



Connection Notes

RIM_Lite to Mot. MTR3k Repeater

Cable Information:

RIM_Lite (DE-9)	Signal	Mot. SLR (DB-25M)	Notes
1	→→ Aux. TX Audio →→		
2	→→ Main TX Audio →→	22	
3	←← COS in ←←	4	COS Detect
4	←← CTCSS in ←←	5	PL/Talkgroup Detect
5	→→ PTT →→	2	
6	←← RX Audio ←←	7	
7	→→ PC_OK →→		
8	←← Ground →→		
9	←← Ground →→	16, 17, 18, 19	Use any of these

More information:

<https://www.repeater-builder.com/motorola/mtr2k/mtr3000-allstar/mtr3000-analog-allstar.html>

NOTES:

Program the MTR3k's I/O as follows:
 Pin #4 – CSQ Detect – Active High
 Pin #5 – PL/Talkgroup Detect – Active High
 Pin #2 – External PTT – Active Low

In AllStar set:
 carrierfrom=usb and ctcssfrom=usb
 txmixa=voice

Make sure pre-emph and de-emph. are OFF.