

QUANTAR INTERFACING CABLES CHART

MRTI/TELCO to External Analog Controller

SIGNAL	JUMPER	MRTI J14	50 PIN TELCO	WIRE COLOR	RLC-CLUB	S-COM 7330
GROUND	TO 43		7			
RD STAT -	TO 7		43			
RD STAT + (COS)			18	BLACK	7	2
GROUND			32	BLACK (PWR)	PWR CONN	PWR CONN
14.2 VDC OUTPUT (1 AMP MAX)			33	RED (PWR)	PWR CONN	PWR CONN
MRTI TX Audio		1		WHITE	4	5
MRTI PTT		2		RED	3	4
MRTI RX Audio		7		GREEN	5	1
Ground		17		SHIELD	9	6
		27	133	0	28	18

V.24 Quantar/AstroTac to V.24 Quantar/AstroTac (V.24 Null Cable)

V.24 RJ45 (Port 1), Front Panel	RJ45	CAT 5 Wire Color	RJ45	V.24 RJ45 (Port 1), Front Panel
RCLK	1	W/ORANGE	3	TCLK
CD	2	Tie to RJ45 7 & 8	8	RTS
TCLK	3	W/GREEN	1	RCLK
GND	4	BLUE	4	GND
RxD	5	W/BLUE	6	TxD
TxD	6	GREEN	5	RxD
CTS	7	Tie to RJ45 2 & 8	8	RTS
RTS	8	Tie to RJ45 2 & 7	7	CTS

*Note: If you tie pins 2,7,8 together on each side (no need to pass handshake), that will work as well

V.24 Quantar/AstroTac to V.3225 Modem

V.24 RJ45 (Port 1), Front Panel	RJ45	CAT 5 Wire Color	DB25 on Modem	Signal Name on Modem
RCLK	1	W/ORANGE	17	RX Clock
CD	2	ORG	8	Carrier Detect
TCLK	3	W/GREEN	15	TX Clock

GND	4	BLUE	7	Ground
RxD	5	W/BLUE	3	RX Data
TxD	6	GREEN	2	TX Data
CTS	7	W/BROWN	5	CTS
RTS	8	BROWN	4	RTS

V.3225 Modem to IP-223

Signal Name on Modem	RJ45 on V.3225	CAT 5 Wire Color	DB25 on IP-223	Signal Name on IP-223
TX Ring (-)	1	ORG	12	RX (-)
TX Tip (+)	2	W/ORG	24	RX (+)
RX Tip (+)	7	W/GRN	25	TX (+)
RX Ring (-)	8	GRN	13	TX (-)

V.3225 Modem Setup Notes for Use on Obihai Obi-100

Step 1: Reset modem to factory defaults #1

Modem Options

DCE Rate: 9600 Trellis
 Forced Answer
 V.32 Fast Train: Disable
 Auto Retrain: Enable
 Transmit Clock: Internal
 Line Type: Dial
 Jack: RJ11

DTE Options

Operation: Sync
 AT Command Set: Disable

Make sure to store present options under Load/Store Option set
 Program in the phone number of the other Obihai VOIP adapter. Hint: you need to add **9 in front of the obitalk number
 Store present options again, just in case

When making the codeplug for your Quantar/Astrotac,
make sure to ENABLE the External Transmit Clock Option for the V.24.
This will make the V.24 output of the Quantar use the clock signal of the modem