

Windows 7 USB Driver Installation

NTS 01 and TTM 01

The following instructions are a guide on how to install the USB driver for the NTS 01 or TTM 01 on the Windows 7 operating system. Please ensure that you have administrative rights on your PC before attempting the installation.

1. Driver Download

- 1.1 Use the link below to navigate to the Silicon Labs driver download page.
<http://www.silabs.com/products/mcu/Pages/USBtoUARTBridgeVCPDrivers.aspx>
- 1.2 Click the link on the Silicon Labs driver download page to download the Windows 7 Driver. (At the time of writing this guide the Windows 7 driver was called Download for Windows XP/Server 2003/Vista/7/8/8.1 (v6.6.1))

The screenshot shows the Silicon Labs website interface. At the top, there is a navigation bar with links for Careers, News, Investor Relations, and language options (Simplified Chinese, Traditional Chinese, Japanese). Below this is a secondary navigation bar with links for Products, Applications, Support, and Buy or Sample, along with a search bar and a 'More' dropdown. The main content area is titled 'CP210x USB to UART Bridge VCP Drivers' and includes a description of the drivers and a link to 'AN197: The Serial Communications Guide for the CP210x'. A 'Download Software' section explains that the Manufacturing DLL and Runtime DLL have been updated and must be used with v6.0 and later of the CP210x Windows VCP Driver. Below this is a 'Download for Windows XP/Server 2003/Vista/7/8/8.1 (v6.6.1)' section with a table of software downloads. The table has three columns: Platform, Software, and Release Notes. The first row shows 'Windows XP/Server 2003 Vista/7/8/8.1' in the Platform column, 'Download VCP (3.49 MB)' in the Software column (highlighted with a red box), and 'Download VCP Revision History' in the Release Notes column. On the right side of the page, there is a sidebar with links for 'Find Products Fast', 'Get Support & Tools', and 'Need Help?'. The 'Need Help?' section includes a 'Contact Support' link.

Platform	Software	Release Notes
Windows XP/Server 2003 Vista/7/8/8.1	Download VCP (3.49 MB)	Download VCP Revision History

Figure 1. Silicon Labs Driver Download Website

2. Driver Installation

- 2.1 Extract the downloaded zip file to a folder on your PC.
- 2.2 **Windows 7 32 bit (standard):** Run the driver installation executable 'CP210xVCPInstaller_x86.exe' and follow the onscreen prompts.
- 2.3 **Windows 7 64 bit:** Run the driver installation executable 'CP210xVCPInstaller_x64.exe' and follow the onscreen prompts.



Figure 2. Press Next on the Welcome screen

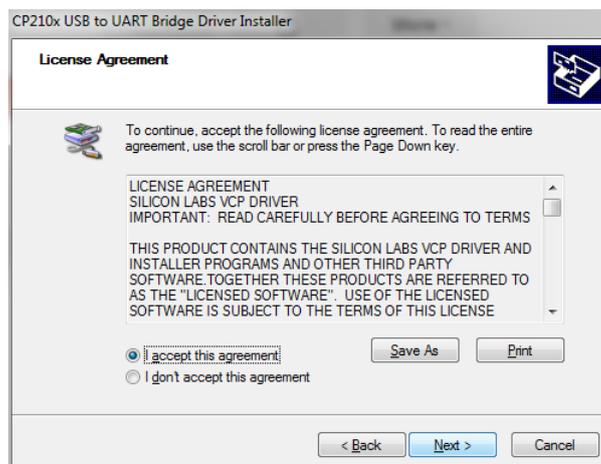


Figure 3. Accept the terms and conditions and press Next

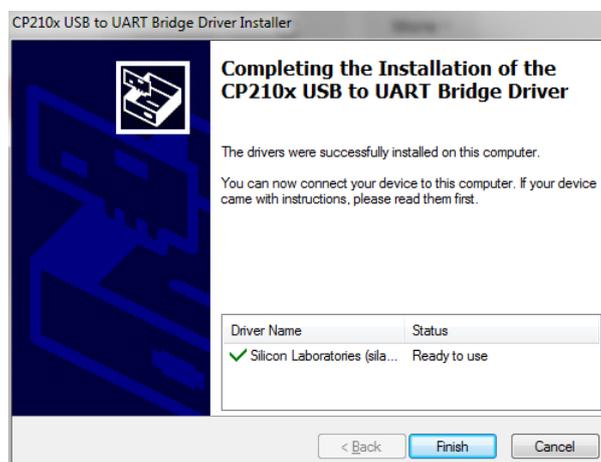


Figure 4. Once the installation is complete press Finish

3. Direct the NTS 01 / TTM 01 to use the new driver

3.1 Connect the NTS 01 / TTM 01 to the computer using a USB cable

3.2 To open the System Information window, open the Start menu, right click on Computer, and select Properties

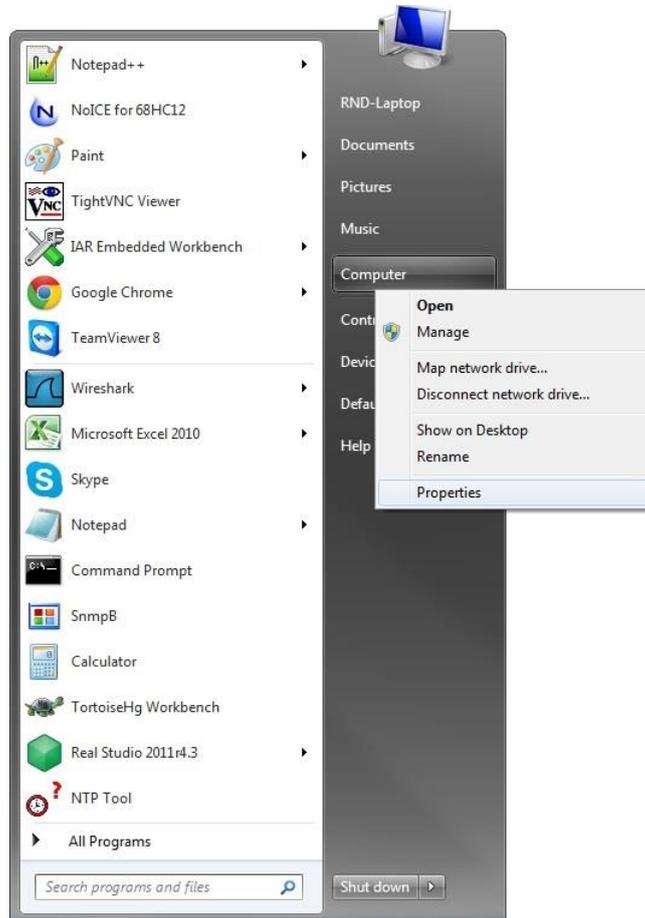


Figure 5. Opening the System Information Window

3.3 Click on the 'Device Manager' link in the top left of the System Information window



Figure 6. The System Information Window

- 3.4** Right click on 'NTS01 Tekron Time Server' (or 'TTM01 Tekron Time Server') located under 'Other devices'. Select 'Update Driver Software...'

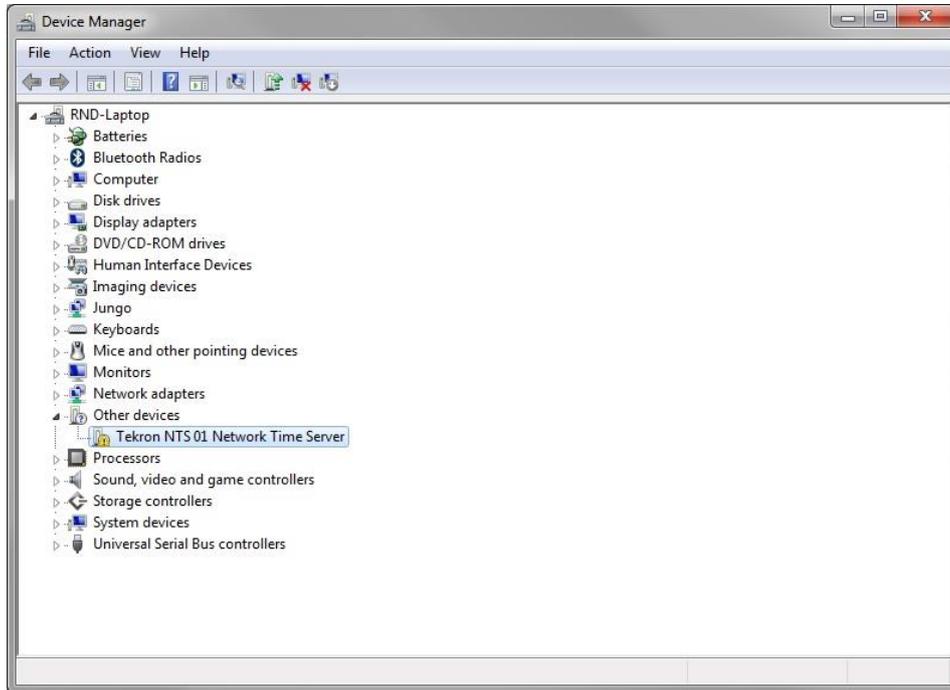


Figure 7. Device Manager Window

- 3.5** Select 'Browse my computer for driver software'

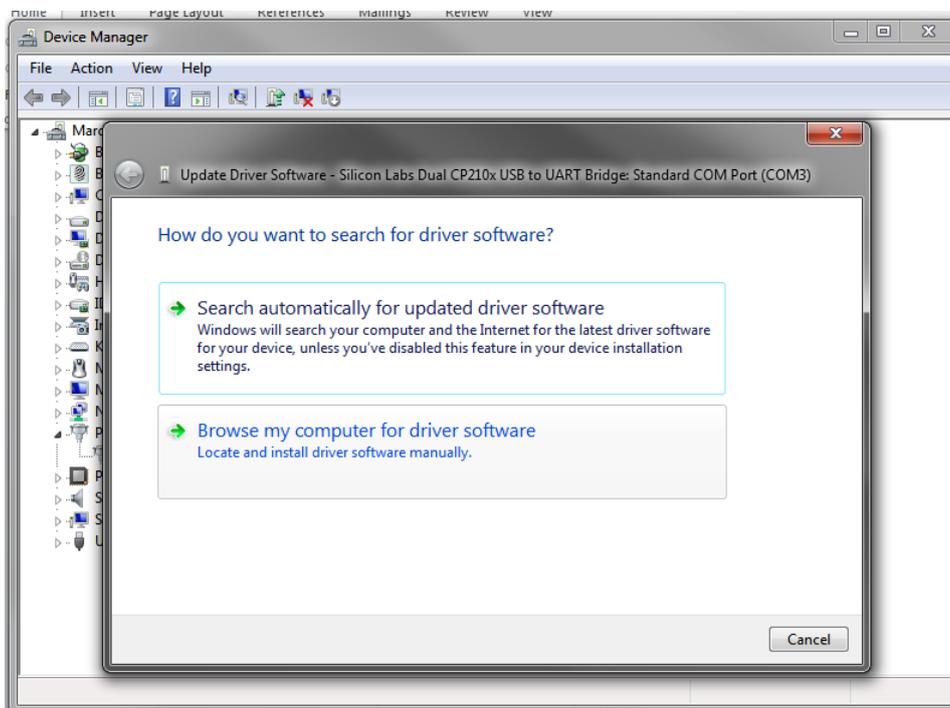


Figure 8. Select browse

3.6 Select 'Let me pick from a list of device drivers on my computer'

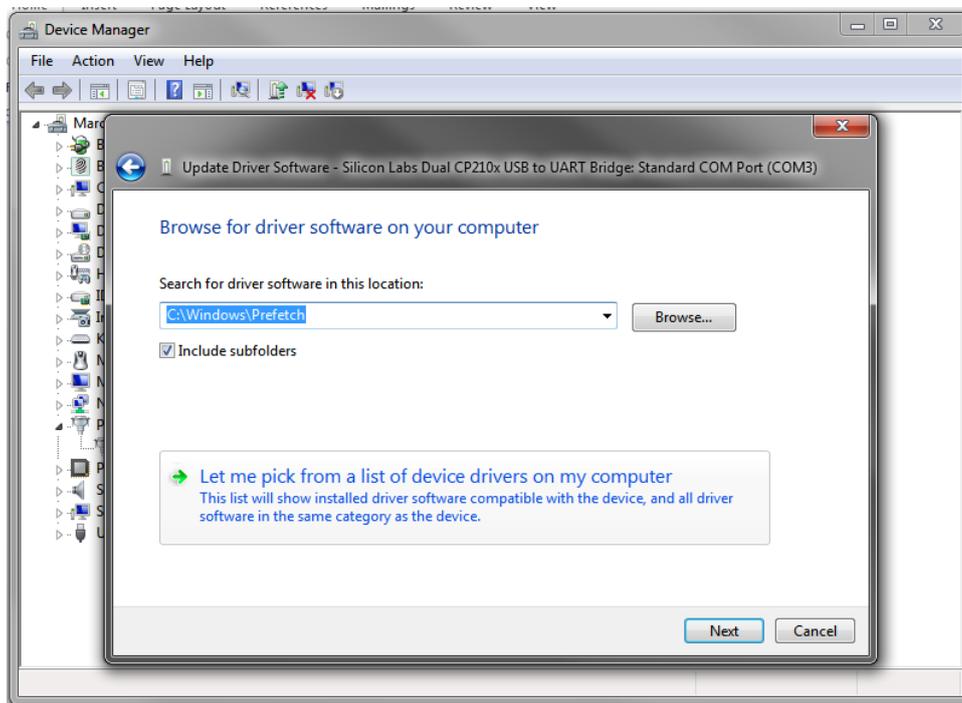


Figure 9. Select pick from list

3.7 Select the manufacturer Silicon Laboratories and the model 'Silicon Labs Dual CP210x USB to UART Bridge: Enhanced COM'

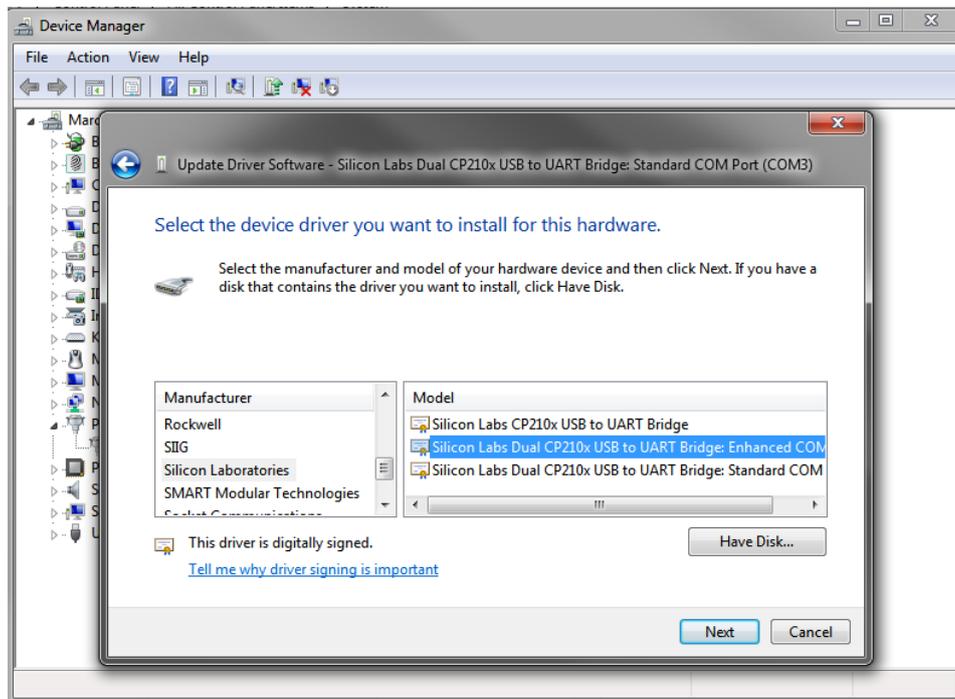


Figure 10. Choose Silicon Laboratories Driver

3.8 Click 'Next' to use this driver

4. Run the Configuration Tool

4.1 Download the latest configuration software from the Tekron website (www.Tekron.com).

4.1.1 Login to the website (Contact Tekron if you do not have a user name and password)

4.1.2 NTS 01: Select the NTS01 from the Industries and Products menu at the top of the page. Select the Resources tab and download the USB Configuration Tool.

4.1.3 TTM 01: Select the Legacy Products from the Industries and Products menu at the top of the page. Download the Configuration Software listed under TTM 01

4.2 Extract the downloaded USB Configuration Tool to a folder on your computer.

4.3 Right click on the USB Configuration Tool and select 'Properties'.

4.4 In the Properties Window navigate to the Compatibility tab. Select the option to 'Run in compatibility mode for:' and choose Windows XP (Service Pack 3).

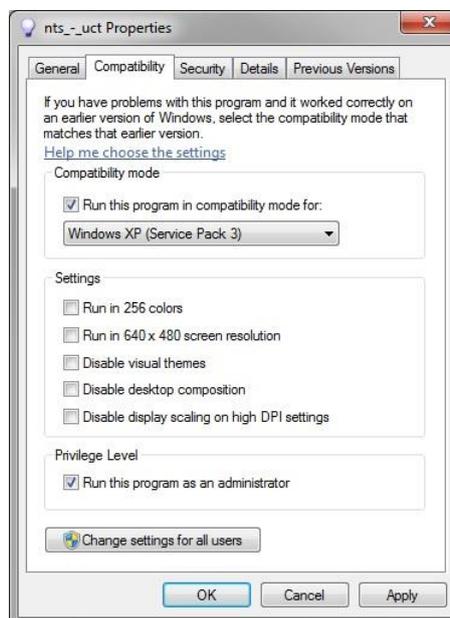


Figure 11. USB Configuration Tool Properties

4.5 Run the USB Configuration Tool