

Acknowledgement: The guide below comes from a very helpful Australian forum which is accessible after registration details have been provided and accepted. Go to: <http://www.lcool.org/forum/index.php>
The link for the original article below is as follows – further discussion also is found here:
<http://www.lcool.org/forum/viewtopic.php?t=46188&highlight=techstream>



Techstream, Win10 64bit, and MiniVCI - Detailed How To Guide

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Author	Message
XesyCool  Joined: 14 Aug 2017 Posts: 133 Location: Cairns, QLD	<p>Posted: Tue Jan 23, 2018 10:23 am Post subject: Techstream, Win10 64bit, and MiniVCI - Detailed How To Guide </p> <p>It Works - https://i.imgur.com/NwEgDtj.png</p> <p>This guide implies:</p> <ol style="list-style-type: none">1) You know what you're doing around computers and have the basic necessary skills to create directories, copy files, and import registry keys.2) You download the file linked below (or have a Mini-VCI CD with the contents roughly matching the included files)3) Your Techstream version doesn't matter as far as I can tell, I'm using V12 (google for tons of links, I won't link here).4) Windows 10, 64bit (other 64 bit versions, 7, 8, etc should all work too)5) Tested on Mini-VCI cable J2534 with firmware 1.4.1 (should also work on newer cables too) <p>https://mega.nz/#!1XgkwISa!aQLGySyKVrdKzZia354D0PsJOCJQ_VsocwVYGlj65yk</p> <p>Grab the file above, it contains the necessary Mini-VCI 64 bit files. Make sure you copy and paste the entire line as the forum here doesn't parse the URL correctly.</p> <p>For your own safety, feel free to verify the file is safe from viruses using https://www.virustotal.com/ or any other of the various online virus testing tools. You shouldn't take my word for it, so ensure they're safe on your own.</p>

When you extract the file it will contain the following contents.

Code:

```
FirmwareUpdateTool.exe
IT3System.ini
IT3UserCustom.ini
mvci-x64.reg
MVCI32.dll

- ftdibus
  - ftdibus.cat
  - ftdibus.inf
    - amd64
      - ftbusui.dll
      - ftd2xx64.dll
      - ftdibus.sys
      - FTLang.Dll
    - i386
      - ftbusui.dll
      - ftd2xx.dll
      - ftdibus.sys
      - FTLang.Dll

- ftdiport
  - ftdiport.cat
  - ftdiport.inf
    - amd64
      - ftcserco.dll
      - ftser2k.sys
      - ftserui2.dll
    - i386
      - ftcserco.dll
      - ftser2k.sys
      - ftserui2.dll
```

All right, let's get to it.

1) Create some new folders under your C:\Program Files (x86) folder and copy some files there.

C:\Program Files (x86)\XHorse Electronics

then

C:\Program Files (x86)\XHorse Electronics\MVCI Driver for TOYOTA TIS

2) Copy the files FirmwareUpdateTool and MVCI32.dll from the linked ZIP file to the "MVCI Driver for TOYOTA TIS" folder.

It should look like this - <https://i.imgur.com/oaXBc50.png>

I've found that every time I've installed the VCI drivers from the MSI file, it never created those folders, and put those two files in there. That's one of the key steps to getting this working. If those files aren't in those folders, then **Techstream** won't work with 64bit Windows and the Mini VCI cable. In fact, if you've done everything else on your 64bit system, check this first, and if those files aren't in that folder try doing this step and test **Techstream**, it may just work. Refer to the section at the bottom of this post with details on what to look for in **Techstream** to see if it's worked or not.

Now, my version of Windows (Win 10 Creators Update - 1709) detected and loaded the drivers for the Mini VCI cable automatically. I've found that these drivers don't always work, so I manually installed the drivers supplied in the ZIP linked above. To install them and enable them on your devices you do the following:

- 1) Under the ftdibus folder, right click the ftdibus.inf file and click install, and accept any warnings that appear.
- 2) Under the ftdiport folder, right click the ftdiport.inf file and click install, again accept any warnings that appear.

Get those out of the way before moving onto the next section.

- 1) Plug in your Mini-VCI cable and wait for windows to recognise it and load the drivers.
- 2) Open the device manager (Win Key+X then select Device Manager) and open the node "Ports (COM & LPT)" and double click the "USB Serial Port (COM?)" device, and then go to the "Driver" tab.
- 3) Refer to this image - <https://i.imgur.com/AEKhz3g.png> - if the driver version is 2.6.0.0 then you don't need to change anything, otherwise go to the next step.
- 4) If the driver version isn't 2.6.0.0 then click on the "Update Driver" button.
- 5) Next click "Browse my computer for driver software"
- 6) Next click "Let me pick from a list of available drivers on my computer"
- 7) It should list two drivers, - <https://i.imgur.com/17FtlX6.png> - the one Windows likes (2.12.28.0) and the one installed manually in step 2 which is 2.6.0.0. Select the driver version 2.6.0.0 and click "Next" wait for the drivers to install then close that window. It should now display the driver version as 2.6.0.0 as installed.

Now, it's time to do the same with the USB Serial Converter device. So keep that MiniVCI cable plugged in.

- 1) With the device manager open, expand the "Universal Serial Bus controllers" node.
- 2) Double click the "USB Serial Converter" device and go to the "Driver" tab.
- 3) Following the same process in the previous section, check for and change if necessary the driver to version 2.6.0.0. It's the same process, just replace the device name appropriately.
- 4) Once both the Port and Converter are on 2.6.0.0 you can now go back to the FirmwareUpdateTool.exe file that you copied and open it, once open click the "Device Info" button and it should say it's connected, and return the firmware version of the cable - <https://i.imgur.com/aVDbyWb.png>

That's the Mini VCI cable taken care of.

Now, you need to import the mvci-x64.reg file included in the ZIP. Without this imported, **Techstream** won't know how to load the necessary files for the MiniVCI cable, namely the MSCI32.dll done in the first section. So simply double click it, and import it when prompted. It's that easy.

It's implied you already have **Techstream** installed and licensed, this guide won't cover that step (there's tons of guides out there that cover it if you need it). You may also need the IT3 ini files in the zip for your **Techstream**. They go in the ENV folder inside the **Techstream** install folder.

Now, you should be safe to open **Techstream** and verify operation. So with the MiniVCI cable still plugged in, open **Techstream**.

- 1) Go to "Setup" then "VIM Select". It should open with the Interface setup of "XHorse - MSCI"
- 2) Refer to this image - <https://i.imgur.com/93TMK7F.png> - at the bottom, with

the arrow, **Techstream** should show "VIM - Xhorse - MVCI J2534 DLL v1.4.7" (dll version may differ if you used your own files) the key is, if you get this far and it's not just saying "VIM - Xhorse - MVCI" (which happens when you open **Techstream** without the MiniVCI cable plugged in) then you should be right to connect to the car. So turn on the ignition and connect.

3) If it has all gone well, then you should be presented with a progress window - <https://i.imgur.com/Moj7ZOn.png> - and if you get this far then **Techstream** is talking to the MiniVCI cable on your 64bit Windows.

That's it all done, have fun.

Michael

'13 GXL: Armax Snorkel, 30µm Pre, MSA Drawers, iCom 450 (so far).