Repair procedure for ARM-USB-TINY and ARM-USB-OCD drivers

If you have messed up your ARM-USB-TINY or ARM-USB-OCD drivers installation, here is a description of how to repair it.

1. Repair procedure for ARM-USB-TINY drivers.

1.1. Uninstalling ARM-USB-TINY drivers.

First connect your programmer/debugger to your computer, open Device Manager and there uninstall the drivers for ARM-USB-TINY.

🚇 Device Manager		
File Action View Help		
Ports (COM & LPT) ARM-USB-TINY USB Serial Port (COMS Communications Port (COM1) S Communications Port (COM2) Printer Port (LPT1) Processors	Update Driver Disable Uninstall Scan for hardware changes	
Uninstalls the driver for the selected device.	Properties	
2	emoval TINY USB Serial Port (COM5) out to uninstall this device from your sy OK Can	

After you have uninstalled ARM-USB-TINY driver from Device Manager, disconnect the programmer from your computer.

Now you should download FTClean.exe from here: <u>http://www.ftdichip.com/Support/Utilities/FTClean.zip</u>

File Dov	vnload	×
Do уо	u want to open or save this file?	
	Name: FTClean.zip Type: WinRAR ZIP archive, 442 KB From: www.ftdichip.com	
	Open Save Cancel)
☑ Al <u>w</u>	ays ask before opening this type of file	
0	While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not open or save this file. <u>What's the risk?</u>	,

Press "Save" at the window above and choose the location where you will save this "*.zip" file.

Save As						? 🗙
Save in:	🚞 Install		~	0 🖉	ð 📂 🛄•	
My Recent Documents						
Desktop						
My Documents						
My Computer						
	File name:	FTClean.zip			~	Save
My Network	Save as type:	WinRAR ZIP arc	hive		~	Cancel

Download complete	
Download Complete	
Saved:	
FTClean.zip from www.ftdichip.com	
(*****************************	
Downloaded: 442 KB in 1 sec	
Download to: C:\Install\FTClean.zip	
Transfer rate: 442 KB/Sec	
Close this dialog box when download complete	s
Open Copen Fo	older Close

After download is complete extract the "*.zip" file:

🗀 Install			
File Edit View Favorites To	bls Help		alian 💐
🚱 Back 🝷 🕥 🕤 🏂 🎾	Search 🍺 Folders 🛄 🕶		
Address 🗀 C:\Install			💌 🄁 Go
	🔼 Name 🔺	Size Type	Date Modified
File and Folder Tasks Image: Comparison of the second	FTClean.zip Open Explore Explore Extract files Extract Here Extract to FTClean\ Extract to FTClean\ SVN Repo-browser Tortoise5VN Scan with BitDefender 20 Open With Send To Cut Copy Create Shortcut	KB WinRAR ZIP archive	11/3/2010 11:02 AM
Image: Weak of the second s	Delete Rename Properties		

Now open folder FTClean and run FTClean.exe:

🗁 FTClean		
File Edit View Favorites Tools Help		alia 📲
🚱 Back 🝷 🕥 👻 🏂 🔎 Search 🎼 Folders 🛄 🕇		
Address 🛅 C:\Install\FTClean		💌 🄁 Go
Name 🔺	Size Type	Date Modified
File and Folder Tasks 🔕 🗐 🍿 FTClean.exe	428 KB Application	11/12/2004 10:39 AM
Rename this file	411 KB Application	5/14/2004 3:59 PM

The following window will appear:

🌾 FTDI Clean Utility V1.0	
FTDI Chip	
VID (Hex) FTD FTDI Other	Clean System Exit
Status: Ready	

Here for VID (Hex) select "Other". And after that fill the first box with "15ba" and "PID (Hex)" with "0004", as it is shown at the screenshot below:

🐺 FTDI Clean Utility V1.0	
FTDI Chip	
VID (Hex) Other 15ba PID (Hex)	Clean System
0004	Exit
Status: Ready	

Press "Clean System" button.



Disconnect all devices using FTDI from your computer, like ARM-USB-TINY, if you haven't disconnect it before.

After that two windows for confirmation will appear – on the first press "Yes" and on the second - "No" $\,$

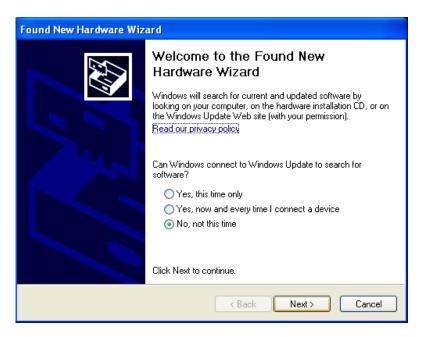


After that several "FTDI Uninstaller v3.0" windows will appear consecutively – do not press the buttons of this windows, wait until the last window has disappeared.

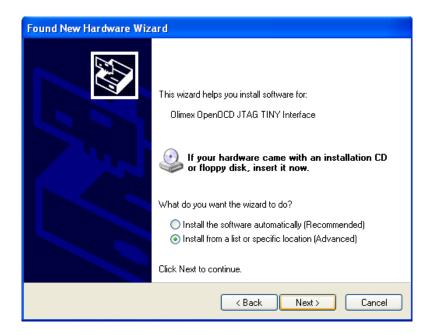
Now your computer is completely cleared form ARM-USB-TINY drivers! **1.2. Installing ARM-USB-TINY drivers.**

Connect to the computer your programmer/debugger - ARM-USB-TINY. Your computer will

automatically detect the new hardware and will run Found New Hardware Wizard:



Choose "No, not this time" and press "Next"



After you press "Next", on the window shown below, you should browse the directory of your drivers.

Found New Hardware Wizard		
Please choose your search and installation options.		
	Browse For Folder	? 🗙
• Search for the best driver in these locations.	Select the folder that contains drivers for your hardware.	
Use the check boxes below to limit or expand the default search, w paths and removable media. The best driver found will be installed. Search removable media (floppy, CD-ROM) Include this location in the search: C:/		
Choose this option to select the device driver from a list. Windows the driver you choose will be the best match for your hardware.	To view any subfolders, click a plus sign above.	ncel .::
< Back Next	t> Cancel	

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:\gccfd\DRIVERS\ARM-USB-OCD-DRIVER V 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



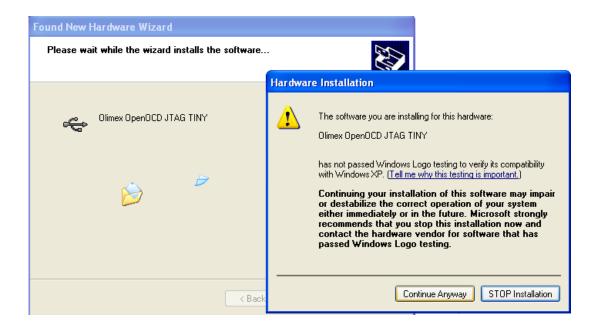
Here choose "Continue Anyway"

Found New Hardware Wiz	ard
	Completing the Found New Hardware Wizard
	The wizard has finished installing the software for:
	Olimex OpenOCD JTAG TINY Interface
	Click Finish to close the wizard.
	< Back Finish Cancel

When this window appears – press "Finish". Windows will ask you again for drivers and you should repeat the same procedure with the same drivers:



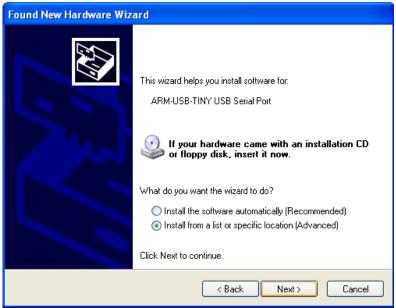
Toullu New Halluwale wize	
	This wizard helps you install software for: Olimex OpenOCD JTAG TINY
	If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do?
	 Install the software automatically (Recommended)
	 Install from a list or specific location (Advanced)
	Click Next to continue.
	< Back Next > Cancel



Found New Hardware Wizard	
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: Olimex OpenOCD JTAG TINY
	Click Finish to close the wizard.
	< Back Finish Cancel

After this Windows will ask you once again for drivers:

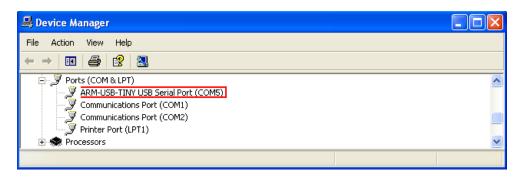








After the third installation of your drivers - check in Device Manager for your new device:



If everything is in order you are ready to use your programmer/debugger.

2. Repair procedure for ARM-USB-OCD drivers.

2.1. Uninstalling ARM-USB-OCD drivers.

First connect your programmer/debugger to your computer, open Device Manager and there uninstall the drivers for ARM-USB-OCD.

🚇 Device Manager		
File Action View Help		
← → 🗉 🖆 🚔 😤 🌫 🗙 🌡		
Ports (COM & LPT)	N.	^
Communications Port (COM1)	Update Driver Disable	
Printer Port (LPT1)	Uninstall	
E Second	Scan for hardware changes	
Uninstalls the driver for the selected device.	Properties	

Here press "OK":



After you have uninstalled ARM-USB-OCD drivers from Device Manager, disconnect the programmer from your computer.

Now you should download FTClean.exe from here: <u>http://www.ftdichip.com/Support/Utilities/FTClean.zip</u>

File Download	$\mathbf{ imes}$
Do you want to open or save this file?	
Name: FTClean.zip Type: WinRAR ZIP archive, 442 KB From: www.ftdichip.com	
<u></u> pen <u></u> Cancel ✓ Al <u>w</u> ays ask before opening this type of file]
While files from the Internet can be useful, some files can potential harm your computer. If you do not trust the source, do not open or save this file. <u>What's the risk?</u>	y

Press "Save" at the window above and choose the location where you will save this "*.zip" file.

Save As						? 🗙
Save in:	🚞 Install		~	3 🕫	• 📰 🎽	
My Recent Documents						
Desktop						
My Documents						
My Computer						
	File name:	FTClean.zip			*	Save
My Network	Save as type:	WinRAR ZIP archive			*	Cancel

Download complete
Download Complete
Saved:
FTClean.zip from www.ftdichip.com
Downloaded: 442 KB in 1 sec
Download to: C:\Install\FTClean.zip
Transfer rate: 442 KB/Sec
Close this dialog box when download completes
Open Open Folder Close

After download is complete extract the "*.zip" file:

🗀 Install		
File Edit View Favorites To	ools Help	_
🚱 Back 🝷 🕥 🕤 🏂 🍃	D Search 🎼 Folders	
Address 🗀 C:\Install	×	🔁 Go
	Name 🔺 Size Type Date Modified	
File and Folder Tasks Rename this file Move this file Copy this file Publish this file to the Web E-mail this file Delete this file 	KB WinRAR ZIP archive 11/3/2010 11:02 AM Copen Explore Extract files Extract Here Extract to FTClean\ Source SVN Scan with BitDefender 2009 Open With	
Other Places	Send To	
 Local Disk (C:) My Documents 	Cut Copy	
C Shared Documents My Computer My Network Places	Create Shortcut Delete Rename	
	Properties	

Now open folder FTClean and run FTClean.exe:

🗁 FTClean		
File Edit View Favorites Tools Help		💏 -
🕞 Back 👻 🕥 👻 🏂 Search 🎼 Folders 🛄 🔹		
Address 🛅 C:\Install\FTClean		💌 🄁 Go
Name A	Size Type	Date Modified
File and Folder Tasks 🔕 🗐 🎢 FTClean.exe	428 KB Application	11/12/2004 10:39 AM
Rename this file	411 KB Application	5/14/2004 3:59 PM

The following window will appear:

🗊 FTDI Clean Utility V1.0	
FTDI Chip	
VID (Hex) FTDI FTDI Other	Clean System
Status: Ready	Exit

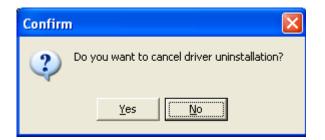


Here for VID (Hex) select "Other". And after that fill the first box with "15ba" and "PID (Hex)" with "0003", as it is shown at the screenshot below: Press "Clean System" button.



Disconnect all devices using FTDI from your computer, like ARM-USB-OCD. After that two windows for confirmation will appear – on the first press "Yes" and on the second -"No"

Confir	m 🔀
2	You are about to uninstall all FTDI drivers for VID 0x15ba and PID 0x0003. Do you want to continue?
	<u>Y</u> es <u>N</u> o



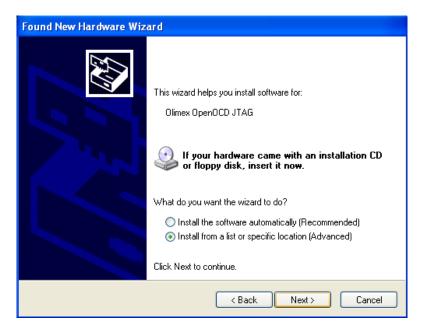
After that several "FTDI Uninstaller v3.0" windows will appear consecutively – do not press the buttons of this windows, wait until the last window has disappeared.

Now your computer is completely cleared form ARM-USB-OCD drivers!

2.2. Installing ARM-USB-OCD drivers.

Connect to the computer your programmer/debugger – ARM-USB-OCD. Your computer will automatically detect the new hardware and will run Found New Hardware Wizard:

Choose "No, not this time" and press "Next"



After you've pressed "Next", on the window shown below, you should browse the directory of your drivers:

Found New Hardware Wizard		
Please choose your search and installation options.		
	Browse For Folder	
Search for the best driver in these locations. Use the check boxes below to limit or expand the default search, w paths and removable media. The best driver found will be installed.		_
 Search removable media (floppy, CD-RDM) ✓ Include this location in the search: C:/ ✓ Don't search. I will choose the driver to install. 	 Local Disk (C:) Documents and Settings gcfd DRIVER5 ARM-USB-OCD-DRIVER amd64 1386 	
Choose this option to select the device driver from a list. Windows the driver you choose will be the best match for your hardware.		
K Back Next	Cancel	

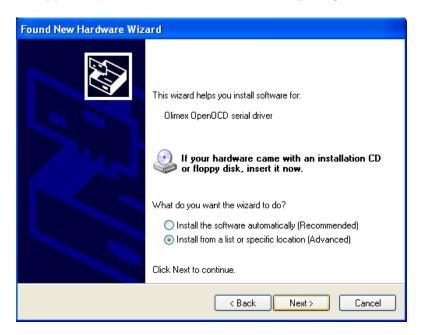
C:\gccfd\DRIVERS\ARM-USB-OCD-DRIVER

Found New Hardware Wizard	
Please wait while the wizard installs the software.	
	Hardware Installation
Olimex OpenOCD JTAG Interface	The software you are installing for this hardware: Olimex OpenOCD JTAG Interface
i kan sa	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 recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
< Bac	Continue Anyway STOP Installation

Here press "Continue Anyway"

Found New Hardware Wizard	
	Completing the Found New Hardware Wizard
	The wizard has finished installing the software for:
	Olimex OpenOCD JTAG Interface
	Click Finish to close the wizard.
	< Back Finish Cancel

When this window appears - press "Finish". Windows will ask you again for drivers:

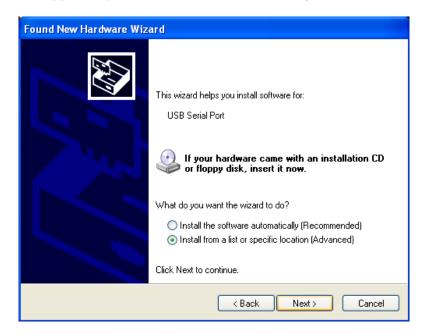


ound New Hardware Wizard	
Please choose your search	h and installation options.
 Search for the best drive 	er in these locations.
	elow to limit or expand the default search, which includes local edia. The best driver found will be installed.
📃 Search removable	e media (floppy, CD-ROM)
🔽 Include this locati	ion in the search:
C:\gccfd\DRIVE	RS\ARM-USB-OCD-DRIVER 🔽 Browse
🔵 Don't search. I will choo	ise the driver to install.
	lect the device driver from a list. Windows does not guarantee that ill be the best match for your hardware.
the driver you choose wi	in be the best matern of your hardware.
	<pre></pre>

Found New Hardware Wizard	Hardware Installation
Please wait while the wizard installs the soft	
	Continue Anyway STOP Installation
	< Back Next > Cancel

Found New Hardware Wizard		
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: Olimex OpenOCD serial driver	
	< Back Finish Cancel	

When this window appears – press "Finish". Windows will ask you third time for drivers:



ound New H	ound New Hardware Wizard		
Please cho	ose your search and installation options.		
💿 Searc	h for the best driver in these locations.		
	ne check boxes below to limit or expand the default search, which includes local and removable media. The best driver found will be installed.		
	Search removable media (floppy, CD-ROM)		
	Include this location in the search:		
	C:lgccfd\DRIVERS\ARM-USB-OCD-DRIVER V Browse		
🔘 Don't	search. I will choose the driver to install.		
	e this option to select the device driver from a list. Windows does not guarantee that iver you choose will be the best match for your hardware.		
	< Back Next > Cancel		

Found New Hardware Wizard	
Please wait while the wizard installs the software	
	Hardware Installation
ARM-USB-OCD USB Serial Port	The software you are installing for this hardware: ARM-USB-OCD USB Serial Port has not passed Windows Logo testing to verify its compatibility
i i i i i i i i i i i i i i i i i i i	with Windows XP. (<u>Tell me why this testing is important.</u>) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway STOP Installation
< Back	Next > Cancel

Here press "Continue Anyway".

At the next window press "Finish":

Found New Hardware Wiz	ard
	Completing the Found New Hardware Wizard
	The wizard has finished installing the software for:
	ARM-USB-OCD USB Serial Port
	Click Finish to close the wizard.
	< Back Finish Cancel

After your driver installation has finished. Check in Device Manager for your new device:

📇 Device Manager	
File Action View Help	
Ports (COM & LPT) ARM-USB-OCD USB Serial Port (COM4) Communications Port (COM1) Communications Port (COM2) Printer Port (LPT1) Processors	

If everything is in order you are ready to use your programmer/debugger.