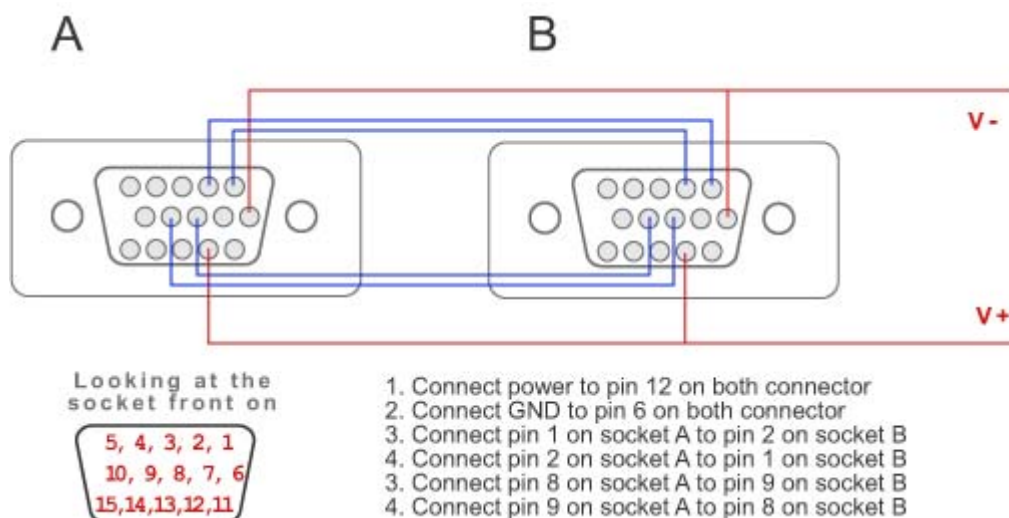




Simulate radio connection between two Nexion modems with a custom cable

To create an NX1500 crossover cable, use two of the NX1500 high density 15 pin HDDB15 female sockets.

This cable will power up both modems and simulates a radio channel between them.



pin 6 - GND
pin 12 - PWRIN
pin 1 - RX Audio
pin 2 - TX Audio
pin 8 - Busy input
pin 9 - PTT output

Configuring the NX1500 series S114 and S115 settings.

Configuring S114 (start with S114=2) and S115 between 2 'direct-connect' test modems

1. Set both modems into command mode. Command mode is enabled automatically when broadcast mode is disabled i.e. Set S103=0, S104=0 and S105=0.
2. Send a test tone from modem 1: AT&T3
3. On modem 2, display diagnostics: AT%Q and take note of the level. Adjust S115 (transmit) first on modem 1 and S114 (receive) on modem 2 until a %Q level of as close to 1000 as possible is achieved (note: remember to re-enable AT&T3 after making changes to S115).
4. Clear the test tone on modem 1: AT&T
5. Reverse the procedure and repeat to correctly set the registers on modem 2.
6. If any of S103, S104 and S105 were initially configured, set them back.
7. Save the settings on both modems: AT&W.