



LapCabby

Laptop Charging & Storage Units >

Instructions

Featuring a unique Power Management system to reduce our environmental impact



LapCabby V Series Loading Guide

10V 16V 20V

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. 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 Loading Guide

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 Loading Guide

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 the front and back doors securely. Back doors MUST be closed prior to locking the front doors.

To install laptops into LapCabby Mini:

1. Place netbooks in coloured laptop storage boxes, two netbooks 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 mini laptops/netbooks 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.

POWER 7 - Setting and Operating Instructions

The **Power 7** is a 7 day timer that through the menu system allows for the automated recharging of the laptops stored in this LapCabby. Ideally, the recharging period should be performed overnight on **lower tariff electricity** commonly known as 'off peak' electricity. This means that minimal energy will be used by the LapCabby during normal school hours unless the manual charging feature is activated.

The **Power 7** also sequentially turns on each power extension strip in turn to avoid mains overload.

If the power is interrupted during a charging period, on resumption of power the charging will continue and finish at the set time.

Setting the Power 7

1. Fit the mains plug into a suitable socket and switch the unit on at the socket. The screen will illuminate and display **Day, Time and Date**. (The Day, Time and Date may not be correct at this stage).

2. To set the **Power 7** follow the instructions below:-

Press down on the 3 buttons at the same time and hold for a few seconds until the display shows '**Settings Menu**' wait a few seconds and it will change to '**Set time**' press the + or - button to set the time. (Hold the button down and after 8 seconds the speed of change will increase). The timer is based on the 24 hour clock. When you have set the desired **Time** press the middle button once.

The display now shows '**Set date**' if the date is not correct use the + or - buttons as before to set the date. When you have set the desired date press the middle button once.

The display now shows '**Set day**' if the day is not correct use the + or - buttons as before to set the date. When you have set the desired day press the middle button once.

The display now shows '**Start**', a '**day**' and a '**time**' this refers to the recharging start time use the + or - buttons as before to set the time. The recommended time would be 1am (01:00:00) This is the default setting. When you have set the desired time press the middle button once.

The display now shows '**Duration**', a '**day**' and a '**time**' the time refers to how long the recharging period should last. The recommended time would be 7 hours (07:00:00). This is the default setting. When you have set the desired **time** press the middle button once.

The display now shows '**Start**', the '**next day**' and the '**time**' simply repeat the process for each day until all days have a start time and a duration. (Tip - to save unnecessary recharging set Saturday and Sunday to start time 00:00:00 and Duration to 00:00:00. Pressing the 2 outer buttons together and then releasing will set the display to 00:00:00).

Ensure Monday is set at **Start time** 01:00:00 for a **Duration** of 07:00:00 hours and all laptops will be fully charged ready for the start of the school day. When you have set all the desired times and durations press the middle button once.

The display now shows '**Man charge time**' this refers to **manual charging time**. Set this to 02:00:00. This is the default setting. Most modern laptops will be recharged during this period but it can be changed if required. Should a recharging of the laptops be required during the normal school working hours it can easily be activated. (How to activate will be covered later). When you have set the desired time press the middle button once.

For LapCabby's bought for use in the UK, the display now shows '**Daylight saving on**'. This should always be **On**, to switch off press + or - button. When you have set the desired setting press the middle button once. LapCabby's bought for use outside of the UK, please go straight to the following step.

You have now set the **Power 7** timer unit. The Display should now show the correct **Day, Time and Date**. If you need to reset any feature go back to the start of the instructions and press all 3 buttons together to go back through the Menu System. **You can get out of the Menu System at any time by pressing and holding down the centre button for a few seconds.**

Activating the '**Manual charge time**' can be done any time during normal school hours by simply holding down the 2 outer buttons together for a few seconds. The display will show '**Manual charge**' it will also display the duration time previously set (02:00:00), the time will also count down until the charging duration has ended. When activated you will hear clicks a few seconds apart this is the sequential switching on of the power extension strips as described earlier. The light on each power extension strip will glow red. To stop the Manual Charge at any time press and hold the centre button for a few seconds.

The clicks will also be heard when the unit switches on for the overnight charging and the light on each power extension strip will also glow red. The display will show '**Charging**'.

During the overnight charging period the charging can be paused by pressing the centre button for a few seconds, the display will show '**Pause Charging?**' **Yes, No** press the + or - button to select your choice. If **Yes** is selected the screen will display a '**P**' in the top right hand corner of the display screen. To return to charging press the centre button the display will show '**Enable charge**' use the + or - button to make your selection. If no selection is made after 30 seconds it will return to '**Charging**'.

Auxiliary Power Supply - this is a factory fit option which will power an electrical socket inside the LapCabby. This socket will be powered only when no charging is taking place ie during normal school hours apart from when the '**Manual Charging**' is activated but the power socket will remain powered.

Important Note - during overnight charging the auxiliary socket will be switched off saving energy, electrical items that need to be under constant power should not be connected to this auxiliary socket. The auxiliary socket will become active when the overnight charging period ends.

It should be noted that apart from the '**Pause**' function during overnight charging the timer program cannot be interrupted.

General Safety Precautions

IMPORTANT: 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 power has been disconnected before moving the LapCabby.

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 from the wall outlet before opening the doors or altering the AC adaptor configuration. When the LapCabby is unplugged from the mains 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.

If the supply cord or plug is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Forcing the doors beyond 90° will cause damage to the hinges (excludes the front doors on 16H and 32H units which open to 160°).

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).

Safety Precautions for the Power 7 Timer

Important the total load on any power extension strip must not exceed 8amps and the total load on ALL power extension strips must not exceed 13amps.

Important the total load on any power extension strip must not exceed 8amps and the total load on ALL power extension strips and auxiliary socket when fitted must not exceed 13amps. (Auxiliary socket is a factory fit option)

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 plug 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.

The mains power lead must not be pulled on to move the LapCabby. When moving the LapCabby the mains cable should be stored inside the LapCabby to avoid damage.

WARNING:

The timer complies with the following standards: EN 60730-1: 2000+A12: 2003+A1: 2004+ A13: 2004+A14: 2005+A15: 2007+A16: 2007 and EN 60730-2-1:91 + A1:97 +A12:93 + A11:94 + A13:2003 + A14:2003. The timer is an incorporated control, intended for building into the control cabinet.

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



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

Ambient temperature limits: -10-30°C

Rated contact voltage: 230-240 V

Nature of supply: ~

Rated frequency: 50 Hz

Max. current: 13A : Total load on all Power Extension Strips

8A: Total load on any single Power Extension Strip

Type of load: Resistive load

Rated impulse withstand voltage: 2.5KV

Terminal type and size: Screw terminal on PCB

Type of power connection: Supply cord with UK 3 pin plug

Max. conductor size: 1.5 mm²

The type of power cord / supply cord: H05VV-F

Identification of terminals: 1,2,3,4,5,L,N,E

Number of cycles of automatic: 10000

Circuit disconnection: Electronic disconnection

Insulating materials: PT1175, level 3

Cooling condition: Natural Convection

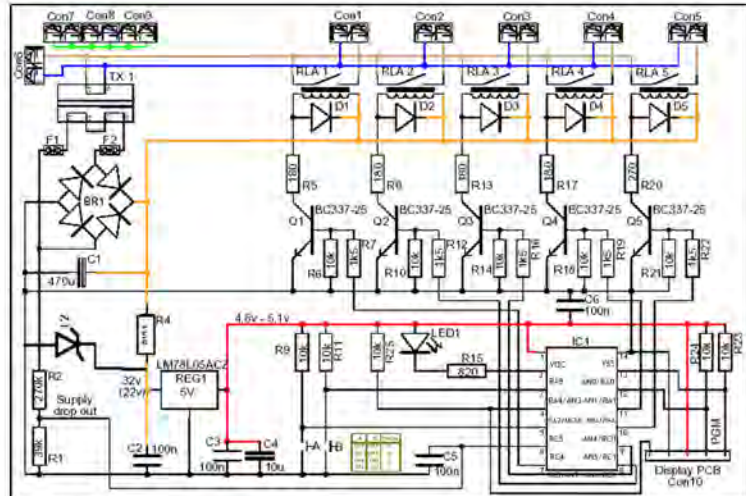
Purpose of control: Incorporated control

Software class: Class A

Method of attachment for non-detachable cords: Type Y

Classification: Type 1

Period of electric stress across insulating parts: Long Period



Important notes

1. Do not erase PIC before programming as this will destroy the oscillator calibration value.
2. Reg 1 must be 36V input type.
3. F1, F2 are fusible resistors 0.5W.
4. Relay coil DC resistance must be >> 1440 ohm.
5. TX 1 is 3.2VA 12-0-12v or 24v.
6. Transistors VCE0=40V, I_{hfe}=150, I_C=100mA P_{hst}=200mW.
7. All resistors are 1% metal film unless stated otherwise.

TERMINAL IN: FOR SUPPLY CORD.

TERMINAL 1-4: FOR LAPTOP COMPUTER CHARGERS

TERMINAL 5: FOR LAPTOP COMPUTER CHARGERS AND PERIPHERAL DEVICES (FACTORY FIT ONLY)

Correct disposal of this product:



This marking indicates that this product should not be disposed with other household wastes throughout the EU. 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.