



## Connection Notes RIM\_Lite to Mot. Spectra Low/Mid Power

### Cable Information:

| RIM_Lite<br>(DE-9) | Signal                         | Spectra<br>(DA-15) | Notes   |
|--------------------|--------------------------------|--------------------|---|
| 1                  | →→ Aux. TX Audio →→            |                    |   |
| 2                  | →→ Main TX Audio →→            | 15                 | Voice TX (Tx. Aux. Audio)                               |
| 3                  | ←← COS in ←←                   |                    | Use USB Radio for DSP based Squelch<br>and CTCSS decode |
| 4                  | ←← CTCSS in ←←                 |                    |   |
| 5                  | →→ PTT →→                      | 13                 |   |
| 6                  | ←← RX Audio (Discriminator) ←← | 30                 | Discriminator audio                                     |
| 7                  | →→ PC_OK →→                    |                    |   |
| 8                  | ←← Ground →→                   | 8                  |   |
| 9                  | ←← Ground →→                   |                    |   |

**NOTES:**

There is no channel activity output on these radios. The RX audio is discriminator type and thus one can use the USBradio drivers (vs. SimpleUSB) to use DSP routines to detect COS and decode CTCSS.

The TX audio will be pre-emphasized internal to the radio, so do not enable pre-emphasis or limiting in AllStar. The TX audio input will not pass CTCSS tones.