

Sitwain - Overview



Dentsply Sirona's Sitwain allows the acquisition of digital X-ray images with TWAIN-compatible applications. These applications are using Dentsply Sirona's Intra-oral or Orthophos X-ray devices in the same way as normal scanners and are responsible for the data management of acquired images.

When acquiring X-ray images by using these TWAIN drivers, Dentsply Sirona cannot guarantee that the resulting image quality compares to Sidexis quality. Optimum image quality can be achieved by using Sidexis as image acquisition and processing software.

Requirements for the installation / operation of Sitwain

In order to use the drivers an already installed TWAIN-compatible application is required, too.

Please note that, nevertheless, Dentsply Sirona's Sidexis TWAIN drivers cannot be accessed by Sidexis itself. This behaviour is not a bug, it is by design.

Supported Dentsply Sirona software

- Sidexis XG beginning with version 2.5
- Sidexis 4 beginning with version 4.1.1
- Astra beginning with version 1.1

Supported operating systems

- As far as supported by the Sidexis versions mentioned above

Hardware requirements

- When running Sitwain with Sidexis XG:
 - Please check the system requirements of Sidexis XG, see Sidexis XG ReadMe
- When running Sitwain with Sidexis 4:
 - Please check the system requirements of Sidexis 4, see Sidexis 4 ReadMe

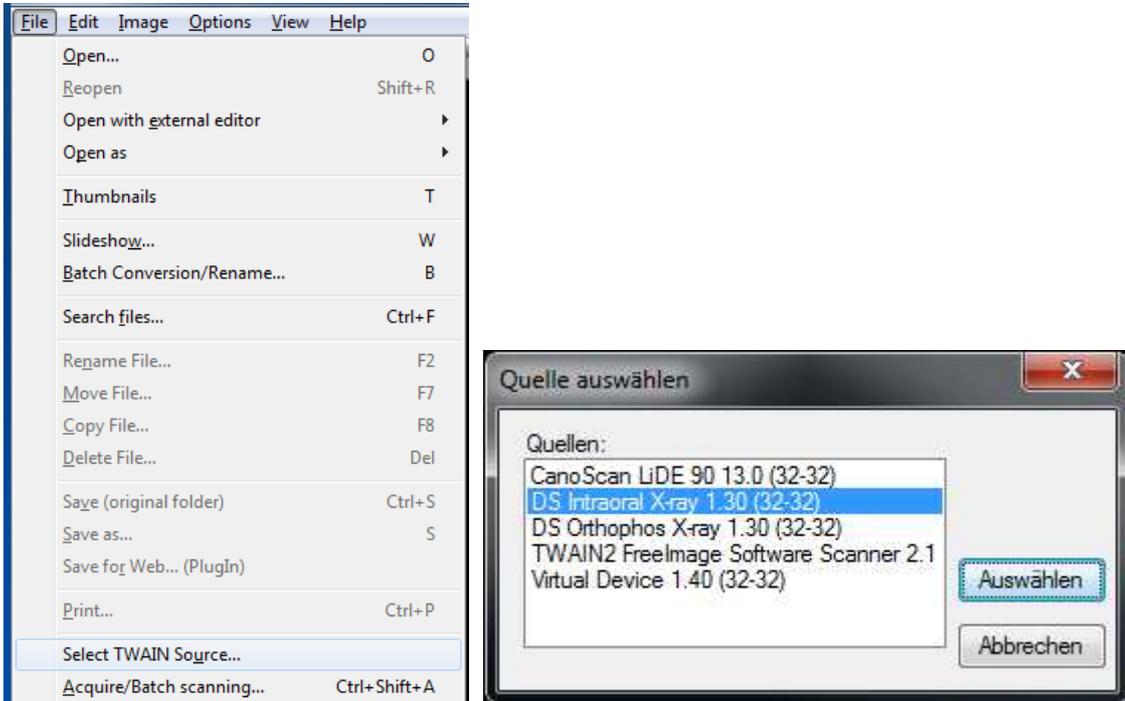
Installation / Update

Run the provided Setup.exe installation file to get the drivers installed. Depending on your distribution a "DS Intraoral X-ray" TWAIN driver, a "DS Orthophos X-ray" TWAIN driver, or both will be installed. The installation options are displayed during the setup process. After installation the TWAIN drivers are ready to run.

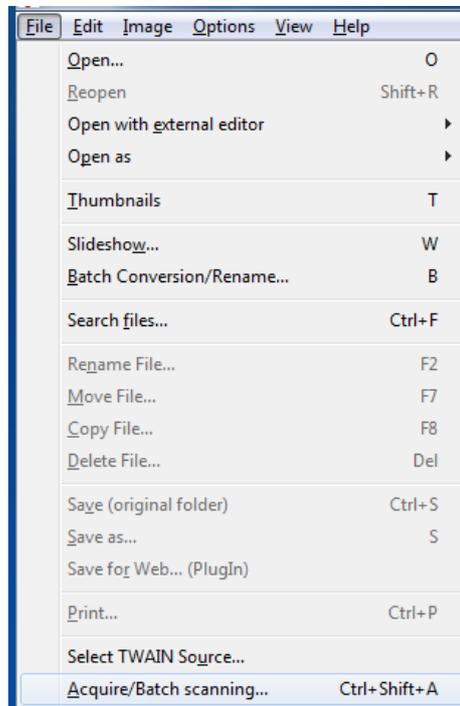
The installation log-in must be performed with administrator rights.

Usage

1. Select the desired TWAIN source. Having the Sidexis TWAIN drivers installed the Dentsply Sirona X-ray device options are listed inside the source list of available TWAIN devices:



2. Initiate the image scan process:



3. Right after starting the acquisition process a Sidexis image acquisition dialog will be displayed. This dialog is identical to the well-known Sidexis image acquisition dialogs.

Image optimization

For image optimization please refer to the Sidexis user manual or the related manual of the X-ray device in use, respectively.

Circular service image buffer

For safety purposes Sitwain stores the last images in subfolder "Sitwain" in the %PROGRAMDATA%\Sirona\Sitwain directory. To modify default settings, edit or create file "SiTwain.ini" in the same directory. In section "CircularBuffer", key "BufferSize" is set to the maximum count of saved images; the oldest file will be deleted when the maximum is exceeded (Default = 5). F.ex. "SiTwain.ini" looks like this for a buffer of 10 images:

```
[CircularBuffer]  
BufferSize=10
```

Notes for using Sitwain together with Sidexis 4 version 4.1.1

An X-ray device may only be accessed by one client computer at a time. In case an error occurred when using Orthophos XG or Orthophos XG 3D, the image data is saved temporarily in directory C:\Sidexis\XGRAW and can be imported manually therefrom. Please configure visibility of each device only on the client you need to establish acquisition readiness from.