

## Rotronics USB To Quad RS422 Wiring Examples

### Rotronics USB to Quad RS422 - RJ45 pinout.

RJ45 Socket	(EIA/TIA 568B)	Description
1	Orange/White	RS422 Transmit + (TX+)
2	Orange	RS422 Transmit - (TX-) →
3	Green/White	RS422 Receive + (RX+) →
4	Blue	Not connected
5	Blue/White	Not connected
6	Green	RS422 Receive - (RX-) ←
7	Brown/White	Not connected
8	Brown	Not connected

### UAC21001 – RotronicsUSBtoQuadRS422 to Panasonic HE40 camera

- 1) Custom CAT5 cable so Rotronics USB to Quad RS422 can control a Panasonic Aw-HE40.

Rotronics			Panasonic HE40
RJ45 Plug	(EIA/TIA 568B)	Description	RJ45 RS422
1	Orange/White	←(plus)	6
2	Orange	→(minus)	3
3	Green/White	→(plus)	5
4	Blue	Not connected	
5	Blue/White	Not connected	
6	Green	←(minus)	4
7	Brown/White	Not connected	
8	Brown	Not connected	

### UAC21104 – Rotronics USB to Quad RS422 Pin Swap (null modem)

Uses include: Connects one Quad RS422 port back to another (null modem).

RJ45 Plug	(EIA/TIA 568B)	Description	RJ45 Plug
1	Orange/White	RS422 Transmit + (TX+)	3 (Green/White)
2	Orange	RS422 Transmit - (TX-)	6 (Green)
3	Green/White	RS422 Receive + (RX+)	1 (Orange/White)
4	Blue	Not connected	
5	Blue/White	Not connected	
6	Green	RS422 Receive - (RX-)	2 (Orange)
7	Brown/White	Not connected	
8	Brown	Not connected	

**UAC21802 – Master 9wD RS422 to RJ45 adaptor (using Farnell 165-4811 or 165-4812)**

- 1) Connects to broadcast equipment such as VTRs, servers, matrices and panels with 9wD.

9wD RS422 MASTER		RJ45 female (UAC21703)
3 Tx+ (blue)	←(plus)	1 (blue)
8 Tx- (orange)	←(minus)	2 (orange)
7 Rx+(black)	←(plus)	3 (black)
2 Rx- (yellow)	→(minus)	6 (yellow)

**UAC21803 – Slave 9wD RS422 to RJ45 adaptor (using Farnell 165-4811 or 165-4812)**

- 1) Connects to broadcast equipment such as VTRs, servers, matrices and panels with 9wD.

9wD RS422 SLAVE		RJ45 female (UAC21703)
3 Tx+ (black)	→(plus)	3 (black)
8 Tx- (yellow)	→(minus)	6 (yellow)
7 Rx+ (blue)	→(plus)	1 (blue)
2 Rx- (orange)	←(minus)	2 (orange)