TECHNICAL DESCRIPTION

This module allows you to communicate with your Luxom system over a TCP/IP network.

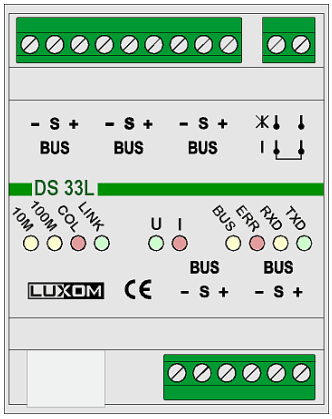
This enables all Luxom modules to be configured or controlled via any LAN or WLAN connection.

Benefits :

- An even greater flexibility because an existing IP infrastructure can be used.
- Uses the international IP standard protocol.
- Wireless communication with the Luxom system via WLAN.

This module has configurable 'TCP/IP address', 'Default Gateway' and 'Portnumber' settings.

The DS01P module is no longer necessary in new installations thanks to the built-in active termination unit.
A wired bridge is required (on the 'I' connector) to activate the internal termination.
Your Luxom Bus is operational and ready to communicate via IP as soon as 24VDC is connected to this Ethernet Gateway.



TECHNICAL DATA

Product ID	-
BUS	Luxom 3-wire free topology network
Communication	CSMA/CA
Power supply	24 VDC
Power consumption	1.9 VA
Installation	DIN-rail
Number of bus connections	5
Screw connectors BUS	2.5 mm²
Connector Ethernet	RJ45 10/100 Base-T
Hardware protocols	TCP, IP, ARP, UDP, ICMP, MAC
Aktive bustermination	Yes
User ID - password	No
Static IP address	Yes
Dynamic IP address	No
Warranty	3 years on exchange
Ambient temperature	0 - 50° C
Protection	IP 20
Dimensions LxWxH	72 x 90 x 62 mm
Number of DIN-rail modules 18 mm	4

CONTROL LEDs

I	Bus current (extinguishes with short circuit between S and – bus wire)
U	Bus tension (extinguishes with short circuit between + and – bus wire)
10M	Lights up when communicating over a 10MBit IP network
100M	Lights up when communicating over a 100MBit IP network
COL	Collisions on the IP network
LINK	Lights up when the gateway is connected to an IP network
BUS	Status of the S bus wire
ERR	Blinks when communicating. Stays lit in case of error
RxD	Lights up when sending data to the Luxom Bus
TxD	Lights up when receiving data from the Luxom Bus

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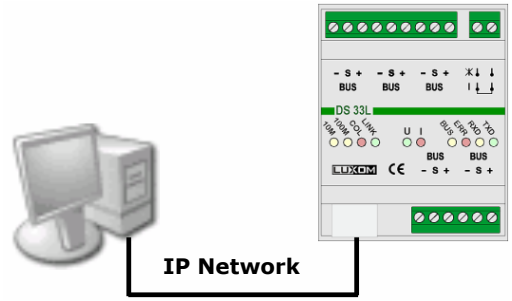
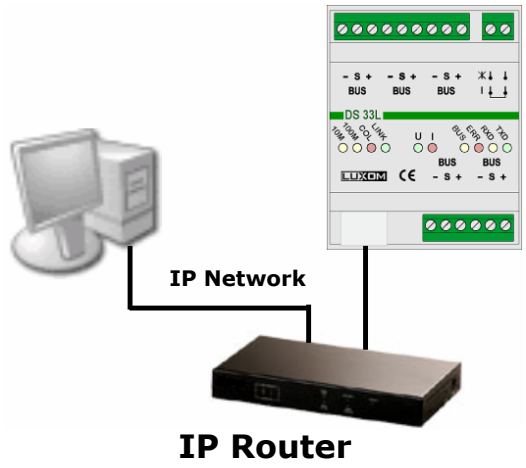
LOCAL COMMUNICATION



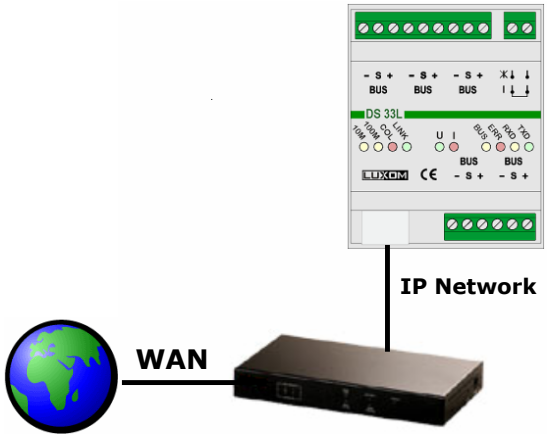
When connecting your computer directly to the Luxom Ethernet Gateway, please use a standard RJ45 patch-cable.



When using an old generation Router or Hub, please use crossed patch-cable.
More recent routers will adjust automatically.

Note : The 'link' indicator LED should light up when the module is connected to the router. If this is not the case, please use a 'crossed' patch cable.

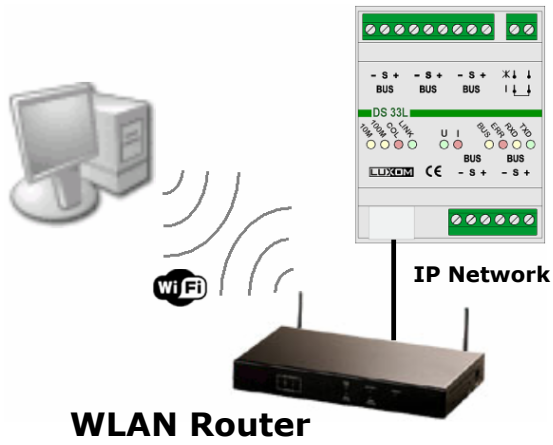
CONNECTION VIA CABLE- or DSL MODEM



You need to know the cable/DSL modem's IP address to be able to communicate with a Luxom network from the internet.
A standard internet provider's account does not usually provide you with a fixed IP Address. This means you will have to use extra tools to connect to your Luxom environment.
For more information please contact your Luxom specialist.

In this picture an IP router with built-in modem is used. This is not necessary, and can be two separate devices.

WIRELESS CONNECTION (WIFI)



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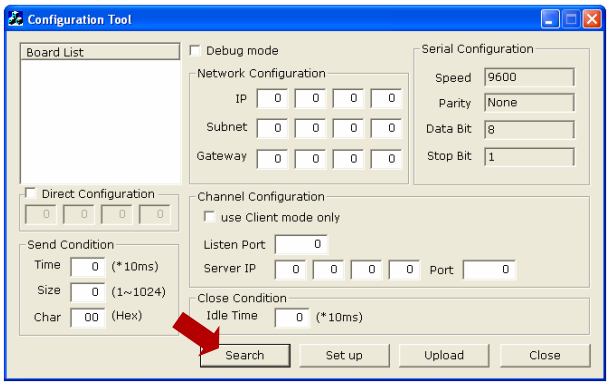
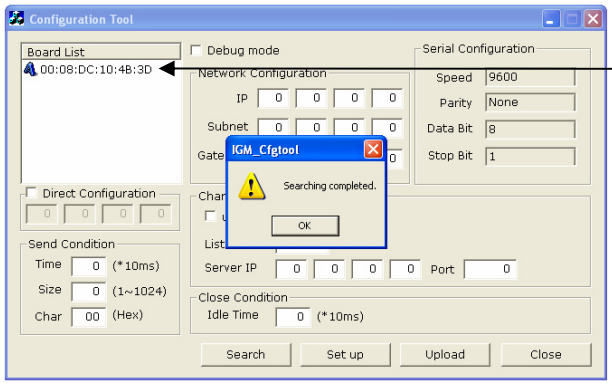
HOW TO CHANGE THE IP SETTINGS WITHIN THE MODULE

You can change the IP settings in 4 steps by using the 'DS33L_IPconfig.exe' program:

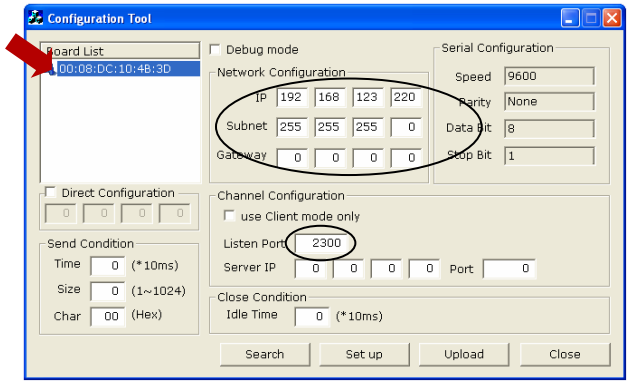
1. Get to this screen by starting the tool:



2. Click on the 'Search' button to make the MAC address of the found module appear:



3. Click on this MAC address to see the IP settings of the module:

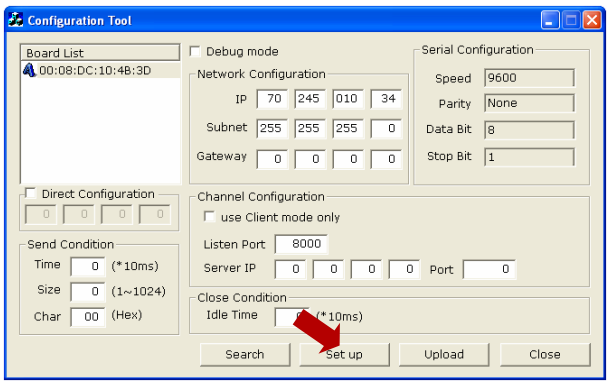


Factory setting of this module :

IP : 192.168.123.220
Subnet : 255.255.255.0
Gateway : 0.0.0.0
Port : 2300

Note: The last two digits of the MAC address are written on the side of the module housing

4. Change these settings where appropriate and click on 'Set up' to send these parameters to the module:



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