

Make a serial communication cable from a Device Server to PC

Abstract: The information in this document was created by SIXNET. It details wiring of an RJ45-DB9F-ADAPT (unwired RJ45F to DB9F adapter) for use in communication between a SIXNET Device Server and a PC.

Hardware used:

- Desktop PC
- (1) ET-DS-1 or ET-SDS-1 – EtherTRAK Device Server
- (1) Straight thru CAT5 (or better) Ethernet Cable
- (1) RJ45-DB9F-ADAPT adapter available from SIXNET (unwired)

Wiring Procedure:

- **Connecting the wires to the unwired RJ45 to DB9F adapter**

Take the loose wires with copper ends coming out from the main plastic RJ45 housing, and push them in to the back of the DB9 connector until they lock in. Use the diagrams below for the correct pin-out.

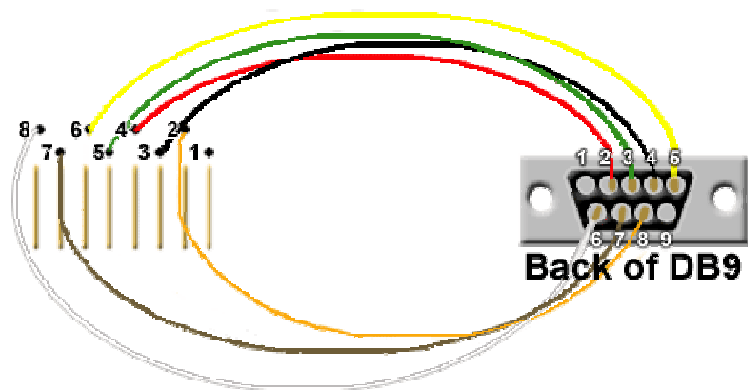
- **Connect the Device Server to a PC**

Connect a straight through Cat5 (or better) Ethernet cable into the serial port of the Device Server, and plug the other end of that cable into the RJ45 to DB9F adapter. Plug the RJ45-DB9F-ADAPT into the DB9 male serial port on a PC.

Front of RJ45 Connector

RJ45 to DB9 Female Pinout to connect ET-DS-1 to a PC (see user manual for more detailed pinout)			
#	RJ45		# DB9F
1	DCD		NC
2	RTS	→	8 CTS
3	DSR	←	4 DTR
4	TxD	→	2 RxD
5	RxD	←	3 TxD
6	GND	—	5 GND
7	CTS	←	7 RTS
8	DTR	→	6 DSR

Back of RJ45 Connector



Colors may not match in adapter