



While the Dios can operate at voltage down to 2.5v the RS232 drivers can not. Most require at least 4.5v. Some can go as low as 3.5v.

To help you in set up the Dios Comes pre-programmed with a test program that outputs a test message to the transmit port. Also the IO pins are set to blink. After powering up the Dios chip you should verify the IO pins are blinking then connect your driver and pc software. If the driver is connected properly you will see a test message in the debug window. (you will have to open the debug terminal)

Once you see the test message you should be able to program the Dios. If not check that your Tx pin is configured correctly. Also check your ATN connection. You can even run the LED test under the change your com port settings. This blinks the ATN line. If it does not blink you have something connected incorrectly.

The following are the chip pin out for the port connections.

Dios Ultra OEM 40

- Dios Tx Port 16 = Pin 7
- Dios Tx Port 3 = Pin 37
- Dios Rx Port 17 = Pin 6
- Dios Atn = Pin 1

Dios Ultra OEM 28

- Dios Tx Port 16 = Pin 7
- Dios Tx Port 3 = Pin 25
- Dios Rx Port 17 = Pin 6
- Dios Atn = Pin 1

Dios Ultra OEM 32 Module

- Dios Tx Port 16 = Pin 4
- Dios Rx Port 17 = Pin 3
- Dios Atn = Pin 5

To Make life a little easier I sell the following components

- [Easy RS232 PCB](#)
- [DB9 connector](#)
- [9 pin cable](#)
- [Easy RS232 Kit](#)