



CDVI

LT-USB485
Link.net USB to RS485

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GENERAL

When using the direct USB to RS485 (LT-USB485) interface lead it is possible to connect from a spare USB port to the Link.net controller network (non IP versions) directly without the need of any other interfaces or conversions leads. If you are using Link.net V4.49 or later then the software driver for the LT-USB485 interface lead has already been installed for you. If you are using a previous version of Link.net then please run the driver application FTDi2.02.XX.exe. The driver can be found on the Link.net CD or alternatively please visit our UK website to download this at www.cdvi.co.uk. The driver will automatically install after running this small application driver. This may take several moments and will prompt you when complete. You can then connect the LT-USB485 lead to your PC. Your PC's operating system will detect the insertion of the lead and report this as a USB Serial Device or similar if all is well. The Link.net V4.49 or later software supports the USB serial protocol automatically detecting the USB socket where you connect this interface lead. In this case you can now run the Link.net application directly.

CONNECTIONS

The LT-USB485 Direct Lead has a USB connector type A on one end for connection to a spare USB port on your PC workstation. On the other end is a 5-wire terminal connection for terminating directly to the first Link.net controller on the network. All 5 terminations are made to the daisy chained Link.net bus connection on the main controller PCB and are connected in a straight through basis throughout the controller network. Cable type is CAT5 UTP or screened Belden 8723/9502. At the end of the Link.net network (furthest point), you must insert a 120 ohm resistor (supplied) across TX+ & TX- and another across RX+ & RX- for correct network line termination.

<i>LT-USB485 Direct</i>	<i>LT-20 Access Controller</i>
TX+	TX+
TX-	TX-
RX+	RX+
RX-	RX-
GND	GND, 0V or CMN *

* Depending on the version of controller you may have, the connector may or may not have a GND screw terminal. If it does not, then please terminate at 0V of the internal power source of the controller or in one of the common (CMN) terminals.

TECHNICAL SPECIFICATION

<i>Description</i>	<i>Value</i>	<i>Unit</i>	<i>Notes</i>
Input Voltage	5	Volts	PC interface powered
Input Current	100	mAmps	Active
PC to USB A Distance	5	Metres	Maximum
5-Way Terminal Distance	1.2	KM	Maximum
Warranty	24	Months	Return to manufacturer warranty
Compliance			CE, ROHS & WEEE

Please consult the main Link.net manual for more complete and detailed information for the associated interconnects. Please note all software and supplementary manuals are available at www.cdvi.co.uk



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