

## Anthro Corporation Limited Warranty

### What Does This Warranty Cover?

This warranty covers any defects in material or workmanship in this Notebook Charging Cart.

### Who is Covered By This Warranty?

This warranty extends to the original consumer of the product only.

### How Long Does This Warranty Last?

The warranty lasts for two years from date of purchase for the electrical components (excluding the data cables, power cord and plug) and lifetime for the cabinet.

### What Will Anthro Do?

Anthro will send replacement parts only. Labor is not included.

### What Is Not Covered By This Warranty?

This warranty does not cover the power cord. This warranty does not cover product that has been damaged by accident, unreasonable use, neglect, inadequate repair, tampering or other causes not arising from defects in material or workmanship FOR AS LONG AS THE WARRANTY PERIODS LISTED ABOVE. Labor costs are not included. This includes but is not limited to the implied warranties or merchantability and fitness. Some states do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you.

ANTHRO'S RESPONSIBILITY IS LIMITED TO THE ACTIONS LISTED UNDER "What will Anthro Do?" AS LISTED ABOVE AND NOTHING ELSE.

This warranty does not cover, and Anthro will not be responsible for, any damages you may have due to loss of use of the product, or any other costs or expenses incurred by you or anyone else who uses the product, whether due to defects, breach of contract, negligence, strict liability or otherwise. ANTHRO IS NOT LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RELATED TO THE PRODUCT OR THIS WARRANTY. Some states do not allow the exclusion or limitations or consequential or incidental damages, so these limitations or exclusions may not apply to you.

### How Do I Get Service?

Call Anthro at 1-800-325-3841.

### How Does State Law Apply To This Warranty?

This warranty gives you specific legal rights and you may also have other rights that vary from state to state. This warranty is governed by the laws of Oregon, excluding its conflict of laws principles, unless your state requires that its law be used.

Thank you for choosing Anthro!

Please return the enclosed Registration Card to receive our product updates, new catalogs, and sale flyers.



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# NCC-series Charging Carts, Network-ready and Standard Owners' Manual

Hello! Thank you for choosing Anthro.



This unit has been listed as UL Information Technology Equipment 60950-1 safety standard. AC input: 120VAC 60 Hz. Max amps: 12A. Notebook Charging Carts are designed to secure, charge, and transport your notebooks and minis safely and efficiently.

Please review this manual before installing your equipment to learn how to use the cart safely.



Notebook Charging Cart, Small  
18-unit Network-ready  
20-unit Standard



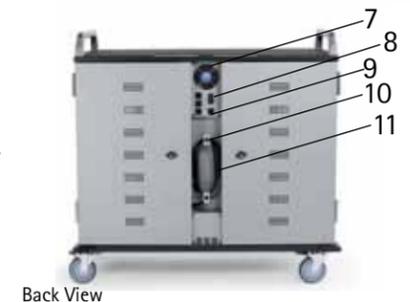
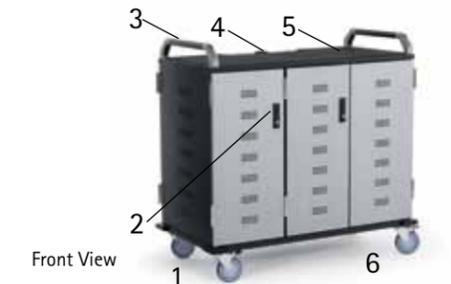
Notebook Charging Cart, Large  
27-unit Network-ready  
30-unit Standard

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## Components at a Glance

1. Directional Lock Casters
2. Locking Door Latch
3. Handle
4. Cord Pass-through
5. Non-skid Mat (sold separately)
6. Total Lock Casters
7. Cooling Fan
8. Power Switch
9. External Power Receptacles
10. Cord Wrap
11. 12-ft Power Cord
12. 15-ft External Data Cable (for network-ready carts, not shown)
13. Internal Data Cables (for network-ready carts, not shown)



## Getting Started

### Electrical Testing

- Before using your new NCC cart, have a qualified electrician verify the current draw does not exceed the rating of the cart when all the notebooks are installed. Notebooks should be turned off and batteries should be discharged when this test is performed.
- Test the contact integrity of the wall outlet using a receptacle tension tester such as a Woodhead 1760 or a Safeplug 1700.
- Test the branch circuit for ground integrity and branch circuit protection.
- Do not plug in the cart if the switch, receptacles, or power cord have been damaged or if the ground prong is missing from the plug. If repairs are ever needed, they should be performed by a qualified electrician.

### Important Safeguards – We want you to be safe!

*This cart is an electrical device. As with all electrical devices, use care when using the cart and follow these important safeguards:*

- Electrical devices are not toys. Children are often unaware of the hazards associated with electrical devices, so this cart must always be used by adults or with adult supervision.
- Do not use this cart outdoors.
- Liquids should not be stored in, set on or placed inside this unit.
- Never unplug this product from the outlet when your hands are wet or by pulling the power cord.
- Set the control switch to the middle OFF position whenever you unplug the cart from the wall, plug the cart into the wall, or plug devices into the cart.
- Be careful with the power cord. Do not use the power cord to pull the cart. Do not jam the power cord against sharp edges. Do not roll the cart over the power cord. Do not use the cart if the cord appears to be damaged or if the ground prong is missing. When the cart is not plugged in, always wrap the power cord around the cord wraps on the back of the cart.
- Do not use an extension cord with this cart.
- To protect the cart's contents and structural integrity, make sure the doors are closed and latched before moving the cart.
- Inadequate repair can create significant hazards to users and is not covered by the warranty. Repairs should always be performed by a qualified electrician.
- The standard NCC carts (20-unit and 30-unit) use MDA 15 fuses. For continued protection against risk of fire, replace only with this type and rating of fuse.
- **Anthro does not accept any liability for damage if the cart is misused, incorrectly operated or inadequately repaired. Under these circumstances the warranty will be void.**



## Trouble Shooting Questions

### How do I know if my computers will draw more than the allowed current?

Have a qualified electrician verify the cart's current draw once your notebooks are installed. Notebooks should be turned off and batteries should be discharged when this test is performed.

### The notebooks are all plugged in, but they won't charge. What do I do?

First, check all the connections. With the switch in the middle OFF position, inspect the power cord and plug to make sure that they're undamaged. Plug the cord into a working power outlet. Verify that each notebook is connected to its transformer brick and that each brick is plugged into the cart column. Move the switch to the down CHARGE position to direct power to the notebooks.

Next, check the fuse or circuit breaker. Move the switch to the middle OFF position. The 20-unit and 30-unit carts use MDA 15 fuses; replace the fuse if needed. The 18-unit and 27-unit Network-ready Carts use a circuit breaker. Press to reset if it's been tripped. Move the switch to the down CHARGE position to direct power to the notebooks.

Still need some help? Call Anthro at 800-325-3841 for assistance.

### Someone tried to break into the cart and damaged a door. Can it be replaced?

Yes, you can order a replacement. Call Anthro at 800-325-3841. We'll ask you for the model number of your cart and to identify the door by the telling us which side the hinges are on and whether it's for the front or back of the cart.

### My power cord is damaged. Is it covered under warranty?

No, it is not covered under warranty. If the plug is damaged, have a qualified electrician replace it. If the damage is too close to the cart to be replaced, contact Anthro for a replacement column.

### My computers didn't charge overnight. What is wrong?

Make sure the cart is plugged in. Make sure the control switch is pushed down so that power is directed inside the cart.

### When I plug in the cart it trips the circuit breaker. What is wrong?

The cart is designed to run on a 15 amp circuit. If you have other equipment or appliances plugged into the same circuit you may be overloading it. Have a qualified electrician check the circuit to make sure adequate power is available.

### My cart was damaged during shipment. What should I do?

Anthro has a program established with our freight carriers to address ship damage. Please contact Anthro at 800.325.3841 and we'll work with you.

### How do I find the cart's serial number?

The serial number label is located at the back of the cart behind the left door near the bottom, next to the power column.

### How do I know which notebooks are being charged?

In the 20-unit cart, when the power switch is down, power is directed to the receptacles inside the enclosure.

In the 18-unit, 27-unit, and 30-unit carts, a timer directs the power from one side of the cart to the other when the power switch is down and power is directed inside the enclosure. Indicator lights on the right and left of the power switch tell you which side of the cart is receiving power.

### I need to replace the fuse. What type of fuse should I use?

The standard NCC carts (20-unit and 30-unit) require an MDA 15 fuse. For continued protection against risk of fire, replace only with this type and rating of fuse.

### I have a network-ready cart, but my notebooks aren't connecting to the network. What should I do?

Double-check all the data cable connections: from the cart to each switch, from each switch to each notebook. Double-check the power connection from the cart to each switch.

## THE POWER SYSTEM

### External Power

NCC Carts come with four power receptacles on the back of the cart. The receptacle located under the switch is always on. As long as the cart is plugged in, this receptacle receives power. The three external receptacles receive power when the switch is up EXTERNAL POWER position.

When the switch is up and the external receptacles receive power, the internal receptacles do not receive power.

### Internal Power

When the switch is in the down CHARGE position, power is directed inside the cart to the receptacles at each shelf to charge your notebooks.

When the switch is down and the internal receptacles receive power, the three external receptacles do not receive power.

### Turn off the power

When the switch is in the middle OFF position, power is only available to the receptacle under the switch. Set the switch to this position when you unplug or plug in the cart.

### Fuses

The standard NCC carts (20-unit and 30-unit) use MDA 15 fuses. For continued protection against risk of fire, replace only with this fuse.

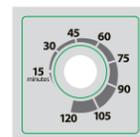
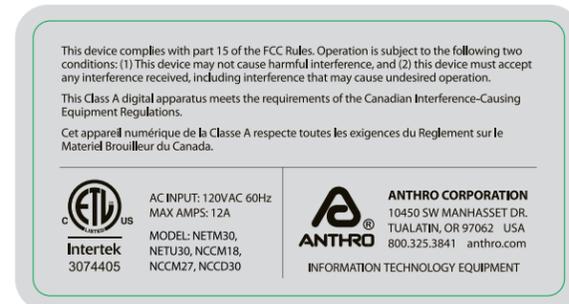
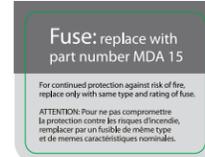
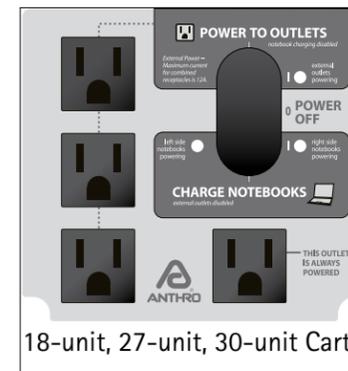
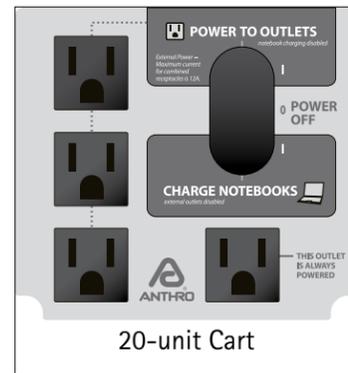
### 20-unit Cart

When set to down CHARGE position, the 20-unit cart's electrical system directs power to the internal power receptacles.

### 18-unit, 27-unit, and 30-unit Carts

When set to the down CHARGE position, these carts' electrical system directs power to one side of the cart at a time to reduce the cart's power draw. Indicator lights on each side of the switch tell you which side of the cart is receiving power, and a timer controls the length of each charging cycle. The timer cycle is set at 25 minutes when the cart leaves the factory.

The timer control is located on the back of the cart at the bottom left of the power column. To change the cycle length, adjust the dial on the timer control. The timer range is 15-120 minutes.



## Getting Started, continued.

### NOTICES – U.S.

#### Federal Communications Commission notice

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at personal expense.

#### Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

For continued protection against risk of fire, replace only with same type and rating of fuse.

### NOTICES – CANADA

This Class A digital apparatus meets the requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

For continued protection against risk of fire, replace only with same type and rating of fuse.

Pour ne pas compromettre la protection contre les risques d'incendie, remplacer par un fusible de même type et de mêmes caractéristiques nominales.

### Installing the Switch (Network-ready carts only)

- The bottom of the cart's enclosure is reserved for the installation of your network switch. Remove the cover panel at the base of the front of the enclosure. Using a 5/32" hex driver, remove the four fasteners (two on the left and two on the right) attaching the cover panel to the cart frame. Pivot the panel and slide it out.
- Slide your switches onto the shelf.
- At the back of the cart, plug in each switch's power cord to the 'ALWAYS ON' receptacles at the base of the cart column.
- Connect data cables from the base of the cart column to each switch.

### Loading Notebooks

- From the front of the cart, place one notebook on each shelf. Orient the notebook so that the power inlet is facing the front of the cart. Position the cable clips so that they are on the same side of the shelf as the power inlet on the notebook.
- From the back of the cart, place one A/C adapter on each shelf. In a fully-loaded large cart (27-unit Network-ready or 30-unit Standard), some shelves will hold two bricks each. They'll fit if you place them on their side.
- Route the power inlet cords from the adapter to the front of the cart, through the cable clips, so that the power plug is near the inlet on the notebook.
- At the back of the cart, plug the power cords into the receptacles next to each shelf.
- On network-ready carts, data cables are routed from the base of the cart to the front of each shelf and captured in the cable grabber. Connect a data cable to each notebook. The cable grabber can also be used to hold power cords at the front of the cart.

## HOW IT WORKS

*Notebook Charging Carts are designed to store, charge, and transport your notebooks safely and efficiently. The network-ready carts provide network cables from the base of the cart to each shelf for wake-on LAN connectivity. If you have any questions about how your cart works, please contact Anthro at 800.325.3841 and we'll be happy to help you!*

Here are a few things to know about your cart.

### Cable Management

Your NCC cart comes with several cable management features. To protect the cart's power cord, cable wraps are recessed into the back of the cart under the power area. Cable clips are provided to route the power inlet cord from the power adapter on the side of the notebook. And cable ties are provided to secure each A/C adapter to its shelf.

On network-ready carts, network cables are routed from the base of the cart to the front of each shelf.

To order replacements, contact Anthro at 800.325.3841.

### Casters

Most NCC carts ship with four 5" casters, two directional-lock (green tab) and two total-lock (grey tab). Directional-lock casters can be locked so they don't swivel. This makes the cart steer like the best grocery cart you ever had. If you need more maneuverability, release the green tabs so that all four casters swivel. To brake the cart, press the grey tab on the total-lock casters.

Some NCC carts ship with four 8" casters, two locking, swivel casters and two non-locking, rigid casters. Locks are on the side of the 8" locking casters.

### Doors and Locks

The front doors on your NCC cart feature a two-point locking system to protect your notebooks. To open a front door, lift the bottom of the handle and rotate it clockwise. To open a back door, rotate the handle clockwise.

Your cart shipped out with 2 keys. To order replacements, contact Anthro at 800.325.3841.

To protect the cart's contents and structural integrity, close and latch cart doors before moving the cart.

### Fan

Your NCC cart comes with a fan to cool the enclosure. The fan features a thermister control so the fan speed increases as the enclosure warms.



## HOW IT WORKS

**Removing and Re-installing Shelves** – Shelves can be removed to make space for larger equipment inside the enclosure.

### To remove a shelf

- At the back of the cart, remove the Phillips-head fastener under the A/C adapter shelf.
- At the front of the cart, pull the shelf out slowly. Shelf clips hold the shelves in place snugly, so expect a bit of resistance as you pull.
- In the 30-unit carts, 9 shelves are attached near the center column. Removing and replacing these shelves requires two people. From the front of the cart, use a 5/16" nut driver to hold the attachment nut in place. From the back of the cart, use a Phillips screwdriver to remove the fastener attaching the shelf to the center column. Once the fasteners are removed, pull out the shelf from the front of the cart. Shelf clips hold the shelves in place snugly, so expect a bit of resistance as you pull.

### To re-install a shelf

- At the front of the cart, slide the shelf through the shelf clips and into place.
- At the back of the cart, use the Phillips-head fastener to attach the shelf to the cart. Using a torque wrench, attach the shelf to the cart. Tighten the fastener to 20 in-lbs to ensure that the shelf is grounded.
- In the 30-unit carts, 9 shelves are attached near the center column. Removing and replacing these shelves requires two people. First, slide the shelf into place. Shelf clips hold each shelf in place snugly, so expect a bit of resistance as you push. From the front of the cart, use a 5/16" nut driver to hold the attachment nut in place. From the back of the cart, use a torque wrench with a Phillips bit to install the fastener that attaches the shelf to the center column. Tighten the fastener to 20 in-lbs to ensure that the shelf is grounded.

## THE NETWORK CONNECTION ON NETWORK-READY CARTS

Network-ready NCC carts come with data cables routed from the base of the cart to each shelf, and a single 15-ft long data cable connects your cart to your network. It is stored on the cable wrap with the power cable. Two external data ports are located on the power column, below the power receptacles, to provide a network connection to peripherals used on the top of the cart.