



Connection Notes

RIM_Lite to Mot. SLR Repeater

Cable Information:

RIM_Lite (DE-9)	Signal	Mot. SLR (DB-25M)	Notes
1	→→ Aux. TX Audio →→	13	TX Data (optional)
2	→→ Main TX Audio →→	1	TX Audio (voice)
3	←← COS in ←←	2	GPIO #1
4	←← CTCSS in ←←	4	GPIO #2
5	→→ PTT →→	15	GPIO #3
6	←← RX Audio ←←	7	Rx. Aux. Audio
7	→→ PC_OK →→	23	GPIO #4 (optional)
8	←← Ground →→	9, 16-19	
9	←← Ground →→		

NOTES:

Program the SLR I/O as follows:

- GPIO #1 – CSQ Detect – Active High
- GPIO #2 – PL/Talkgroup Detect – Active High
- GPIO #3 – External PTT – Active Low
- GPIO #4 – Repeater Knockdown – Active Low

In AllStar set:

```
carrierfrom=usb and ctcssfrom=usb
txmixa=voice
txmixb=tone
```

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