

Technical Data

Model	IPower Switch 4 LITE No. 32450	IPower Switch 8 LITE No. 32451
Remote Access Port	Ethernet 10Base-T, RJ-45	
Input Voltage IN/OUT	1x IEC-Plug / 4x IEC-Socket	2x IEC-Plug / 8x IEC-Socket
Input	230VAC 2300VA (10A@230V)	230VAC 2x2300VA, 2x(10A@230V)
Output	Max. 8A per outlet, total 10A	Max. 8A per outlet, total 2x10A
Operating temperature	+5°C ... 40°C, for in house use	
Humidity	5 ... 85% rel. H. non condensing	
Measurements (HXWXD), weight	44.5 (1U) x 441 x 63 mm, 1.4kg	44.5 (1U) x 788 x 63 mm, 2.3kg

European EMC Directive 89/336/EEC CE statement

This equipment complies with the requirement for CE mentioned in the European Directive 89/336/EC and Standards EN55022 and EN55024.

FCC Warning

This equipment has been tested and found to comply with the limits for a Class B Digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced technician for help

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.



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LINDY®

COMPUTER CONNECTION TECHNOLOGY

IPower Strip LITE

User Manual

English



(Version 8/2004 Firmware Version 1.18, supplied version may be higher)

Model 1 IN / 4 OUT: LINDY No. 32450
Model 2 IN / 8 OUT: LINDY No. 32451



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Features

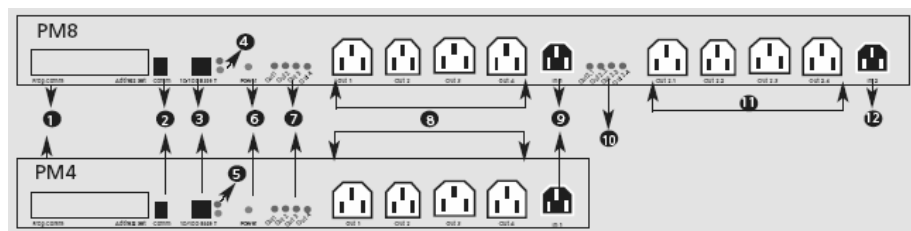
- Remote Access Power Strip with remote management function via IP
- Switch one or all outlets using HTML commands or via a web browser
- Supports 4 or 8 users + 1 administrator; users have individual access rights
- Easy to use browser interface permanently shows the outlet status, and allows easy switching
- Supports a switch cycle with a user definable time interval - from 1 sec to 10 hours
- Automatic logout after user definable time interval - from 20 sec to 1 hour

Packing List (8 Port Model in brackets)

- 1 x Power Strip + User Manuals + CD
- 4(8) x mains cables, OUTPUT IEC-320 male – IEC-320 female approx. 1.8m
- 1(2) x mains cables, INPUT Schuko male – IEC-320 female approx. 1.8m
- 1 x Serial RS-232 cable, RJ-10 to D9-female, approx. 2m

Installation

The 4 port power strip is rack mountable in a 19", 1U bay. The 8 port model can be mounted vertically. The brackets can be adjusted to almost any position for maximum flexibility when installing.



Components and Elements

- 1 Programming block (covered by protective plate)
- 2 Serial RJ-10 socket for terminal program access (initial setup)
- 3 Ethernet RJ-45 socket
- 4 Link / Activity LED
- 5 Link / Activity LED
- 6 Status LED for INPUT voltage 1
- 7 Status LED's for OUTPUT voltage 1-4
- 8 Outlets 1-4 (230V AC)
- 9 INPUT 1 (230V AC)

8 port model only (No. 32451):

- 10 Status LED f for INPUT voltage 2.1-2.4
- 11 Outlets 2.1-2.4 (230V AC)
- 12 INPUT 2 (230V AC)

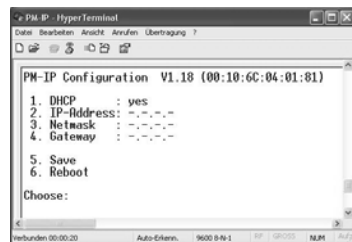
Initial Setup

Network Address (Release 8/2004 V1.18)

The power strip comes with the DHCP setting enabled as default. To use the power strip in non DHCP networks the IP address must be set manually, via an RS-232 serial connection to a computer running a terminal program. The IP address is required to identify the power strip on your LAN.

Note: The terminal program must be configured with the following settings:

Baud rate: 9600, Stop bits: 1, Parity: none; Handshake: off.



- a) Use the supplied serial RS-232 cable (D9-f to RJ-10) to connect the computer to the power strip. Launch the terminal program. After pressing Return, the input menu opens up.
- b) To change from DHCP to fixed IP mode, select (1) **DHCP**. The menu will show the information "DHCP: n".
- c) Now edit the IP-Number, the Netmask and the Default Gateway settings. (Ask your network administrator for the correct settings).
- d) When you have edited all settings select (5) **Save**. To make the new settings effective select (6) **Reboot**. After you have rebooted the power strip, it will only be available using the new network settings - the current terminal window will not respond!

Connection to the mains power

The power strip is powered by **INPUT 1 (9)**. Attach the supplied power cable to **INPUT 1**, and then to the mains. The correct power status is displayed by the **INPUT STATUS LED (6)**. The **OUTPUT STATUS LED's (7)** will immediately show the status of **OUTLETS 1-4 (8)**. For the 8 port model, the **OUTLETS 2.1-2.4 (10)** are powered by **INPUT 2**. This provides support for devices with redundant power supplies, powered from different AC phases.

Usage (Release 8/2004 V1.18)

The power strip includes a web server which is available via IP access, using a web browser on your network. Type the IP address in your web browser window and the power strip will display the login screen.

The first time you access the power strip you must log in as admin - **Username: admin, Password: admin**



The power strip displays a graphical user interface where the single outlets can be switched. Further settings can be made via the top menu list: **Outlets, Network*, User*, Update*, Logout** (* only available for admin).



The power status of each outlet is displayed graphically via illuminated LED's next to each socket (red=ON, dark=OFF). You can select the switch buttons, which also display the action to be taken. The name and duration time can be changed by editing the values. When selecting the buttons "All" or "Off", the outlets will be switched accordingly.



The power strip web server provides for up to 4 or 8 users, each with individual access rights and passwords. The administrator can edit users via the top menu item "User". The box "Select User" allows one of the available preset users to be selected. Names and passwords can be edited here, and access rights to each outlet can be set by clicking "Allowed Outlets". To make changes effective the "submit" button has to be clicked – the power strip will reboot. Now when a user accesses the power strip he can only access and change values of the sockets for which he is permitted.

The administrator can change the IP settings via the menu item - "Network". To make the new settings effective click the "Reboot" button. When you have rebooted the power strip it will only be available using the new network settings. The administrator can edit the default logout time (60 sec.) to any value from 20 sec to 1 hour.

The power strip also can be switched via HTML commands (httpget)

Please see the following syntax examples:

http://ip/switch?u=user&p=passwd&o=n&f=func
http://ip/switch?s=0 (display status)

The following parameters can be used - **ip:** ipaddress // **user:** username // **passwd:** password // **n:** outlet number to switch // **func:** on or off or pulse or toggle*.

*Toggle is delayed switching (not available from the browser menu) while pulse is a single switch cycle

