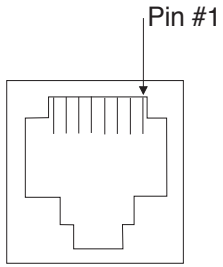
Wiring the RS232/RJ-45 port of the Burleigh WA-2000/2500 to a RS232/DB-9 serial port

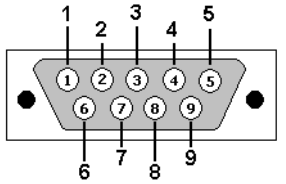
Pin	Wire	Label	Description (O = Output, I = Input)
1	Brown	GRND	Protected Ground
2	Blue	NC	Not Used
3	Yellow	TXD	Transmit Data (O)
4	Green	DTR	Data Terminal Rdy (O)
5	Red	RXD	Receive Data (I)
6	Black	CTS	Clear to Send (I)
7	Orange	SGRND	Signal Ground
8	White	NC	Not Used

RJ-45 patch cable	connect to	DB-9
brown		shield
white-brown		---
green	2 RX	red
white-blue	6 DSR, 8 CTS	orange,blue
blue	3 TX	brown
white-green	7 RTS	violet
orange	5 SGND	yellow
white-orange		---

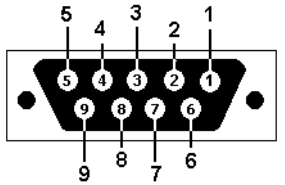


Pin No.	Name	Dir	Notes/Description
1	DCD	IN	Data Carrier Detect. Raised by DCE when modem synchronized.
2	RD	IN	Receive Data (a.k.a RxD, Rx). Arriving data from DCE.
3	TD	OUT	Transmit Data (a.k.a TxD, Tx). Sending data from DTE.
4	DTR	OUT	Data Terminal Ready. Raised by DTE when powered on. In auto-answer mode raised only when RI arrives from DCE.
5	SGND	-	Ground
6	DSR	IN	Data Set Ready. Raised by DCE to indicate ready.
7	RTS	OUT	Request To Send. Raised by DTE when it wishes to send. Expects CTS from DCE.
8	CTS	IN	Clear To Send. Raised by DCE in response to RTS from DTE.
9	RI	IN	Ring Indicator. Set when incoming ring detected - used for auto-answer application. DTE raised DTR to answer.

DB-9



DB9: View looking into male connector



DB9: View looking into female connector