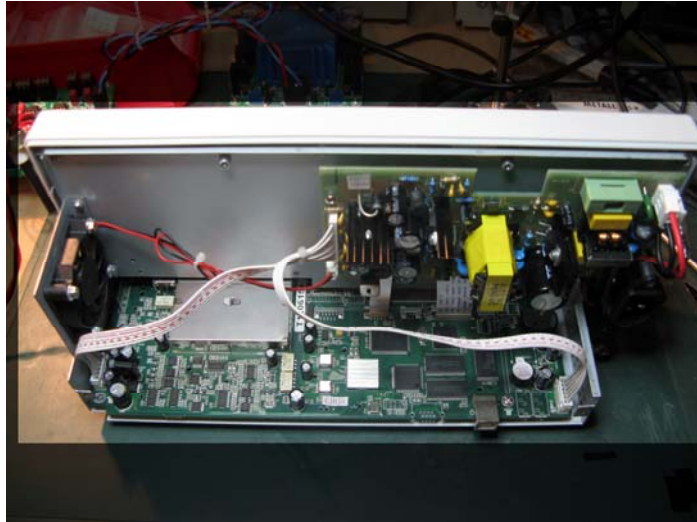
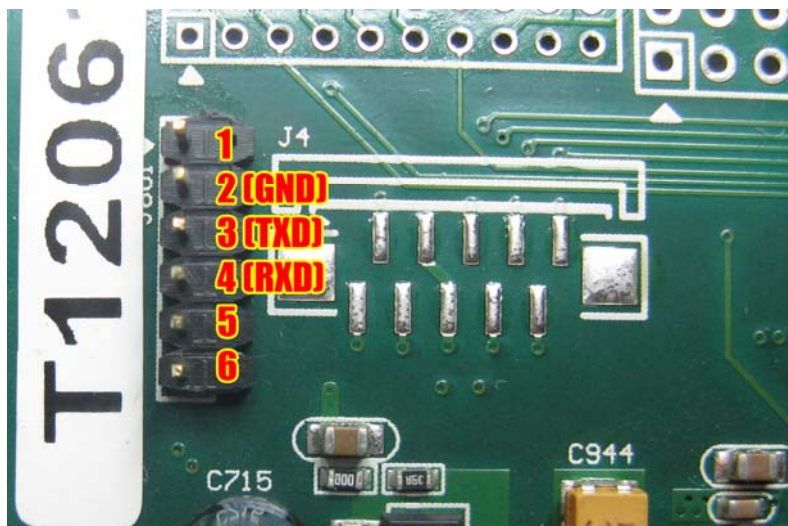


How I unbricked my Hantek / Tekway / Voltcraft DSO [Voltcraft 3062C]

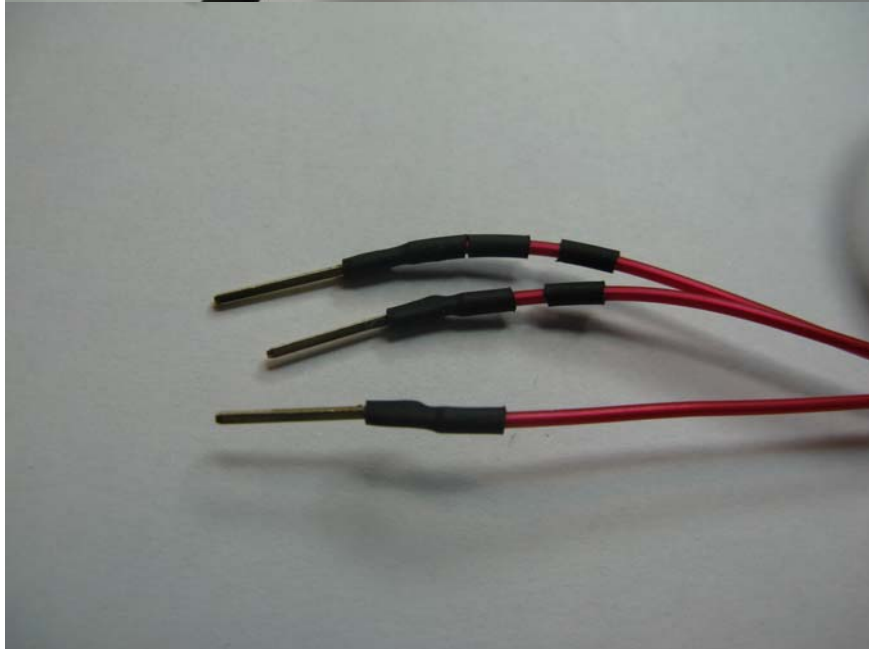
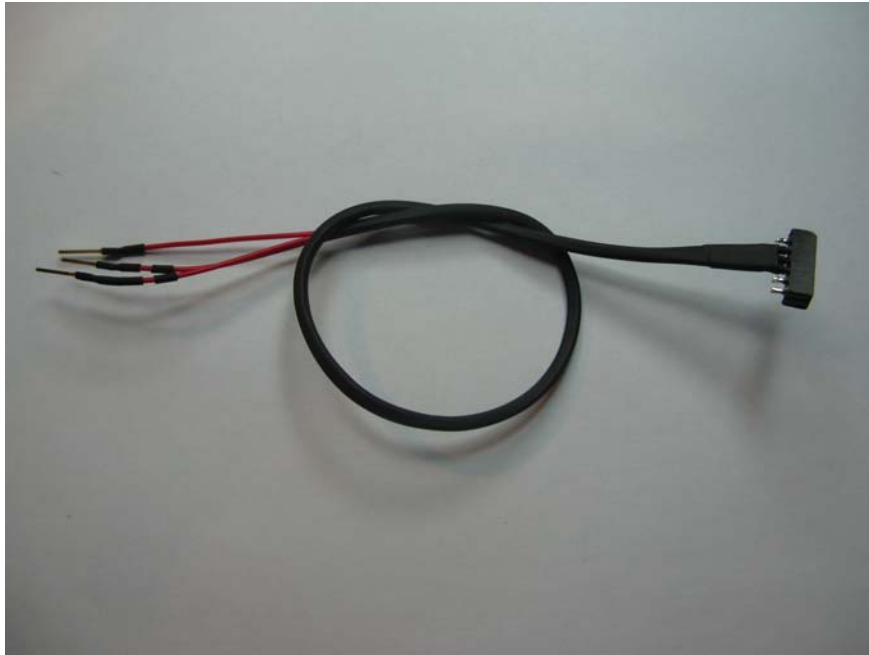
First I've disassembled the scope so I had access to the mainboard.



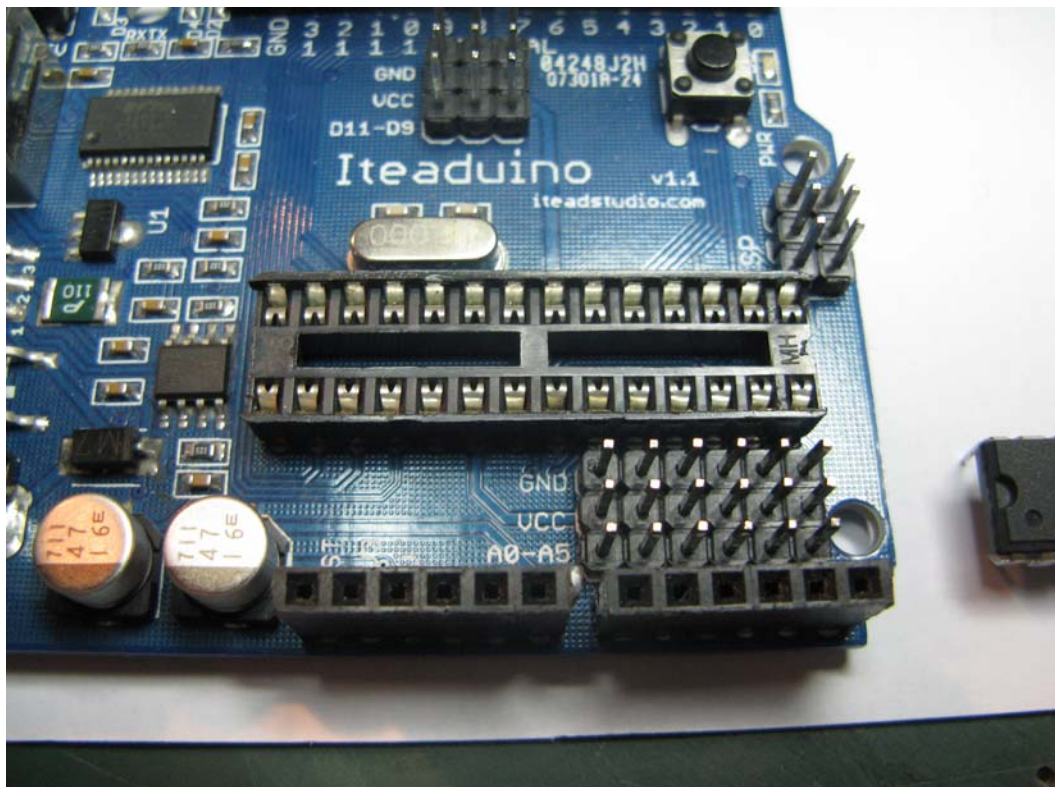
After that I soldered a 2x6 (2 mm) pin header to the board:



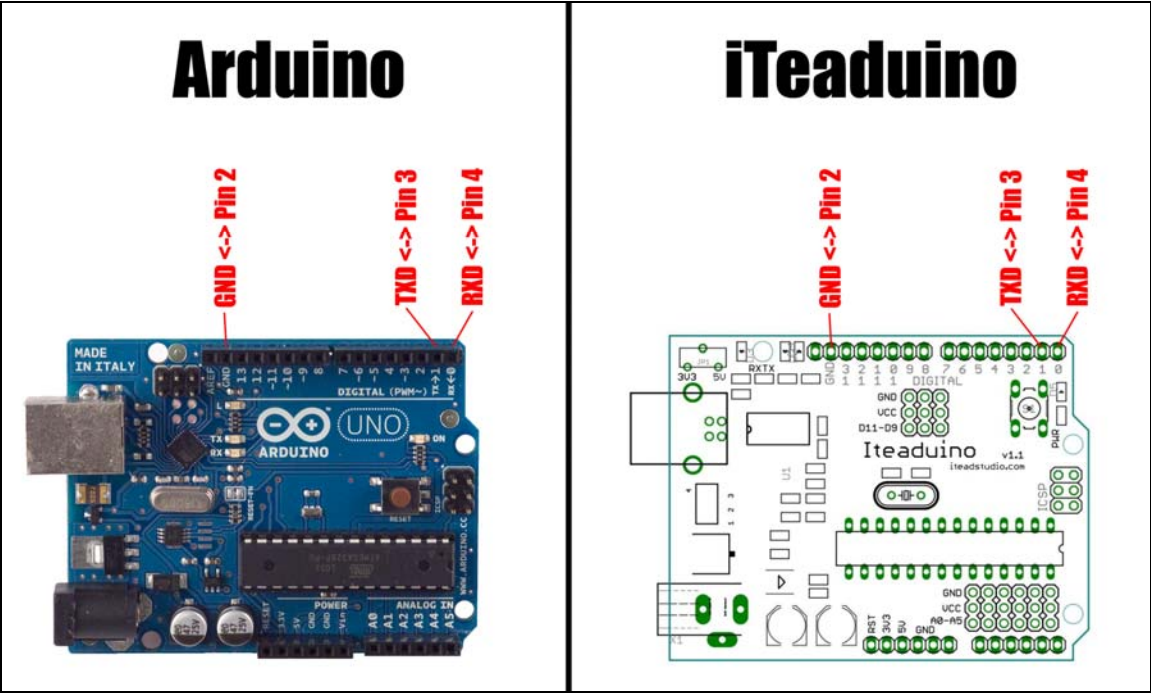
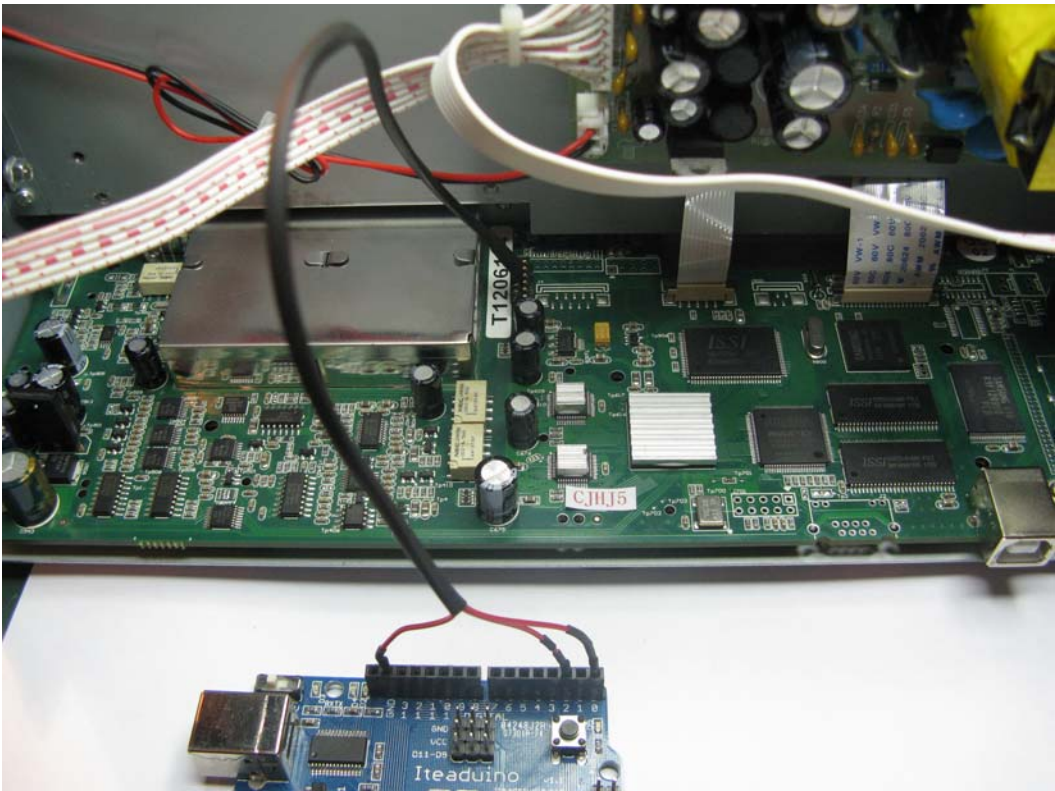
Then I made a cable that connects my Ardunio clone [iTeadunio v1.1] to the header that I just had soldered to the board.



After that I removed the ATmega microcontroller from the socket on the Arduino board.



Then I connected RXD, TXD and GND with the cable as shown in pictures.

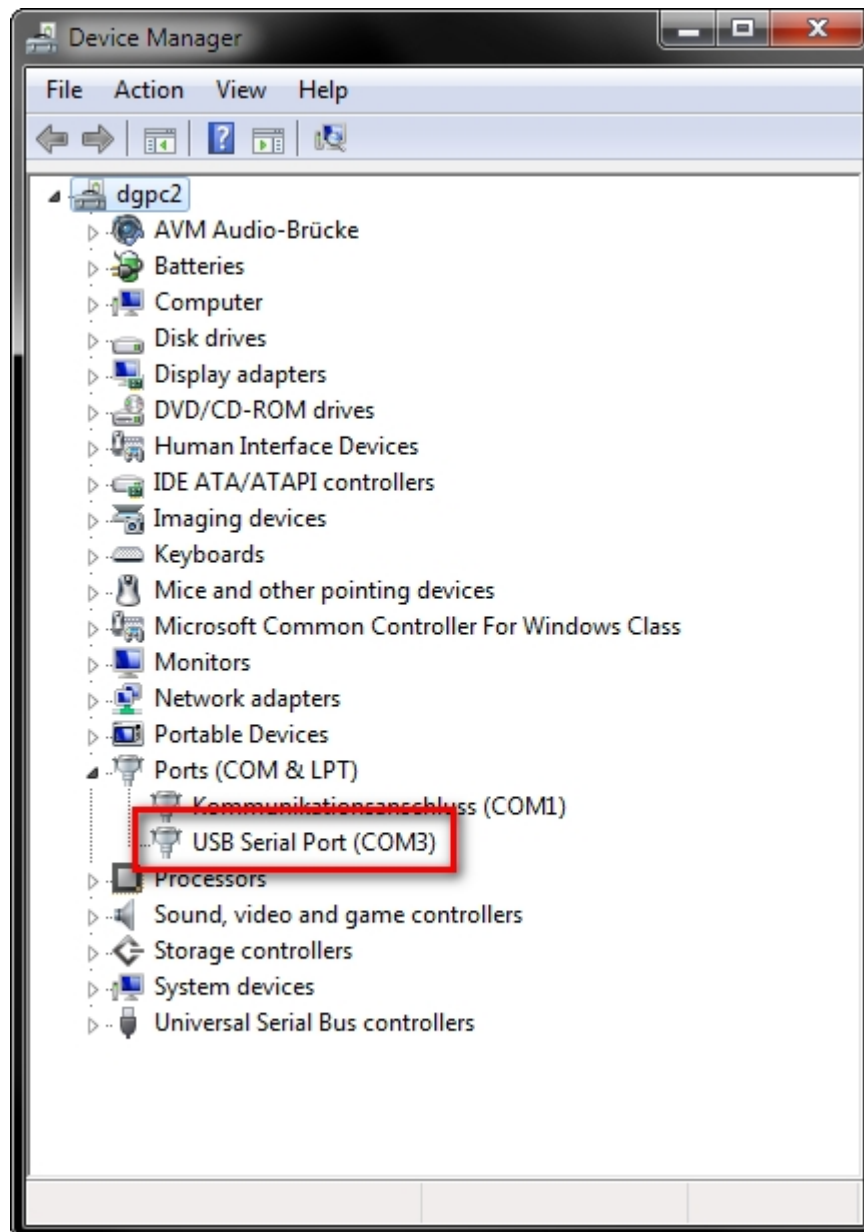


Signal	Arduino Pin Label	Header
GND	GND	Pin 2
TXD	1	Pin 3
RXD	0	Pin 4

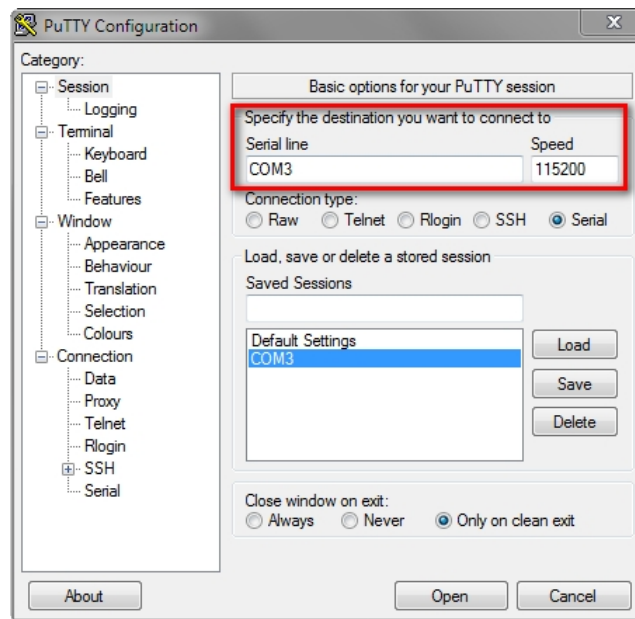
Then it was time to download putty.exe from <http://the.earth.li/~sgtatham/putty/latest/x86/putty.exe>

I turned my scope on, and connected the Arduino to my PC using an USB cable.

I went to the device manager to determine the COM-Port the Arduino was emulating (COM3).



Then I configured putty.exe as shown:



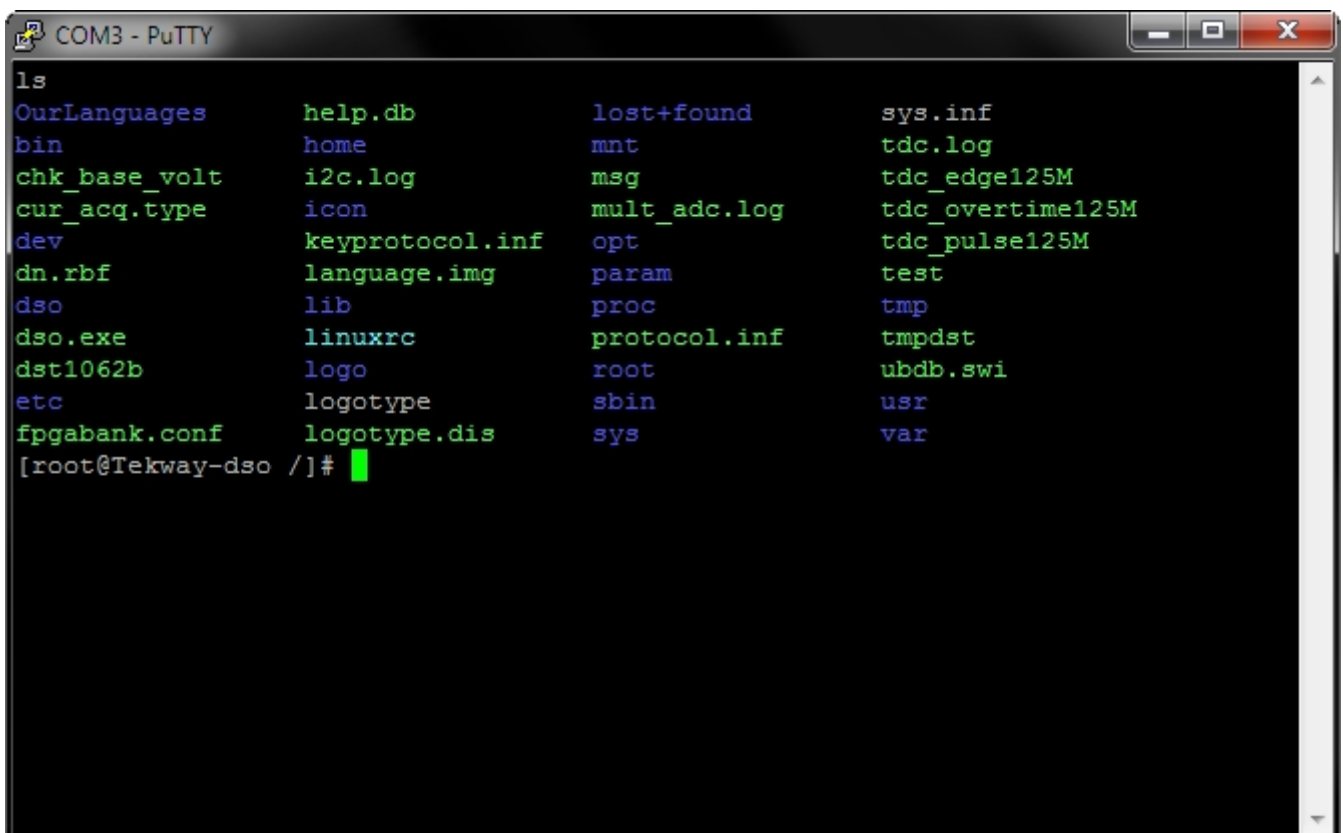
Connection Type:	Serial
Serial Line:	COM3
Speed:	115200

Then I pressed the Open button.

After that I got this window.



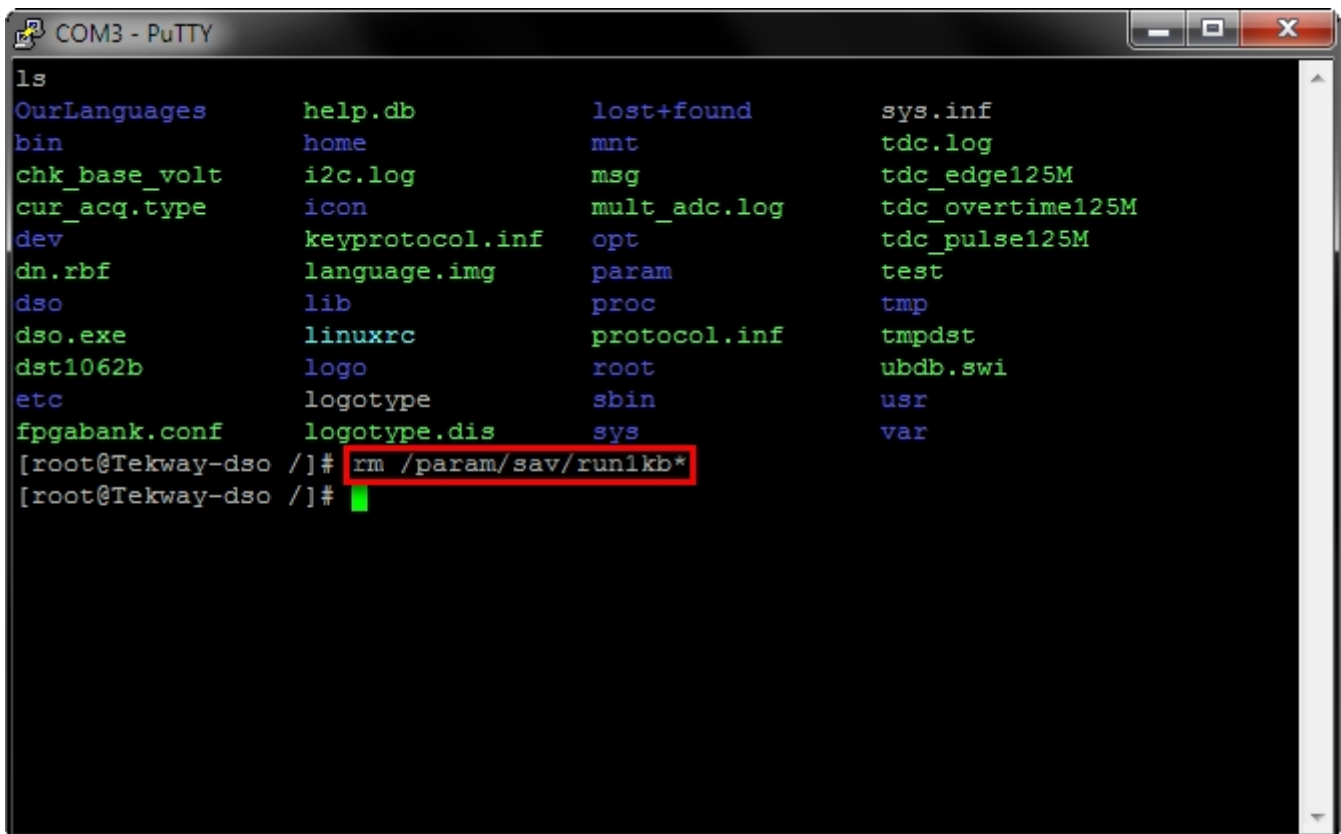
And executed the **ls** command to get a directory listing.



This wasn't really necessary, but it showed me, that I successfully connected to the terminal server of the scope.

After that I removed the file that causes the scope to lock up with the command

rm /param/sav/run1kb*



The screenshot shows a PuTTY terminal window titled 'COM3 - PuTTY'. It displays the output of an 'ls' command, listing various files and directories in a four-column format. The files include 'OurLanguages', 'bin', 'chk_base_volt', 'cur_acq.type', 'dev', 'dn.rbf', 'dso', 'dso.exe', 'dst1062b', 'etc', 'fpgabank.conf', 'help.db', 'home', 'i2c.log', 'icon', 'keyprotocol.inf', 'language.img', 'lib', 'linuxrc', 'logo', 'logotype', 'logotype.dis', 'lost+found', 'mnt', 'msg', 'mult_adc.log', 'opt', 'param', 'proc', 'protocol.inf', 'root', 'sbin', 'sys', 'sys.inf', 'tdc.log', 'tdc_edge125M', 'tdc_overtime125M', 'tdc_pulse125M', 'test', 'tmp', 'tmpdst', 'ubdb.swi', 'usr', and 'var'. Below the listing, the command 'rm /param/sav/run1kb*' is entered at the prompt '[root@Tekway-dso /]#'. The command is highlighted with a red box. The prompt '[root@Tekway-dso /]#' is shown again on the next line, indicating the command has been executed.

DONE!

The Scope works again.

Thanks to user Tinhead for all the Info on the Hantek / Tekway / Voltcraft scopes. I know the info in this (sort of) guide is redundant, however I felt like writing it down in a step by step manner, so other people who need to fix their scope can benefit from it.