TDC Driver Software Installation Manual





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User Manual for the TDC Driver Software Installation Manual Version 2.3 Printed on 2020-02-18



Driver & Software Installation



This installation routine describes the installation of the Surface Concept TDC Device Driver and Software for Windows 7, 8.1, 10 (64bit) operation system. Please contact Surface Concept in case that you need support for any other Windows



Please install the driver and software first and then switch on the TDC.

- The device driver and software can be found on a storage medium (USB stick, CD etc.) which is part of the delivery of the device itself.
- Connect the storage medium to your PC.

operation system.

- The installer file can either be found in the main folder of the storage medium or in a sub-folder named "device driver", depending on the specific installer layout (which comes either as a single complete installer package for device driver, software, documentation etc. or only for the device driver with separate folders for software, documentation etc.
- Execute the installer file manually to start the driver/ software installation.

USB-Laufwerk (G:)	^	Name
SC-TDC-1000 D Series_13112D819002		Surface Concept TDC Installer.exe
✓ ■ USB-Laufwerk (G:)	^	Name
 SC-TDC-1000 D Series_13112D819001 		Surface Concept_TDC_USB3.0_Device_Driver_V18.exe
Documentation		
Redistributable Packages		
> Software		



- The installer starts with opening the main window.
- Click "Next" to continue the installation.



Accept the License Agreement by clicking on "I Agree".





- The components which will be installed are depending on the specific installer package.
- In case of the single complete installer package, some components are fixed (device driver and documentation), while other can be selected manually in addition (e.g. software application). The number of components which can be selected individually can vary between different installer packages.
- There is only one, fixed component, in case of the separate device driver installer.

IL BOYS HAT AND ADD BOY	Choose Components
RFACE	Choose which features of Time-to-Digital Converter you want to
CONCEPT	install.
Check the components you install. Click Next to contin	u want to install and uncheck the components you don't want to ue.
Select components to insta	all: Drivers Documentation Demo Application LabVIEW Instruments Software Development Kit
Space required: 117.4MB	
lsoft Install System v2.46	
	< Back Next > Cancel
Time-to-Digital Conv SURFACE A CONCEP	erter Setup — 🗌 Choose Components Choose which features of Time-to-Digital Converter you want install.
Check the components y install. Click Next to con	erter Setup — Choose Components Choose which features of Time-to-Digital Converter you want install. you want to install and uncheck the components you don't want to tinue.
Check the components to in Select components to in	erter Setup – Choose Components Choose which features of Time-to-Digital Converter you want install. you want to install and uncheck the components you don't want to tinue. stall: Privers
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Check the components y install. Click Next to con Select components to in Space required: 10.8 ME	erter Setup Choose Components Choose which features of Time-to-Digital Converter you want install. you want to install and uncheck the components you don't want to tinue. stall: Privers 2.1

• Continue with "Next".



- In case of the single complete installer package, the installer is asking for a path the software should be installed to. It recommends a path in the "Program Files"-Folder. Browse for the specific folder or type it in the field "Destination Folder", if a different destination is preferred.
- In case of the separate device driver installer, there is no possibility for selecting an installation path. Here the additional separate folders for software, documentation etc. have to be copied manually to a preferred folder on the User-PC.
- Continue with "Next".

SUBEACE	Choose Install Lo	ocation		
A CONCEPT	Choose the folder in which to install Time-to-Digital Converte			
Setup will install Time-to-Dig folder, click Browse and sel	gital Converter in the lect another folder. C	following folde lick Install to s	er. To install tart the insta	in a different allation.
Destruction Falder				
Destination Folder	ice Concept			Browse
Destination Folder C:\Program Files\Surfa Space required: 117.4MB	ice Concept			Browse
Destination Folder C:\Program Files\Surfa Space required: 117.4MB Space available: 128.7GB	ice Concept			Browse
Destination Folder C:\Program Files\Surfa Space required: 117.4MB Space available: 128.7GB Vullsoft Install System v2.46 -	ice Concept			Browse

- The installation of the software and the drivers is in progress. The "Installation Complete" window will be shown when the installation process has been completed.
- Proceed with the "Next"-button to finish the installation.
- The installation is now complete. Proceed with the "Finish"-button to close the installation program.



Time-to-Digital Converter S	Getup —
SURFACE	Completing Time-to-Digital Converter Setup
~	Time-to-Digital Converter has been installed on your computer.
	Click Finish to close Setup.
	< Back Finish Cance

- After the installation is complete, the TDC can be connected to the PC via the USB cable (part of the delivery) and can be switched on.
- Windows will detect the TDC as new USB device within a couple of seconds and the device will be ready to use.

Microsoft Redistributable Packages

The TDC software needs certain dlls from different redistributable packages from Microsoft. It is not uncommon that those packages are already installed on the User-PC, as they are also often used by other software applications. Therefore we recommend to first start the software without installing the redistributable packages. In case that the software won't start, the reason can be the missing dlls. In this case we recommend to install the both redistributable packages, which can be found on the storage medium in a sub-folder named "redistributable packages". Please install both existing packages (vc_redist. x64.exe), as both packages provide different dlls which are needed.

V 🔜 USB-Laufwerk (G:)	^	Name
 SC-TDC-1000 D Series_13112D819001 		README.txt
Device Driver		🛃 vc_redist.x64.exe
Documentation		🚭 vcredist_x64.exe
Redistributable Packages		
> 📙 Software		

