CONNECTION PERFECTION

IPower Control IEC

User Guide *English*

LINDY No. 32414

www.lindy.com

1. CONNECTION

Connect the **IPower Control** unit to the mains and to your Ethernet network. When the **IPower Control** is connected to an electrical circuit the LED at the front will illuminate red. When connected to an active Ethernet network, the green LED on the LAN port will illuminate.

An IP address must be allocated to the **IPower Control** in order for it to switch via Ethernet. The IP address must belong to the desired sub network. The allocation can be accomplished either manually or automatically by a DHCP server *(see 2.1 below).* For manual allocation under Windows, we recommend the program **EPCnet_conf.exe**[*1] *(see 2.2).*

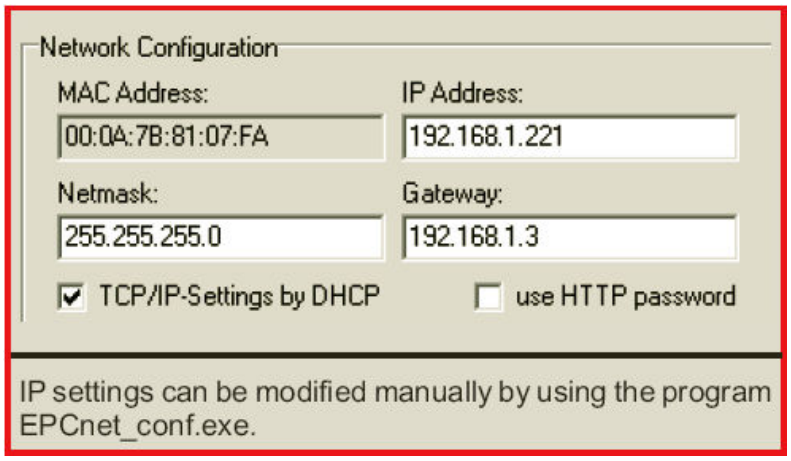
After modifying the IP settings the **IPower Control** can be switched by all PCs on the same network via the website of the **IPower Control**.

2. IP SETTINGS

2.1 Allocation by DHCP

If there is a DHCP server available on the network, an unused IP address will be allocated automatically each time the **IPower Control** is connected. This option can be disabled *(see section 4)* or modified by appropriate configuration of the DHCP server.

2.2 Allocation via software[*1] *(Windows only)*



Start the IPower Control in boot mode *(see section 5)* and launch the **EPCnet_conf.exe** program. The program will automatically search for connected devices and display their IP settings.

If the displayed IP address matches the default setting (192.168.0.2) there is either no DHCP server available or no unused IP address could be allocated.

Enter an unused IP address and the gateway of the desired sub network. Save changes with **Program Device/SaveConfig**.

After changing the network settings the **IPower Control** must be restarted[*2] in normal mode *(see section 5).* After restarting click on **Search** in order to display the modified settings.

*1 Available from our website www.lindy.com
*2 Restart means unplug and then re-plug the **IPower Control** to the mains.

3. SWITCHING VIA ETHERNET

Login to the website of the **IPower Control**, http:// ***"IP Address of IPower Control"*** (e.g. 192.168.0.2). You may need to enter a password *(see section 3)*. Now the **IPower Control** can be switched.

Via the website http://"IP address of EPC NET"/ (e.g. http://192.168.1.230/) EPC NET can be switched.

The following options are available:

Config
The settings of the **IPower Control** are configured here *(see section 4)*

Reset
Independently of the current switching state, the **IPower Control** can be switched off (i.e. the connected device will be turned off) for a selectable delay period (5 – 30 seconds).

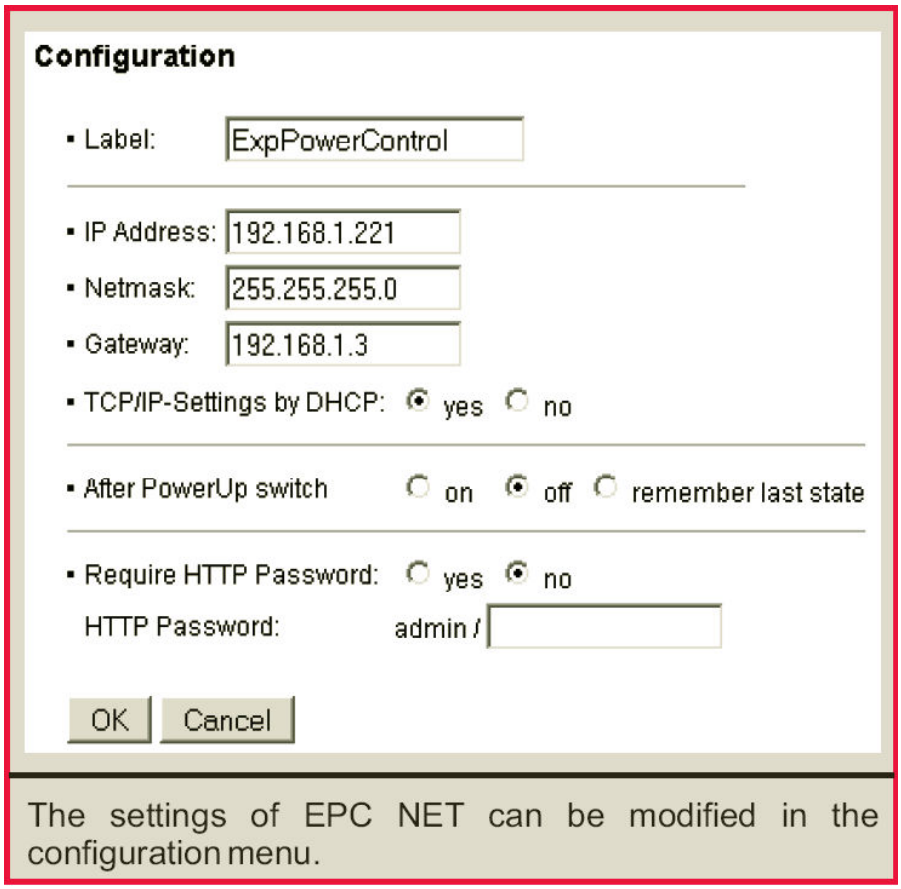
After the chosen delay, the **IPower Control** will be switched on again automatically (i.e. the connected device will be turned on again).

Logout
Only one user can be logged in at a time. After three minutes inactivity, there will be an automatic logout.

4. CONFIGURATION

Via the website of the **IPower Control**, you can access the configuration menu.

Modifications to name and password will be applied immediately. To apply modifications to other settings, the **IPower Control** must be restarted.



The settings of EPC NET can be modified in the configuration menu.

Label
A name with a maximum of 15 characters can be entered here.

IP Settings
The IP Settings of the **IPower Control** can be modified here.

TCP/IP Settings by DHCP
Each time the **IPower Control** is restarted it will check if a DHCP server is available on the network. If a DHCP server is detected the IP settings will be requested and saved. If there is no DHCP server available we recommend you disable this option.

After Power Up switch
The switching state of the **IPower Control** after a restart can be defined here ***(on, off, last state)***

Password
A password with a maximum of 15 characters can be allocated here. The user name for the password is “admin”.

5. OTHER

The **IPower Control** can be started in two ways:

Boot Mode
To start the **IPower Control** in boot mode, the button at the front must be pushed for at least two seconds when restarting the unit. While **IPower Control** is in boot mode the LED at the front blinks red.

Using the **EPCnet_conf.exe** program it is possible to disable password protection, to upgrade the firmware and to restore the default settings.

When the **IPower Control** is in boot mode the port is not switched. It is not possible to reset or change the switching state of a port.

Normal mode
After a restart the **IPower Control** is in normal mode automatically. In normal mode the port can be switched and the settings of the **IPower Control** can be modified.

6. CHANGING SWITCHING STATE

A device which is connected to the **IPower Control** can be turned off and on again by using the reset function *(see section 3).*

The current switching state of the **IPower Control** can be changed by pushing the button at the front or rear for at least 3 seconds.

7. FIRMWARE UPGRADE

In order to upgrade the firmware both the **EPCnet_conf.exe** program and the latest firmware (available from www.lindy.com) are needed.

Start the **IPower Control** in boot mode *(see section 5)* and launch **EPCnet_conf.exe**. On the left hand side of the program window all **IPower Control** units which are on the network are listed. Select the one which is to be upgraded and click on **Program Device/Firmware upgrade**.

8. DEFAULT SETTINGS

In order to restore the default settings the **IPower Control** must be started in boot mode *(see section 5).* Launch **EPCnet_conf.exe**.

After the program has opened, all **IPower Control** units which are on the network will be listed on the left hand side of the program window. Select the one for which the setting should be restored and click on **Program Device/Format Eeprom**.

Please note that all current settings will be deleted. When the **IPower Control** is restarted the default settings will be loaded.

Default settings

Name:	ExpPowerControl
IP address:	192.168.0.2
Netmask:	255.255.255.0
Gateway:	192.168.0.0
DHCP:	enabled
Password:	disabled
After restart:	switched off

After the default settings have been restored the **IPower Control** must be set up again (*section 1).*

LEDs

The LEDs on the **IPower Control** relate to the switching states of the port as follows:

(Red) The **IPower Control** is connected to an electric circuit and is switched off

(Green) The **IPower Control** is connected to the mains and is switched on.

(Off) The **IPower Control** is not connected to an electrical circuit

If the LED blinks red, the **IPower Control** is in boot mode (see section 5)

9. TECHNICAL DATA

Network Connection:	10Mbit 10Base-T Ethernet
Network protocol:	TCP/IP
Switched power:	Max. 2000W
Switched voltage:	230V
Operating temperature:	$0^{o}C$ – $50^{o}C$
Dimensions (WxDxH):	63 x 12 x 64mm

Note: The IPower Control was developed for use with IT devices. Using the IPower Control with devices which have a high initial current surge (like halogen lamps) is not recommended.

10. FAQs

Connection

The IPower Control is connected to a network but...

> ***...the LEDs do not illuminate***
> Please check the connection to the electrical circuit
>
> ***...the green LED at the LAN socket does not illuminate***
> Please check the network connection
>
> ***...I can't open the website***
> Please ensure that both the **IPower Control** and your PC are on the same sub network

Where can I find the IP settings of my sub network?
Open an MS-DOS command prompt and enter the command: **ipconfig/all**

How can I check if the IPower Control is connected properly?
Launch **EPCnet_conf.exe** and click on **Search**. If the **IPower Control** is connected properly it will be displayed in the left part of the program window.

Switching

I can't log in to the IPower Control's website
If the message **"Access denied. Used by…"** is displayed, there is another user logged in at the moment.

Alternatively, check the network connection (the green LED at the LAN socket must be lit) and ensure that both the **IPower Control** and your PC are on the same sub network.

I forgot my password
Restart the **IPower Control** in boot mode and launch **EPCnet_conf.exe**. Disable the password protection and restart the **IPower Control** in normal mode.

The switching state doesn't change when pushing the button
Restart the **IPower Control** in normal mode.

EPCnet_conf.exe program

The IPower Control is not found by the program
Check the connections to the electrical circuit (the LEDs at the front must glow green or red) and the network (LED at the LAN must light up green).

CE/FCC & Recycling Information

CE Certification

This equipment complies with the requirements relating to Electromagnetic Compatibility Standards EN55022/EN55024 and the further Standards cited therein.

FCC Certification

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.
You are cautioned that changes or modification not expressly approved by the party responsible for compliance could void your authority to operate the equipment.
This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

WEEE (Waste of Electrical and Electronic Equipment), Recycling of Electronic Products

In 2006 the European Union introduced regulations (WEEE) for the collection and recycling of all waste electrical and electronic equipment. It is no longer allowable to simply throw away electrical and electronic equipment. Instead, these products must enter the recycling process.
Each individual EU member state has implemented the WEEE regulations into national law in slightly different ways. Please follow your national law when you want to dispose of any electrical or electronic products. More details can be obtained from your national WEEE recycling agency.

CONNECTED BY LINDY®

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