

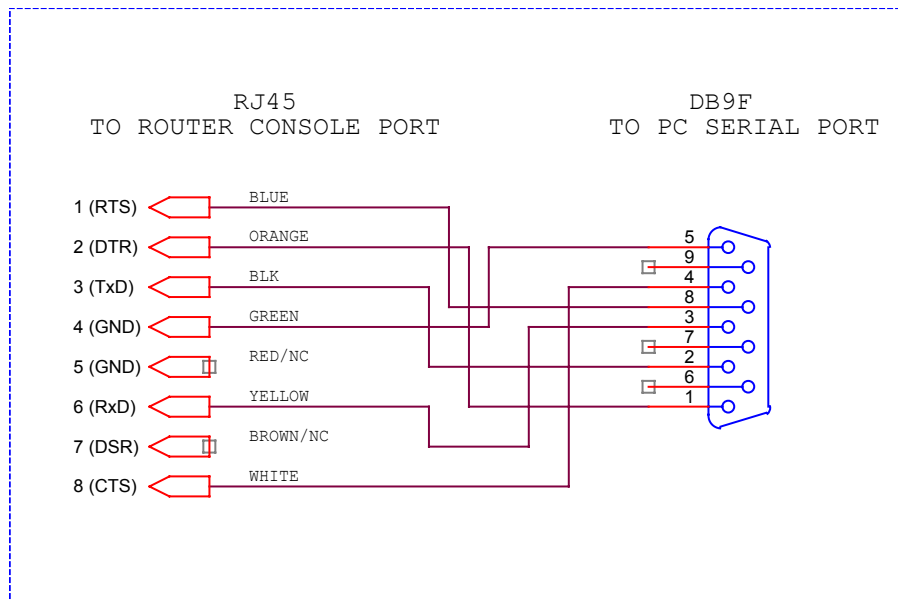
## Constructing Your Own RJ45 to DB9 Adapter for Cisco Console Port Application

In order to perform initial configuration and password recovery on a Cisco router or switch, you need to access the device directly through its console port. The console port is an RS232 DTE interface with a rather bizarre connector, an RJ45 instead of the usual DB9 or DB25. To connect this to a PC or terminal, you need an adapter.

Table 1 shows the signal configuration of the adapter, and Figure 1 shows how it's wired schematically. You can buy a generic kit to build the adapter for around \$3.00 at most computer stores. Use a **straight** Ethernet cable to connect the console port to this adapter.

Router Signal Name	RJ45 Pin Number	DB9 Pin Number	PC Serial Signal Name
RTS	1	8	CTS
DTE READY	2	1	RLSD
TX DATA	3	2	RX DATA
GND	4	5	GND
GND	5	5	GND
RX DATA	6	3	TX DATA
DCE READY	7	X (Not connected)	
CTS	8	4	DTE READY

Table 1: Signal Configuration



RJ45 TO DB9F ADAPTER KIT  
SIGNAMAX P/N G245RD

Figure 1: Adapter Schematic Diagram