TEDIA USB DAQ modules
Windows driver installation

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1. Introduction

This manual is intended to guide the reader through the process of installing, updating and uninstalling the USB DAQ modules system driver for the Microsoft Windows operating systems.

Current driver version: 2.12.28

Supported operating systems:
- Windows 7, Windows 7 x64
- Windows 8.x, Windows 8.x x64
- Windows 10, Windows 10 x64
- Windows Server 2008-R2
- Windows Server 2012
- Windows Server 2012-R2

Supported USB DAQ modules:
- all standard UDAQ series modules
- several special custom devices

Note: 1) *Some types of modules contain a dual controller or two controllers, so the driver must be installed twice.*
2) *Adding new modules does not affect the function of the driver or the installation procedure.*

The driver installation package contains only the driver itself, the documentation for installing, updating and uninstalling the driver (ie. this document) are not installed together with the driver. Programmer support (User Guide describing the driver interface, header files, etc.) is available completely separately.

For the latest information on drivers and USB DAQ modules, visit https://www.tedia.eu.

Note: *The system driver is necessary for the function of USB DAQ modules in the Microsoft Windows, however, various programs may require the installation of additional drivers that provide a higher API levels. These additional drivers are installed separately.*

2. Driver Installation

This chapter describes the installation process of the system driver for Windows 7/8.x/10 and also Windows Server 2008-R2/2012/2012-R2. We recommend you to review the entire process in detail before beginning the installation. The screenshots were captured in Windows 10, in other systems the installation process is analogous.

1) Firstly, turn on the PC, log in as a user with administrator privileges.

2) Connect your module to a spare USB port on your PC.

3) Run the Device Manager utility.

4) In the Device Manager window, there will be a device under Other Devices with a yellow warning symbol (see Fig. 1.) to indicate a problem „no driver installed".
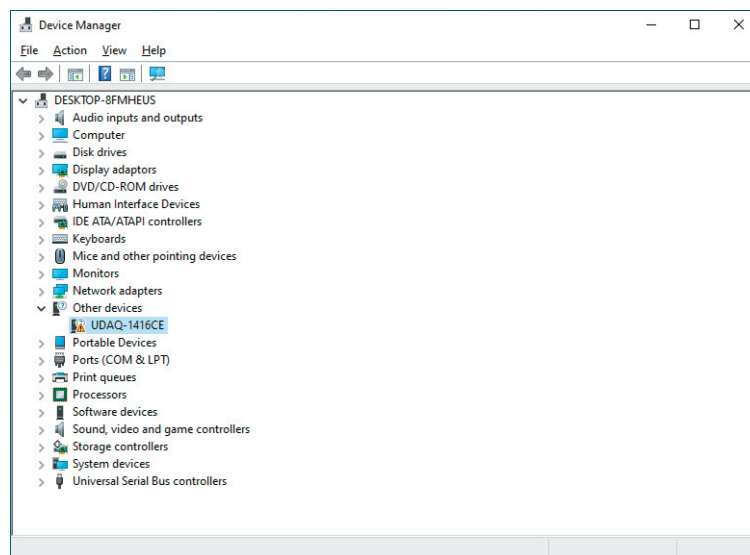

Fig. 1. Device Manager - the device without driver installed.

5) Right click on the device without installed driver to bring up a menu as shown in Fig. 2. and select „Update driver" option.
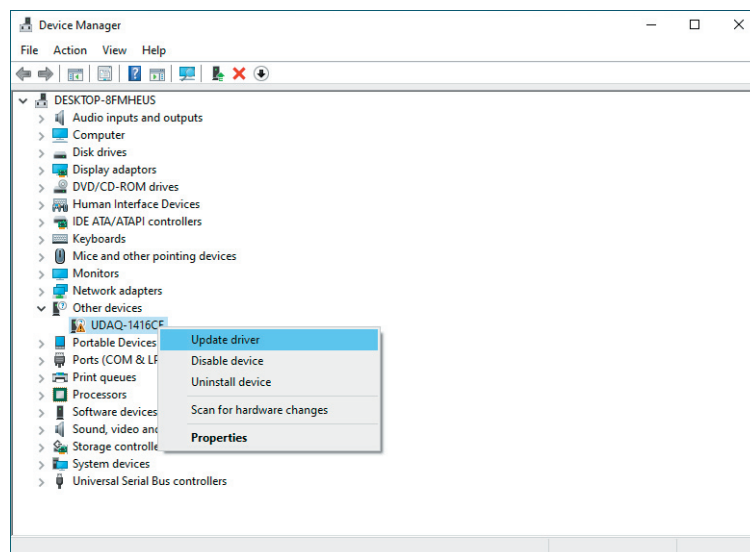

Fig. 2. Device Manager - the process of updating drivers.

6) This then displays the option for an automatic search or a manual search. Select the second option to browse manually (see Fig. 3.).
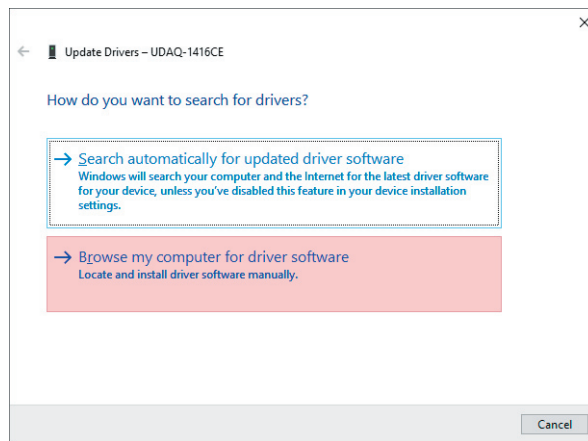

Fig. 3. Driver update process.

7) Use the „Browse" option and select the folder containing the files with the appropriate driver. It is really important to select the folder with the driver for your operating system. After selecting a location use the button „Next" (see Fig. 4.).
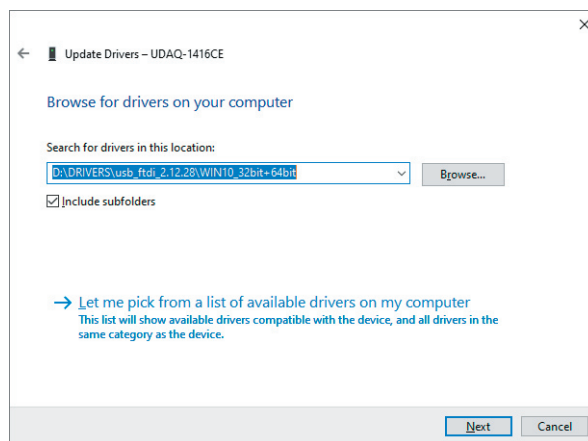

Fig. 4. Choosing a folder with driver files.

8) Depending on version of Windows, you may be asked if you trust TEDIA software (see Fig. 5). Confirm with „Install" button.
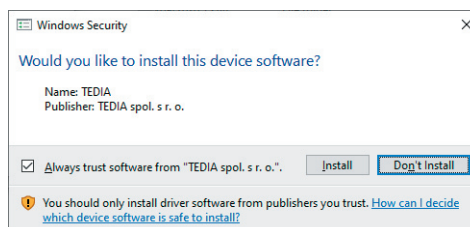

Fig. 5. Driver publisher verification.

Note: *This prompt appears if the driver is signed only with a TEDIA digital signature.
The driver for Windows 10 contains a Microsoft digital signature in addition to the TEDIA signature, and the query should not be displayed (ie. this step of the procedure is skipped); therefore, if this query appears, verify correct path to the Windows 10 driver files folder.*

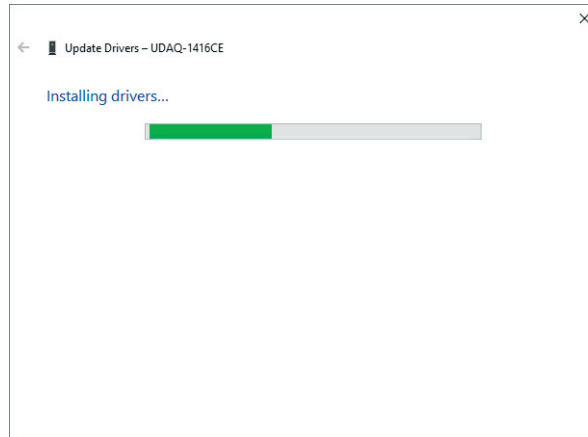9) In the next step, the driver will be installed (see Fig. 6.).

Fig. 6. Driver update process.

10) A message about successful driver installation will be displayed (see Fig. 7.). Close this window.
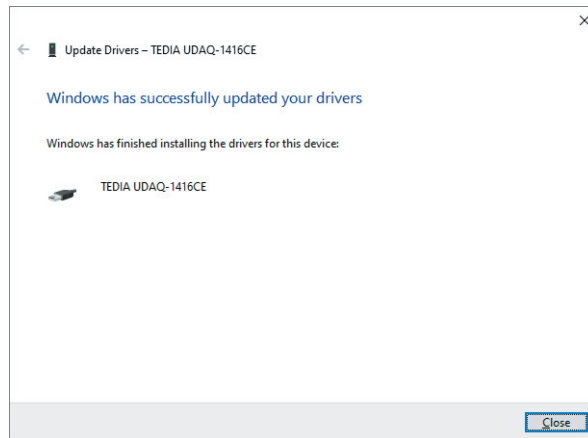

Fig. 7. Successfully installed driver.

11) Go back to the Device Manager. The „Universal Serial Bus controllers" section now shows the device with the successfully installed driver (see Fig. 8.).
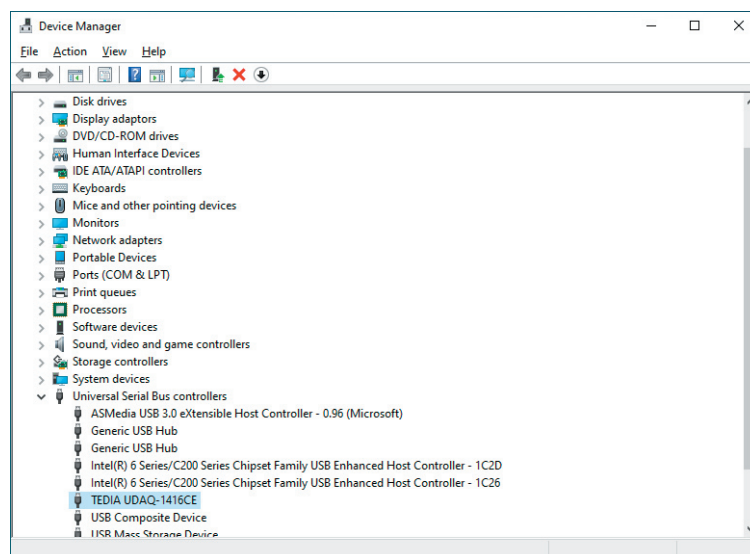

Fig. 8. Successfully installed driver in Device Manager.

12) Some types of modules contain a dual controller or two controllers; one module appears in the system as two independent USB devices, so the procedure described in steps 4) through 11) must be repeated. For initial state before installation and final state after installation of both devices see Fig. 9. The same procedure should be performed if the driver is installed for multiple modules at the same time.

Fig. 9. The USB DAQ module with dual controller in Device Manager.

3. Driver Updating

This chapter describes the update process of the system driver of TEDIA USB DAQ modules. The procedure is analogous in all supported versions of Windows.

There are two ways how to update the driver. The first option is to uninstall the current driver and install the new driver (see the description in the next and previous chapter), the second and easier option is to use the „Update driver" menu in the Device Manager (see Fig. 10.).
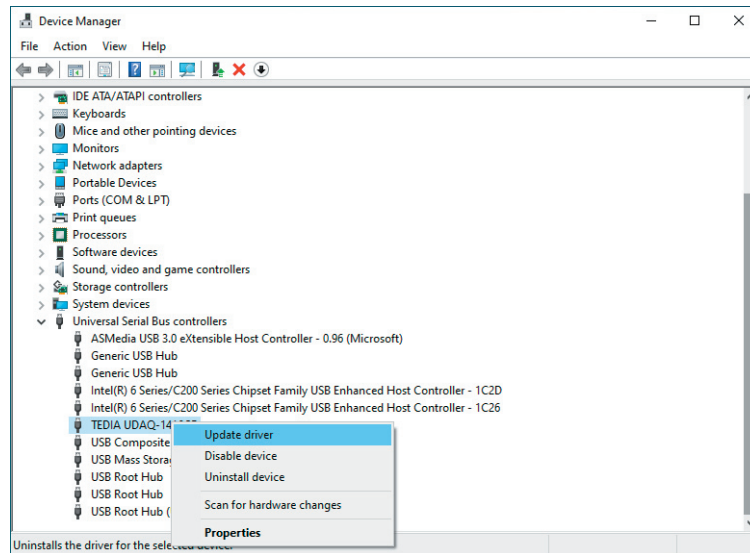

Fig. 10. Driver update in Device Manager.

The update procedure is completely analogous to the driver installation procedure described in the previous chapter.

If more than one module or dual controller module is installed in the computer, it is strongly recommended to update the driver for all devices displayed in Device Manager.

4. Driver Uninstallation

This chapter describes the uninstallation process of the system driver of TEDIA USB DAQ modules. The procedure is analogous in all supported versions of Windows.

1) Connect your module to a spare USB port on your PC. Run the Device Manager utility, select the module you want to uninstall, right-click and select „Uninstall" option (see Fig. 11.).
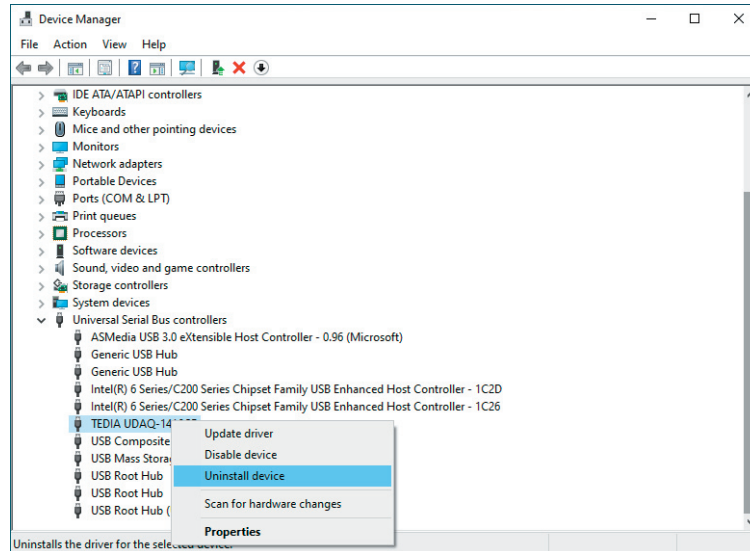

Fig. 11. Driver uninstallation in Device Manager..

In the case of dual controller module it is necessary to perform an uninstall procedure for both devices one after the other.

2) A window „Uninstall Device" appears (see Fig. 12.). Select „Delete the driver software for this device" if you want to completely uninstall the driver of TEDIA USB DAQ modules. If you do not check this option, only records to the selected module will be removed from the Windows registry. Then select „Uninstall".
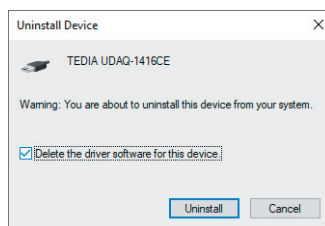

Fig. 12. Remove the device driver from the computer.

3) Disconnect the module from the computer. The driver is now uninstalled.

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