



Connection Notes

RIM_Lite to Icom OPC-617 and IC-Fx21 Internal Connector

Cable Information:

RIM_Lite (DE-9M)	Signal	Simplex DE-9M / Int.	Duplex TX Radio	Duplex RX Radio
1	→→ TX Audio (Voice) @ →→			
2	→→ TX Audio (CTCSS) ## @ →→	4 / 9	4 / 9	
3	←← COS In ** ←←	6 / 3		6 / 3
4				
5	→→ PTT && →→	5 / 11	5 / 11	
6	←← RX Audio @ ←←	3/7 (2/5)		3/7 (2/5)
7	N/A			
8	←← Ground →→	7,8 or 9 /	7,8 or 9 /	7,8 or 9 /
9	←← Ground →→	6,8 or 10	6,8 or 10	6,8 or 10

NOTES:

** To enable COS out (only on AllStar cables) set **RX_EXO** to **ON** and **Delay Timer** to **OFF** in the **Common > Expert** menu.

&& In the radio's programming, EPTT MUST be enabled. This can be found in **Common > Expert**. Set **EPTT/FTSW** to **EPTT**.

To utilize this cable, you must open the radio and ensure solder jumper (bead) 'F' is soldered. This will enable flat TX audio. For mic style audio, jumper the 'D' solder jumper.

@ Pin numbers in parenthesis are for discriminator audio output. RB cables are built for De-emphasized audio unless otherwise noted.

The internal connector is an 11 pin JST-ZH series connector.