

Introduction

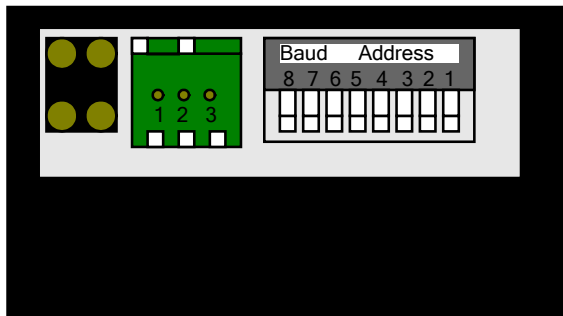
All *ADVANCED* Motion Controls[®], DigiFlex[®] Performance[™] Servo drives come with an RS232 connection. DigiFlex Performance drives with CAN communication include a secondary RS232 communication channel. *ADVANCED* Motion Controls' DriveWare software can connect to the drive using this channel in addition to the primary communication channel.

Locating The Secondary RS232 Channel (CAN Drive)

The RS232 connector is located on the top edge of a CAN drive in between the CAN bus termination jumper block and the hardware address and baud rate switches.

Note: The switch settings have no effect on RS232 communication

RS232 Connector CAN Drive

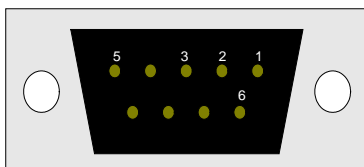


The mating connector (Phoenix p/n 1881338) ships with every DigiFlex drive.

Interfacing to the RS232 Port

To connect the RS232 port to a PC requires a cable. Most PCs (or USB to RS232 converters) have a 9pin D-sub serial port connection.

9-pin D-Sub Serial Connection



All that is needed is to connect the Transmit Data (TX) pin, Receive Data (RX) and Ground pins to the appropriate locations on the drive. The relationship is illustrated below

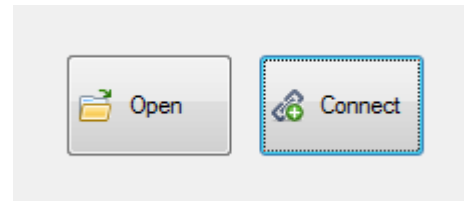
PC to DigiFlex Drive Connections

9-Pin D-sub			Digiflex Drive	
TX	3		1	RX
RX	2	TO	2	TX
GND	5		3	GND

Establishing a connection with DriveWare

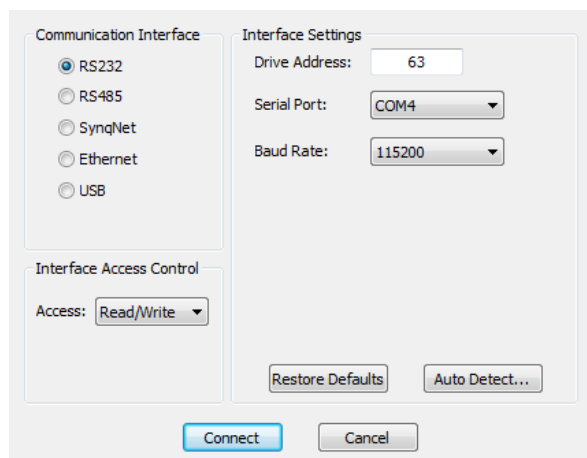
Once the necessary connections have been made, make sure the drive's logic power is applied. The steps to establish a connection using drive ware are:

1. Launch DriveWare.
2. From the initial dialog, select 'Connect'.



3. Select RS232 under Communication Interface. The default parameters from the factory are: **Drive Address 63** and **baudrate 115200 (some older drives may have a baudrate of 9600)**.

Note: During initial drive connection and commissioning, **Read/Write** should be selected for Interface Access Control. **Read Only** is used to put the software in a state that allows monitoring through the configuration software while writing through another interface (CAN).



4. Select the Serial Port on the PC that the DigiFlex drive is connected to.
5. Press 'Connect'.
6. The Status Bar along the bottom of the DriveWare interface should read 'Connected' and show the connection parameters when hovered over with the mouse.

