

INSTRUCTIONS FOR PROGRAMMING OF OLIMEX CHIP WITH JOHANNES CODE

V1.1

I finally figured out how to install firmware to Olimex STM32H103 inverter chip. We need to follow next instruction:

1. Buy a programming dongle:

<https://www.ebay.com/itm/ST-Link-V2-Mini-Metal-Shell-STM8-STM32-Programmer-Emulator-Downloader/281411011881?hash=item4185674529:g:JpIAOSwGvhT6ill>



2. Load software for Windows, probably have to register with ST

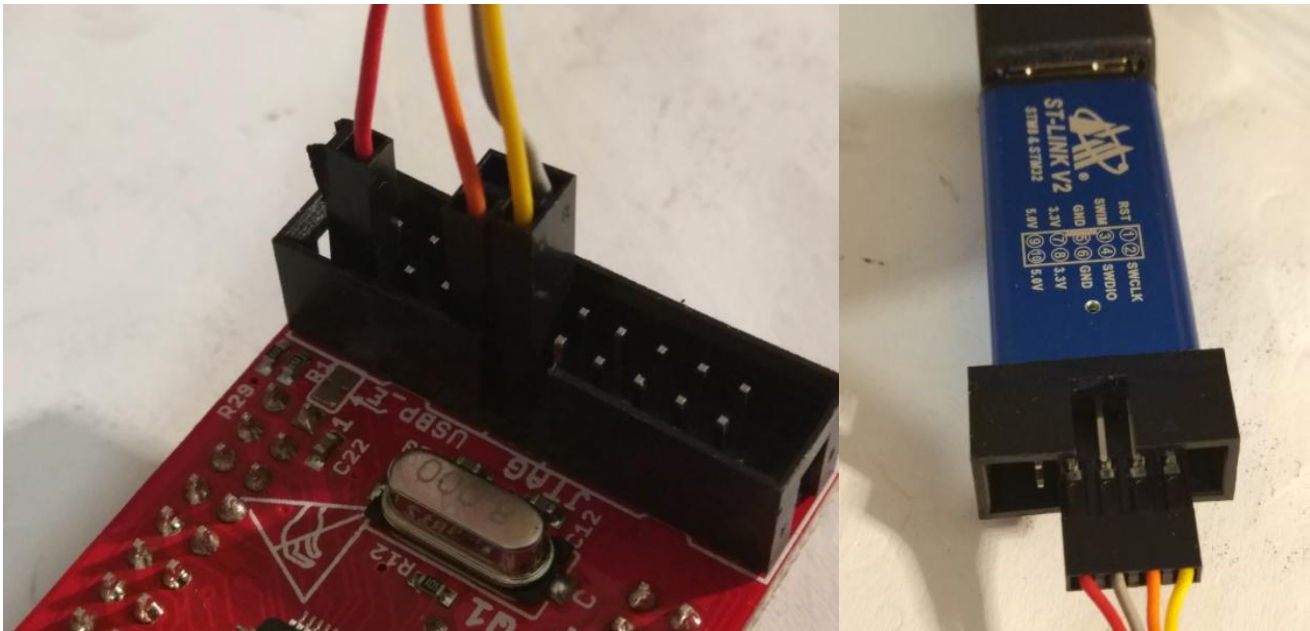
<http://www.st.com/en/development-tools/stsw-link004.html>

http://www.st.com/content/st_com/en/products/development-tools/software-development-tools/stm32-software-development-tools/stm32-utilities/stsw-link009.html

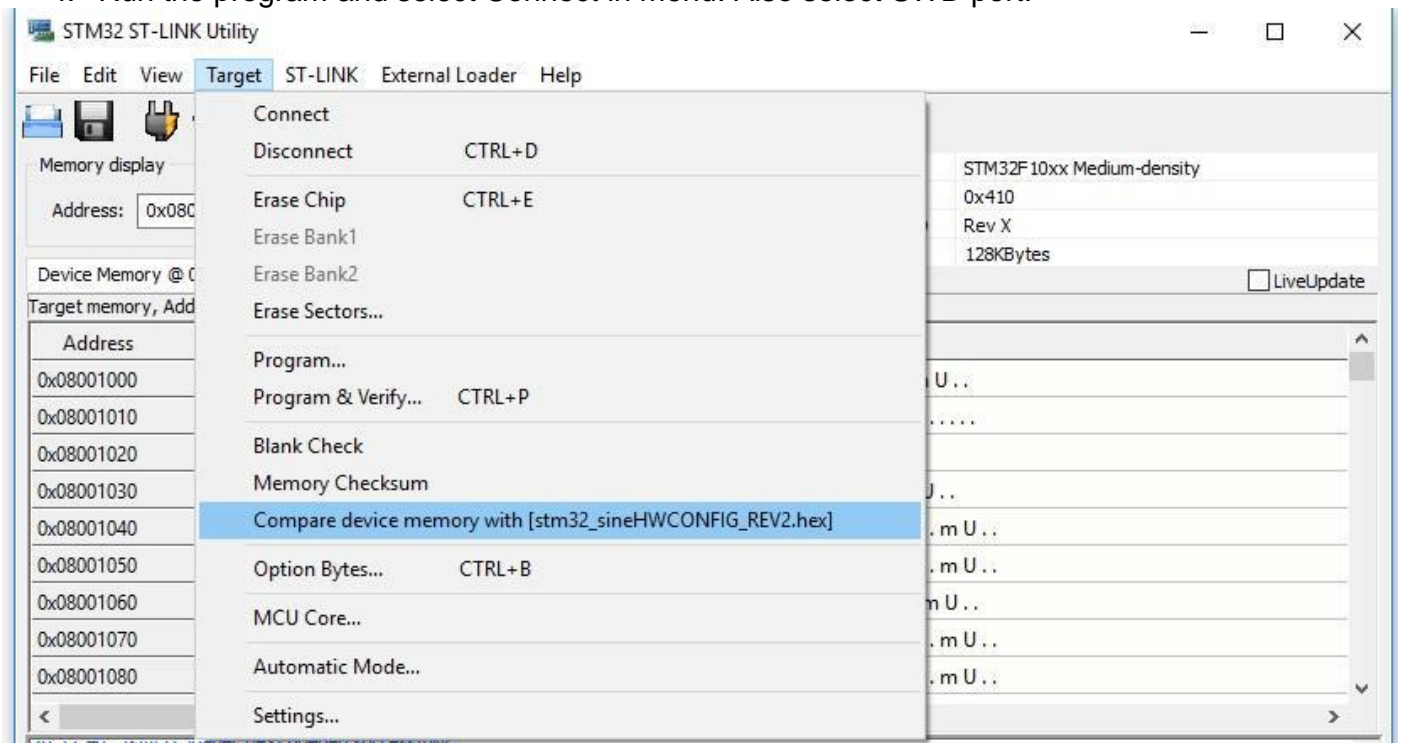
3. STlink and Olimex chip are connected according to table and picture - observe cable colour:

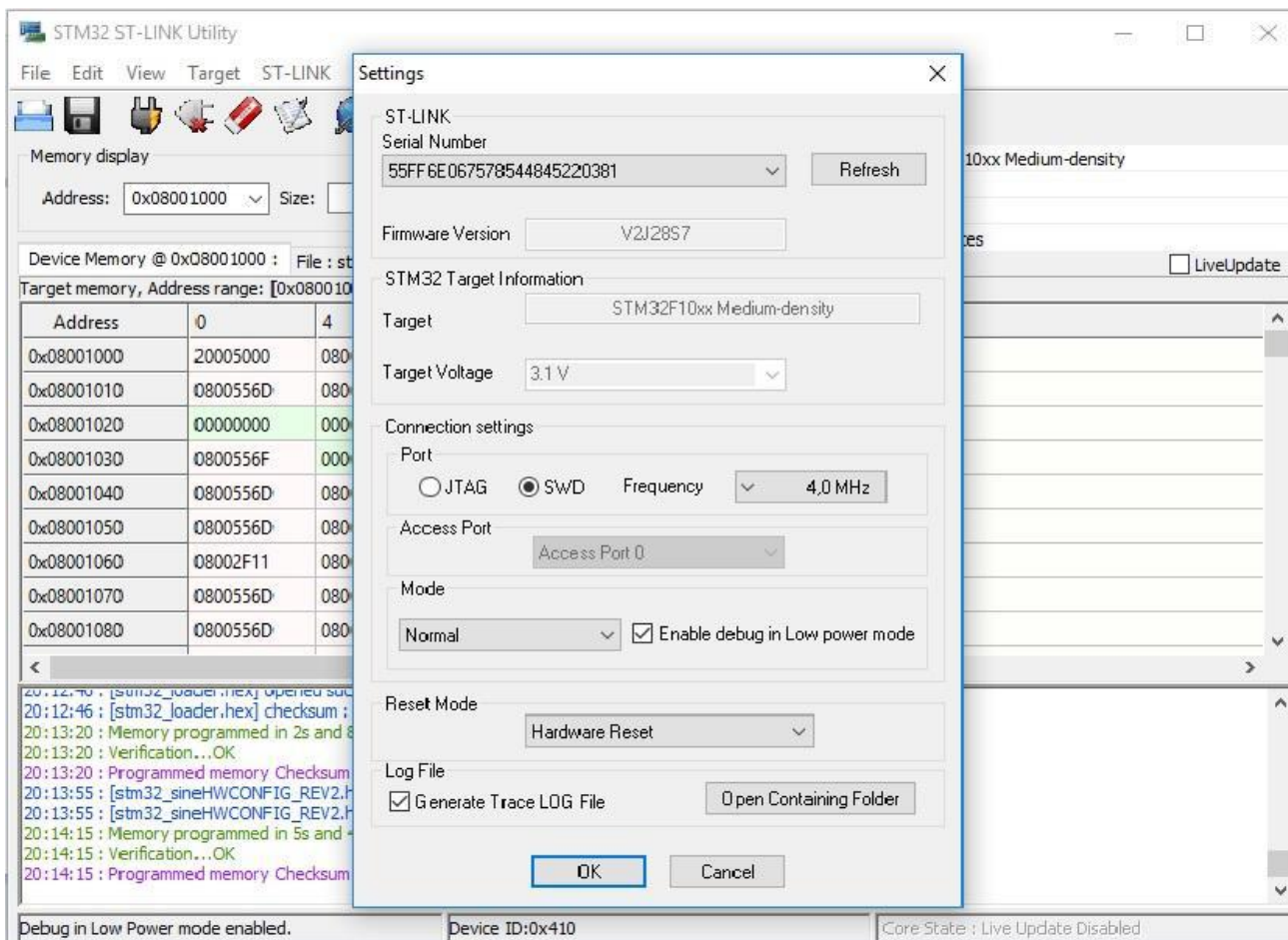
JTAG CONNECTOR PIN DESCRIPTIONS

Pin #	Signal Name	Pin #	Signal Name
1	TVCC 3.3V 3.3V	2	TVCC 3.3V
3	TRST	4	GND
5	TDI	6	GND
7	TMS SWDIO	8	GND
9	TCK SWCLK	10	GND GND
11	NC	12	GND
13	TDO	14	GND
15	RST	16	GND
17	NC	18	GND
19	NC	20	GND



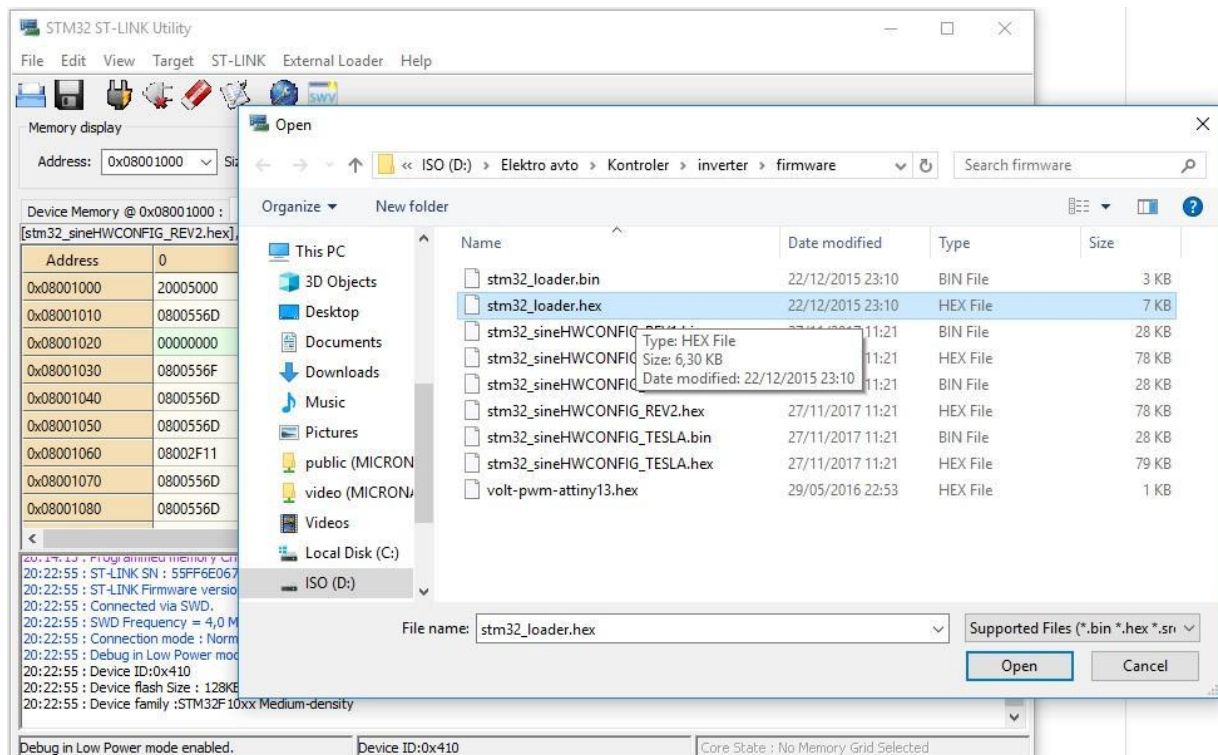
4. Run the program and select Connect in menu. Also select SWD port.



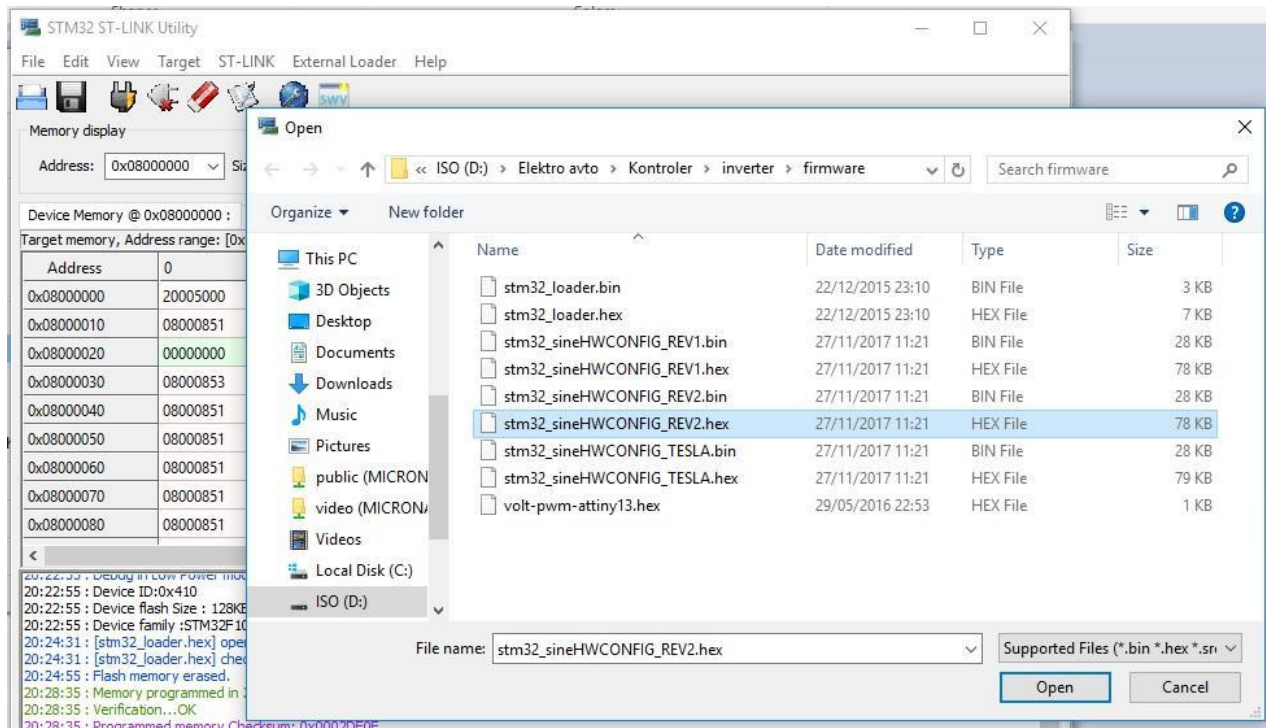


5. We erase flash by selecting option »Erase chip«!

6. We select Bootloader program to load. Best is to select .hex files. Run Start



7. We now select our software to load and run program.



8. After a successful flash Olimex LED starts to pulse

