



# IDS Lift-Net Tech Support

## Program the LN\_Link(x) serial server

Use a laptop computer and B&B Vlinx software.

1. Connect the LN\_Link serial server to a 12VDC power source.
2. Connect an Ethernet crossover patch cable from the laptop to the Ethernet jack on the LN\_Link serial server.
3. Run the B&B Vlinx ESP Manager.
4. Click on “Searching Server”.
5. Click on “Search all reachable servers”. Click “OK”
6. When one or more servers are found double click on the server name to edit the parameters.
  - If no servers are found, type in the address of the server you wish to connect with.
  - If no servers are found, it is sometimes necessary to make the IP Address of the laptop similar to the LN\_Link server IP Address
  - If no servers are found, Use the “TELNET” command in a DOS window.
  - If no servers are found, Use your web browser such as Internet Explorer and type in the IP Address
7. Edit the server name. (assign bldg. or group name)
8. Enter password. (optional)
9. DHCP set to “Disable”
10. Edit the IP Address to the address assigned by the IT Dept.
11. Edit the Subnet Mask to the address assigned by the IT Dept. If the Subnet Mask is unknown try 255.255.255.0 or 255.255.0.0
12. Edit the Gateway to the address assigned by the IT Dept. If the Gateway address is unknown try changing the last set of numbers to 1. (example, if IP address is 199.222.124.100, the last set of numbers (which in the example is 100) would be changed to 1 for the Gateway address.
13. If programming an LN\_Link 2 or LN\_Link 4 select a serial port to edit.
14. Edit the serial port settings.

Please Note: The Serial Port Mode, Baud Rate and Parity may be different per controller manufacturer and model, refer to the following table (lp1).



# IDS Lift-Net Tech Support

Program the LN\_Link(x) serial server (cont'd)

(table lp1)

Elevator Controller	Serial Port Mode	Baud Rate	Data/Stop bits	Parity
<b>CEC/Swift 5000</b>	RS-232 <small>note 1</small>	9600	8-1	NONE
<b>CEC/Swift Futura</b>	RS-232 <small>note 1</small>	19200	8-1	NONE
<b>ELEVATOR CONTROLS (all)</b>	RS-232 <small>note 1</small>	19200	8-1	NONE
<b>FUJITEC</b>	RS-422	19200	8-1	NONE
<b>GAL Galaxy</b>	RS-232 <small>note 1</small>	19200	8-1	NONE
<b>LIFT-NET Hardware panels</b>	RS-485	19200	8-1	NONE
<b>MCE (all except "i")</b>	RS-232 <small>note 1</small>	19200	8-1	NONE
<b>MIPROM 1</b>	RS-232 <small>note 1</small>	9600	8-1	NONE
<b>MIPROM 21</b>	RS-422	9600	8-1	NONE
<b>OTIS (211- 411, 335)</b>	RS-422	19200	8-1	NONE
<b>KONE S controller</b>	RS-232 <small>note 1</small>	9600	8-1	NONE
<b>KONE ECO3000</b>	RS-232 <small>note 1</small>	9600	8-1	NONE
<b>SCHINDLER 9300</b>	RS-485	19200	8-1	NONE
<b>TKE (TAC20, TAC50, T-4)</b>	RS-232 <small>note 1</small>	9600	8-1	NONE

NOTE 1: All serial port mode settings listed in the table (lp1) are what is output from the elevator controller. RS-232 networks can be converted to RS-422/485 to overcome 15 meter distance limitation.

The following is a list of default settings for the remaining parameters.

- 15. Flow control set to "NONE".
- 16. Protocol set to "TCP".
- 17. Serial Timeout set to "0".
- 18. TCP alive timeout set to "0".
- 19. Connection mode set to "SERVER"
- 20. Delimiter Hex 1 set to "00".



# IDS Lift-Net Tech Support

Program the LN\_Link(x) serial server (cont'd)

21. Delimiter Hex 2 set "00".
22. Force Transmit set to "0"
23. TCP/UDP port
  - LN\_Link 1 port 1 set to "4000"
  - 
  - LN\_Link 2 port 1 set to "4000"
  - LN\_Link 2 port 2 set to "4001"
  - 
  - LN\_Link 4 port 1 set to "4000"
  - LN\_Link 4 port 2 set to "4001"
  - LN\_Link 4 port 3 set to "4002"
  - LN\_Link 4 port 4 set to "4003"
24. Maximum connection set to "1".
25. Remote IP Address set to "255.255.255.255".
26. Click on "Update". Note: When programming LN\_Link 2 or LN\_Link 4, serial properties must be updated for each serial port.
27. When asked to Restart the device, click on "Yes"
28. Search all reachable servers again and check that all changes were successful.
29. Exit the ESP manager.
30. Remove the crossover patch cable, and connect the LN\_Link to the building network.
31. Cycle the power to the LN\_Link.
32. The LED indicators should illuminate as follows:
  - POWER light is steady red
  - LINK light confirms a network connection, yellow indicates 10 Base-T, or green indicating 100 Base T. Lift-Net will run at either bandwidth. An occasional flicker of the link light is ok this indicates traffic on the network.
  - READY light is flashing green.