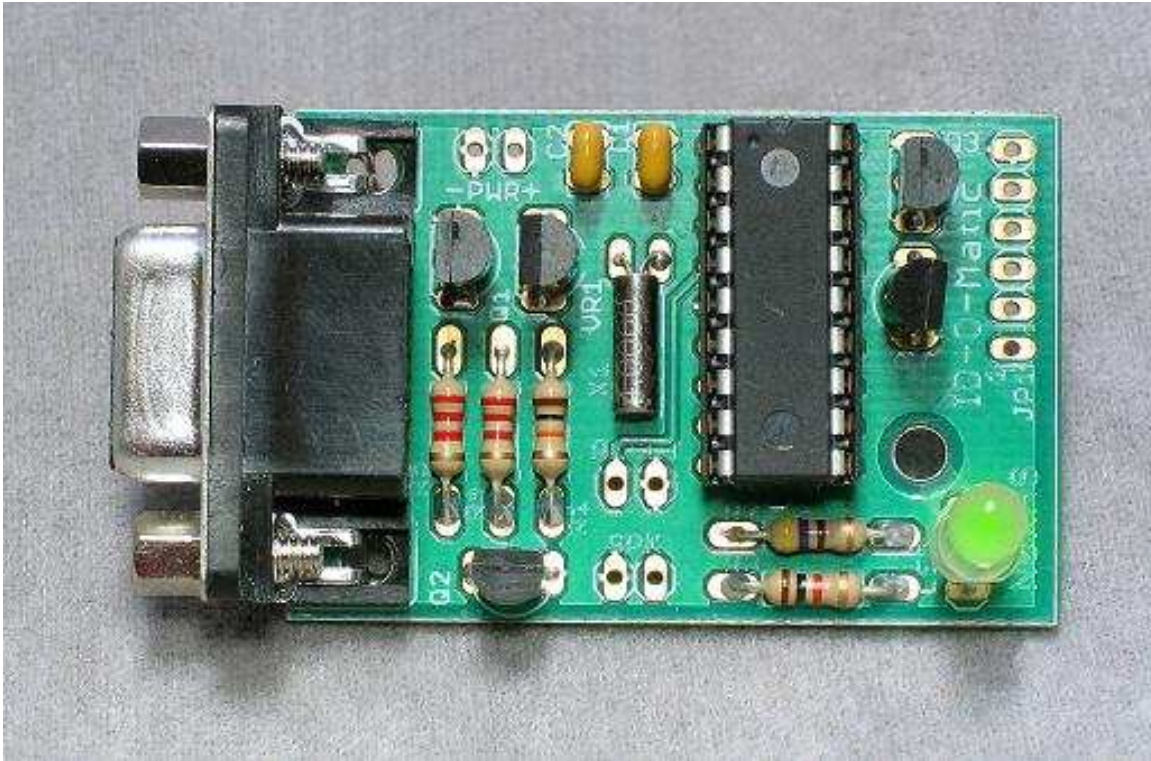


Setting Up and Troubleshooting Your ID-O-Matic



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Setting up Hyperterminal for use with your ID-O-Matic

Hyperterminal is included with most versions of Windows, but not all. It can normally be found under “Accessories” and “Communications”. If you don’t have Hyperterminal and can’t find a copy anywhere, you may want to use PuTTY instead. Refer to the PuTTY section for the download location and instructions.

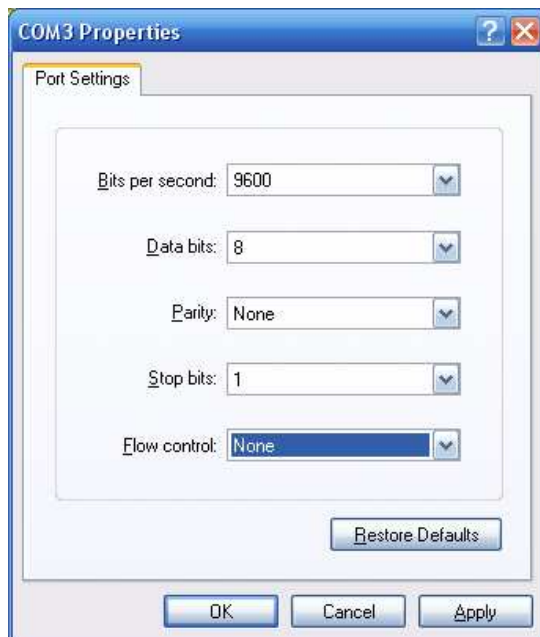
1. Start the HyperTerminal program. You should see a window similar to this to start a new connection. Type a name for the connection in the box; I just use the name “serial”. Click the **OK** button.



2. Ignore the country/region code, area code and phone number. These settings make NO difference; they are only for using a modem. The important part here is to select the serial communication port you will be using. In my case, it's COM3. Yours can be COM1, COM2, whatever – I can't tell you that part. If you have more than one COM port, you may need to try them all. All I can tell you is that it is most definitely NOT anything that says TCP/IP (Winsock) or any modem – it will be a COM port. When you're finished, click the **OK** button.



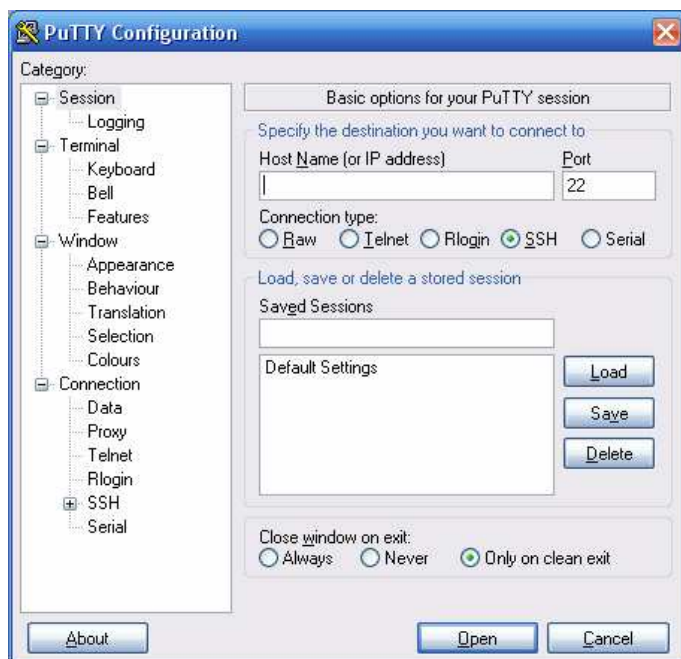
3. This part is important! Change the bits per second to 9600, AND change the flow control setting to None. The settings should be exactly as shown here. Click **OK**.



4. Now you're done. You should be able to communicate with your ID-O-Matic. If you can't, check to make sure you have the right COM port selected. Also make sure you are using a 9-pin straight through cable, NOT a null modem cable. The null modem cable has several pairs of wires crossed, and is designed to connect two computers together or a computer and a serial printer. Unfortunately there is no way to tell one from the other, except with an Ohm meter or continuity tester.

Setting up PuTTY for use with your ID-O-Matic

1. If you do not have a copy of PuTTY, you can download it from the following web page. You want to download putty.exe for Windows.
<http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>
2. Start the PuTTY program. You will see a screen similar to this:



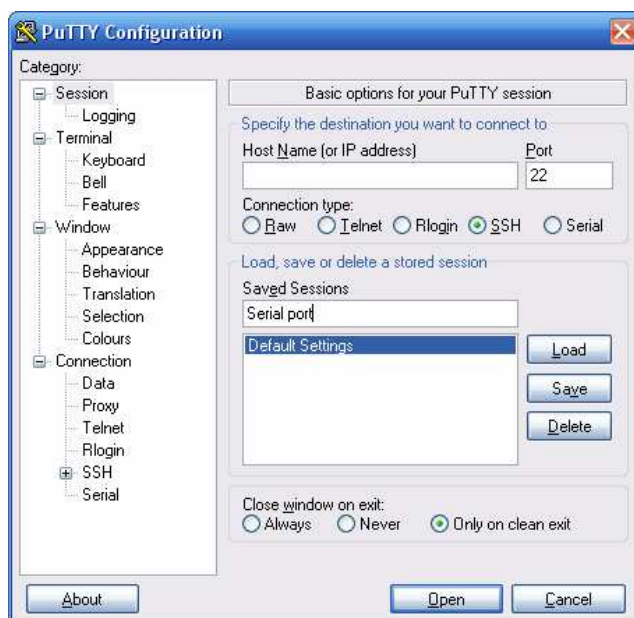
From the items on the left side, click the last one – “Serial”.

3. Set up the parameters as shown below. Make SURE you have flow control set to **None**.

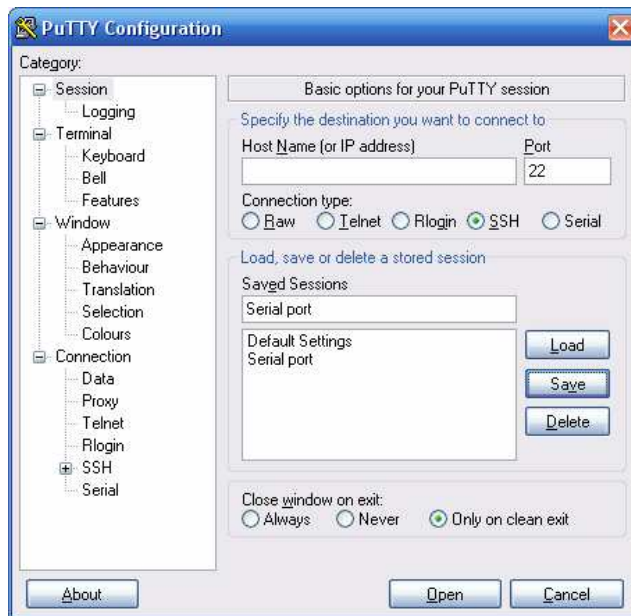


You may need to use a different COM port, depending on your system. Like with Hyperterminal, yours can be COM1, COM2, whatever – I can't tell you that part. If you have more than one COM port, you may need to try them all.

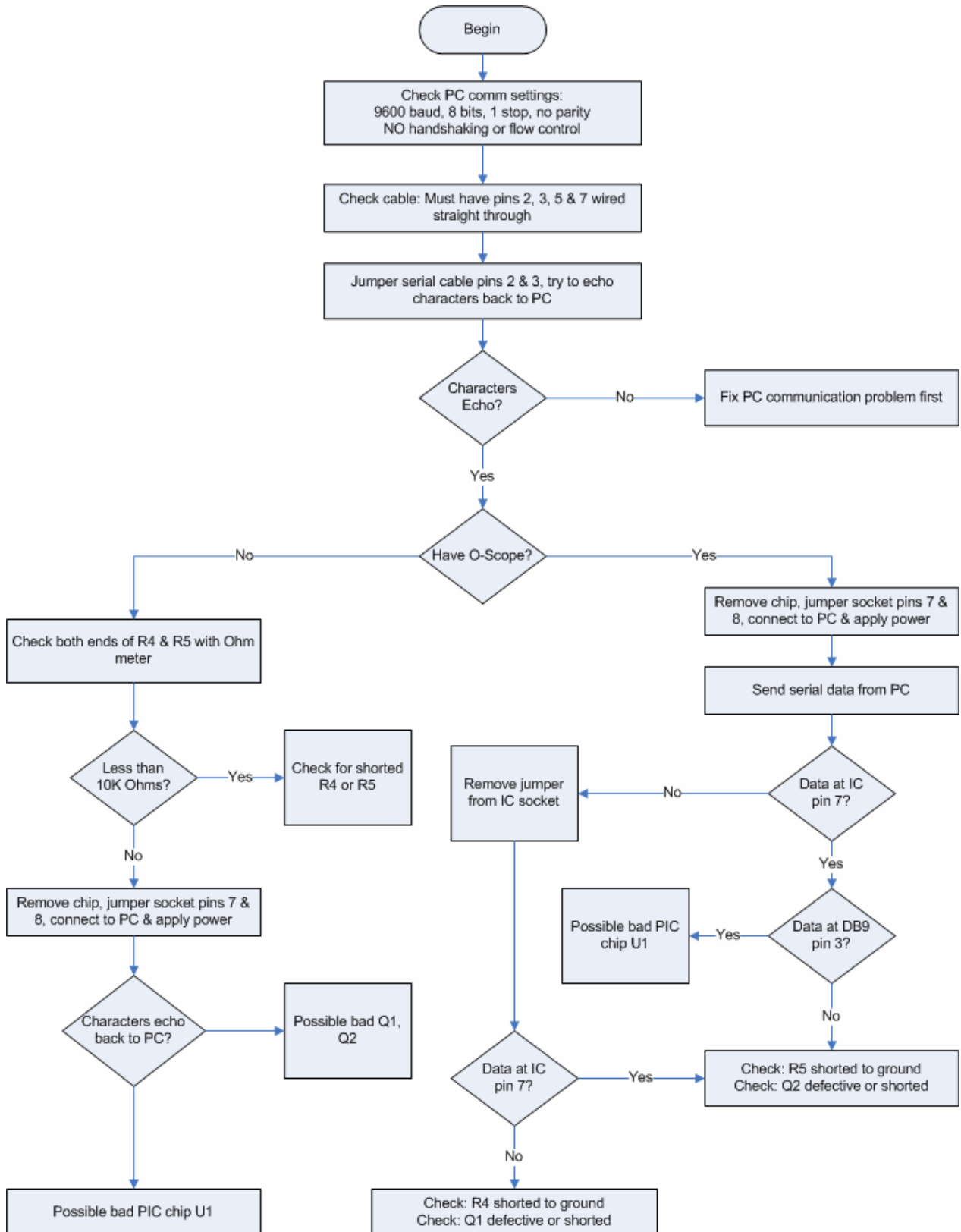
4. Now click "Session" on the left side. You will want to save this setup, so type "Serial port" into the Saved Sessions box, and click **Save**.



5. You now have the connection settings saved. You should be able to hit the **Open** button, or just double-click the name of the session you just saved (Serial port) to connect to your ID-O-Matic.



Troubleshooting Serial Communications Problems



Troubleshooting other issues with your kit

Symptom	Check this:
No green LED with power applied	<ul style="list-style-type: none"> • 5V DC from IC pin 5 (GND) to pin 14 (+5)? • Chip inserted backward? • VR1 & Q1 exchanged? • Crystal damaged by excessive heat • R1 shorted to ground – check for 5V across RESET pads
No sound from attached speaker	The ID-O-Matic can only supply a few mA of audio drive. The included micro speaker should be used, or an audio amp connected.
LED blinks and turns RED as soon as power is applied	ID delay time set to zero. Try hitting ENTER repeatedly as you apply power or reset using RESET pads to get into setup menu.
No serial communications	Use serial comm. troubleshooting flow chart.
No voltage on JP1-4 or JP1-5	These are active low, open-drain outputs. See instruction manual. Use a pull-up resistor if needed.