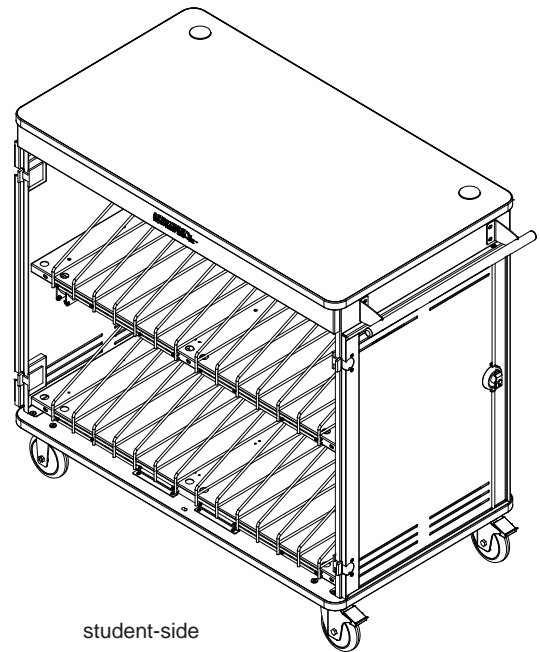
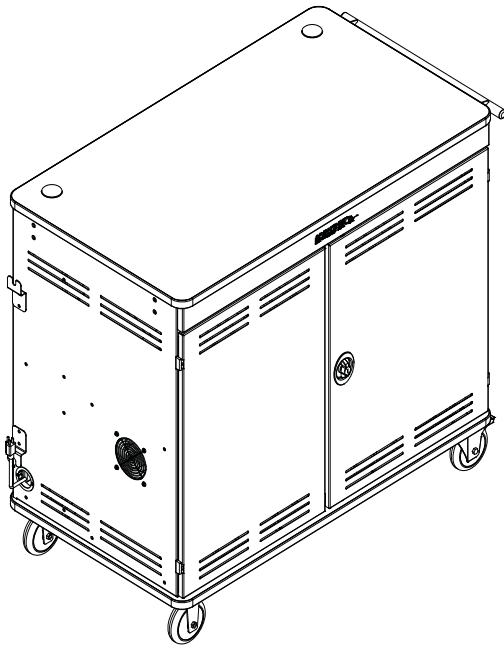


# Owner's Manual

## Impression 30 Imaging Laptop Cart

55375DW



student-side

# Touchboards

205 Westwood Ave, Long Branch, NJ 07740  
Phone: 866-94 BOARDS (26273) / (732)-222-1511  
Fax: (732)-222-7088 | E-mail: [sales@touchboards.com](mailto:sales@touchboards.com)

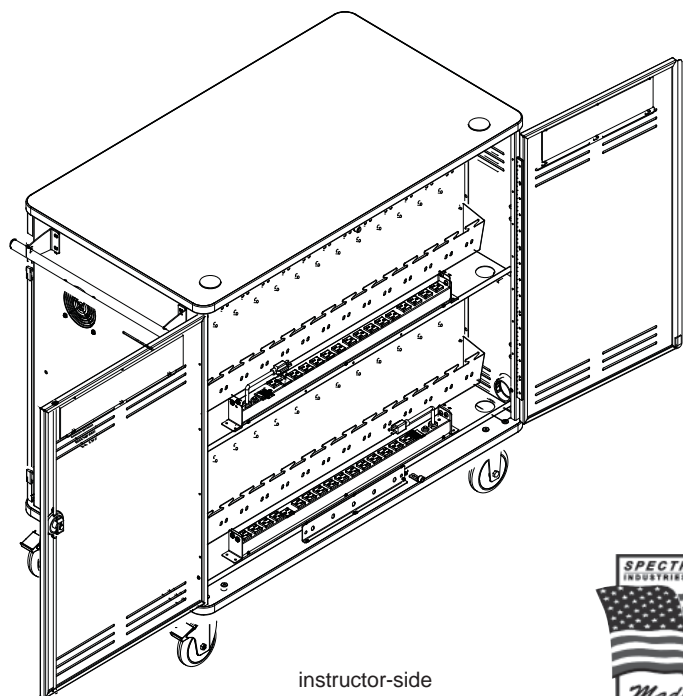
### CAUTION:

Before using this product, read this manual and follow all safety and operating instructions.

Before you begin, please make sure all parts and proper quantities are included. Any parts damaged during shipment must be reported within 15 days of receipt. To report information regarding damages or if you have any questions, please call 1-800-235-1262.

To purchase parts or accessories, please contact us at  
[www.spectrumfurniture.com](http://www.spectrumfurniture.com)  
1-800-235-1262

Thank you for purchasing Spectrum products!



instructor-side



Spectrum Industries, Inc  
Chippewa Falls, WI 54729, USA



# Safety

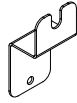


- Read this owner's manual before assembly or operation.
- Do not allow children to move cart.
- Move slowly and carefully when mobile.
- For indoor use only. Do not install or store the unit where it will be exposed to weather. Keep unit dry.
- For added safety, plug the unit into a grounded three-prong receptacle controlled by a GFI (Ground Fault Interrupter) circuit breaker.

## Hardware package contents



(4) 052605  
1/4-20 x 15mm JC bolt



(2) 0105648  
cord wrap bracket



(4) 026064  
1/4-20 x 5/8" PHMS



(1) 025039  
4mm hex wrench



(100) 058423  
5-1/2" zip tie

### Not Included

- Imaging Ethernet switch
- Wireless access point
- Laptops and charging transformers
- RJ45 cords

## Tools required



Phillips screwdriver



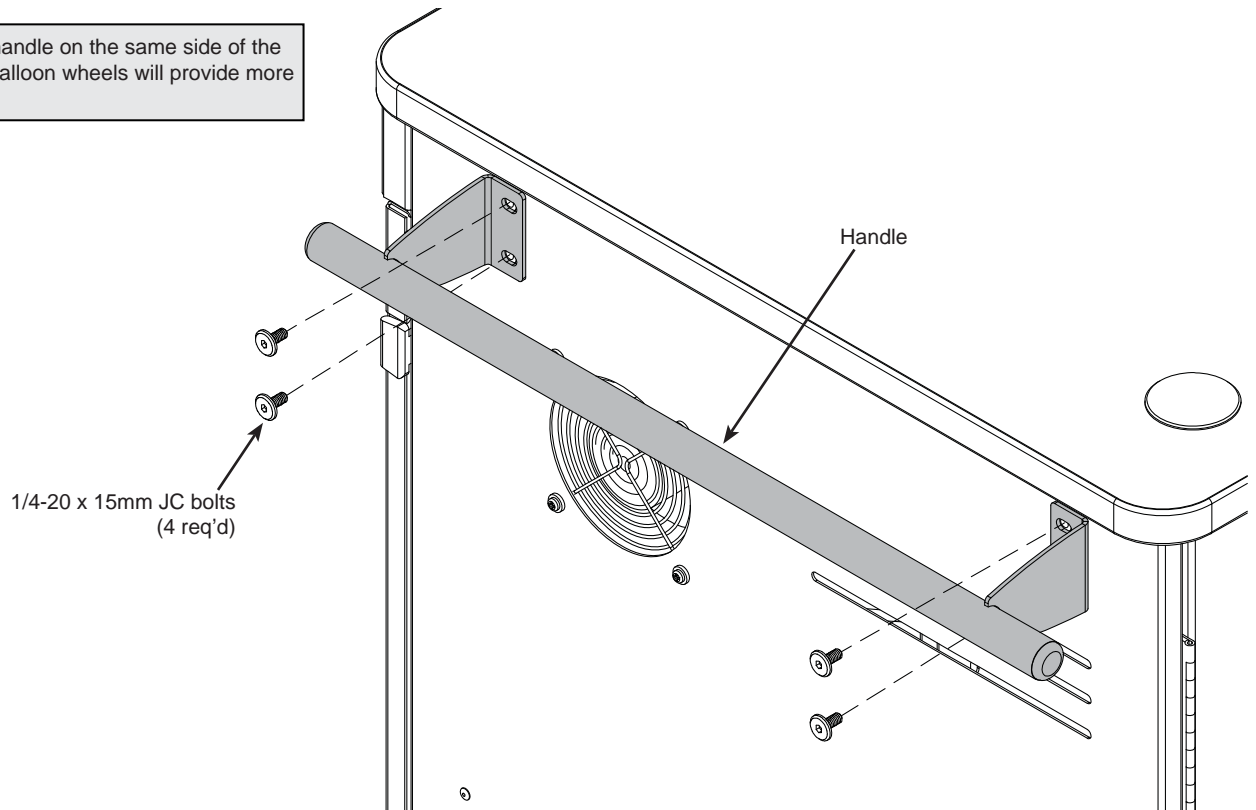
4mm hex wrench  
(included)

## Assembly / Setup

### Handle assembly

1. Determine which side of the cart you would like the handle to be mounted.
2. Attach the handle to the cart with (4) 1/4-20 x 15mm JC bolts and tighten securely. **Figure 1.**

**Note:** Attaching the handle on the same side of the cart as the 2 swivel balloon wheels will provide more control when mobile.



# Laptop charger & cart wiring

1. With the cart unplugged from wall, open all doors.
2. Install Ethernet switch (not included) into the 1RU opening and secure with 10-32 screws (not included). **Figure 2.**

**Note:** Refer to your specific Ethernet switch instructions for setup information.

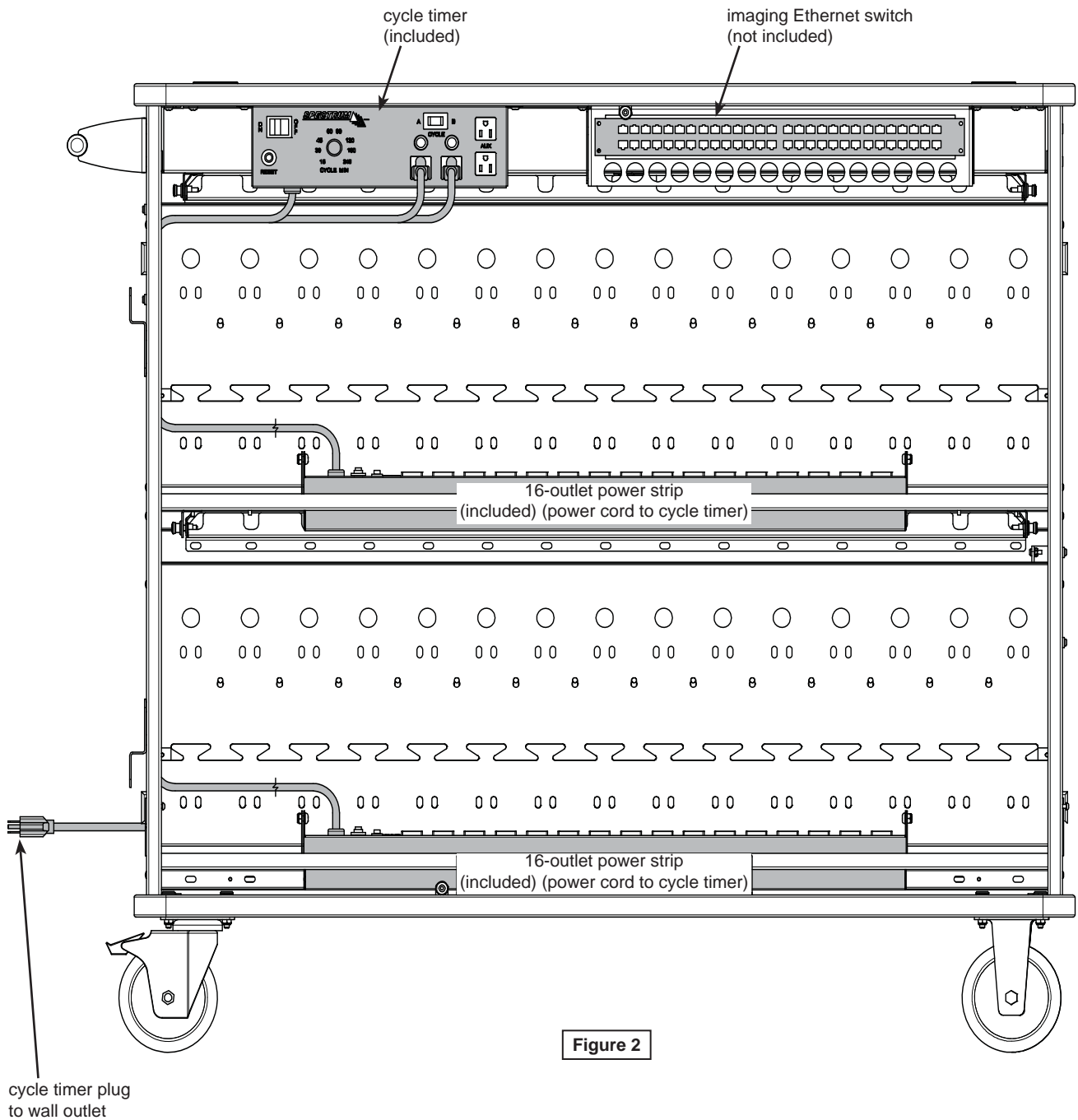
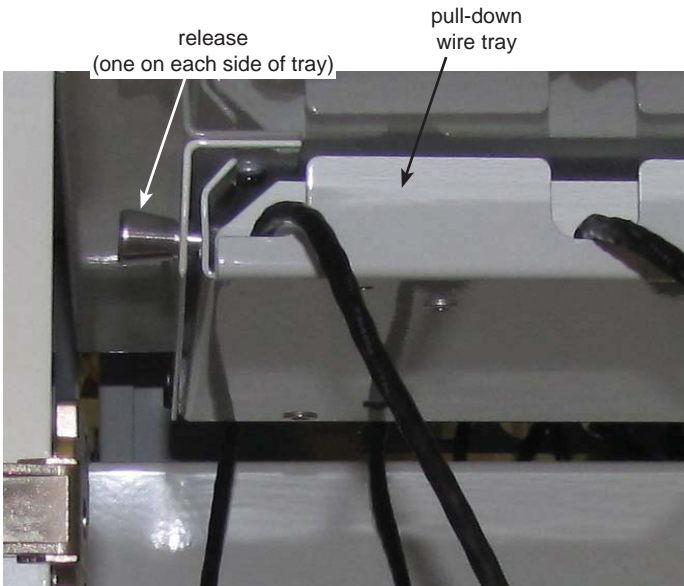
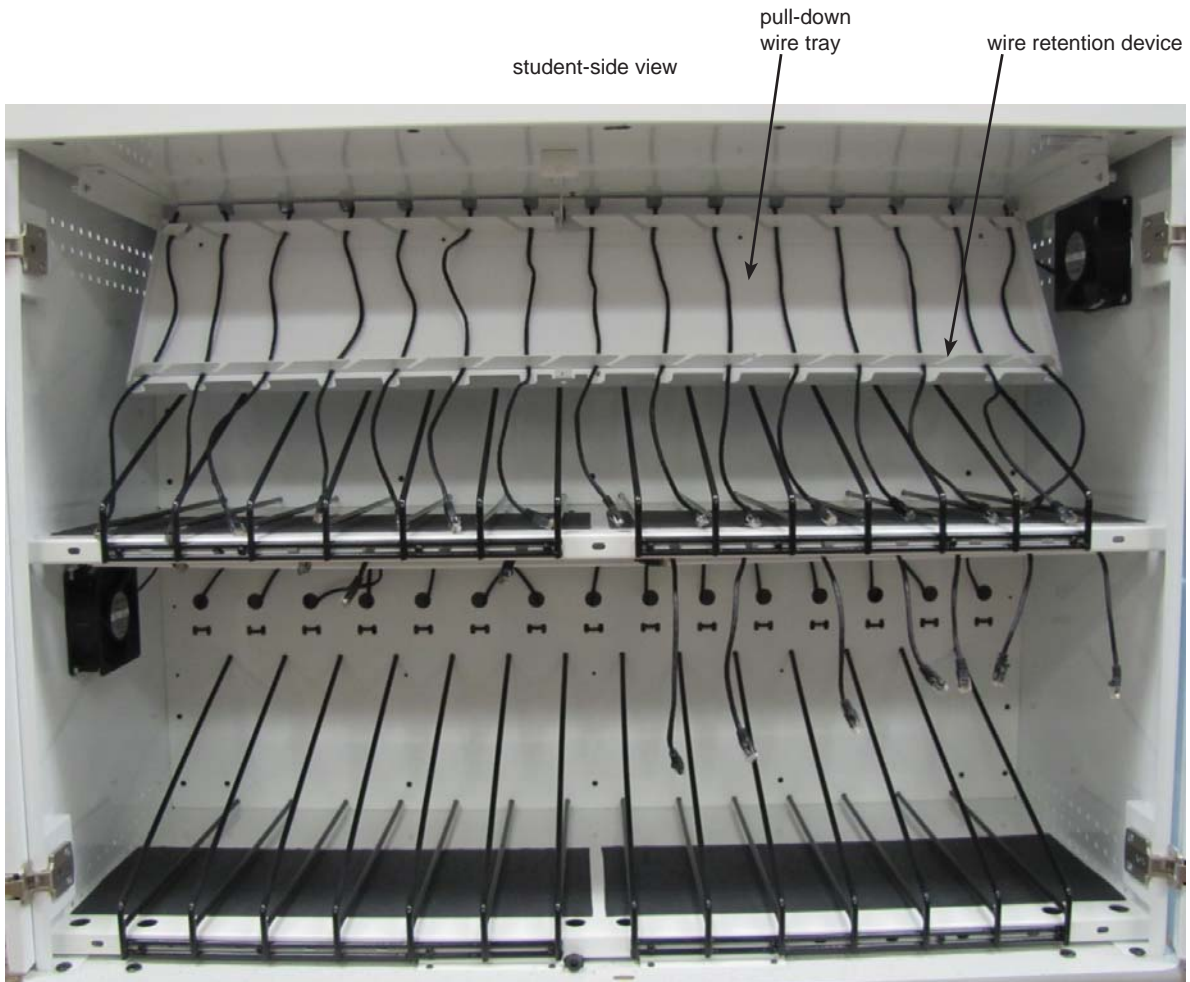


Figure 2

3. Pull both wire tray releases out to lower each wire tray. **Figure 3.**
4. Route each RJ45 cord from the switch through the divider panel cutout, up to and across the wire tray, and down to each laptop bay. **Figure 4.** (Excess cord can be bundled and secured inside the tray.) (Also see **Figure 6** wiring diagram for reference.)
5. Snap the RJ-45 cord into the wire retention device above each laptop bay. **Figure 4.**



**Figure 3**



**Figure 4**



6. Place the laptop chargers into the two cord management trays and plug into power strips. **Figure 5.** (Excess cord can be bundled and secured inside the tray.) Chargers can be secured to the tray using the slots if necessary.
7. Route each charge cord through the divider panel cutout or over the divider panel, up to and across the wire tray, and down to each laptop bay. Using the wire retention device is not necessary with the charge cords if frequent removal is required.
8. Make sure each RJ45 Ethernet cable and charge cord is routed down in front of each laptop.
9. Place up to 30 laptops in the cart with the charge ports facing as close to the student-side of the cart as possible.

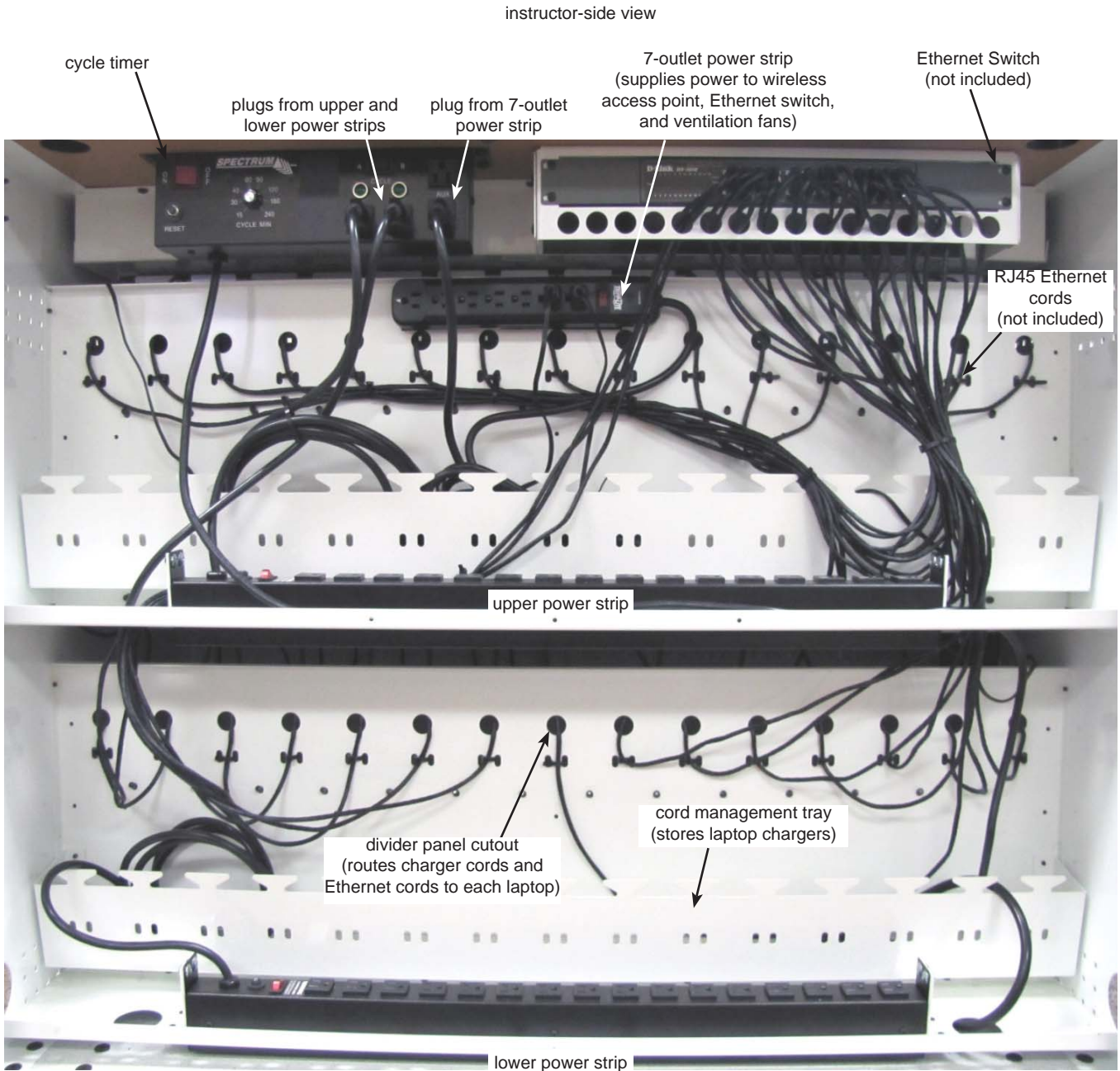
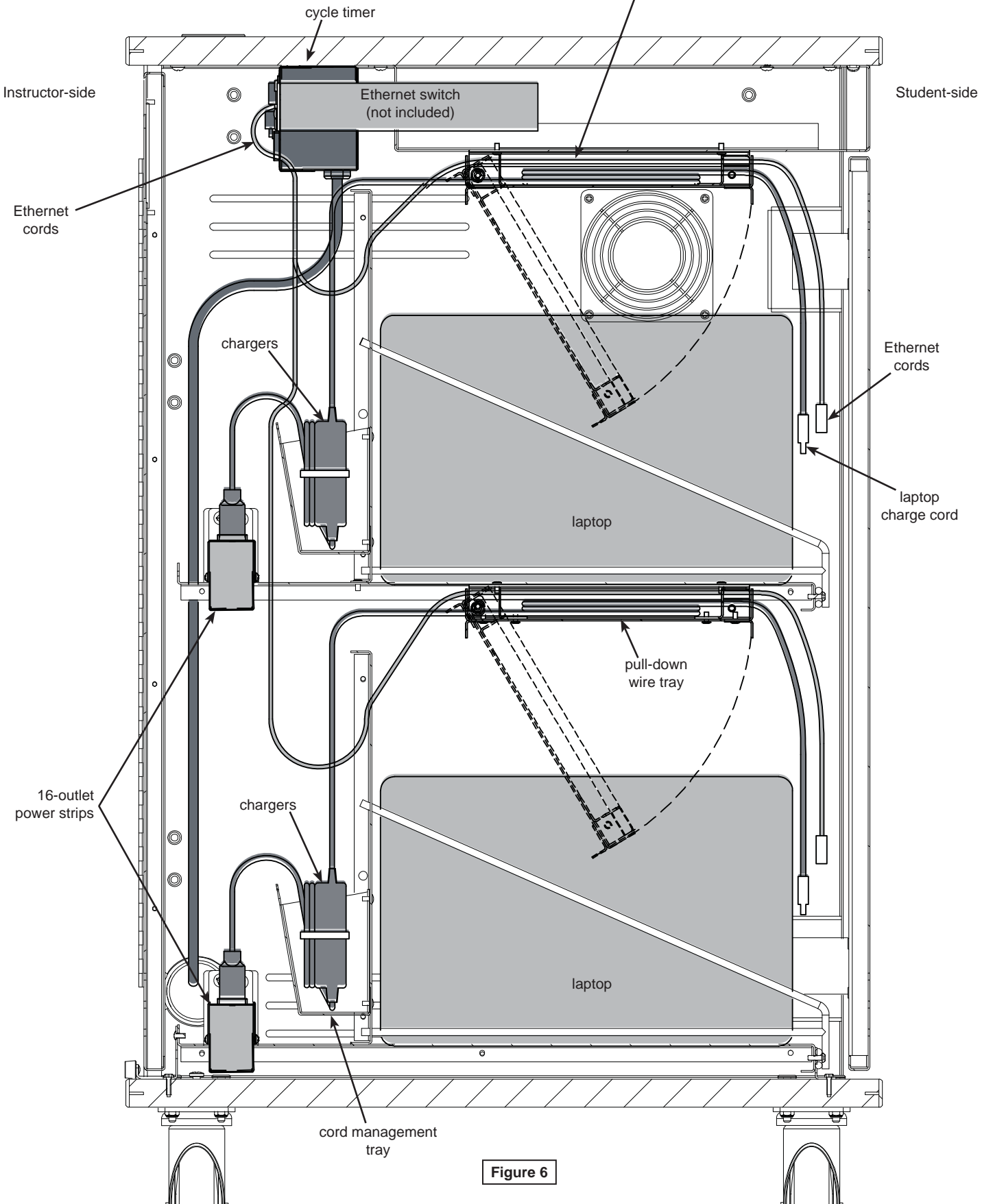


Figure 5

**Note:** If a wireless access point is needed, it can be mounted on the left or right side panel or located inside the cord management tray.

**Impression 30 cart section view & wiring diagram**

**Note:** The pull-down wire trays provide easy-access to power cords. After the cords are in place, the trays flip-up and lock into a horizontal position. Cord length adjustments can be made depending on the size of laptop and location of charge port.

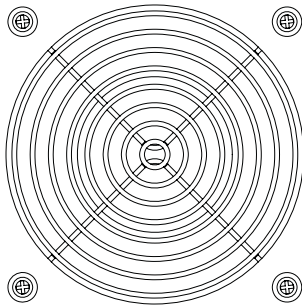


**Figure 6**

## Ventilation fans

1. Plug each ventilation fan into the 7-outlet power strip.

**Note:** The fans should be plugged in and remain on whenever stored laptops are powered 'ON' to dissipate the heat generated.



ventilation fan

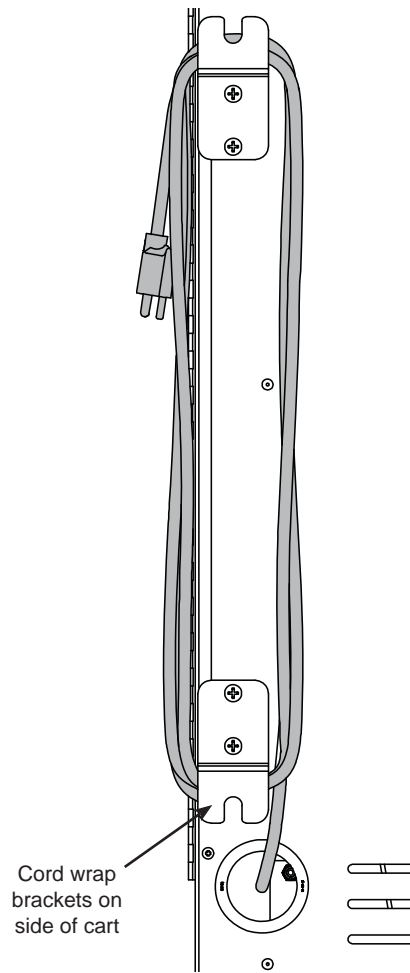
Figure 7

## Cord wrap bracket assembly

The (2) included cord wrap brackets can be installed on the side of the cart to store excess cycle charger power cord if necessary. **Figure 8.**

1. Attach each bracket with (2) 1/4-20 x 5/8" PHM screws. The brackets will be attached with the notches pointing away from each other.
2. Tighten screws securely.

**Note:** Power cord should always be secured while the cart is mobile.



Cord wrap brackets on side of cart

Figure 8

## Directional wheel operation

Two directional, swivel locking 5" directional balloon wheels are provided and can be rotated and locked at 180° intervals to be rigid, or unlocked to be swivel. This provides control when transporting between classrooms, while allowing maneuverability in tight spaces.

1. To lock the wheel direction, align each wheel with the cart width and depress the brake lever. **Figure 9.** (Each wheel can be locked at 180° intervals)
2. To resume swivel operation, unlock each brake lever.

**Note:** Wheel rotation cannot be locked on directional wheels. To prevent the cart from rolling, lock the standard locking balloon wheels on the other side of the cart.

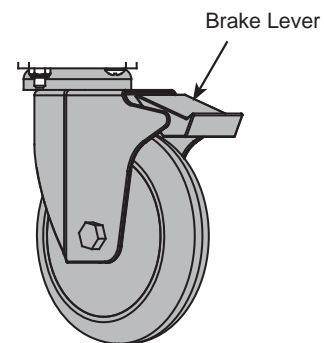


Figure 9

## Door stop adjustment

If necessary, the top offset door stop can be rotated slightly to adjust the closed position of the doors and lock rods. **Figure 10.**

1. To rotate, loosen the JC bolt slightly with a 4mm hex wrench.
2. Rotate the door stop until the door is positioned correctly.
3. Re-tighten the JC bolt securely.

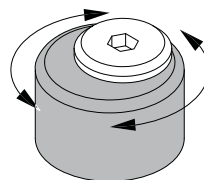


Figure 10

## Cord reel operation

### Operating Instructions:

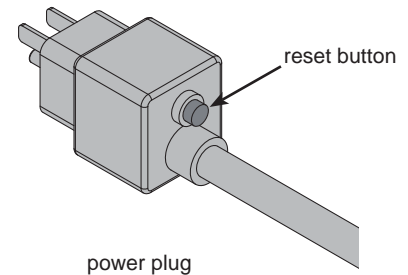
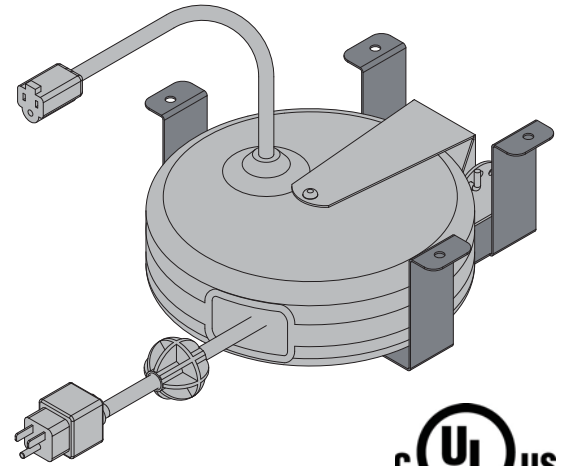
1. To latch cord - Pull cord out to full length. Allow the cord to retract 1-2 feet back into the reel. Pull the cord out slowly. When a 'click' is heard, the cord will latch in place.
2. Plug into 110-125V (single phase), 3-conductor wall outlet.
3. To release cord - Unplug from wall outlet. Pull cord out slowly until clicking stops. The latch will release and the cord can be guided back into the reel. Do not allow the cord to fly unrestricted back into the reel.
4. Do not overload or circuit breaker (15-amp maximum) will cut off current. To restore power, remove overload, wait two minutes, then reset the circuit breaker by pressing the button on the back of the 3-prong male power plug.

### Maintenance:

1. Remove dirt and grime as soon as it accumulates on the reel case by using a soft, damp cloth (a mild detergent may be used if needed), being careful not to wet the electrical plug. Never immerse any part of the unit in any solution to clean. **DO NOT** use solvents such as gasoline, turpentine, etc. to clean unit.
2. Keep cord clean to assure smoothest automatic retraction. Simply pull cord to its full length and allow to retract through a dampened rag. Pull out full length again and sprinkle cord with talcum powder.

### Specifications:

15' retractable, 15-amp, 12 AWG with breaker, UL Listed



### ⚠ WARNING ⚠

- This cord reel is intended for general indoor use only. It is not intended to be used in potentially dangerous locations such as flammable or explosive atmospheres. The reel is not waterproof and not intended for use in potentially wet locations.
- Do not overload (15-amp maximum).

## Moving the cart

1. Before moving the unit, unplug all power cords and wrap excess cords around the cord wrap brackets as necessary or retract power cord into reel (if equipped).
2. Be sure the casters are in the unlocked position and the doors closed.
3. Move the cart slowly and carefully.
4. Lock the casters after moving.



## WARNING



## ATTENTION








**CAN TIP OVER RESULTING IN RISK OF INJURY, DO NOT ALLOW CHILDREN UNDER 16 TO MOVE CART. MOVE CART SLOWLY.**

**PEUT BASCULER, ENTRAINANT UN RISQUE DE BLESSURE, NE LAISSEZ PAS LES ENFANTS DE MOINS DE 16 POUR DEPLACER PANIER. DEPLACER PANIER LENTEMENT**

**ONLY ADULTS SHOULD MOVE THIS UNIT**

**SEULS LES ADULTES DEVRAIENT PASSER CET APPAREIL**

**APPLY MOVING FORCE ON NARROW DIMENSION**

**APPLIQUER UNE FORCE EN MOUVEMENT SUR LA DIMENSION**

**NEVER APPLY FORCE AT TOP ALWAYS PUSH NEAR MIDDLE**

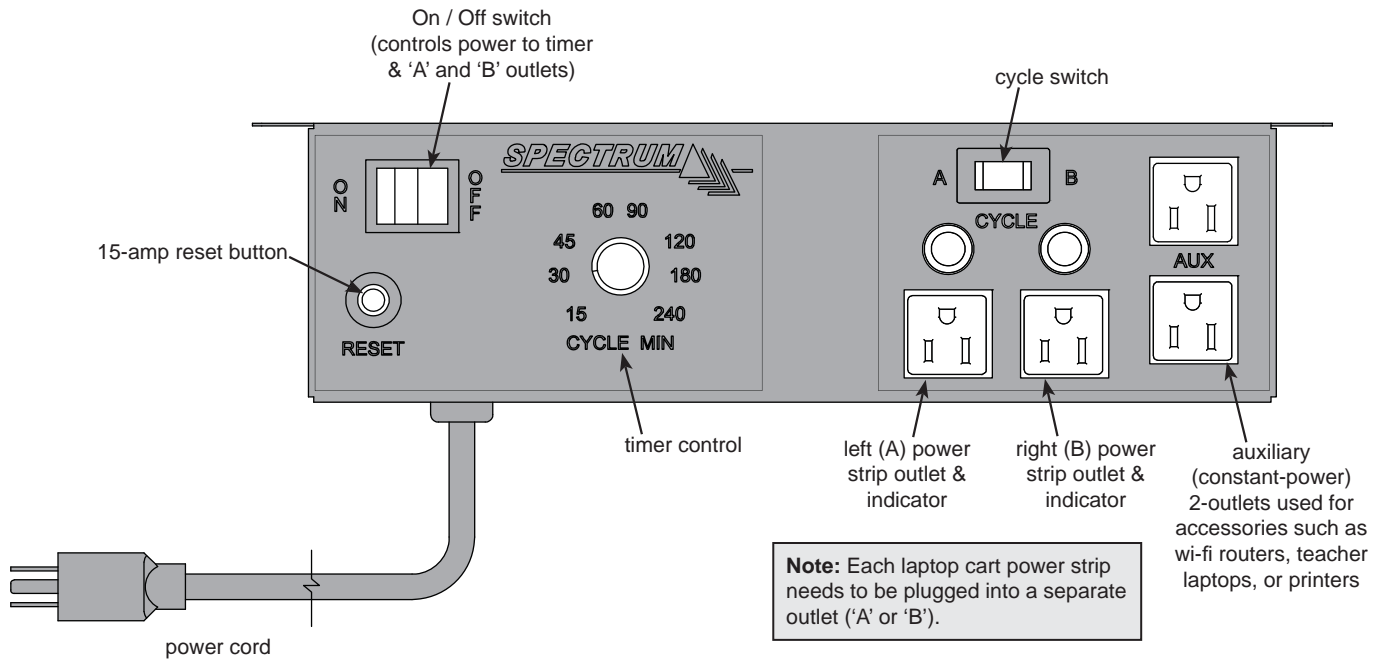
**JAMAIS EMPLOYER LA FORCE EN HAUT TOUJOURS POUSSER PRES DU MILIEU**

**PUSH, DO NOT PULL**

**POUSSER, NE TIREZ PAS**



# Cycle Timer Operation



## Using Timer:

The timer prevents overload by alternating power between both power strips in the cart, providing charging to multiple laptops during the day. The power strips plug into the outlets labeled 'A' or 'B'.

The timer control can be adjusted between 15-240 minutes. This is the number of minutes a power strip will be "hot" before the timer switches to the other power strip. 15 minutes can be used as the default setting, but the time setting will depend on the laptop size, battery capacity, frequency of laptop use, and the time available for charging between uses. Lower minute settings should be used if the laptops are being used more frequently.

- To cycle charge both 'A' and 'B' sides, keep the cycle switch in the middle 'Cycle' position, then set the timer control to the desired cycling increment. After the Side 'A' time expires, the timer will activate Side "B" for the same period of time and will continue to cycle until the On / Off switch is set to the "OFF" position.
- To manually-override the timer function, and charge side 'A' only, switch the cycle switch from the middle to the 'A' position.
- To manually-override the timer function, and charge side 'B' only, switch the cycle switch from the middle to the 'B' position.

## Specifications:

- 15-amp, 120 volt, 60Hz (1875 watt max) circuit breaker.
- 15-240 minute timer.
- 20' 14 AWG power cord.

### ⚠ CAUTION ⚠

- Do not use the auxiliary outlets to charge multiple laptops (use the 'A' and 'B' outlets only). **Auxiliary outlets are for peripheral use only.**
- Total equipment load not to exceed 15-amps per power strip.
- For indoor use only. Do not install or store the unit where it will be exposed to weather. Keep unit dry.
- For added safety, plug the timer into a grounded three-prong receptacle controlled by a GFI (Ground Fault Interrupter) circuit breaker.

# Warranty

## WE WILL MAKE IT RIGHT FOR YOU!

Spectrum is committed to provide complete customer satisfaction. Each of our products are manufactured from the best materials available and each product is stringently monitored throughout the production process through our P.A.C.E. program (Product Assurance to meet Customer Expectations). Our Customer Service Help Line 1-800-235-1262 is ready to provide immediate attention to any questions, comments or concerns. We are available to answer your calls Monday through Friday from 7 am to 5 pm CST, excluding observed holidays. In addition your product comments or concerns are welcome via e-mail at: [spectrum@spectrumfurniture.com](mailto:spectrum@spectrumfurniture.com).

## Warranty Statement

We guarantee all Spectrum products to be free of all defects in materials and workmanship, for the original owner, for a period of ten years. Any item deemed defective by Spectrum or the original manufacturer, under normal use conditions, will be repaired or replaced at Spectrum's discretion. This warranty applies to all products manufactured and distributed by Spectrum except the products listed below.

Items that have a varying warranty include, but are not limited to, the following:

- Adjustable Crank/Electric Desk Legs (1 yr)
- Flat Panel Desk Gas Cylinders (1 yr)
- Upholstered Soft-Goods (5 yrs)
- Adjustable Height & Stacking Chair Parts – including frames, gas cylinders, wood and plastic parts, and control handles (7 yrs)
- Adjustable Height & Stacking Chair Casters (2 yrs)
- Chair Upholstery & Textiles (2 yrs of normal use of Soft Goods, Adjustable Height, Stacking, Wood and Metal Chairs)
- Chair Upholstery - Graded-In Fabrics and C.O.M (no warranty)
- Height Adjustable Columns and Lifts (1 yr)
- General Use Casters (1 yr)
- Electrical – Electri-Pak, Power Communication Modules, and special order ECA electrical items (1 yr)
- Electrical - Power Strips & Electrical Timers (1 yr)
- Electrical Surge Suppressors (lifetime)
- Electrical - Retractable Power Cords (1 yr)
- Keyboard/Mouse Trays (1 yr)
- Flat Panel Monitor Arm – General Parts (5 yrs)
- Flat Panel Monitor Arm – Gas Cylinders (2 yrs)
- CRT Monitor Arm (1 yr)

Warranty is void if product is not used for its intended purpose or subjected to an unusual application, multiple-shift use, alteration, accident, abuse or abnormal wear and tear. Representations of colors on-line and in printed materials are meant to be a close reference to the actual colors but not an exact match. Slight variations in color and texture of wood stains, powder coating, laminates, fabrics and other materials are normal in different manufacturing lots; as such these variations are not considered defects.

**DESIGNED FOR INDOOR USE ONLY** – Unless specifically stated in the product specifications, Spectrum's products have been designed and constructed for indoor use only. Moving or using outdoors, or on excessively rough surfaces, may cause damage to the products and will void the warranty. If an outdoor application is desired please contact us to discuss potential custom design solutions.

The warranty, as stated above, supersedes any previous warranties and is effective as of 9/1/2010



# Touchboards

205 Westwood Ave, Long Branch, NJ 07740  
Phone: 866-94 BOARDS (26273) / (732)-222-1511  
Fax: (732)-222-7088 | E-mail: [sales@touchboards.com](mailto:sales@touchboards.com)

 **SCS**certified™

**INDOOR AIR QUALITY**  
Indoor Advantage | Furniture

SCS-IAQ-02352

