Dental Unit Plugins

ApexLocator distance display, automatic headrest adjustment, patient-specific chair programs, time synchronization, Implant Terminal

Operator’s Manual
Table of contents

1    Installation............................................................................................................................. 3
2    Availability of Dental Unit Plugins ..................................................................................... 5
3    Display of dentist and patient on EasyTouch user interface................................................. 6
  3.1  Display dentist on user interface.......................................................................................... 6
  3.2  Displaying patients on the user interface ............................................................................. 7
4    ApexLocator distance display plugin .................................................................................... 8
  4.1  Description of plugin ........................................................................................................... 8
  4.2  Operation ............................................................................................................................ 9
5    Automatic headrest adjustment plugin .................................................................................. 11
  5.1  Description of plugin ........................................................................................................... 11
  5.2  Operation ............................................................................................................................ 12
6    Patient-specific chair programs plugin .................................................................................. 14
  6.1  Description of plugin ........................................................................................................... 14
  6.2  Operation ............................................................................................................................ 15
7    Time synchronization plugin .................................................................................................. 18
  7.1  Description of plugin ........................................................................................................... 18
  7.2  Operation ............................................................................................................................ 19
8    Implant Terminal ..................................................................................................................... 20
  8.1  Description of plugin ........................................................................................................... 20
  8.2  Operation ............................................................................................................................ 22
1 Installation

The following Dental Unit Plugins for Sidexis 4 are installed as described here:

- Plugin to visualize the distance display of the ApexLocator function in Sidexis 4
- Automatic headrest adjustment plugin
- Time synchronization plugin
- Patient-specific chair programs plugin

1. Insert the installation CD into your PC’s CD/DVD drive.
2. Execute the file `DentalUnitPluginsSetup.exe`.
3. The setup assistant opens.
4. Click on Next in the setup assistant.
5. The plugins are installed.
A confirmation message window appears once the installation has completed.

5. Click on Finish in the confirmation message window.
2 Availability of Dental Unit Plugins

The following table describes which plugin is available for which treatment center.

<table>
<thead>
<tr>
<th>Plugin</th>
<th>Teneo</th>
<th>Sinius</th>
</tr>
</thead>
<tbody>
<tr>
<td>Displaying dentist and patient on EasyTouch</td>
<td>available</td>
<td>not available</td>
</tr>
<tr>
<td>ApexLocator distance display</td>
<td>available</td>
<td>available</td>
</tr>
<tr>
<td>Automatic headrest adjustment</td>
<td>available</td>
<td>not available</td>
</tr>
<tr>
<td>Patient-specific chair programs</td>
<td>available</td>
<td>not available</td>
</tr>
<tr>
<td>Time synchronization</td>
<td>available</td>
<td>available</td>
</tr>
<tr>
<td>Implant terminal</td>
<td>available</td>
<td>not available</td>
</tr>
</tbody>
</table>
3 Display of dentist and patient on EasyTouch user interface

3.1 Display dentist on user interface

Description
To use the “ApexLocator distance display” and “Patient-specific chair programs” plugins, the dentist at the treatment center must be assigned to a SIDEXIS user.

A code can be set for the SIDEXIS user. A code is suggested for SIDEXIS user selection.

The code is shown on the treatment center display.

Assigning a SIDEXIS user to a treatment center

2. Click on the toothed wheel icon (A) in the header line of the software.
   - The configuration menu opens.

3. Click the Dental treatment center ⇒ General buttons in the structure tree.
The Correlation: Dentist user profile area (C) is shown. The drop-down menu here shows as many entries as there are users registered in Sidexis 4.

4. In the Correlation: Dentist user profile area (C), use the drop-down menu to select each user to be assigned to the treatment center.
   - A code is automatically created for each selected user. This code is displayed next to the drop-down menu. The default code is created using the first letter of the first name and the first 4 letters of the surname.

5. To change the default code, mark it and enter the desired code.
6. Click on the Save button (D).
   - The selected SIDEXIS users are assigned to the treatment center and can use the Dental Unit Plugins for Sidexis 4.
   - When Sidexis 4 is started, the user's code is displayed at the bottom right of the user interface of the treatment center.

3.2 Displaying patients on the user interface

When a SIDEXIS user is assigned to a treatment center dentist, the surname of the registered patient is displayed at the bottom left of the user interface of the treatment center.

If the patient's name is too long for the display, a symbol is displayed.

If the bottom left region is occupied by a configurable key, the name of the patient is not displayed.
4 ApexLocator distance display plugin

4.1 Description of plugin

The plugin includes the following functionalities:

- Visualization of the following ApexLocator functionalities in Sidexis 4:
  - Current measurement value of the Apex working length
  - Configuration value of the Apex Stop and its visibility
  - Measurement value of the maximum Apex working length
  - Name of the file used (in endotherapy)

Visualization in Sidexis 4 corresponds with the distance display of the ApexLocator function on the user interface of the dentist's unit.

- The ApexLocator function distance display in Sidexis 4 can be scaled and freely positioned (even on a 2nd monitor).

- The plugin can be activated or deactivated via Sidexis 4 for each dentist. The plugin for the dentist currently logged in can be activated or deactivated via the user interface in the dentist's unit.
4.2 Operation

Activate and deactivate plugin via Sidexis 4


2. Click on the toothed wheel icon (A) in the header line of the software.
   - The configuration menu opens.

3. Click the Dental treatment center ⇒ ApexLocator buttons in the structure tree.

4. Place a check for each dentist in the ApexLocator settings (C) region for whom the automatic ApexLocator display is to be activated in Sidexis 4. Dentists who are not assigned to a treatment unit are grayed out here and cannot be selected. If the plugin is to be activated for a grayed out dentist, assign this dentist to a user profile the treatment unit. See Display dentist on user interface [→ 6]

5. Click on the Save button (D).
   - The plugin is activated for the selected dentist. The ApexLocator display is automatically shown in Sidexis 4.
Activating and deactivating the plugin via user interface in the dentist's unit

➢ Touch the ApexLocator function distance display on the user interface of the dentist's unit.

➢ The plugin is activated or deactivated for the dentist logged in. This causes the distance display of the ApexLocator function in Sidexis 4 to be either hidden or displayed.
5 Automatic headrest adjustment plugin

5.1 Description of plugin

The automatic headrest adjustment plugin is available for Teneo treatment units with motorized headrest.

The plugin includes the following functionalities:

- The plugin automatically saves the position of the headrest for the logged on patient in Sidexis 4.
- If the patient is logged on in Sidexis 4, the headrest will automatically move to the saved height.
- If the headrest is manually moved while a patient is logged on, then the changed height of the headrest is automatically saved for the patient logged on. The height of the headrest is also saved when the automatic headrest adjustment is deactivated.
- The automatic headrest adjustment can be activated and deactivated via Sidexis 4.
5.2 Operation

Activating and deactivating automatic headrest adjustment


2. Click on the toothed wheel icon (A) in the header line of the software.
   - The configuration menu opens.

3. Click the Dental treatment center ⇒ Headrest buttons in the structure tree (B).

4. To activate the automatic headrest adjustment, place a check next to "Automatic adjustment activated" in the Motor-driven headrest size adjustment field (C).
   or
  ➢ To deactivate the automatic headrest adjustment, remove the check next to "Automatic adjustment activated" in the Motor-driven headrest size adjustment field (C).

5. Click on the Save button (D).
   - The automatic headrest adjustment is activated or deactivated.

Saving the headrest height for a patient (at initial registration)

1. Register a newly created patient at Sidexis 4.
2. Slide the headrest to the required height.
   - After 5 seconds, the position of the headrest will be saved automatically.
   - The next time the patient is logged in, the headrest will automatically move to the saved position.
Adjusting the headrest height for a patient
✓ The patient has been logged in to Sidexis 4 at least once and a headrest height has been saved.
➢ Log the patient in to Sidexis 4.
เภ The headrest height will move to the saved height.

Changing the saved headrest position for a patient
✓ The patient is logged in to Sidexis 4.
➢ Slide the headrest to the required height.
เภ After 5 seconds, the changed height of the headrest will be saved automatically.
เภ The next time the patient is logged in, the headrest will automatically move to the saved height.
6 Patient-specific chair programs plugin

6.1 Description of plugin

The patient-specific chair programs plugin includes the following functionalities:

- Using this plugin, the dentist can save individual chair positions for the patient in Sidexis 4. Each of the chair positions apply to one dentist and one patient. I.e. each dentist can save his/her own chair positions for each patient. 6 chair positions can be saved for each patient and dentist. The patient-specific chair programs are retrieved via the treatment unit user interface.

- The plugin can be activated and deactivated for a dentist via Sidexis 4.

- If the plugin is activated for a dentist, a key appears on the treatment unit of the user interface. The plugin for the logged on patient is activated or deactivated using this key.

- The keys for which a patient-specific chair program is saved are labeled. Keys 3 and 4 shown in the image have patient-specific chair programs saved.

- The keys for which no patient-specific chair program is saved are set to the default chair programs.
6.2 Operation

Activating plugin for dentists

- The dentist is assigned to the treatment center. See Display dentist on user interface [→ 6]


2. Click on the toothed wheel icon (A) in the header line of the software.
   - The configuration menu opens.

3. Click the Dental treatment center ⇒ Chair programs buttons in the structure tree.

4. Place a check for each dentist in the Chair programs (C) region for whom the patient-specific chair programs plugin is to be activated. Dentists who are not assigned to a treatment unit are grayed out here and cannot be selected. If the plugin is to be activated for a grayed out dentist, assign this dentist to a user profile the treatment unit. See Display dentist on user interface [→ 6].

5. Click on the Save button (D).
   - The plugin is activated for the selected dentist. The patient-specific chair programs key is displayed on the user interface of the treatment unit.
Activating plugin for patients

1. Log a patient onto Sidexis 4.
2. Click the *patient-specific chair programs* key on the user interface of the treatment unit.

- The *patient-specific chair programs* key is highlighted orange.

- If specific chair programs have already been saved for the patient, the chair program keys (S, 0, 1, 2, 3, 4) for which a patient-specific chair program has been saved are labeled. Keys 3 and 4 shown in the image have patient-specific chair programs saved.

Retrieving patient-specific chair programs

✓ The *patient-specific chair programs* plugin is activated.

➢ Press a labeled chair program key.

- The chair moves to the saved position. The key is highlighted orange. In the image, the patient-specific chair program on key 4 has been selected.

Saving patient-specific chair program

1. Log a patient onto Sidexis 4.
2. Activate the *patient-specific chair programs* plugin.
3. Move the patient chair to the desired position.
4. Hold down a chair program key (S, 0, 1, 2, 3, 4) for 5 seconds.

- The chair position is saved for the logged on patient and dentist. A tone is heard and the key is labeled. Keys 3 and 4 shown in the image have patient-specific chair programs saved.

Deleting patient-specific chair programs

1. Log the patient onto Sidexis 4 for whom patient-specific chair programs are to be deleted.
2. Hold down the *patient-specific chair programs* key for 5 seconds and then let go.
The deletion dialog box for patient-specific chair programs is displayed.

3. To delete a patient-specific chair program, press one of the labeled chair program keys in the deletion dialog box. Keys 3 and 4 shown in the image have patient-specific chair programs saved.

4. To delete all patient-specific chair programs for the logged on patient, click the delete all patient-specific chair programs key.

5. To close the deletion dialog box, press the back key.
7 Time synchronization plugin

7.1 Description of plugin

The time synchronization plugin includes the following functionalities:

- Synchronization of the PC's clock with the treatment center's clock. This compares the PC's clock with the treatment center's clock once per minute. If the discrepancy is greater than one minute, the treatment center uses the PC's clock.
- The plugin can be activated and deactivated via Sidexis 4.
### 7.2 Operation

**Activate and deactivate plugin via Sidexis 4**


[Image showing Start Sidexis 4 step]

2. Click on the toothed wheel icon (A) in the header line of the software.
   - The configuration menu opens.

3. Click the Dental treatment center ➔ Time synchronization buttons in the structure tree (B).

4. To activate the plugin, place a check in "Time synchronization activated" in the Time synchronization (C) region.
   - The plugin is activated or deactivated.

5. To deactivate the plugin, remove the check in "Time synchronization activated" in the Time synchronization (C) region.

or

➢ To deactivate the plugin, remove the check in "Time synchronization activated" in the Time synchronization (C) region.

6. Click on the Save button (D).
   - The plugin is activated or deactivated.
8 Implant Terminal

8.1 Description of plugin

Overview

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Speed indicator</td>
</tr>
<tr>
<td>B</td>
<td>Torque indicator</td>
</tr>
<tr>
<td>C</td>
<td>Preceding treatment step</td>
</tr>
<tr>
<td>D</td>
<td>Current treatment step with values set and library values</td>
</tr>
<tr>
<td>E</td>
<td>Next treatment step</td>
</tr>
<tr>
<td>F</td>
<td>List with reports for registered patients</td>
</tr>
<tr>
<td>G</td>
<td>Pointer: Shows the current actual values.</td>
</tr>
<tr>
<td>H</td>
<td>Thin marking: Shows the current maximum value set. This value can be modified on the treatment center.</td>
</tr>
<tr>
<td>I</td>
<td>Bold marking: Shows the maximum value recommended by the manufacturer of the implant system (library value).</td>
</tr>
</tbody>
</table>
Scope of functions

The plugin Implant Terminal includes the following functionalities:

- Displaying the following data for implantology treatment in Sidexis 4.
- Automatic creation of a report of the implantology treatment performed. The automatic creation of reports can be deactivated for each dentist.
- The Implant Terminal is shown automatically if an implantology treatment is started on the treatment center and the corresponding instrument is taken from the holder.
- The Implant Terminal can be scaled and freely positioned in Sidexis 4 (even on a 2nd monitor).
- The automatic plugin Implant Terminal display can be activated or deactivated via Sidexis 4 for each dentist.

Report

The report contains the following data:

- Information about the patient, treating doctor, implant system, data and time of treatment
- Graphic representations of the speed curves, torque curves, amount of coolant, clockwise and counterclockwise rotation

A new page in the report is started for each new treatment step. If the instrument is placed back in the holder during a treatment step and picked up again, then a new page will also be started.

To keep the report clear and manageable, data is only recorded while the motor is running.
8.2 Operation

Settings on Implant Terminal via Sidexis 4


2. Click on the toothed wheel icon (A) in the header line of the software.
   - The configuration menu opens.

3. Click the Dental treatment center ⇒ Implant Terminal buttons in the structure tree (B).

   In the Implant Terminal Settings area (C), the following settings can be adjusted for each dentist:

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Visibility automation activated&quot; check box</td>
<td>The Implant Terminal is shown automatically if an implantology treatment is started and the corresponding instrument is taken from the holder.</td>
</tr>
<tr>
<td>&quot;Create report at the end of each implant therapy&quot; check box</td>
<td>A report of the implantology treatment performed is created automatically.</td>
</tr>
<tr>
<td>&quot;Ask me whether a report should be generated&quot; check box</td>
<td>If the &quot;Create report at the end of each implant therapy&quot; function is deactivated: At the end of treatment, a query will appear asking if you wish to create a report.</td>
</tr>
</tbody>
</table>
By clicking the "Close" button (D), the settings will be accepted and the window will close.

**Displaying Implant Terminal**
- ✓ An implantology treatment function is loaded on the treatment center.
- ✓ The "Visibility automation activated" function is activated for the selected dentist.
-➢ Take the appropriate instrument from the holder.
-❖ The Implant Terminal is displayed.

**Hiding Implant Terminal**
-➢ Place the instrument in the holder.
-❖ The Implant Terminal is hidden.

When you take the instrument out of the holder again, the Implant Terminal is displayed again.

**Ending treatment and creating a report**
-➢ Conclude the treatment via the user interface of the treatment center.
-❖ The Implant Terminal is hidden.
-❖ If report creation is activated, a report is created.

**Displaying a report**

➢ If the Implant Terminal is not displayed, click on the treatment center symbol (S).
-❖ The Implant Terminal and the ApexLocator plugin are displayed.
   IMPORTANT! This plugin display must only be used when loading a report or for positioning and scaling the plugin. The accuracy and completeness of the content displayed is not guaranteed.
-➢ Double-click on the desired report in the "Patients latest reports:" area.
-❖ The report is displayed in the standard program for PDF documents.
   If no program for displaying PDF documents is installed, install Adobe Reader.
We reserve the right to make any alterations which may be required due to technical improvements.