

Upgrading to Windows 10

How to Handle TDT Hardware and Software During the Upgrade

Windows 7 has an end of life of January 14, 2020 (<https://www.microsoft.com/en-us/microsoft-365/windows/end-of-windows-7-support>). As a result, many universities are requiring research machines on their networks to upgrade their existing OS to Windows 10 for security purposes. This document is intended to help you smoothly transfer your existing TDT software to your new OS or new machine.

Note: TDT recommends backing up all existing data and TDT folders to a backup hard drive or computer image before upgrading the OS of your computer.

Transferring TDT software to your new Win10 machine is simple for the following reasons:

1. **For current computers that have Win7** - TDT software that worked on 64-bit Win7 will work on 64-bit Win10. Thus, if you upgrade the OS on an existing computer, you can keep your current versions of TDT software and run everything as it had been.
2. **For new computers with a new copy of Win10** - All TDT projects, which includes RpvdsEx circuits + ActiveX code, BioSigRZ, OpenProject experiments, and Synapse experiments, are forward compatible with all newer versions of TDT software releases. Thus, if you are upgrading to a brand new machine with no existing TDT software, you can easily download the latest versions of everything from our downloads page <https://www.tdt.com/support/downloads/> and proceed from there. Just be sure to also update the microcode on your hardware if updating your software to the latest version <https://www.tdt.com/files/fastfacts/Microcode.pdf>. If you need assistance with passwords or any part of the installation process, please contact Support@tdt.com

2a. **For Synapse Users** - Synapse information is easily transferred because everything in Synapse (besides actual data and extra-database files such as user circuits) is saved to a database file (.db). The db file will help to restore all your experiments, subjects, and runtime settings. There is a folder C:\TDT\Synapse\Backups that contains, among other things, the last hardware rig you used (.synrig), a UserSettings.ini file, and the database file (.db).

'Restoring' Synapse on a fresh computer is as easy as installing it on the new machine, then replacing synapse-1.db in C:\TDT\Synapse with the .db file from your Backups folder. TDT recommends *renaming* synapse-1.db to synapse-1.db.old first, and then just dropping in the new synapse-1.db from

Backups. Next, you should also import the rig file (.synrig) via Menu → Edit Rig → Import. Last, you can place your older UserSettings.ini file in C:\Users\{username}\AppData\Local\Tucker-Davis Technologies\Synapse to restore all your Menu → Preferences settings.

Additional important folders to migrate include: C:\TDT\Synapse\UserCircuits for any experiments with user gizmos or legacy circuits, C:\TDT\Synapse\MapFiles for any experiments with map files, C:\TDT\Synapse\ParFiles for experiments with Parameter Sequencer lists, and C:\TDT\Synapse\StimFiles for any experiments that use fStim and stim files. Please copy these folders, as is, into the C:\TDT\Synapse\ directory (replacing the existing fresh folders) so synapse can recognize any appropriate files if there are dependencies.

2b. **For OpenEx Users** – Projects folders can be zipped and easily transferred to different computers. The only thing you will have to do is make a new Tank and Block location for the data to be stored if the folder paths are different on the new machine.

2c. **For BioSigRZ Users** – Biosig configuration files (.acf files), calibration files (.tcf), and SigGen stimulus files (.sig files) are easily ported into a new installation of BioSig. Just be sure to place them in the appropriate file directories C:\TDT\BioSigRZ\Configs (for .acf), C:\TDT\BioSigRZ\TCF (for .tcf), and C:\TDT\BioSigRZ\SIG (for .sig).

2d. **For ActiveX Users** – ActiveX code and associated RPvdsEx circuits are readily used on newer versions of TDT software.