



Power Technologies AC-MANAGE Bay Secure Smart Charging Cart User Manual

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Product Information

Designed to charge, store, and transport up to 36 Chromebooks, laptops or tablets up to 17 inches.

Specifications

Model		AC-MANAGE
Cart Dimensions	Inch	43.6 (H) x 40.1 (W) x 26.8 (D)
	mm	1107 (H) x 1019 (W) x 681 (D)
Shelf Dimensions	Inch	14.37 (D) x 12.37 (H) Divider Spacing: 1.55
	mm	413 (W) x 270 (H) x Divider Spacing: 43
Product weight (Without Devices)		274 lbs (124.28 kg)
Shipping Weight		299 lbs (135.62 kg)
Capacity		36 bays (2 Racks, 20 bays/Rack)
Supported Devices		Devices up to 17 Inch (432 mm)
Power Specifications (For carts sold within North America)		AC IN/ Power Strip: 110V AC, 50/60Hz, 10A Maximum power: 1400W
Power Specifications (For carts sold outside North America)		AC IN/ Power Strip: 100-240V AC, 50/60Hz, 10A Maximum power: 2400W
Charging Type		Smart cycle charger
Security		Front door 3-point mechanism with lock hole
Casters		Four 4-inch (102 mm) Casters; 2-Locking, 2- Directional
Work Platform Loading		55.1 lbs (25 kg)
Shelf Loading (ea.)		110.2 lbs (50 kg)
Adapter Shelves Loading (ea.)		6.6 lbs (3 kg)
Working Temperature		0°- 30°C
Working RH%		10% – 90%
Storage Temperature		-40°- 60°C Temp
Storage RH%		5% – 95%
Warranty		Lifetime Frame, 2 Years Components, 2 Year Electronics

This manual covers the following models and part numbers. The manual is based upon the North American 110V product offering. Refer the to part numbers below and cord end diagrams for your specific region.

MODEL# AC-MANAGE

SKU	DESCRIPTION
AC-PRO-II	AC-MANAGE, Premium 36 Bay Secure Smart Charging Cart – 110V NA (Legacy Number)
CRT-PRO-S36L-D-N	AC-MANAGE, Premium 36 Bay Secure Smart Charging Cart – 110V NA
CRT-PRO-S36L-E-N	AC-MANAGE, Premium 36 Bay Secure Smart Charging Cart – 220V EU
CRT-PRO-S36L-U - N	AC-MANAGE, Premium 36 Bay Secure Smart Charging Cart – 220V UK
CRT-PRO-S36L-A - N	AC-MANAGE, Premium 36 Bay Secure Smart Charging Cart – 220V AU
CRT-PRO-S36L-S - N	AC-MANAGE, Premium 36 Bay Secure Smart Charging Cart – 220V SW

Power Cords and Sockets for Specific Region

Installation Instructions

INSTALLING THE HANDLE

- Locate the narrow cardboard box containing the handle rod, handle bolts, mounting brackets & hex wrenches.
- Using the larger hex wrench, attach and tighten both the left and right side handle mounting bracket to the top of the cart using 4 large bolts.
- Fit the handle rod between the bracket and tighten using the smaller hex wrench and handle bolts.
- Locate the bumper kit and bolts.
- Using the supplied hex key and threaded bolts, install the bumper on all corners.

Product Information

The AC-MANAGE is designed to charge and store up to 36 Chromebooks, Laptops, or tablets.

NOTE: Please review this guide before installing devices and to learn how to safely use your cart.

- If the device (Laptop / Chromebook) thickness is more than the gap between the dividers, remove one of the dividers to create enough space for your device.
- The enclosures are used to hold the device accessories, and power adapter and allow power cables.
- We offer a Pre-Wired Version in the US with a USB charging Hub
- We offer Pre-wired carts with just the HUB in other regions of the world

Removing The Top Panel

Your cart is equipped with a removable top panel for storing a standard height 1u Ethernet switch. The mounting system for the switch is adjustable for various lengths and can be powered via the internal electrical outlet if needed. Please keep in mind, a PoE switch will reduce the total wattage allowed for devices (14A Max load for the entire cart at a time). Unlock the top panel. With an assistant, pull the top toward you first, then lift up. The panel is heavy so take extra care not to drop it.

Setting Up A Network Switch (Top)

- If your Network Switch is equipped with rack ears, loosen the mounting bracket screws using a phillips head screwdriver. Align the mounting brackets with the overall length of the switch. You may have to loosen the brackets and use additional mounting holes to gain the correct width.
- Your cart is equipped with RJ-45 Patch Thru Ports above each device space. This alleviates the use of extra long cables directly from the Network Switch. Follow the instructions supplied by your Network Switch manufacturer.

SETTING UP DEVICES (FRONT):

- **Step 1:** Using a ruler, measure the thickness of your device.
- **Step 2:** If the device is thicker than 1", locate & remove thumbscrews on the shelf.
- **Step 3:** Remove Retaining Strip.
- **Step 4:** Pull forward, then up to remove the Divider.
- **Step 5:** Adjust spacing as needed.
- **Step-6:** Place the Strip in position & replace thumbscrews.

SETTING UP DEVICES (BACK):

- **Step-1:** Remove the basket by pulling upward first, then pull forward.
- **Step 2:** If your device power adapters are "brick" style, feed power cables through holes and place no more than 6 into a basket
- **Step 3:** Hook basket(s) in place & distribute power cords so that all power strips have an equal number of devices plugged in.
- **Step-4:** Feed device cables into pass-thru slots to front of the cart.
- **Step-5:** Working up front, weave device cables into divider tabs.
- **Step-6:** Use the supplied Cable Clips to fasten each cable to the divider by pressing down firmly, securing the cable in place.

Intelli-Sense Smart Charging

THE ELECTRICAL SYSTEM IS DESIGNED TO HANDLE A MAXIMUM OF 14 AMPS.

Quick Start Tips:

- Plug-in device adapters so there are an equal number of devices in Group A and Group B.
- Make sure the Mode Selection Switch is set to "SMART" mode.
- Plug in cart. The Intelli-Sense timer will automatically sense the charging needs of the cart and start charging in the most efficient and quickest method.

Group Outlets “A”	Group Outlets “B”
7 Amp load	5.5 Amp load
ON	OFF
5 Amp load	5.5 Amp load
OFF	ON
5 Amp load	4.5 Amp load
ON	OFF
4.5 Amp load	4.5 Amp load
ON	ON

NOTE

If wattage exceeds 14 Amps or about 1400 Watts at one time, the charging system may not operate correctly. Review your device's AC Adapter wattage, multiplying it by 18.

Within 5 seconds of plugging in your cart's power cord, your INTELLI-SENSE Smart Charging System will initiate a test of your device's charging level requirements. Devices that are plugged into power strips that draw the most power will take priority and can take up to 2 hours before switching to the next set of outlets. Once devices are fully charged, the system will remain in a trickle charging state, maintaining your device's battery levels. With Mode Selection Switch set to SMART: Group Outlets “A” and Group Outlets “B” power on for 8 seconds in sequence then enter the following modes depending on the current draw.

If the total current draw is greater than 9A

The group outlets with the highest current draw will power on, while the group with the lowest current draw remains OFF. Once the current draw difference is within 0.5A, the system will switch to the other group. When the total current is less than 9A, all outlets will power on at the same time.

If the total current draw is less than 9A

Group “A” and Group “B” power on at the same time. The total output is continuously monitored in case a new device is added.

Casters Positions

- This cart is equipped with Casters that have an “Orange” color foot pedal.
- Engage the Directional Locking Casters by pressing the orange foot pedal down. Your cart will now easily track in a straight line.
- Release the Direction Lock by lifting up on the foot pedal. The cart will have its full swivel motion restored.
- “Engage the “BLACK” foot pedal to securely lock the wheels, keeping the cart safely in place.”
- “Engage the “ORANGE” foot pedal for a seamless and precise straight-line movement, making navigation a breeze.”
- “With a simple release of the “BLACK” foot pedal, allowing you to navigate effortless with unparalleled flexibility.
- “With a simple release of the “ORANGE” foot pedal, embrace a world of precision and grace in your swivel motion, making maneuvering a breeze.”

Caution/Notice

- DO NOT Pull the cart using the power cord
- DO NOT place liquids on or near the cart
- DO NOT attempt to move downstairs.
- DO NOT Roll the cart over the power cord
- DO NOT ride or run with the cart.

Safety Instructions

THIS IS NOT A TOY. ALWAYS FOLLOW SAFETY INSTRUCTIONS.

Important

THE ELECTRICAL SYSTEM IS DESIGNED TO HANDLE A MAXIMUM OF 1400 WATTS per side. If wattage exceeds 1400W at one time, the charging system may not operate correctly. Remove devices until the total wattage is under 1400W.

- ALWAYS move the cart slowly and be aware of your surroundings
- ALWAYS latch doors before moving the cart
- Repairs should always be performed by a qualified electrician.
- Set the power switch to the OFF position before you unplug the unit from the wall, plug the unit into the wall, or plug-in devices.
- If external devices are set on top of the cart, remove them before rolling the cart around.
- DO NOT block the ventilation holes used for air circulation.

For warranty claims, please have the following information ready, then visit www.powertechnologies.com to create a help ticket.

- Serial Number:
- Charging System Type:
- Date Of Purchase:
- Reseller Name:
- PO Number:

Danger /Warning

- Don't connect the cart with broken electrical components.
- DO NOT touch any part of the electrical system while plugged in.
- DO NOT use an extension cord with this unit.
- DO NOT allow children to move or climb.
- ONLY ADULTS should move the cart.

Troubleshooting

Further Information

For further information on this product and others, contact Power Technologies at.

- Power Technologies
- 42035 Zevo Dr
- Temecula, CA 92590+
- 888.650.4488
- support@powertechnologies.com
- www.powertechnologies.com

Documents / Resources

 <p>AC-MANAGE 24 BAY SECURE SMART CHARGING CART USER MANUAL</p>	<p>Power Technologies AC-MANAGE Bay Secure Smart Charging Cart [pdf] User Manual AC-MANAGE, AC-PRO-II, CRT-PRO-S36L-D-N, CRT-PRO-S36L-E-N, CRT-PRO-S36L-U-N, CRT-PRO-S36L-A-N, CRT-PRO-S36L-S-N, AC-MANAGE Bay Secure Smart Charging Cart, AC-MANAGE, Bay Secure Smart Charging Cart, Secure Smart Charging Cart, Smart Charging Cart, Smart Charging Cart, Cart</p>
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References

- ✨ [Secure & Reliable Charging Solutions by Power Technologies | Powering Your Success](#)
- [User Manual](#)

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