

>> OPERATING INSTRUCTIONS

COMPONENTS & SPECIFICATIONS



Product name - Hornbill 1224: Mobile Laptop Lab

Model number – Hornbill 1224 BASIC
(24 laptops & chargers)

Standard colours: Black or White - with aluminium frame and orange handles.

Capacity:

- Up to 24 laptops and chargers (max. laptop dimensions L 400mm x D 350mm x H 35mm)
- Space for WiFi adapter unit and cabling.
- Optional: Slide out printer tray for printer of max dimensions H 340mm x W 370mm x D 430mm or 2 units storage boxes of dimensions H 320mm x W 340mm x D 470mm.

Dimensions & Dry Weight:

- L850 x W550 x H1150
- 45kg

Power Supply & Cooling:

- Sufficient plug outlets for 24 chargers plus one WiFi adapter and one fan.

26 outlets are powered by two umbilical cables that plug into two mains supply outlets at the wall.

- Built-in cooling fan, aluminium frame of the trolley also acts as a heat sink.

Security:

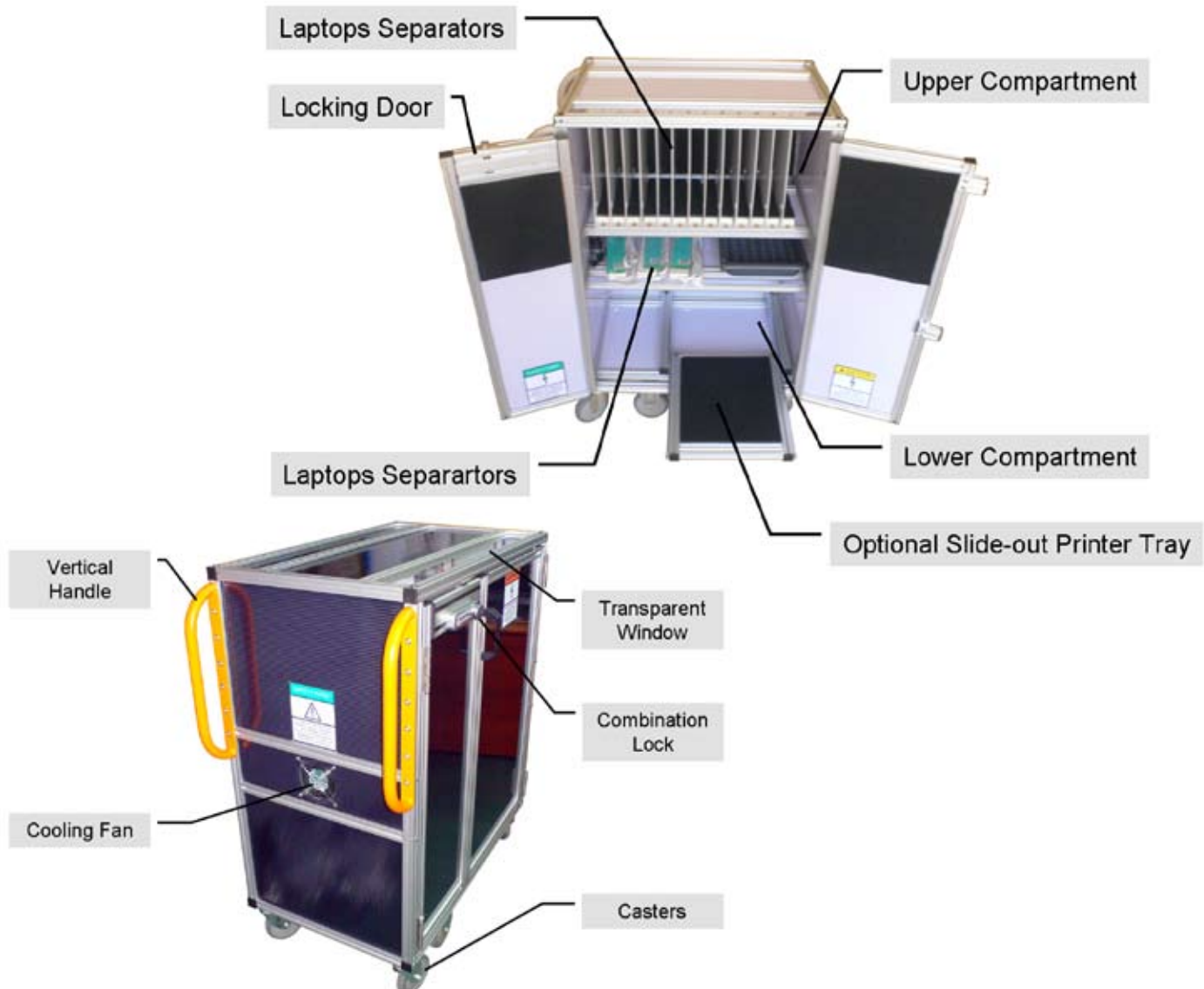
- Aluminium and High Impact polycarbonate enclosure with push-button combination lock.

Mobility:

- Six caster design for friendly handling and maneuverability – 4 swivel (one with brake lever) + 2 fixed caster. One pair of vertical mounted ergonomic handles with high visibility orange finishing.

Miscellaneous:

- Clear Perspex window at top of mobile lab to allow quick monitoring of laptops while charging.



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FIRST TIME SETUP



>> SETUP 1

UNLOCKING THE MOBILE LAB

Punch in the correct code to open the doors. Always start by pressing 'C' to reset the keypad followed by the rest of the code, usually a combination of three digits ending with X, Y or Z, e.g. 'C123X'. Turn the knob to unlock and open the door.



>> SETUP 2

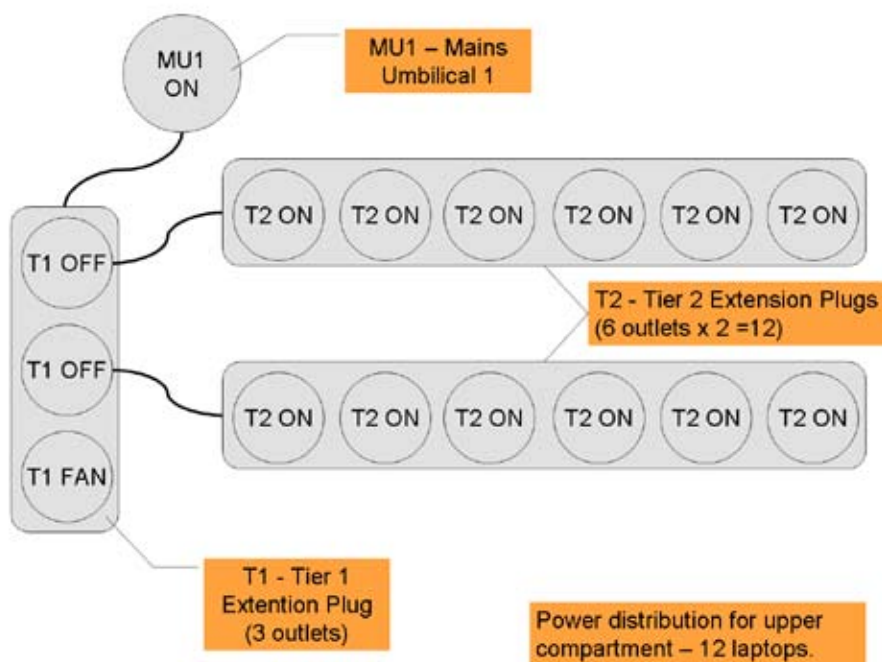
SETTING UP THE CHARGERS

Connect up tow identical sets of extension plugs as seen in diagram 1. T1 = Tier 1 (3 sockets) and T2 = Tier 2 (6 sockets).

Connect a second set for lower compartment. See Diagram 2.

Diagram 1

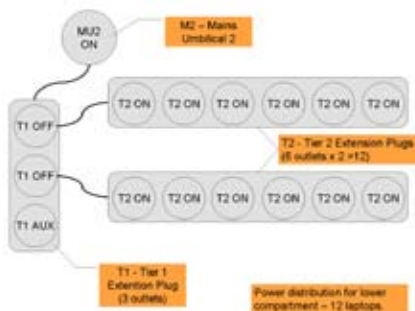
First set for upper compartment



Power distribution for upper compartment – 12 laptops.

Diagram 2

Second set for lower compartment



Power distribution for lower compartment – 12 laptops.

Plug in chargers as shown in Diagram 3 & 4. Arrange extension plugs and chargers in the storage compartment neatly, allowing airflow between chargers.

Plug in the fan cable and optional WiFi unit into the spare T1 AUX sockets.

Please refer to all the warning labels when setting up the Mobile Lab.



Diagram 3

Example Apple Mac Chargers

Diagram 4

Typical PC Laptop Chargers



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SETUP OF CHARGERS & POWER DISTRIBUTION

>> SETUP 4

RECHARGING LAPTOPS



Please follow the correct switching-on/power-up sequence when recharging the laptops.

Caution: If all 24 chargers are switched on at exactly the same time, a high current surge lasting a few milliseconds will occur, in some cases this could trip the ELBC in your room. All 24 laptops can be recharged together but the initial switching-on/power-up of the chargers must be done incrementally - max. 6 at a time with at least one or two seconds delay between each batch. To do this, follow the sequence described below.

Step 1- Plug each charger cable into each laptop. See diagram 5.

Step 2 - Ensure that all switches on the First Tier extension plugs (4 outlets) are in the 'off' position. (See diagram 6.)

Step 3 - Ensure that all the switches on the T2 - Second Tier extension plugs (6 outlets) are in the 'on' position. (These are the ones that the laptop chargers are connected to).

Step 4 - Plug the two umbilical power cables - MU1 & MU2 into two 220V mains supply outlets and switch both on, at the wall.

Step 5 - To begin recharging, switch on each of the four sockets of the T1 - Tier 1 extension plug sockets, one by one and **waiting ONE second between turning each switch on.**

This action should instantly power-up the T2 - Second Tier extension plugs 6 laptops at a time.

Continue to switch on the T1 - Tier 1 sockets until all T2 - Second Tier extension plugs are powering all chargers and all 24 laptops are being recharged.

Finally, switch on the remaining spare sockets - T1 FAN & T1 AUX to power up the fan and the one other optional appliance, e.g. WiFi.



Diagram 5
PC Laptop Chargers

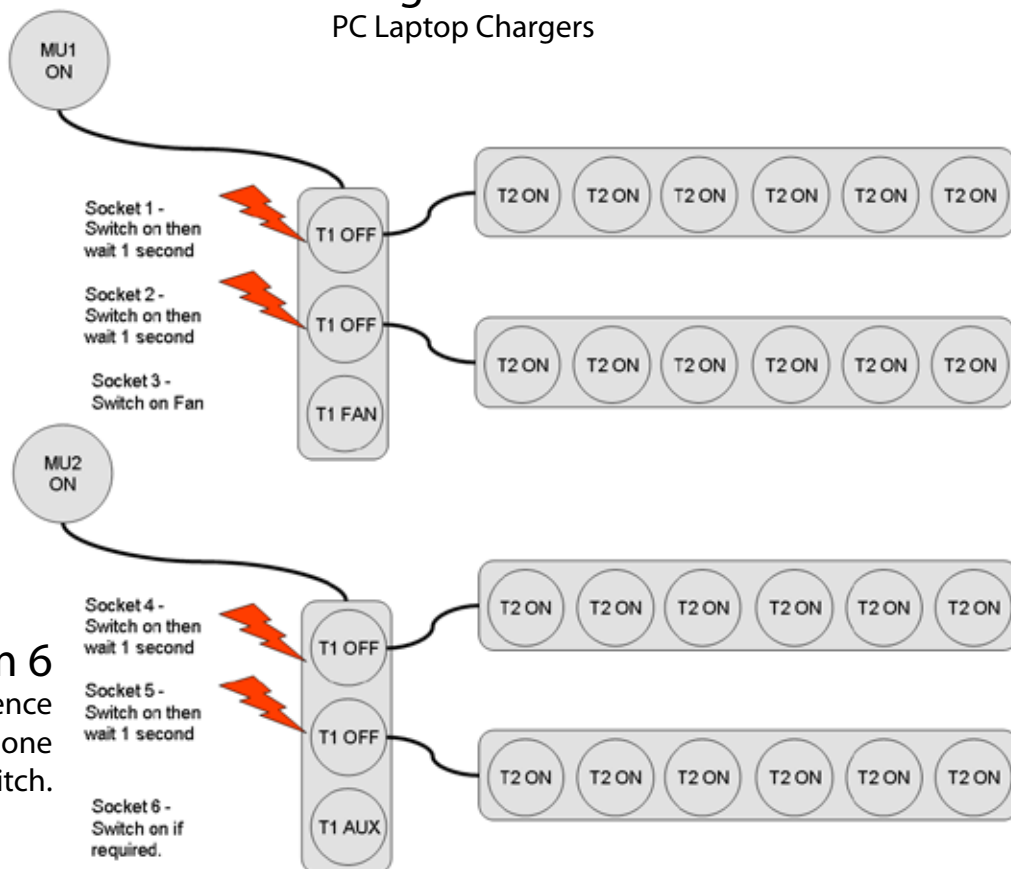


Diagram 6

Recommended powering up sequence
- See red lightning symbols, wait one second between each switch.

Important: Before beginning another recharge cycle, remember to switch off all the T1 - Tier 1 extension plug sockets after charging, and then follow the same power up sequence before the next recharge. Remember to unplug the Mobile Lab before moving it away.

Ensure that the Mobile Lab is placed in a well ventilated and cool environment so that the cooling fan can adequately cool the chargers. Do not store the unit in a small closed area such as a small room or cupboard during recharging, this will cause

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SAFETY



>> SETUP 5 LOCKING THE MOBILE CART

Close right hand side door first, then firmly close left hand door to block opening of the first door, press until lock clicks shut. Check that both doors are secure. Mobile lab can be left on charge whilst doors are closed, as long as the fan is in operation.

>> SAFETY PRECAUTIONS

WARNINGS & CAUTIONS FOR USAGE ENVIRONMENT

Follow advice and directions on all the warning labels displayed on the inside and outside of the Mobile Lab

This equipment houses live electrical appliances and should not be used by minors without adult supervision.

The Hornbill1224BASIC is meant for indoor office use only. Do not operate it outdoors or in a damp or humid environment.

Always operate on a smooth level surface. Always apply the brake when the unit is stationary. Remember to unplug the unit from the wall before pushing away.

To avoid risk of electric shock, regularly check for damaged or exposed wiring and equipment. Replace if any damage is found. Always arrange and secure live wiring to ensure they are kept clear from moving parts such as doors, hinges or sliding trays, which may pinch or tear the electrical insulation.

Do not overload the Mobile Lab with additional items, e.g. placing a printer on top of the cart.

Do not add more laptops than what the cart has been configured for.

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