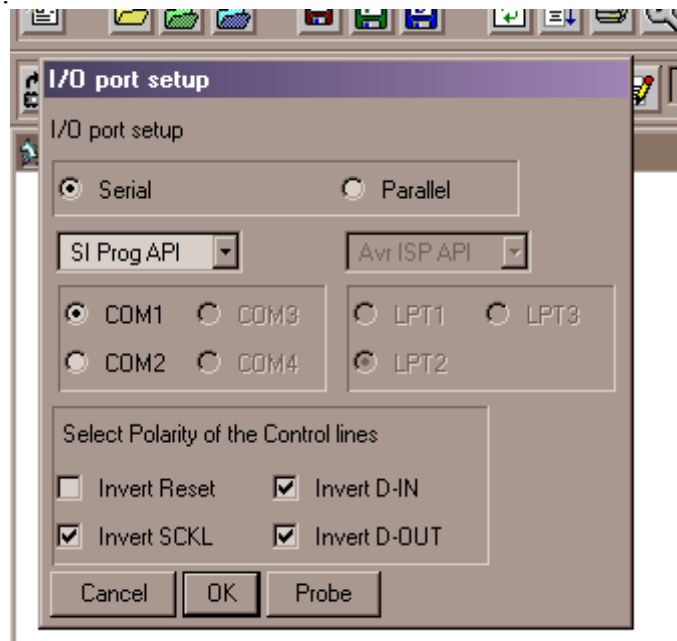


1. Make wire from **X2** to **X3** in «AvrUsb500 by Petka» programmer.
2. Connect programmer to USB port.
3. Install Virtual COM port drivers from <http://www.ftdichip.com/Drivers/VCP.htm>
4. Change new virtual COM port number to COM1...COM4:
  - In «**device manager**» select «**USB serial port**» and click «**properties**».
  - In tab «**Port settings**» click «**Advanced...**» button.
  - Change COM port number to **COM1**, **COM2**, **COM3** or **COM4**.
5. Download, install and run «**PonyProg**» from <http://ponyprog.sourceforge.net>
6. **Main menu -> Setup -> Interface Setup...**
  - Select «**Serial**».
  - Choose USB serial COM port number.
  - Select «**Invert SCKL**», «**Invert D-IN**», «**Invert D-OUT**».
  - Leave unselected «**Invert Reset**».
  - Push «**OK**».



7. Select your AVR device:



8. Open HEX file for your configuration of programmer.
9. Modify «fuse bits». (in PonyProg checked bit means "1").
10. Program flash memory. (This step proceed around 30 minutes per 4k of flash memory )
11. Disconnect programmer from USB port.
12. Remove wire **X2** to **X3**.
13. Make wire from **X2** to **X4**.
14. Programmer «AvrUsb500 by Petka» ready to use!