LapCabby®

Charge | Store | Secure & More...

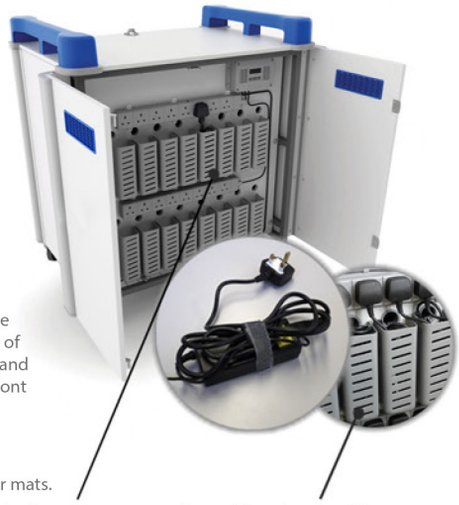
# Instructions

## Laptop Charging & Storage Units

Featuring a unique Power Management system
to reduce our environmental impact

# Loading Guide

## LapCabby V Series - 10V 16VC 20V 32V

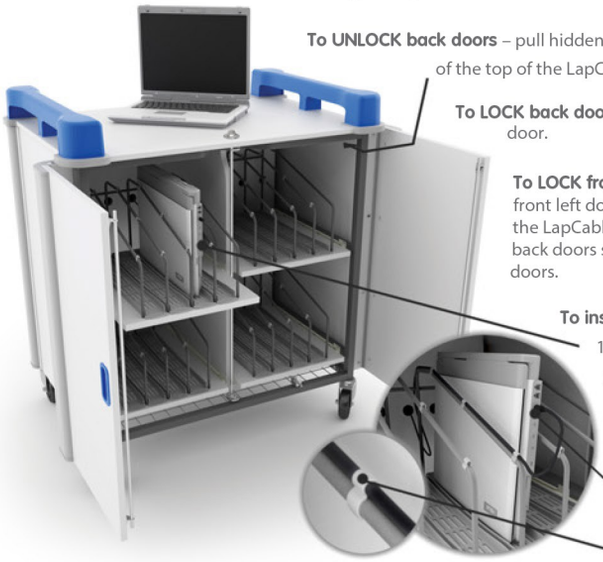


**To UNLOCK front doors** – turn the key located on top of the LapCabby according to diagram shown on lock.

**To UNLOCK back doors** – pull hidden handle located on the underside of the top of the LapCabby.

**To LOCK back doors** – close the rear right door first, then close the rear left door.

**To LOCK front doors** – ensure back doors are closed securely, close the front left door then close the front right door. Turn key located on top of the LapCabby according to diagram on lock. This locks both the front and back doors securely. Back doors MUST be closed prior to locking the front doors.

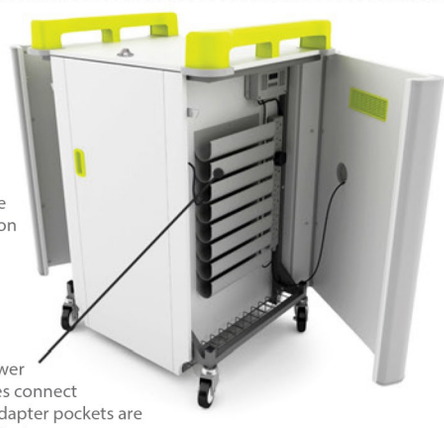


**To install laptops into LapCabby:**

1. Place laptops between wire bars on the protective rubber mats.
2. Place power adapters in holders located in the separate back compartment as shown. The adapter cable should be neatly organised and secured with a suitable tie strap/rubber band. No cables should overhang outside the holders, as this may damage the cable when the rear door is shut. Internal dimensions for AC adapter pocket are W68 x D61 x H199mm (1 AC adapter per pocket).
3. Pass power adapter cables through holes on back panel and push into clips to secure.
4. Plug power cables into laptops and adjust the length of the cables so drawer can be opened.
5. Put supplied cable clips onto the cables and clip to the metal bars to secure as shown.
6. Plug mains plugs from adapters into power extension strips.
7. Pass the LapCabby mains lead through the cable outlet located on the back door.

**Note:** 2 castors have lockable wheels. Please lock when LapCabby is in position by pushing down on the castor foot plate.

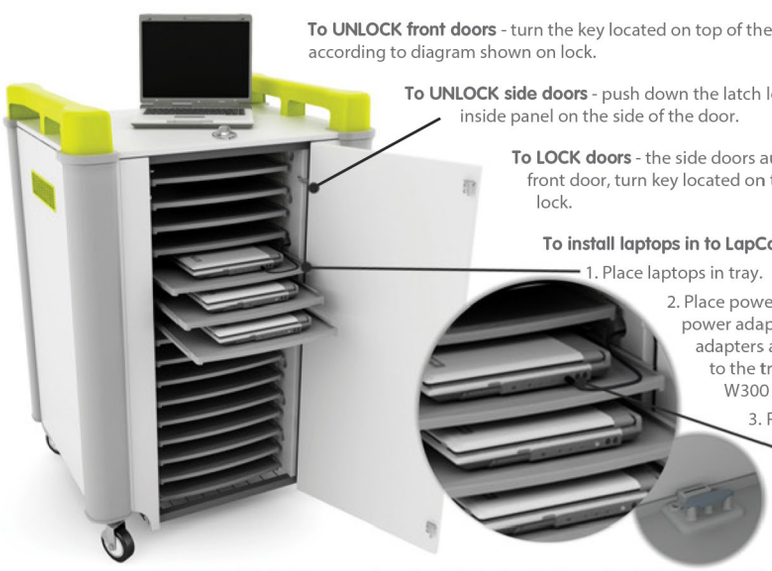
## LapCabby H Series - 16H 32H



**To UNLOCK front doors** - turn the key located on top of the LapCabby according to diagram shown on lock.

**To UNLOCK side doors** - push down the latch located on the inside panel on the side of the door.

**To LOCK doors** - the side doors automatically lock when closed. Close the front door, turn key located on top of LapCabby according to diagram on lock.



**To install laptops in to LapCabby:**

1. Place laptops in tray.
2. Place power adapters in holders as shown (holds 1 power adapter in 16H and 2 in the 32H). Ensure power adapters are on the relevant side, so that the holes connect to the trays in use. Internal dimensions for AC adapter pockets are W300 x D66 x H68mm (2 AC adapters per pocket).
3. Pass power adapter cables through hole in side panel and push into clips.
4. Plug power cables into laptop.
5. Adjust cable lengths so trays can be opened and clip into tray.
6. Plug mains plugs from adapters into power extension strips.
7. Pass the LapCabby mains lead through the plastic cable outlet in the door.

**Note:** 2 castors have lockable wheels. Please lock when LapCabby is in position by pushing down on the castor foot plate.

## LapCabby Mini Series - 20V 32V 40V

**To UNLOCK front doors** – turn the key located on top of the LapCabby according to diagram shown on lock.

**To UNLOCK back doors** – pull hidden handle located on the underside of the top of the LapCabby.

**To LOCK back doors** – close the rear right door first, then close the rear left door.

**To LOCK front doors** – ensure back doors are closed securely, close the front left door then close the front right door. Turn key located on top of the LapCabby according to diagram on lock. This locks the front and back doors securely. Back doors MUST be closed prior to locking the front doors.

**To install netbooks/tablets/Chromebooks into LapCabby Mini:**

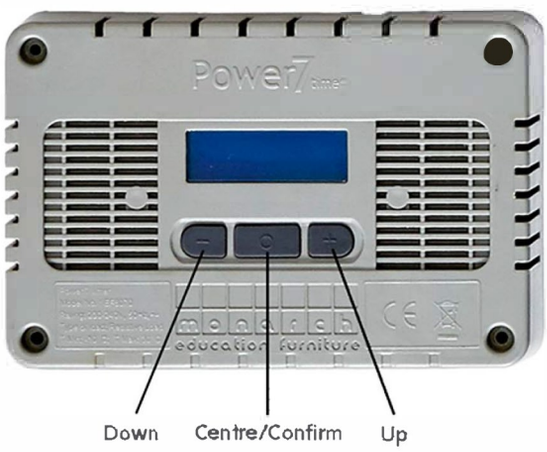
1. Place netbooks/tablets/Chromebooks in coloured storage boxes, two devices per box.
2. Place power adapters in holders in the separate back compartment as shown. Please note: The LapCabby Mini range is intended for use with netbooks/tablets/Chromebooks and mini AC adapters. Internal dimensions for AC adapter pockets are W41 x D90 x H195mm (2 AC adapters per pocket, 10 AC adapters per compartment).
3. Pass power adapter cables through holes on back panel and push into clips to secure.
4. Plug power cables into laptops and adjust cable length so drawer can be opened.
5. Clip cables into the moulded clips on the laptop storage boxes to secure as shown.
6. Plug mains plugs from adapters into power extension strips.
7. Pass the LapCabby mains lead through the cable outlet located on the back door

**Note:** 2 castors have lockable wheels. Please lock when LapCabby is in position by pushing down on the castor foot plate.

Power7 timer

# POWER 7 V2– Setting and Operating Instructions

**Important Note: All laptops must be switched off and closed before charging.**
**When powering up the LapCabby / UniCabby for the first time, depending on your time zone, the unit might automatically enter a timing period, to ensure the LapCabby / UniCabby is in the correct time zone please follow the instructions below from item 2, or to reset 'Timers' follow instructions from 'Setting Timers' below.**




The Power 7 timer allows you to charge your devices to timing periods that are suitable to your individual needs. You have three timer functions available, these are:

**Always on mode** – Constant power to your devices all the time

**Manual Charge mode** – Deliver power to your devices at any time for a set amount for time

**Timed Charge mode** – Deliver power to you devices at a time suitable to your requirements for an amount of time suitable to you.

**Using your trolley for the first time**
Plug the trolley into a socket with the IEC cable supplied.

## Setting Time & Date

When the Power 7 is powered up, the main screen will display the time and date. If the time and date is incorrect, this can be adjusted by following the next few steps.
- Press and hold the three control buttons for 5 seconds
- Set Clock? – Yes
- Use the + & - buttons to scroll through and select the correct date. Press the centre button to confirm
- Use the + & - buttons to scroll through and select the correct time. Press the centre button to confirm

Clock setting is now complete

## Always on mode

- Press and hold the centre button for 5 seconds
- Always on? – Yes

The timer is now set in always on mode.
- To exit the always on mode, press and hold the centre button for 5 seconds
- Always on? – No
- Set manual time? – press the centre button to confirm
- Set timer 1? - Exit

## Manual charge mode

- Press and hold the centre button for 5 seconds
- Always on? – No
- Use the + & - buttons to scroll through and select the required manual charge timer duration required to a maximum of 7 hrs 59 minutes. Press the centre button to confirm,
- Set Timer 1? – Exit
- Set timer is now set
- Press and hold the + & - buttons together for 5 seconds to start manual charging
- To exit manual charge mode, press and hold the central button for 5 seconds

## Timed charge mode

- Press and hold the centre button for 5 seconds
- Always on? – No
- Set manual time – press the centre button
- Set timer 1? – Yes
- Select timer start time for Sunday using the + & - buttons to scroll through
- Use the + & - buttons to scroll through a suitable timing duration. If the timer is not required, press and hold the + & - buttons together to turn the timer off.
- Press the middle button to confirm
- Repeat the above process to programme timers for the rest of you week.
- The above process can be repeated for timer 2 and timer 3.

**Important Note: A temperature sensor has been fitted to this LapCabby / UniCabby unit, power will cut out if the temperature inside the unit exceeds 35°C (95°F) and will resume charging at approximately 29°C (84°F)**

# Power 7 V2.0c Cyclic Charging Supplementary Instructions

The V2.0c version of the Power 7 Controller recognizes the incoming supply voltage frequency on power up and if it detects a frequency of 60Hz, (the frequency of a 110v/120v supply) as typically used in Northern and Southern American countries such as Canada and the USA etc, it will switch the controller into Cyclic Charging Mode.

When the Power 7 is initially powered up it will display the "Line Freq =" followed by the measured line frequency e.g. in the case of Canada "60 Hz"

If a frequency of 60Hz is detected on power up then Mode One is selected. This mode switches 3 of the 4 powerstrips on initially and then cycles the power strips on a 3 on/1 off cycle every 15 mins as per the chart below:

Sequence Mode 1

| Sequence Time | Powerstrips | | | |
|---|---|---|---|---|
| | 1 | 2 | 3 | 4 |
| 15mins | On | On | On | Off |
| 15mins | On | On | Off | On |
| 15mins | On | Off | On | On |
| 15mins | Off | On | On | On |
| Repeat | | | | |

The Sequence mode can be changed from Mode 1 – 3 on/1 off to an alternative Mode:
Mode 2 – 2 On/2 Off as per the Sequence Chart below:

Sequence Mode 2

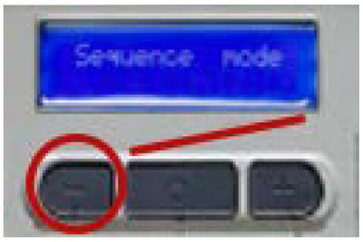
| Sequence Time | Powerstrips | | | |
|---|---|---|---|---|
| | 1 | 2 | 3 | 4 |
| 15mins | Off | Off | On | On |
| 15mins | On | On | Off | Off |
| Repeat | | | | |

In addition to changing the sequence mode, the Time Delay for each sequence change can also be changed from 10 to 60 mins.

## Changing the Sequence Mode and Time Delay

### Sequence Mode

To change the sequencing mode and/or sequence time delay, switch off the power to the charging cart, then press and hold the left Power 7 button (the '-' button) and switch on the supply to the charging cart . "Sequence Mode" will be displayed on the top line of the Power 7 Display.




On release of the left hand '-' button, the sequence option screen is displayed – Options are:
"None One Two"


Sequence None puts the Power 7 into a none sequencing mode i.e. all powerstrips will be switched on all the time when in a charging mode.

Sequence "One" and "Two" are as previously described.

To Change the sequence mode simply press the respective button below the display.

If no selection is made within 10 seconds, the Power 7 will go into Auto Mode and hence switch to Sequence One if it detects a 110v/120v/60Hz supply or "None" mode if it detects 230v/240v/50Hz supply.

Pressing "None" will put the power 7 into a none sequencing mode i.e. all powerstrips will be switched on.

Pressing "One" will put the power 7 into a 3 On/One off sequencing mode

Pressing "Two" will put the power 7 into a 2 On/2 Off sequencing mode

### Sequence Time

Pressing either "One" or "Two" the sequence time is displayed


Pressing the right hand "+" button or the left hand "-" button will enable the sequence time to be changed from any time between 10 mins and 60 mins e.g. 20 mins – the default is 15 mins


Pressing the centre button or waiting approximately 10seconds completes the set up.

All other Power 7 settings e.g. Setting the Time and Date and Charging Modes are as per the standard Power 7 instructions that come with the Lapcabby unit.

### Maximum Continuous Load

The maximum acceptable total continuous loadings are as follows:

| Region | Supply | Max Continuous Load/Sequence | | |
|---|---|---|---|---|
| | | None | One | Two |
| UK | 230V 50Hz | 2880W | 3840W | 5760W |
| Europe | 230V 50Hz | 2760W | 3680W | 5520W |
| North America | 120V 60 Hz | 1440W | 1920W | 2880W |
| | **Charging Speed** | 100% | 75% | 50% |

In North America the maximum load on a single socket is 1440 watts (120V x 10amps).

Many tablets and laptops require between 20 watts and 45 watts, however newer devices may require more power.

The Power 7 on a LapCabby or UniCabby unit defaults to cyclical charging when it detects a 110V/120V supply. This means that one power strip is off while the others charge with the 'off' strip rotating every 15 minutes. This adds 25% to the charge time but also reduces the load on the socket by 25%.

If you have a 36V unit, with 36 laptops that require 45 watts each this requires 36 devices x 45 watts = 1620 watts required
In this scenario the total requirement of the devices is over the maximum load available from the socket.
You must leave the device in cyclical mode, charging only 27 devices at a time, 27 devices x 45 watts = 1215 watts required

If you have a 36V unit, with 36 laptops that require 30 watts each this requires 36 devices x 30 watts = 1080 watts required
In this scenario the total requirement of the devices is under the maximum load available from the socket.
You have the option to disable cyclical charging following the instructions above.

It is the end users responsibility to calculate and verify the maximum requirement of their devices before switching off cyclical charging.

If cyclical charging is disabled and the Power 7, devices, or electrical supply are damaged due to overload this will not be covered by the warranty.

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Model No.: EF8070

## General Safety Precautions

**IMPORTANT:** The socket outlet shall be installed or situated near the equipment and shall be easily accessible.

The LapCabby should never be used on any inclined surface. Never have more than two drawers or shelves in the open or loading position at any time.

Always ensure that all the doors are fully closed and locked and that the mains power lead has been disconnected before moving the LapCabby.
Forcing the doors beyond 90 degrees will cause damage to the hinges (excludes the front doors on 16H and 32H units which open to 160 degrees).

This unit is designed for storage and re-charging purposes only.
This unit is specifically designed for use with laptops and their factory supplied AC adaptors, they should not be used with any other equipment.
Do not leave the unit unattended in areas where children may have access.

The brakes on the castors should be operated to prevent movement and the doors should be locked and the key removed whenever the unit is parked, unattended or charging.
Always disconnect the LapCabby mains power lead from the wall outlet before opening the doors or altering the AC adaptor configuration.

When the LapCabby is unplugged from the mains wall socket outlet you should ensure that the outlet is switched off wherever possible.

To avoid risk of electric shock or fire the unit should only be used by a competent adult.
This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.
The mains power lead must not be pulled on to move the LapCabby. When moving the LapCabby the mains power lead should be stored inside the LapCabby to avoid damage.
Inspect the plug and mains power lead on a daily basis, if the plug and power lead is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

LapCabby units are supplied with two braked and two unbraked castors to allow you to move your LapCabby at any time and are intended for indoor use only (carpet, wood or tiled floors). Movement across bitumen, tarmac, concrete and rough surfaces is not recommended and doing so will void any warranty claims for damage to the wheels.
When moving your LapCabby between floors it is strongly recommended that the unit is transported via a lift or ramp. Do not wheel the LapCabby up/down stairs as this will cause damage to the unit.

The LapCabby and Power 7 should be used in a dry environment and at normal room temperatures. No water or moisture must be allowed into the unit. The LapCabby must not be used outdoors. The LapCabby should not be moved across any external areas unless the weather is warm and dry. If it is unavoidable then this should only be done in dry conditions and the LapCabby must be allowed to stand in normal room conditions for at least four hours before it is connected to any laptops or supply sockets.

The power extension strips inside this unit are to be used for the recharging of laptop computers only and no other purpose.
The use of the extension strips for recharging or powering any other equipment will invalidate the warranty (with the exception of factory fitted optional extras).

The LapCabby is fitted with 2 extractor fans to keep the inside of the cabinet cool these operate automatically and will turn themselves on and off, there are NO user settings.

### Safety Precautions for the Power 7 Timer

**Important** the **total** load on any power extension strip must not exceed 6amps and the **total** load on ALL power extension strips must not exceed 12amps.

**Important** the **total** load on any power extension strip must not exceed 6amps and the **total** load on ALL power extension strips and auxiliary socket when fitted must not exceed 12amps. (Auxiliary socket is a factory fit option)

**Important** - The Power 7 has a Lithium Manganese Battery backup for the timer functions, the Battery is permanently fixed to the PCB and is a factory replacement item. No attempt should be made under any circumstances to remove the battery from the circuit board any attempt to fit an incorrect type of Battery could lead to an explosion.

There are no serviceable parts in the Power 7 only trained personnel are allowed access to the inside of the Power 7 unit. Do not modify the unit in any way.
Under no circumstances should the air vents on the LapCabby be covered.
Under no circumstances should the air vents on the Power 7 be covered.

Before any cleaning of the plastic casing the mains power lead must be removed from the mains socket. Cleaning of the plastic casing should only be done using a clean dry cloth. No liquid detergents or aerosol cleaners are to be used.

## Technical Data Sheet

Degree of protection against ingress of solid objects, dust and water: **IPX0**

Degree of protection against electric shock: **Insulation-encased Class I control**

Degree of pollution: **2**

Nature of supply: ~
Rated mains supply voltage: **UK: 230V**
**Aus: 230V**
**Euro: 230V**
**US: 115V**
**South Africa: 230V**
Rated frequency: **UK: 50Hz**
**Aus: 50Hz**
**Euro: 50Hz**
**US: 60Hz**
**South Africa: 50Hz**

Max. current: **12A : Total load on all Power Extension Strips**
**6A : Total load on any single Power Extension Strip**

Rated impulse to withstand voltage: **2.5KV**

Type of power connection:
**UK:** Detachable mains power lead with UK 3 pin plug and C19 Connector
**Aus:** Detachable mains power lead with Australia 3 pin plug and C13 Connector (AS/NZS 3112:2004)
**Euro:** Detachable mains power lead with Schuko type plug and C13 Connector
**US:** Detachable mains power lead with Nema 5 - 15P and C19 Connector
**South Africa:** Detachable mains power lead 15 amp round 3 pin plug and C19 Connector

**Only the supplied mains cord should be used with the LapCabby.**

Number of cycles of automatic: 10000

**Operating Temperature:**
We recommend 5 degrees - 33 degrees Celsius, the unit will automatically switch off at 35 degrees Celsius and will switch back on at 29 degrees Celsius, this is to protect the Laptop Battery.

**Cooling condition:** Natural Convection plus automatic extractor fans.

**Correct disposal of this product:**

This marking indicates that this product should not be disposed with other household wastes throughout the EU, US and Australia. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

**EQUIPMENT MUST BE SUPPLIED FROM EARTHED / GROUNDED SUPPLY**
High Touch current can result from the summation of the touch currents of each of the devices plugged into the unit.
To protect against a hazard the connection to protective earth should be reliable.
The equipment supply connection (mains plug, mains cable and inlet) must be annually inspected / checked for signs defects or excessive wear and replaced where necessary.

**DANGER!**
**RISK OF ELECTRIC SHOCK**
**DANGER! ELECTRICAL CORDS CAN BE HAZARDOUS**
**MISUSE CAN RESULT IN FIRE OR DEATH BY ELECTRIC SHOCK**