DUKANE

MCC3A Charging Cart User Guide

635mm

776mm

617mm

1200mm

1041mm

975mm
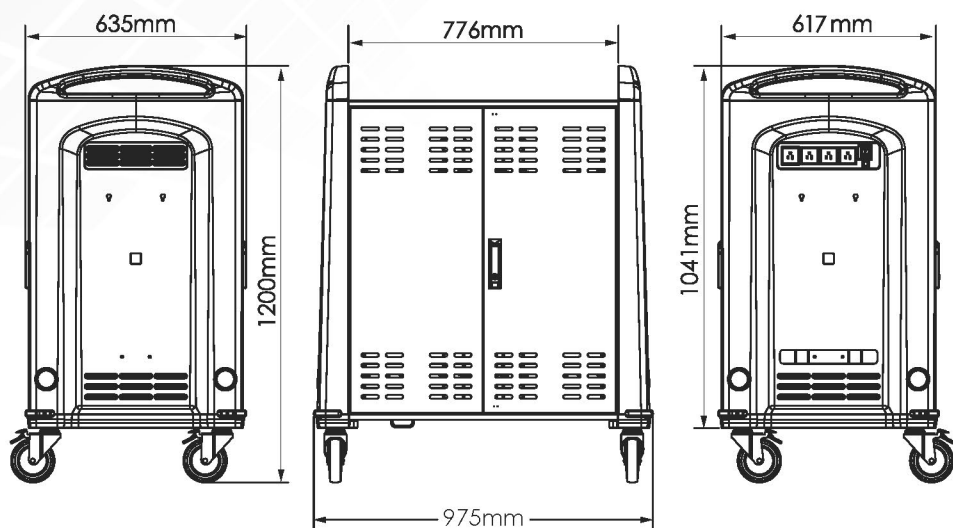
| Rating Input	AC 100-120 Vac, 50/60, 12A AC 220-240 Vac, 50/60, 10A
Output	AC 100-120 Vac, 50/60, 11A AC 220-240 Vac, 50/60, 9A
4 Port outlet	Max. Current 8A

Caution:1. Adult operation and supervision is recommended at all times.
2. To reduce Risk of electric shock use only indoors.

DUKANE CORP AV SERVICE DEPT

2900 Dukane Drive St Charles, IL 60174
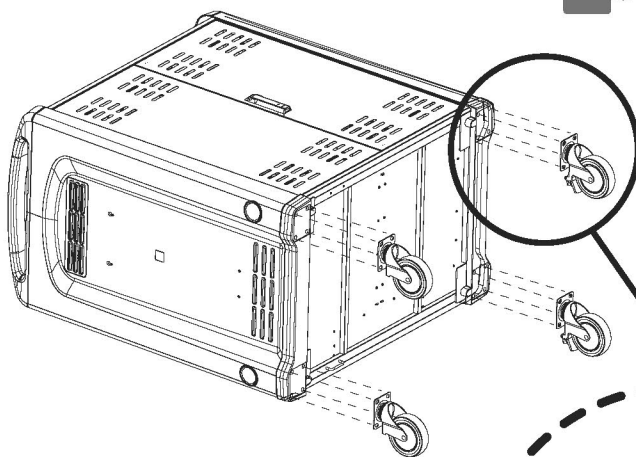800-676-2487
Fax 630-584-5156
avservice@dukane.com
http://www.dukane.com/av/service/

c (UL) us
LISTED
I.T.E.
E341990
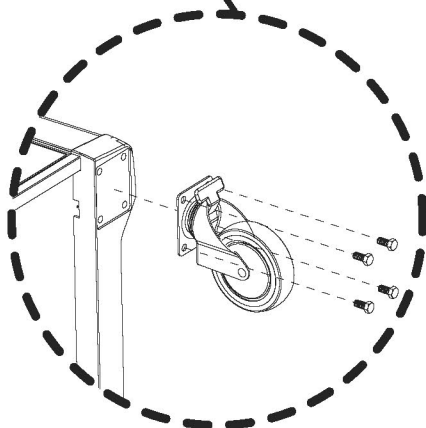
CE

Oct. 2015
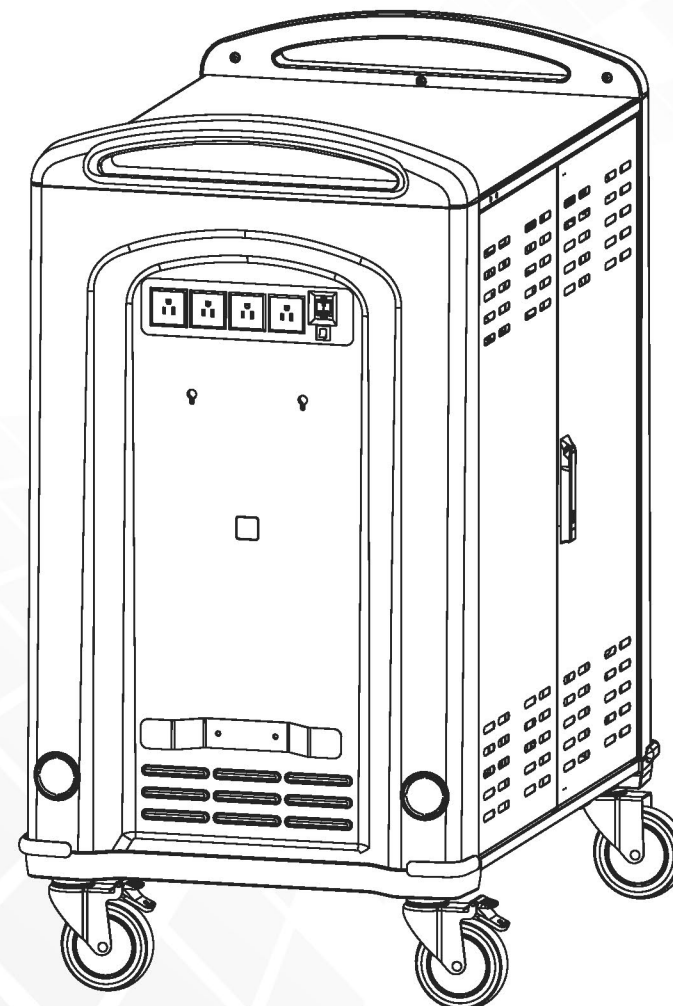
430-MCC3A-00

Step 1

► In a clear floor area lay the cart onto it's back.

Notice This assembly can require 2 people.

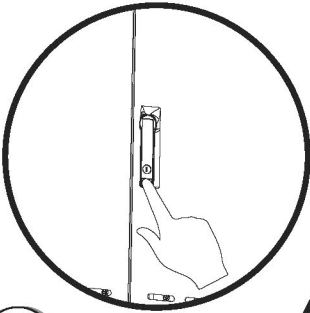► Attach the wheels by using 4 screws, nuts, and lock washers on each.

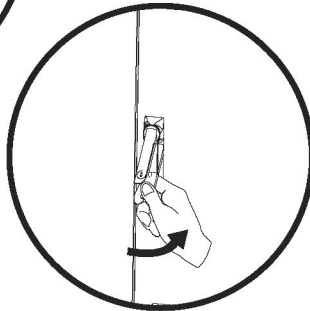Open cart rear doors.
Use key if locked.
Then push on lower region of the handle to release the door lock handle.
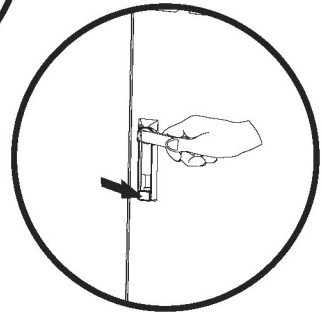
1 "Push" and lift handle

PUSH ↷

2 Turn right the handle

TURN ↷

3 Pull out the handle to open the door.

PULL ↘

► Install the supplied power cables which have a C14 plug for the power outlet strip and a female plug for the power adapter device.

Device adapter

12A Fuse

C13

C14

15A Fuse

Main power cord
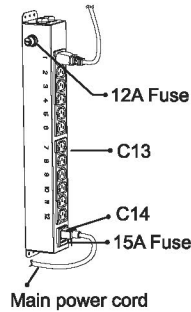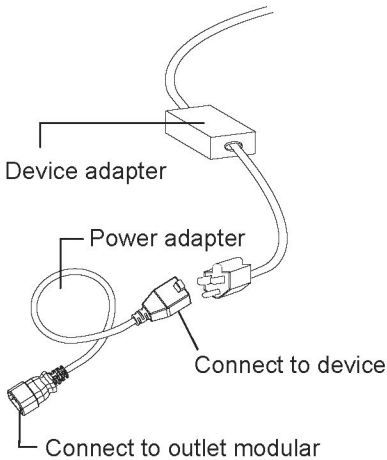
► Open the rear door and load the Chromebook power adapters and the power adapter cables.

Power adapter

Connect to device

Connect to outlet modular

► Install and arrange the cables.

Add 2 AAA batteries to the Timer Unit by removing the screw and placing them in the correct orientation. These batteries hold the date / time when the cart power is removed. See page 7.
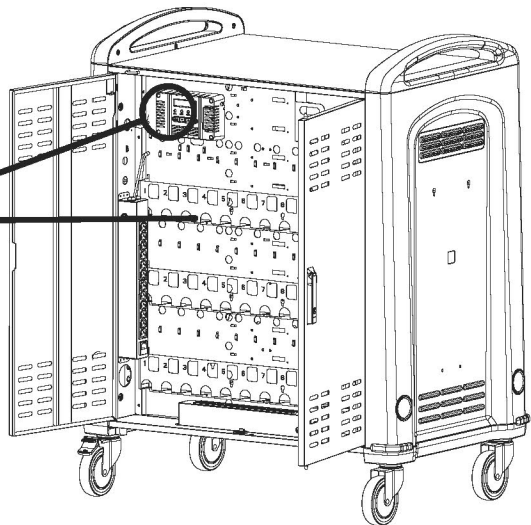
▶ Two "U" fastener locations for security of the cart and devices placed on the top surface.
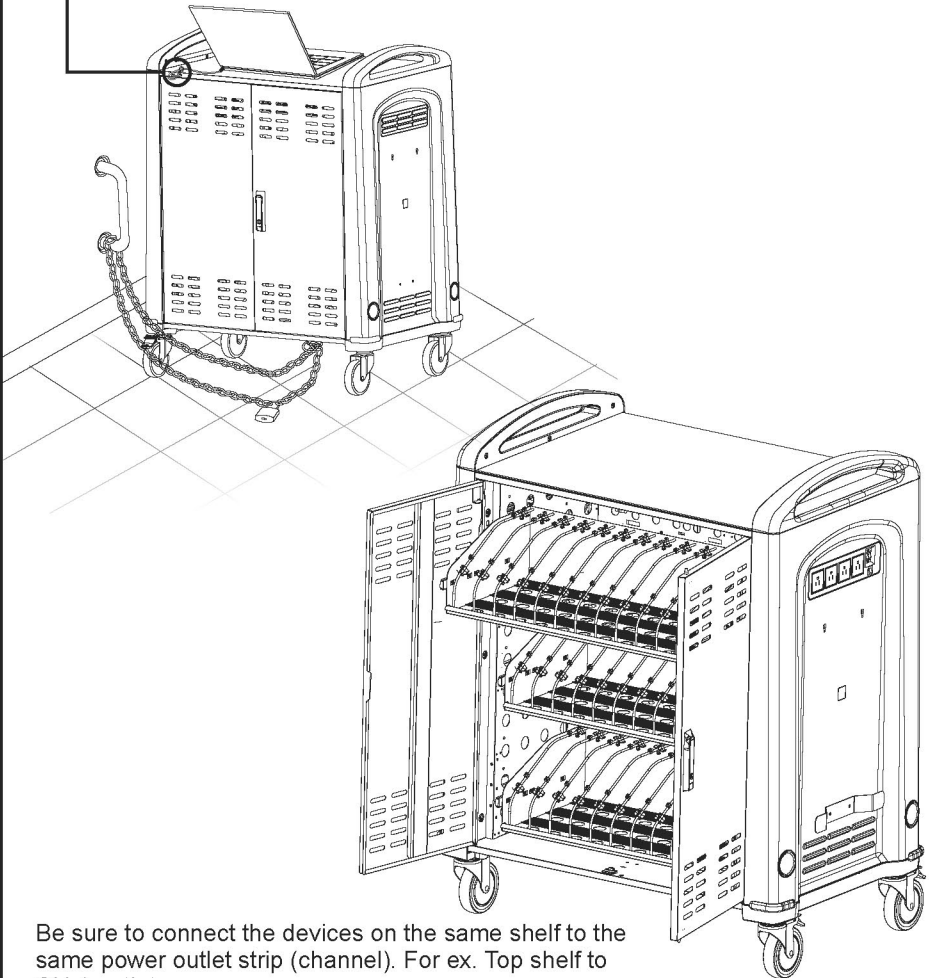
Be sure to connect the devices on the same shelf to the same power outlet strip (channel). For ex. Top shelf to CH 1 outlets.

4 accessory outlets

Access point kit holder

Power cable winder

Main power cord 10 ft
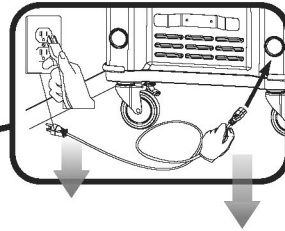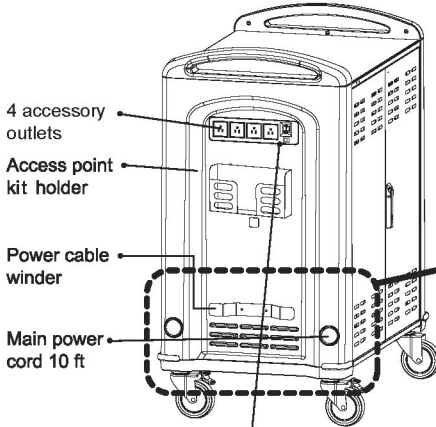
▶ **Insert power cable through hole and connect other end to wall outlet.**

4 Outlet power strip on side of cart

ON
OFF

Power switch for 4 outlet
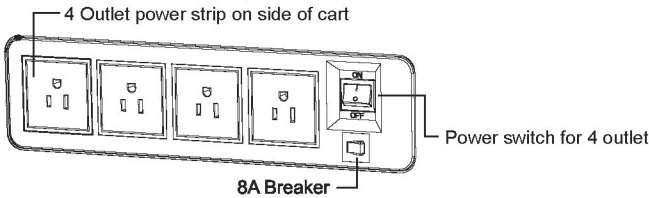
8A Breaker

▶ Push button under the breaker to turn on the power on for 4 outlet module.

Tips!

▶ When cart is plugged into the wall all 4 outlets can operate unless the charging program is running.

▶ The charging devices will require full cart power and the 4 outlets have no power when the charging program is operating.
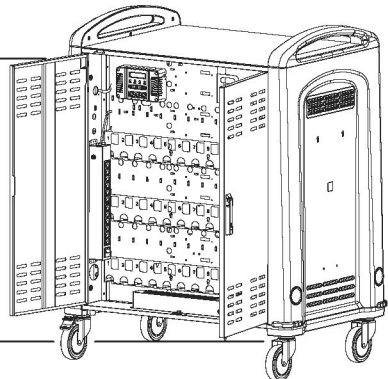
Arrange the cables

▶ **Cable clips for wire managment**

▶ Cable clip for securing and managing cables.

Setup of Control - On Screen Display (OSD)

```
SUN  09:30:15
NOW 2015 / 01 / 01
```

EXIT	CH1	CH2	CH3
ESC	—	+	Enter
Select	–	+	Enter

1.4HR Charge
Entry the charging mode

2.Charge Time
To execute the charge by each channel setting (1~8Hr)

3.Schedule
To reserve the charing time
ALL:(Through Mon to Sun)
M to F(Through Mon to Fri)
Sun.Mon.Tue.Wed.Thu.Fri.Sat
for every single day.

4.Set time
To set up the present time

5.Information
To check the battery status
*When the voltage of battery is under 2.8V, please change it.

```
MON : 00 : 00 : 00
NOW : 2015/01/01
```
OSD Display

ESC *Select ESC key x1

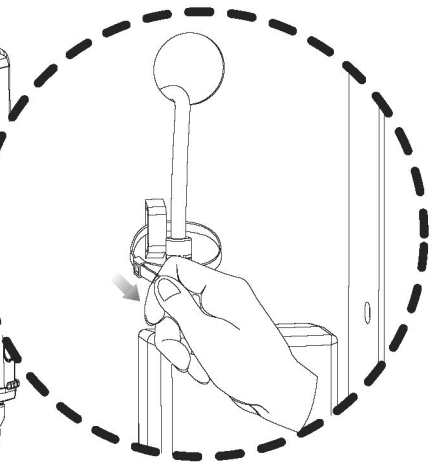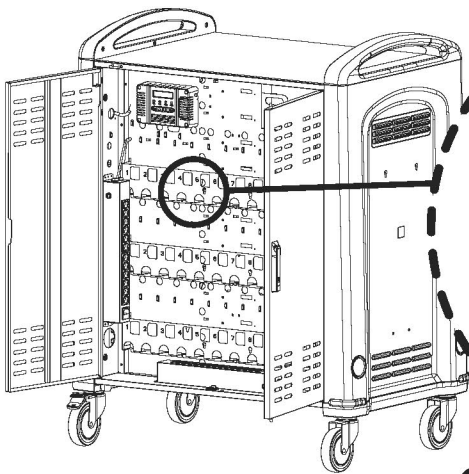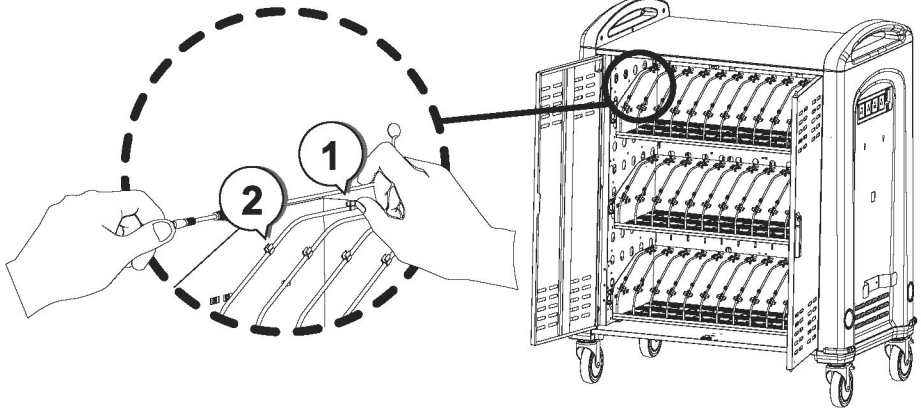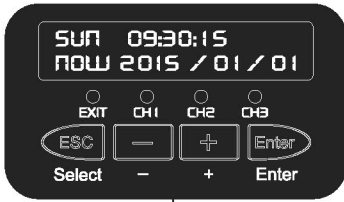| 4HR CHARGE	2. CHARGE TIME	3. SCHEDULE	4. SET TIME	5. INFORMATION
Enter	Enter	Enter	Enter	Enter

4HR CHARGE
```
C1  CHARGING
C2  WAITING
C3  WAITING
```
(4 hrs total charge to each channel. This is done by cycling a 15 minute charge time on each channel till the 4 hrs is accumulated).

2. CHARGE TIME
```
1. SET CH TIME
2. VIEW SETTING
```
```
CH1~CH3 T=4HR
RUN(Y/N= ?Y/N
```
```
CONFIRM
C1/C2/C3(Y/N)?Y/N
```
```
ENTER
```

3. SCHEDULE
```
01  ALL  00:00 Y/N
|   SUN.MON.TUE.WED.
|   THU.FRI.SAT : EVERY
    SINGLE DAY
08  M-F  00:00 Y/N
```
```
CONFIRM
```

4. SET TIME
```
SET :00:00 MON~SUN
NOW :00:00 MON~SUN
```
```
SET : 2000/00/00
NOW : 2000/00/00
```
```
CONFIRM
```

5. INFORMATION
```
SW VER : 0.12
BATTERY : 3.14V
```

* Press "ESC" to hold charging and press "Enter" to continue charing when operating the charging program.
* Press "ESC" and hold on for 4 sec to escape the present screen.
* The OSD will jump to the screen of present time if the setting action is paused over 60 sec.

Tips!

▶ The interior outlets will have power only after the "OSD" program is finalized.

▶ The controller can be programed only after the cart is plugged into a wall outlet.

CHARGING TIMER

1 **O**SD **D**isplay.

2 **C**harging **L**ED **D**isplay.

3 **C**ontrol **P**anel.

4 **B**atteries
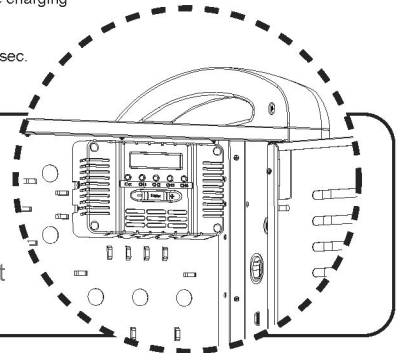
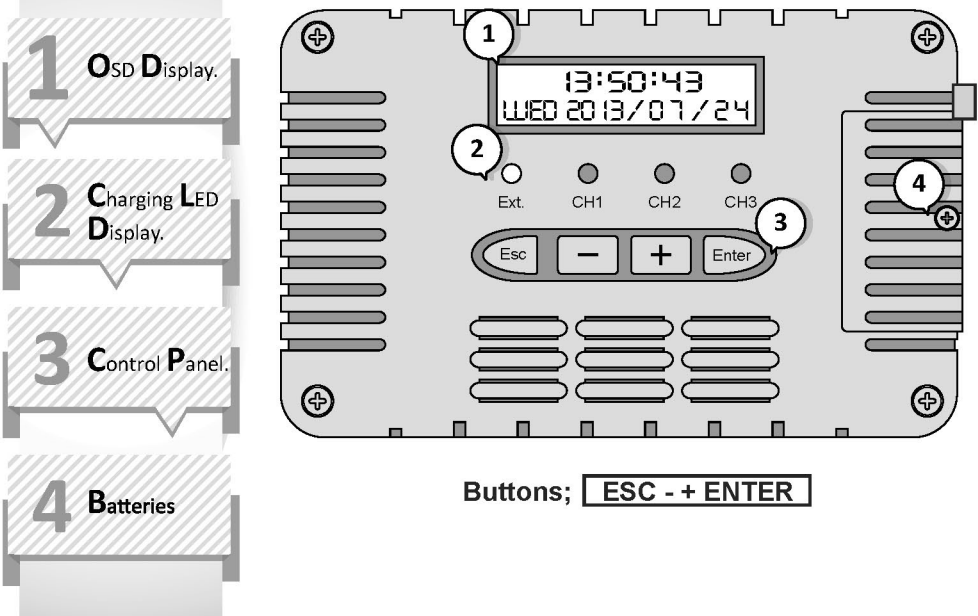Buttons; | ESC - + ENTER |

Charging Control unit

The cursor indicating the active line of the display is a flashing black box or a character.
The white lighted LED shows the status of the charging system. When ON the left most

LED "EXT" indicates the charging is not active. The other 3 LEDs indicate if a channel (power strip of 12 outlets) is active. For example the "CH 1" LED being ON indicates the channel 1 strip is active with power to the outlets.

To pause the charging press the ESC button on the left. The left "EXT" LED comes ON
The cart charges each channel for 15 min then moves to the next. This is repeated till the total time entered for each channel is reached.
To clear the menu operation, disconnect the power input plug from the bottom of the left side power strip.
Use the ESC button to get to the top menu level.
If there is no load on a power strip the controller will advance to the next Channel in 2 minutes.
The 4 outside power outlets will not be available when the charging program is operating.

Turing on the power to the cart.

On Screen Displays (OSD) Example.   "Wed 14:45:50" Date and time (Hour:min:sec)
"New 2014/01/09" (Year/Month/day)

Set the time if first time operation.   Push ESC button and go to menu item "4. Set time."

For Default 4 hour charging.

Push ESC button to get the menu " 4 Hr charging-cursor flashing " Push ENTER button. Will get a display that shows the Run End time for the Channels.
Now Ex, Display: C1 Charging   (Indicates Channel 1 is charging.)

C2 Waiting

C3 Waiting

The Channel 1 LED is also ON showing the channel is active. After 15 minutes the CH1 will switch OFF and Channel 2 will start charging for 15 minutes. This cycling will continue till all 3 Channels have accumulated a 4 hour charge.

MCC3A CHARGING CONTROL UNIT

Timer Ver 0.12

MENU (OSD) Press "ESC" button to get menu

1. "4Hr Charging" **Default Charging** The default is a 4 hr charge to each channel (Outlet Strip). Each outlet strip has a channel number.
To start the charging press ENTER button The CH1 LED should come on. The OSD will show the message : " C1 Charging" Indicating Channel 1 will be charging for 15 minutes. After 15 min Ch2 will begin charging for 15 minutes. Then Ch3 for 15 min and then back to Ch 1.

2. Charge time Use for the custom charge time Controls the charging time period for a channel. (1~8 HR)
1.Charge time; Use to set the charging time period for a channel.
Press ENTER to get "C1 T=4 Hr
Change to the desired time, Will get "Run(Y/N)=?N" or "Y" Use -/+ buttons to get desired.
Then Press ENTER .
Repeat for other Channels.
Get display: "Select" C1/C2/C3(Y/N)? N" or Y Get
desired N or Y and press ENTER.
Get display "Confirm" For confirmation press ENTER.
This will start the Charging cycle.

3. Schedule Used to set the days and the time of day the cart will automatically start the charging cycle. Also can set the time duration for the charging on each Channel.
1. Reservation Use to make the settings. Press ENTER.
Display is "01 All 02:00" Program 1 is set for all (All) the week days to start the charging at 2 AM.
Also get "02 Mon 04:00" Program 2 is for Monday only to start at 4 AM
Can select the day and time. There are 8 choices
Then can set the charge time for the Channels. For example; "C1 T=0.5 Hr"
When the programming is completed press ENTER.
Get display ; "Select" C1/C2/C3(Y/N)? N" or Y Get
desired N or Y and press ENTER.
Get display "Confirm" Press ENTER. This will start the charging on specified day and time.

4. Set time (To set the control unit to the present time and date)
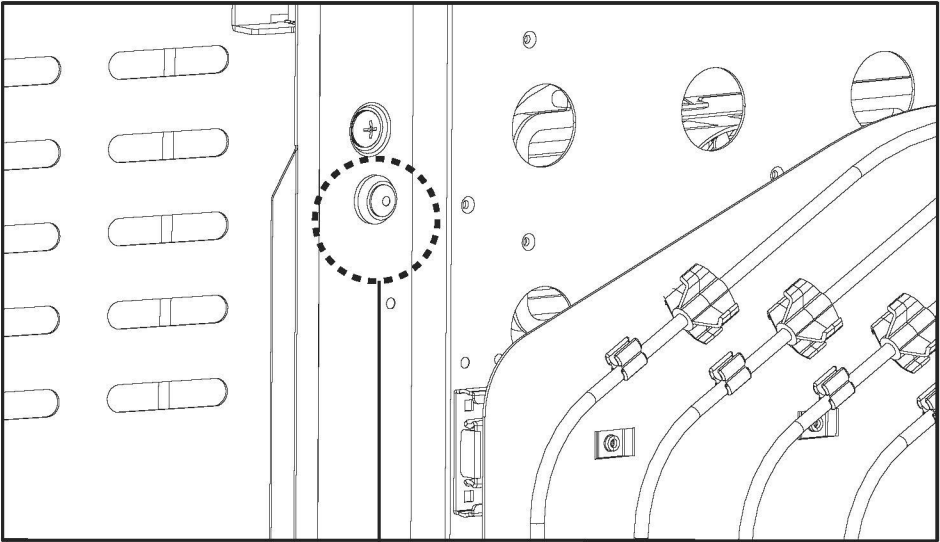**1. Set the time Press ENTER**
Set time, day month, year. Use the -/+ buttons
2. See Time Use to check the time settings.

5. Information (Software Version) and the AAA battery voltage

QUICK CHARGING OPERATION

Quick charging operation

Push Button with Light inside (Button inside front door on cart)
When cart has power the button LED will be a solid blue light.
To start the Quick Charge Operation push button.
When charging the button LED will flash.
To stop charging, push button again.

Push button is located inside the front door on the left panel by the hinge

Quick charging operation
Note this for operation without opening the rear door of the cart.

1. Be sure cart has 115 VAC power. (It is plugged into wall power outlet.)
2. Press Button with LED. It is located inside the front door.
3, When LED is flashing the cart will charge a total time of 4 hours on each channel (Shelf). This will occur at a rate of 15 minutes per channel. This is the same as the "4 HR charge" setting on the timer. The total run time will be 12 hours if all the shelves have devices.
4. If a shelf is empty then it will be ON for only 2 minutes and the timer will skip to the next shelf.
5. To stop the "4 HR charge" press the button with the LED.
6. To stop any charging operation, remove the power cord for the cart from the wall outlet. Cut power to the cart.

General guidelines

The 15 minute cycling of the power to the channels (shelves) permits a full load of devices to all get a fast charge in a short amount of time.
If there are programmed charge periods and the cart is not plugged into power at the time the period is scheduled to begin, the cart timer will skip that period, and activate at the next scheduled time if the cart has power then.
Also, if power is removed during a charging period the cart will stop that charge cycle and wait till the next scheduled period or Quick Charge Button activation.

DUKANE CORPORATION
RECHARGING PRODUCTS WARRANTY

15-YEAR LIMITED MECHANICAL ASSEMBLY WARRANTY
2-YEAR LIMITED ELECTRICAL COMPONENT WARRANTY!

This Dukane recharging product is warranted to the original purchaser for a period of fifteen (15) years from the original purchase date against defects in mechanical assembly defects. Defects in electrical component material and workmanship are warranted for a period of from two (2) years the original purchase date.
DUKANE CORPORATION EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

DURING THE WARRANTY PERIOD, DUKANE CORPORATION'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO THE REPAIR OR REPLACEMENT OF PRODUCT AT DUKANE CORPORATION'S OPTION. REPLACEMENT PRODUCTS MAY BE NEW OR USED. The following are not covered by the limited warranty and Dukane Corporation shall not be liable for:

1. Any product which is not distributed in the U.S.A. or Canada by Dukane Corporation or an authorized dealer.
2. Damage, deterioration or malfunction resulting from:
   • Mispackaging, accident, misuse, abuse, neglect, improper ventilation, fire, dust, smoke, water, lightning or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
   • Repair or attempted repair by anyone other than a Dukane Corporation authorized service center.
   • Any shipment of product (claims must be presented to the carrier).
   • Any other causes which do not relate to a product defect.
3. Cartons or any accessories used in connection with the product.
4. Service required as a result of third party components.
5. Product used as commercial rental units

Dukane Corporation will pay labor and material expenses for covered items but Dukane Corporation will not pay for shipping and related charges incurred in returning the product for warranty repair.

Dukane Corporation disclaims all liability for incidental or consequential damage of any kind.

No person, firm, or representative is authorized to assume any obligation or to make any warranty on behalf of the Dukane Corporation other than as stated above.

Feature

1. Can hold up to a screen size of 15.6" for some models.

2. All charging slots are removable.

3. Cooling vent on both front and rear doors.

4. Swiveling 5" casters (2 with brake locks).

5. 3-point turn steel latch locking system.

6. Durable and sophisticated plastic design.

7. Uses 18 gauge steel for main structure, with a powder coated finish. Comes complete with all the necessary parts.

8. Surge protected power strip and sequenced charge time control. All electrics are UL listed.

9. Uses original notebook adaptors.

10. All hold up trays and drawers are interchangeable.

11. Wire management for quick and easy storage of cable when not in use.

12. Powers all your peripherals from one standard wall outlet.

13. 4 Power outlets on outside for external use. They operate when the inner charging system is not in use.
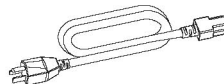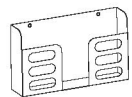
Accessory

| Battery | Cable Ties (36pcs) | Manual | Adapter Power cord (36pcs) | Key | AP Holder |