REPEATER BUILDER

Connection Notes
RIM_Lite to Mot. Quantar Repeater

Cable Information:

RIM_Lite (DE-9)	Signal	Quantar (50-pin Telco)	Notes
1	→→ Aux. TX Audio →→	9	CTCSS Encode (Gen Tx. Audio)
2	→→ Main TX Audio →→	5	Voice TX (Tx. Aux. Audio)
3	←← COS in ←←	38	Aux. Out #3
4	←← CTCSS in ←←	37	Aux. Out #2
5	→→ PTT →→	47	Aux. In #9 (Opto -)
6	←← RX Audio (Discriminator) ←←	30	Rx. Aux. Audio
7	→→ PC_OK →→	11	Aux. In #1 (Failsoft)
8	←← Ground →→	7 or 32	
9	←← Ground →→		

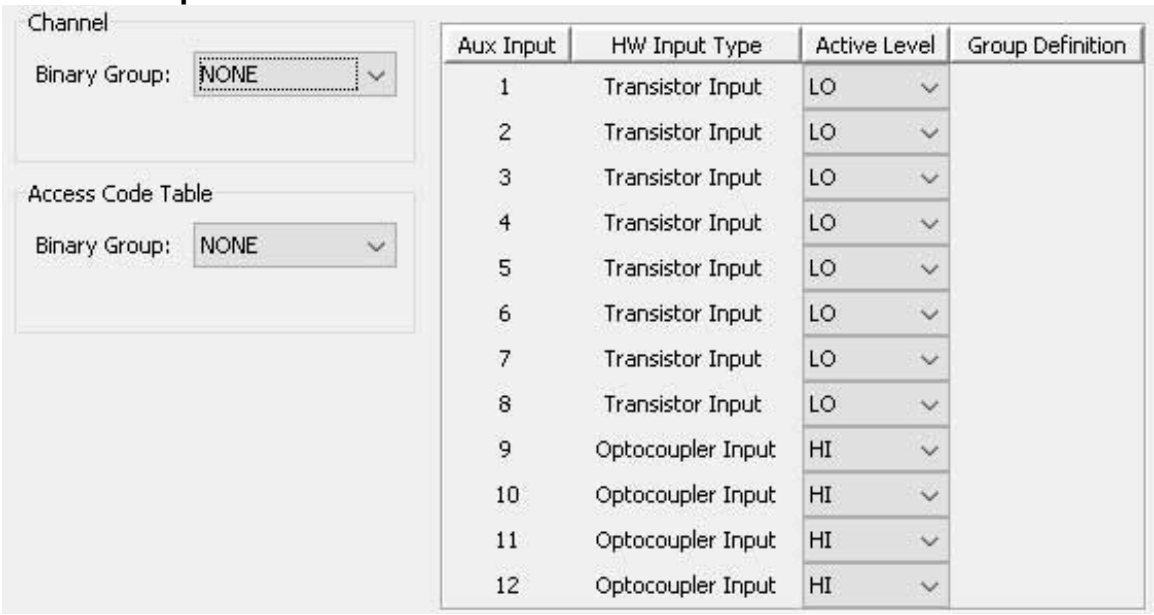
**** Connect pins 8 & 22 on Quantar end - +5v to Aux. in #9 (Opto +)

NOTES:

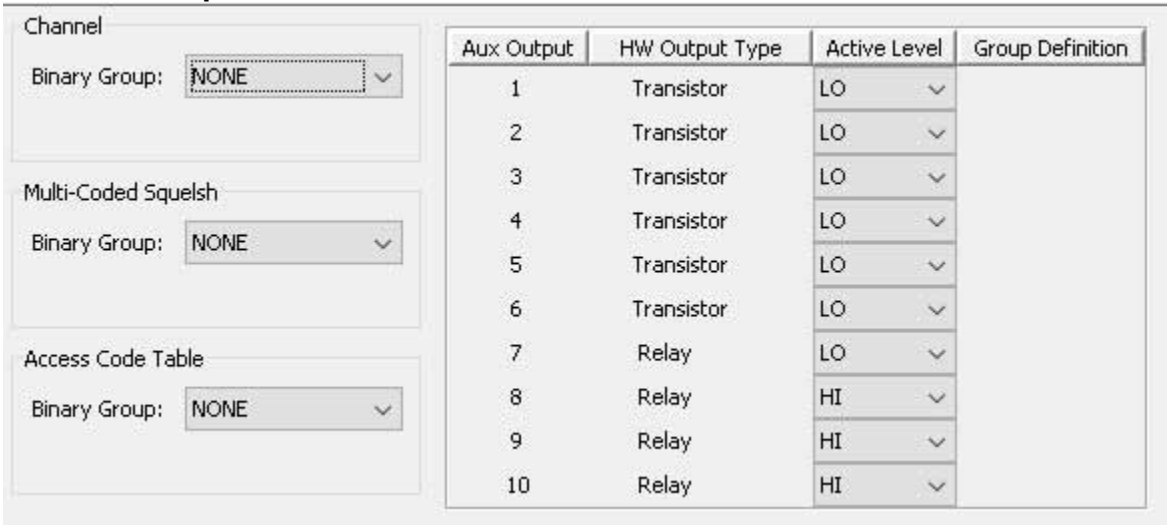
In AllStar set:
carrierfrom=usbinvert and ctcssfrom=usbinvert
txmixa=voice
txmixb=tone

Make sure pre-emph and de-emph. are OFF in AllStar, but ENABLED in the repeater.

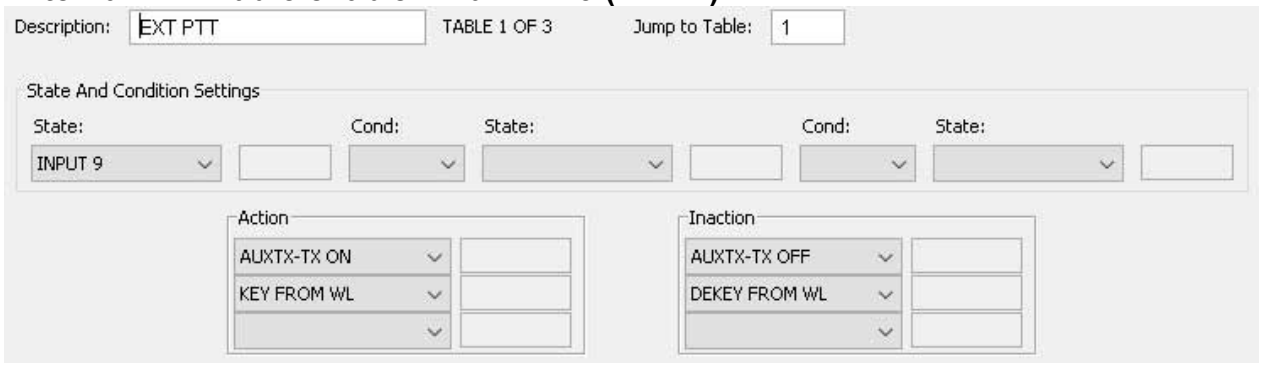
WildCard Input:



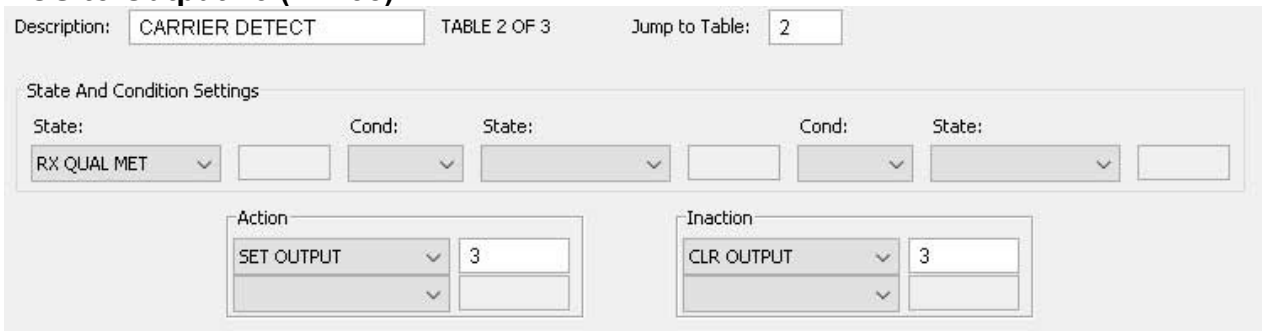
Wildcard Output:



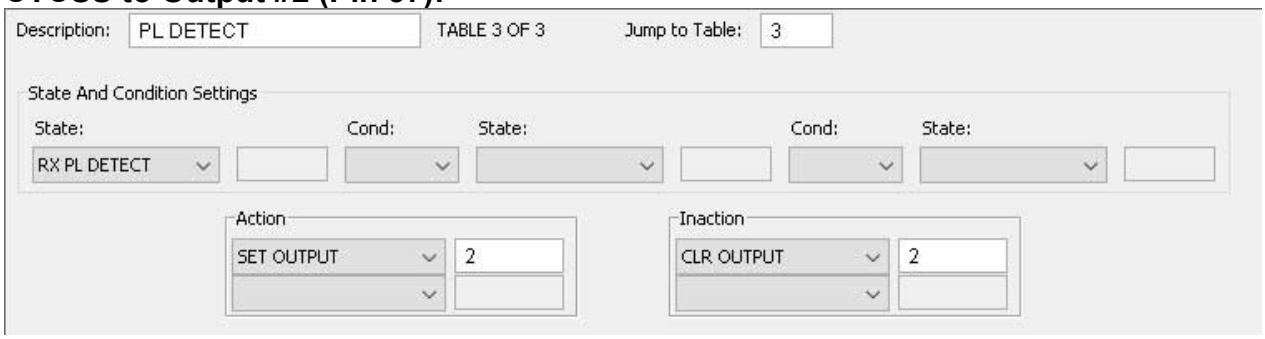
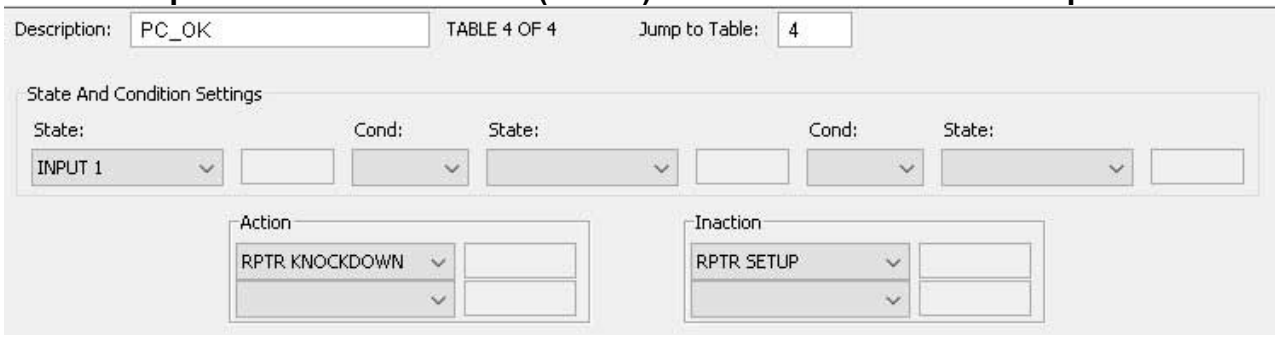
External PTT/Audio enable – Aux. In #9 (Pin 47):



COS to Output #3 (Pin 38):



CTCSS to Output #2 (Pin 37):



Internal Repeat Disable- Aux. In #1 (Pin 11): ***OPTIONAL if internal repeat disabled***