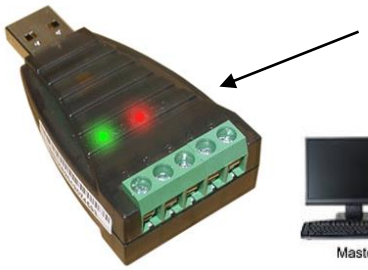
Objective

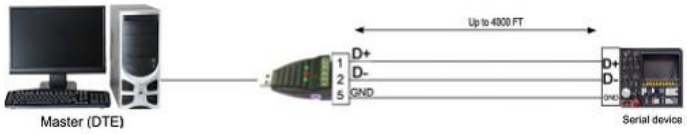
AC10 connection via RS485

Equipment needed

AC10 drive, RS485 Converter, DSE LITE (version 3.07 or greater)



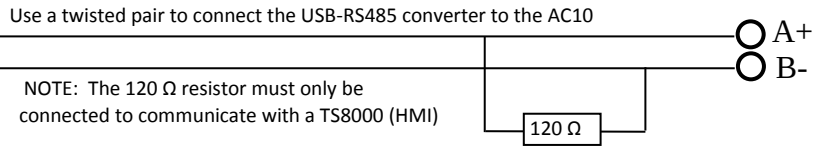
NOTE: Recommended **US Converters** USB – RS485 Converter Part Number **XS885**
(Available from: www.usconverters.com)



Procedure

1) Connect RS485 Converter (minimal connection)

RS485	TERM
D+	1
D-	2
	3
	4
GND	5



2) Set up the drive COM Port:

F900 – Communications Address – 1 (Default setting) **must be address 1**

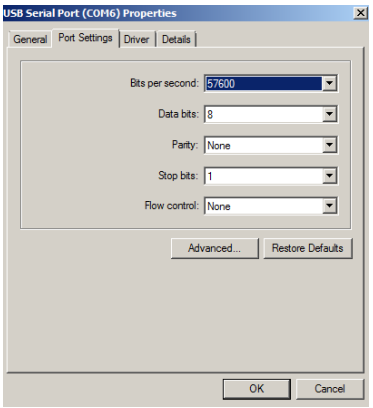
F901 – Communications mode – 2 (Modbus RTU – Default)

F903 – Parity Check – 0 (NONE – Default) **must be NONE**

F904 – Baud Rate – 3 or 6 (3 = 9600 / 6 = 57600)

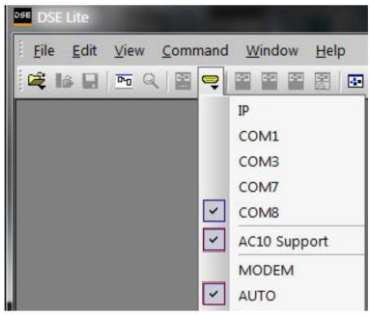
Parameter	Description	Setting Range	Default
F900	Communication Address	0: Broadcast Address 1-255: Single Inverter Address	1
F901	Communication Mode	1: ASCII 2: RTU	2
F902	*Stop Bits	0: None 1: 1 Stop Bit 2: 2 Stop Bits	2
F903	Parity Check	0: Invalid 1: Odd 2: Even	0
F904	Baud Rate (bps) 9600 is recommended	0: 1200 1: 2400 2: 4800 3: 9600 4: 19200 5: 38400 6: 57600	3
F905	Communication Time Out	0 - 3000	0

*In IP66 version, F902 is RESERVED



If you have questions, please call the Product Support Group at (704) 588-3246.

3) Setup Computer COM Port:



Determine the COM port being used by the PC

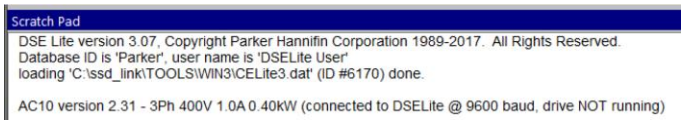
Launch DSE Lite and go to the COM port Icon

Make certain the AC10 Support is selected

Make certain the Baud is set to AUTO

Make certain the correct COM port is selected

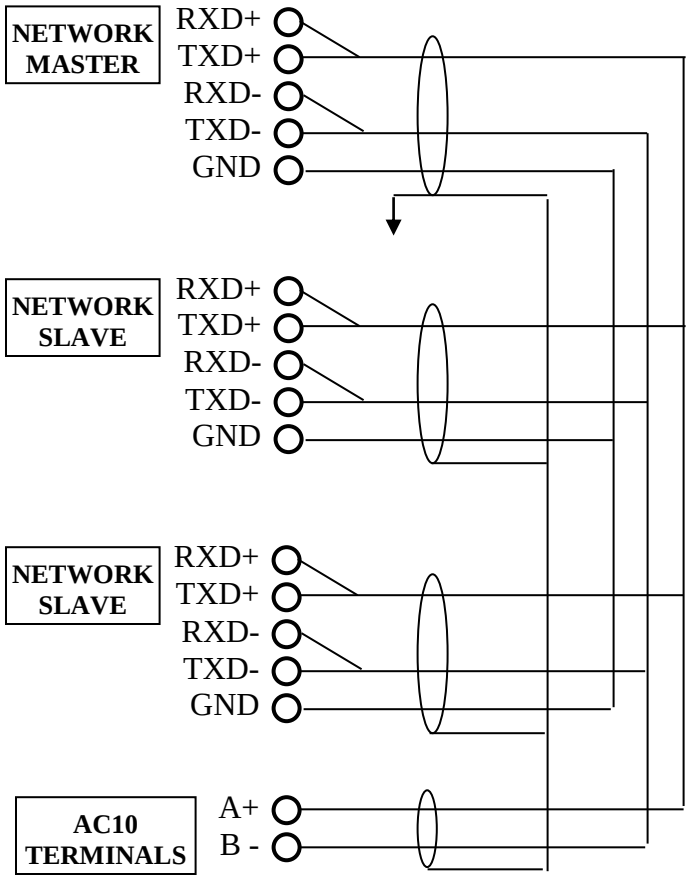
If communication has been established, the scratchpad will display



Other Comments:

- When using DSELite and a parameter is changed while in the **On Line Mode**, the parameter will automatically be saved.
- If you want a list of the Modbus Registers do a **File / Document** and at the end of the document there will be **Parameters by Register (Modbus)**

Network Connection (2-wire)



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