## How to install and use the USB MSP430-JTAG/ISO/TINY/RF JTAGs

For new users who install drivers for very first time:

Plug your USB cable to MSP430-JTAG-TINY or MSP430-JTAG-ISO, plug MSP430-JTAG-RF to USB, when Windows ask you for drivers, browse to the directory where you unpacked Drivers.

First you should download drivers for your JTAG from our web page: <u>http://www.olimex.com/dev</u>

On each JTAG Documents, there is download drivers link - <u>MSP430 JTAG drivers</u> <u>Ver.1.035 - 27-OCT-2009</u>.

After you download drivers, you have to extract them. After this a folder named "output" will appear. In this folder you have folder "Drivers" - this will be the way to your drivers when you install them.

Here are some photos of drivers installation:

## Step 1:



Step 2:

Found New Hardware Wizard				
Please choose your search and installation options.				
Search for the best driver in these locations. Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.				
Search removable media (floppy, CD-ROM) Include this location in the search:				
C:\output\Drivers Browse				
O Don't search. I will choose the driver to install.				
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.				
< Back Next > Cancel				

## Step 3:

F	Found New Hardware Wizard								
	Please wa	<b>E</b>							
	¢	MSP430 JTAG Tiny							
	Hardware	Installation							
	1	The software you are installing for this hardware: MSP430 JTAG Tiny has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly	Cancel						
		contact the hardware vendor for software that has passed Windows Logo testing. Continue Anyway STOP Installation							

Step 4:



If you are old users just replace the old DLLs with the new ones.

After your drivers installation finish, open folder "output" and copy from there files: FTD2XX.dll, HIL.dll, MSP430.dll, olimex.dll and SiUSBXp.dll - Paste this "\*.dll" files in IAR MSP430 installed directory\430\bin

For updating MSP430-JTAG-RF firmware, the current at pin 4 of the JTAG should be 20 mA at least and the voltage from 2.7 V to 3.6 V. For normal work in debug mode – the voltage at pin 4 of the JTAG should be from 2 V to 3.6 V, and the current should be up to 20 mA.

Open your IAR MSP430 compiler. Open your Workspace, click with the right mouse button on your workspace and choose - Options...:

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MSP430-P2274-EV			
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Edit options for the selected item		Errors 0, Warnings 0	NUM

The following window will appear:

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Usarch	Custom Build	Setup Download Breakpoints	
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	Linker		
	FET Debugger	SoftBaugh LPT	
	Simulator		
		Olimex USB	
		Elprotronic USB-FPA	
		Spu-BiW/ire	
		C 4-Wire JTAG Settling time (in ms): 0	
		Attach to running target	
		Disable memory cache	
MSP430-P2274-EV		OK Cancel	
× Messages		File	-
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Build Find in Files   Debug Log			×
Ready		Errors 0, Warnings 0	1

In this window – choose FET Debugger – and there in connection – choose "Olimex USB" for MSP430-JTAG-TINY, MSP430-JTAG-ISO and MSP430-JTAG-RF, or "Olimex LPT" for MSP430-JTAG.

Now you are ready to use your Olimex MSP430 JTAG.

For more information see readme.txt in folder "output".