

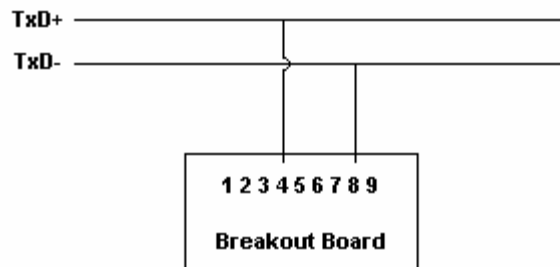
RS-422/485 Cabling for FTS

The cables supplied with your FTS product are for use with RS-232 circuits only. Because RS-422 and RS-485 don't subscribe to a standard connector pin out (as RS-232 does) it's necessary to make your own connections. We've supplied a pair of breakout boards to make wiring this easier. These instructions are specific to the ports on Quatech PCI and PCMCIA cards, but could be applied to any other ports by changing the pin assignments.

By default, when FTS starts, it checks to see if the RS-232 cable set is attached and issues a warning if it doesn't find them. Since you're not using the RS-232 cables, you'll get this warning every time. To prevent this, go to Options | Hardware Settings and uncheck the box labeled "Notify if Auto Detect of Cables Fails".

Two Wire Cabling:

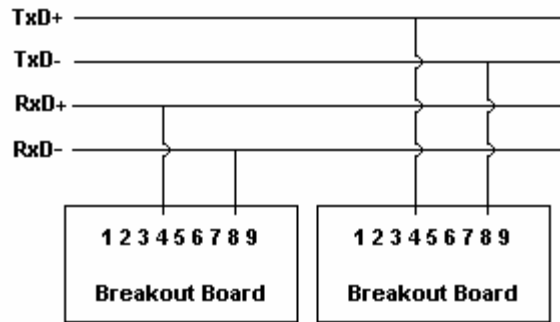
FTS expects to see the transmit lines of your circuit connected to the receive pins on the Quatech ports. Tap off of the Transmit + line (TxD+) of your circuit, and connect that to pin 4 (RxD+) on the breakout board, then tap off of the Transmit - line (TxD-) and connect that to pin 8 (RxD-) on the board.



The breakout board may then be plugged into the port on the Quatech card. See the Quick Start Guide, installed in your FTS product folder for instructions on how to proceed from here.

Four Wire Cabling:

For a four wire circuit, FTS expects the Receive pair to be on one com port and the Transmit pair on the other. Tap off of the Transmit + line (TxD+) of your circuit, and connect that to pin 4 (RxD+) on one breakout board, then tap off of the Transmit - line (TxD-) and connect that to pin 8 (RxD-) on the board. Do the same with the Receive lines, tap off of the RxD+ and connect that to pin 4 on the second breakout board then tap RxD- and send it to pin 8 on the second board.



Each breakout board is then be plugged into a port on the Quatech card. See the Quick Start Guide, installed in your FTS product folder for instructions on how to proceed from here.