

KAVO

IMAGING

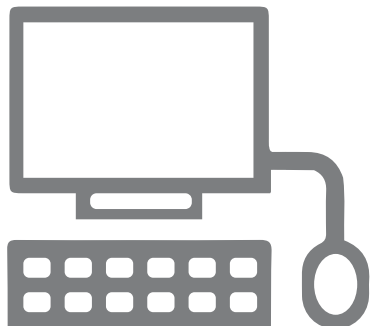


DEXIS™ Titanium Sensor

INSTALLATION GUIDE

SYSTEM REQUIREMENTS

To ensure your new DEXIS Titanium sensor is installed properly, please follow the steps below. Please review the system requirements prior to proceeding with this installation. Reference your DEXIS Titanium User Manual for additional information on sensor use.

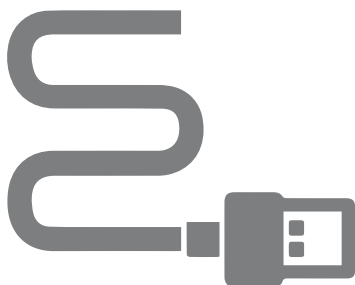


COMPUTER ENVIRONMENT

The following operating system is supported:

Windows 10 Professional (32/64-bit)

NOTE: Operating systems should be Professional series and not a Home edition. Operating systems should be current with the latest Windows updates.



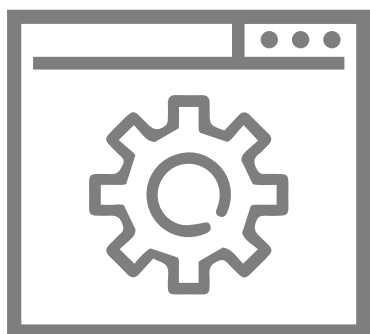
USB

USB 2.0/3.0 Ports

NOTE: USB 1.0 ports are not supported for Titanium sensors.

⚠ CAUTION:

Some USB 2.0 ports may not deliver consistent power or data continually. A USB extension cable may be required for data/power continuity. We recommend using the USB extension cable that came with your DEXIS Titanium kit. If you need additional USB extension cables, call DEXIS Support and order part number 1.014.1145



IMAGING SOFTWARE

To install the DEXIS Titanium sensor, you will need either:

DEXIS 9.4.8 or higher

DEXIS Imaging Suite 10.1.6 or higher

VixWin 3.6.2 or higher

DTX Studio Clinic 1.6 or higher

CLINIVIEW 11.5.2 and KaVo Driver 19.1 or higher

NOTE: DEXIS 11 does not support DEXIS Titanium.

All of the above software, as well as the Quick Start Guide and User Manual, are on the new KaVo Download Center Web site:

<https://www.kavo.com/en-us/download-center>

NOTE: There should not be a need to uninstall previously loaded DEXIS software.

⚠ CAUTION:

Some dental imaging software use a 3rd party SDK to integrate with DEXIS Titanium. Contact your software manufacturer or KaVo Technical Support for software and installation instructions.

KaVo Software Manager Installation for DEXIS and VixWin Users

1. Log into your computer with an Administrator account.
2. Open your supported Imaging Software and verify that you have the minimum version installed. If installing a new Imaging Software for the 1st time, it is recommended to complete the installation prior to installing your sensor drivers.
3. Your DEXIS Titanium sensor comes with KaVo Software Manager preconfigured for the Titanium sensor on the USB Software Kit. Simply insert this USB drive into your computer to begin installation.

⚠ CAUTION:

You will need a valid Internet connection to perform the installation.

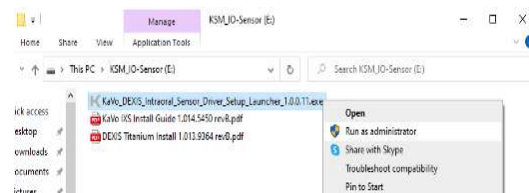
If your workstation is not connected to the Internet, you will need to contact DEXIS Technical Support.

If you no longer have access to your USB Software Kit, you will need to follow the steps in the section below, to download the software and copy a version to your workstation.



4. From the USB drive, right click on *KaVo_DEXIS_Intraoral_Sensor_Driver_Setup_launcher* and select *Run As Administrator*.

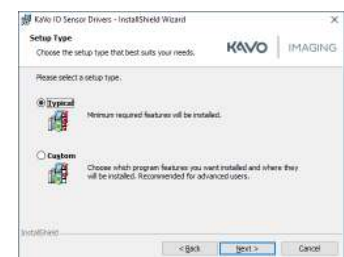
The KaVo Software Manager is ready to install the latest version of your Imaging Software, the KaVo Legacy IO Sensor Driver (if not previously installed) and KaVo IO Sensor Drivers.



5. KaVo Software Manager begins installing your Imaging Software and KaVo IO Sensor Drivers.

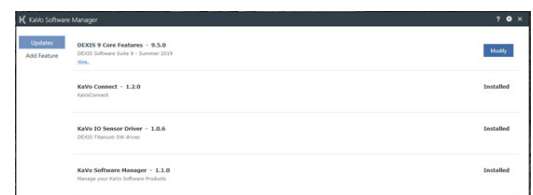


6. Select *Typical* to install the standard feature set.



7. Verify that your Imaging Software and KaVo IO Sensor Drivers were successfully installed by viewing the KaVo Software Manager.

Note: If your Imaging Software's status is listed as *Modified*, the software was successfully installed but you can still install additional purchased software add-ons.



8. Reboot your computer to complete the software installation for your new DEXIS Titanium sensor .
Note: The calibration of the sensor is initiated when a patient is launched in DEXIS 9 and also when an IO acquisition is launched in DEXIS 10. This is not needed for VixWin/GxPicture as user is notified and calibration begins when sensor is connected.

CLINVIEW Installation

for Users without USB software kit access

1. Log into your computer with an Administrator account.
Open your supported Imaging Software and verify that you have the minimum version installed.
2. Navigate to <https://kavo.com/en-us/download-center> and download the latest version of your Imaging acquisition software, according to the version that you are currently using.
3. Download the latest version of the KaVo IO Sensor Driver by searching for DEXIS Titanium. The file name for the driver is *KaVO_IO-Sensor.exe*.
Open your Imaging acquisition software to install your update.

NOTE: You will NOT need to uninstall your previous version of your Imaging acquisition software in advance.

4. Right click the KaVo IO sensor driver and select *Run as Administrator*.
 5. Select *Typical* to install the standard feature set.
 6. Reboot your computer to complete the software installation for your new DEXIS Titanium sensor .
- Note:** The calibration of the sensor is initiated when connected to your imaging software.

INSTALLATION STEPS - for DTX Users

Visit go.dtxstudio.com and login in to your DTX Studio Go account in order to install your DEXIS Titanium sensor. Call 833.DTX.CALL if you have any questions on the installation process.

NOTE: DTX Studio does not require the KaVo IO sensor driver to complete installation.

GESTURE AND DASHBOARD FEATURE SUPPORT

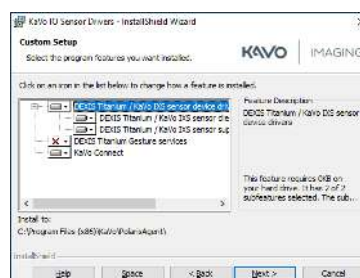
If you are interested in using the SMART gesture features that initiate image acquisition workflows, you will need to complete the following custom installation steps. Your DEXIS Titanium calibration files are loaded on your device and automatically downloaded when connected to the workstation. When the optional feature *DEXIS Gesture Support* is selected during installation, the sensor dashboard is installed. The sensor dashboard provides status information.

Custom Installation

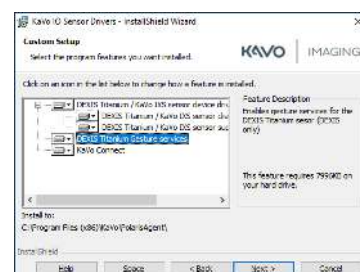
1. Select *Custom* for Dashboard and/or Gesture support.



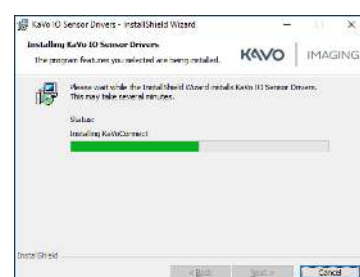
2. Select desired program drivers.



3. Select DEXIS Titanium Gesture services (DEXIS ONLY).

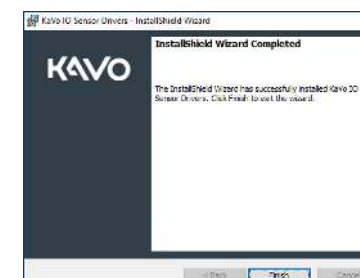


4. The selected program files are then installed.

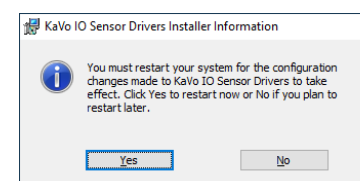


5. After the InstallShield Wizard completes the installation of the Kavo IO Sensor Drivers, click *Finish*.

Note: If your Imaging Software's status is listed as *Modified*, the software was successfully installed but you can still install additional purchased software add-ons.







6. Click *Yes* to restart your system to complete the software installation for your new DEXIS Titanium sensor.



Dashboard Icons

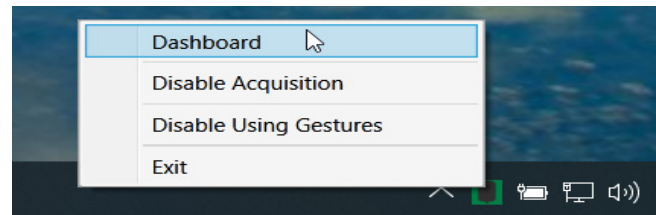
The sensor dashboard provides status information. After installation and reboot are complete, a sensor with a white background and a red “X” is displayed on the right side of the Windows Task Bar. The icon is indicating that the sensor is not plugged into the USB port. This icon changes based on the status of your device.

<p>Red X indicates either:</p> <ul style="list-style-type: none">• No DEXIS Titanium sensors are connected to computer• Or one of the connected sensors is in an error state.	
<p>Green indicates that all of the connected sensors are ready to operate.</p>	
<p>Yellow indicates that at least one of the connected sensors is connecting or downloading calibration files.</p>	
<p>Blue indicates that one of the connected sensors is acquiring an image.</p>	

STEP 1

Connect your sensor to your computer’s USB port to start the automatic download of the calibration files.

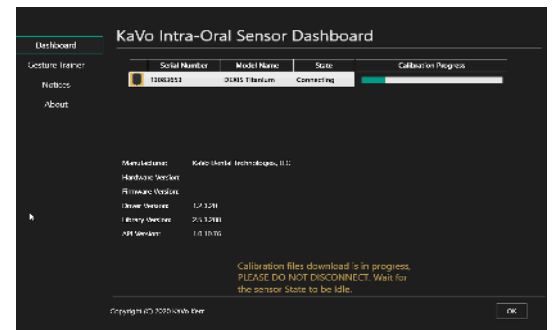
NOTE: Right click this icon to open the Intra-Oral Sensor Dashboard.



STEP 2

The DEXIS Titanium sensor has the calibration files embedded on the device. Installation of the calibration files typically takes around three minutes to complete. You may open the Intra-Oral Sensor Dashboard to see the software load progress.

NOTE: DO NOT unplug the sensor while the calibration files are being downloaded!



STEP 3

Once the download of calibration files are complete, the Sensor Dashboard icon background turns green.

STEP 4

The Intra-Oral Sensor Dashboard also shows the serial number and state of the sensor. This screen also displays driver and software versions.

The sensor is now ready for use in your Imaging Software.

QUESTIONS

Question:	Do I need Windows Administration rights and privileges to install the software and driver?
Answer:	Yes. If a Windows user account does not have Administration rights, the software and drivers may not install properly for the Titanium sensor to work.

Question:	Do I need to set exceptions/exclusions in my antivirus/security programs?
Answer:	<p>No. Under normal circumstances there is no need to add exceptions to your antivirus or security software for your DEXIS sensor to operate correctly. However, you would need to consider excluding the following folders from antivirus or security software in order to address possible application related issues, unexpected behavior and performance related problems.</p> <p>KaVo IO Driver</p> <ul style="list-style-type: none">o C:\ProgramData\KaVo Kerro C:\Program Files (x86)\KaVo <p>DEXIS 9</p> <ul style="list-style-type: none">o C:\DEXIS <p>DEXIS Imaging Suite</p> <ul style="list-style-type: none">o C:\Program Files (x86)\DEXIS <p>VixWin</p> <ul style="list-style-type: none">o C:\VixWin <p>NOTE: Adding antivirus exclusions and optimizations increase the attack surface of a system and might expose computers to a variety of real security threats. We don't recommend implementing any of these exclusions without prior review with your IT staff.</p>

Question:	Why am I receiving an Error 101 or Fatal Error 10 message?
Answer:	Inconsistent USB power or data from a USB port can cause communication issues. Using the powered USB extension cable that came with your DEXIS Titanium kit could resolve these issues.

Question:	Is there a powered USB hub you recommend?
Answer:	We have had good success with the following USB powered hub: StarTech: Part #ST4300USB3, CDW Part #2310869.

For additional assistance, contact
the DEXIS Technical Support team
at **1-888-ASK-KAVO**, option 6.



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