! There is a risk of injury if the cart is moved when the cart is plugged in at the wall for charging.



If you have a screen mounted to the monitor mast, ensure that the screen is centred (not rotated to the side) to avoid accidental damage during transit.

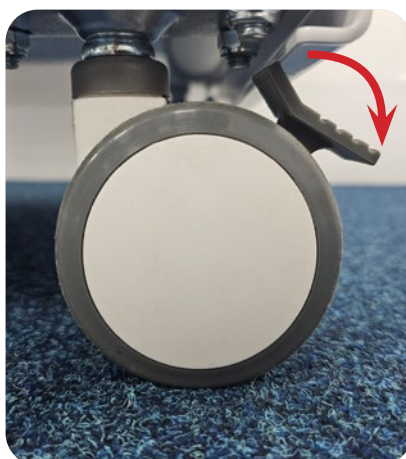
Use the **steering handles** to push the cart to a new location—you will need to use both hands to move/steer it. Do not pull the cart behind or to the side of you.

The cart features two **locking wheels** at the front. Once the user is happy with the position, the brakes should be applied to avoid further movement whilst the cart is in use. The brakes are activated by pressing the foot pedal down to place them in the locked position and are unlocked by lifting the foot pedal.

Unlocked



Locked



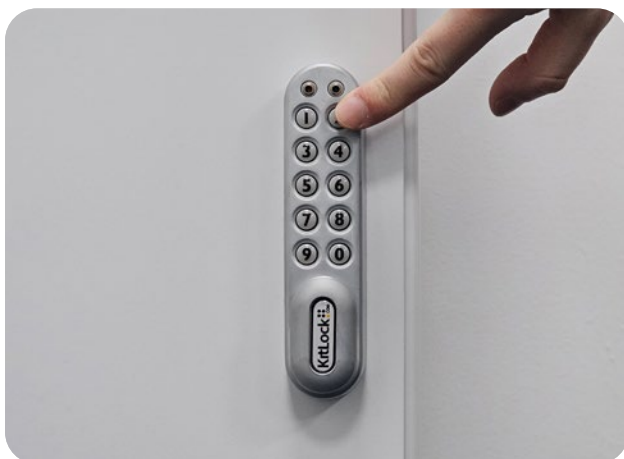
Steering handles



Security lock

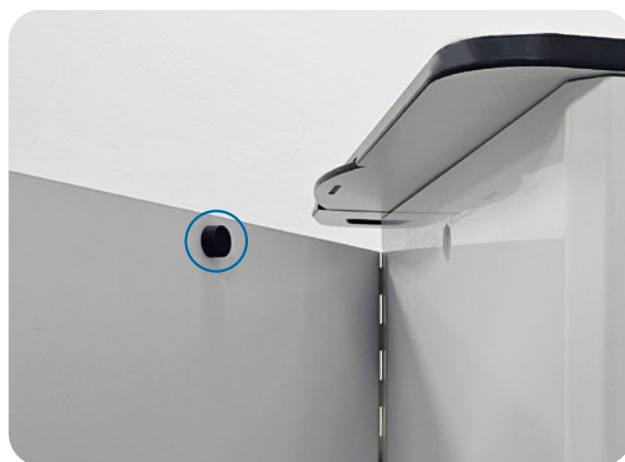
The medicines and supplies stored in the cart are protected by a **security lock**, which may be a traditional lock with a key, a digi-lock system or a lock with RFID security technology (dependent on specification). If your lock uses keypad security, enter your 4-digit pin and rotate the lever 90° to unlock. If your lock uses RFID security, tap your card against the screen and then rotate the lever 90° to unlock.

When not in use, the cart's storage doors should be kept closed and the security lock armed.



Storage

The MedStore Plus offers up to eight **storage drawers**. To access, unlock the **security lock** and open the storage caddy door. The door has a magnet on it to secure the door in the fully open position to the side of the cart when in use.



Accessory mounts (specification dependent)

The cart can be fitted with barcode scanners and label printers, if required. The accessories can be fitted to the **monitor mast** or placed towards the back of the **work surface**.



Slide-out mouse tray



The slide-out mouse tray is designed to provide additional space for mouse usage. There is a risk of injury or damage if heavy weight or force is applied to this tray.

The cart features a **slide-out mouse tray**, which can be pulled-out from either the left or right side of the **work surface**. This work surface may be completely removed for cleaning.



Charging the battery

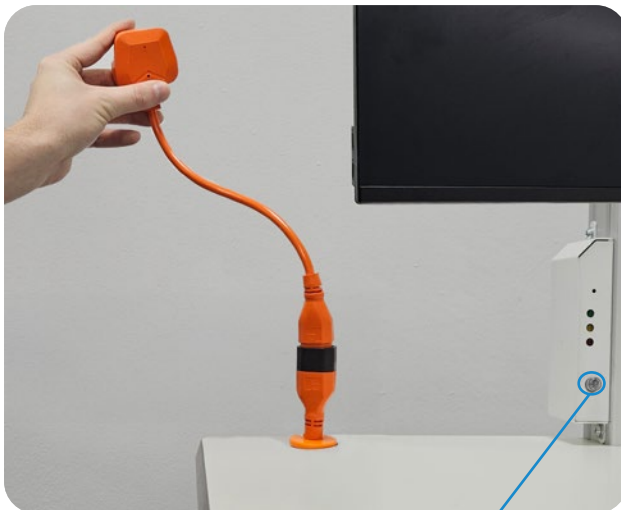


The cart's **battery** should be plugged in to charge when not in use to ensure a full charge when the cart is being utilised. If batteries are left for an extended period of time without charge, it will result in permanent damage to the battery.

To charge a powered cart or to power devices mounted to an unpowered cart, unhook the orange **charging plug** from the **cradle**, plug in, and switch on the power at the wall. We've installed the cart with a **breakaway cable** to avoid the risk of damage to equipment if someone accidentally moves the cart whilst it's plugged in. Once charged, stow the plug back in its cradle to reduce tripping hazards.

For a faster charge time, it is recommended that accessory devices are powered-down and the **power inverter button** is turned off while charging the battery.

- Press the power inverter button on the SmartPower unit controller to turn the power on.
- To turn off the power, press the power inverter button on the SmartPower unit controller.



Power inverter button



Serial number location

For new models, the cart's serial number label is located on the rear of the cart, on the top-right-hand side of the storage area. For older models, this can be found inside the cart at the rear and can be found by removing central drawers.

The label contains the model name and code and the serial number. You will need this information to contact our customer support team to report an issue or check the warranty status of your cart.

New models



Older models



Cleaning



The cart contains electrical components, so extra care should be taken to avoid getting water on the electrical systems or power cable to avoid injury or equipment damage.

Always use a damp cloth to clean your cart (not a wet cloth)—and never use a mop to clean any part of the cart, including the base.

1. Disconnect the cart from any AC outlet before cleaning.
2. Spray the cleaning solution onto a cloth—not directly onto the cart.
3. Clear the main **work surface** of any items and wipe the surface, including handles and the **monitor mast** or **laptop brackets**.
4. Clean the storage area doors and the exterior of the storage area.
5. Open the storage area doors and remove all items inside, including the drawers, and clean all surfaces. After cleaning, re-insert all drawers.
6. Clean the remaining areas of the cart base, battery case and wheels



Approved cart cleaning solutions

- Quaternary ammonium chloride compounds (such as AirX109)
- Bleach-Household strength (1:10 minimum dilution strength)
- Ethyl or Isopropyl alcohol- 70%
- Hydrogen Peroxide
- Phenolic disinfectants (such as Lysol, WexCide)
- Ovation
- Fantastic
- Formula 409
- 1.6% Aqueous Ammonia "Green Soap" USP (United States Pharmacopoeia)
- Clinell Wipes

Health and safety



There is a risk of injury if the cart is moved whilst the cable is plugged in at the wall. Always unplug before moving.

Your cart includes a lithium-ion battery. These batteries are safe during normal use, but present risks in the following circumstances. **In the unlikely event that you smell burning or notice smoke, immediately discontinue use and follow your site's fire safety protocols.**

1. Mechanical risks

This includes anything that damages the structure of the battery, such as dropping, piercing, crushing, or exposing the battery to harsh conditions.

2. Electrical risks

This includes over-charging or short-circuiting the battery. Do not tamper with any internal circuitry, electrical systems, or wiring. Never use a wet cloth or mop to clean the battery, inverter, or LED battery status gauge casings.

3. Thermal risks

These risks occur when the battery is exposed to extremely high temperatures, such as in direct sunlight.



If any of the following situations arises, immediately discontinue use and contact your IT department.

- The power cord or plug is damaged.
- Liquid has penetrated into the PC storage caddy or battery case.
- The equipment does not work well or if you cannot get it to work after consulting the user manual.
- The cart has been dropped or damaged.
- The cart has obvious signs of breakage.

If your IT department is unable to resolve the issue, contact Parity Medical's customer support team on +44 (0)151 343 0500 (option 2) for further assistance.

Please note the following instructions for the health and safety of the user and others nearby:

- Avoid pulling yourself up from a seated position using the cart. Using the cart as an aid to stand can exert excessive force on components not designed to bear such loads.
- Do not stand or kneel on the cart. The cart is not designed to withstand such forces, which could compromise its structural integrity and lead to potential hazards.

Cart warranty and specifications

Cart warranty information

Our carts come with a 5-year warranty as standard. Please note that the cart's orange power cable is covered under separate warranty, which is valid for 1 year.

Performing any repairs or modifications which are not listed in this user guide will invalidate the warranty.

Cart specifications

Height	1050 mm (to top of work surface)
Work surface dimensions	630 mm (w) x 685 mm (d)
Net weight (cart base only) - unpowered	62 kg
Net weight (cart base only) - powered	76 kg
Gross weight (max. load) - unpowered	91 kg
Gross weight (max. load) - powered	91 kg
Micro PC caddy internal dimensions	Specification dependent - contact Parity Medical for details

Weight capacities

Maximum weight held	Monitor mast with left/right swivel capacity	6 kg
	Monitor mast (no swivel)	8 kg or 12 kg (specification dependent)
	Square monitor mast (tilt & rotate VESA)	10 kg
	Work surface	8 kg
	Slide-out mouse tray	1.5 kg

Electrical specifications

AC input and output power (contact Parity Medical for guidance if using outside of the UK)	Wall AC input range	100 to 250VAC, 50/60Hz
	Inverter output power (powers PC and accessories)	200W maximum

Battery	Chemistry	LiFePo4 (Lithium Iron Phosphate Battery)
	Battery nominal voltage	12.8V
	Battery nominal capacity	>= 43.2 Ah
	Battery energy	>=553 Wh
	Battery dimension	209 x 137 x 185 mm
	Operating temperature	0 to 45°C for charging -20 to 60°C for discharging
	Max battery life on an average 25W PC	19.9 hours
	Max battery life on an average 50W PC	10 hours
	Max battery life on an average 100W PC	5 hours
	Max battery life on an average 150W PC	3.3 hours
	Max battery life on an average 200W PC	2.5 hours
	Typical charging time from empty 0% to 100%	5 hours
	Life expectation	>=60% of rated capacity, 1200 cycles

Standby time	From 100% battery status with all LEDs on	Up to 17.1 days
---------------------	---	-----------------


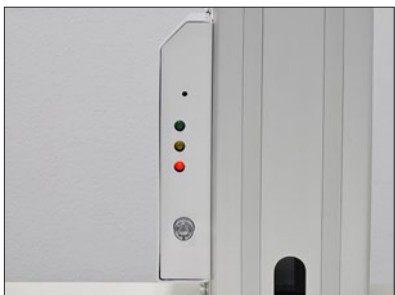


AC cable information	Standard IEC cable with 5A fuse	
-----------------------------	---------------------------------	--

Power unit indicators

On the side of the **monitor mast**, you can find the **power inverter button** (power button), as well as several indicator lights above, which show the power and charging status of your cart. The details of these indicators can be seen below.



Never spray or pour fluid directly onto the power indicator unit. Apply cleaning solution to a cleaning cloth.

	Power on/off <p>Pressing the power inverter button will turn on the power. The power inverter button is illuminated green when powered on. Press the power inverter button again to turn off the cart's power. When the cart is turned off or the battery is completely drained, the power inverter button will not be illuminated.</p>
	Low battery light <p>At 5%, the system will emit an audible alarm and display a red light.</p> <ol style="list-style-type: none">1. Press the red power button to turn off the inverter.2. Plug the cart in to charge. The amber light will illuminate to indicate the cart is charging.
	Charging light <p>When the cart is plugged in, the amber light will illuminate to indicate the cart is charging.</p>
	Full charge light <p>When the cart is fully charged, the green light will illuminate. Unplug the cart once fully charged to preserve the health of your cart's battery.</p>

Troubleshooting

This section is provided to help you troubleshoot issues quickly onsite. If the issue you're experiencing persists or the problem isn't covered here—or if you're unsure about anything—please contact us directly on 0151 343 0500 or raise a support ticket with our customer support team at <https://www.paritymedical.com/customer-services>.

Low battery alarm

If the battery has less than 5% power remaining, a continuous beeping alarm will be heard. To stop the alarm and fix the problem, charge the cart battery.

MedStore Plus



Thank you for choosing to use a Parity Medical solution.
If you have any further questions or require clarification on maintaining
or operating this product, please contact us for further assistance.
Our contact details are provided below.



Port Causeway, Wirral International Business Park, Bromborough, Wirral, CH62 4TP



www.paritymedical.com



+44 (0)151 343 0500



enquiries@paritymedical.com