

## TechNote 163

### Pin Connections to Probe Cable for High Impedance HS4 Amplifier

These pin connections are provided in the situation where one might want to bypass the TDT probe cable. For example, some chronic implants have a pre-amp located on the animal and the outputs from the pre-amp can be wired directly to the HS4. The pre-amp should have no gain or very little gain (less than 10x).

DB9 pin on HS4	Connection
1	Channel 1
2	Channel 2
3	Channel 3
4	Channel 4
5	Reference
6	+v
7	GND
8	GND
9	-v

#### Example:

To wire a 1 channel high-impedance pre-amp to the DB9, connect the output of the pre-amp to pin 1, and the ground to pin 8. If a reference is not used, pin 5 should be tied to pin 8.