

# SIDEXIS XG

Digital Radiography / VIDEXIS Video Software

Quick reference guide

English



The Dental Company

sirona.



This product bears the CE marking in accordance with the provisions of the Council Directive 93/42/EEC of June 14, 1993 concerning medical devices.



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# 1 Starting and quitting SIDEXIS XG

## Starting SIDEXIS XG

Activation options	
Activation by double-clicking the program icon	 SIDEXIS
Activation via the “start” button, by clicking the program icon.  This button is usually located at the bottom left corner of the screen.  Depending on the operating system and setting, the display may vary.	 SIDEXIS

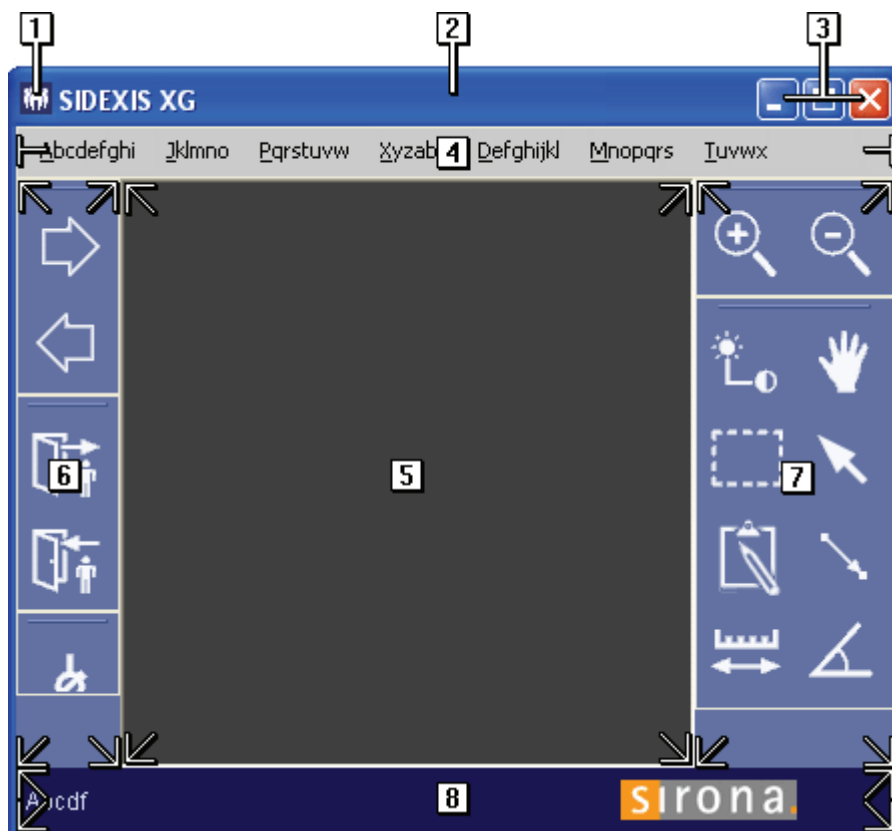
## Quitting SIDEXIS XG

Activation options	
Activation by clicking the button	
Activation by clicking the button in the title bar	
Activation via hotkey	[Alt]+[F4]
Activation via the menu bar	1. [E]xam 2. [E]xit

# 2 The exam workspace

### 2.1 Screen layout


































Example screen



#### Areas

1. System menu of the program window
2. Title bar with name of the selected patient
3. Buttons for controlling the window size
4. Menu bar
5. Exam workspace
6. Area for management toolbars
7. Area for image processing toolbars
8. Status bar

## 2.2 Command overview of the SIDEXIS XG user interface

	Register patient	Zoom in		Zoom out	
	Check out patient	Mouse adjuster for setting brightness and contrast		Standard mouse pointer	
	Make system ready for exposure / intraoral exposure	Adjust brightness of the active image with the left slider		Adjust contrast of the active image with the right slider	
	Make system ready for exposure / panoramic, ceph and TSA exposure				
	Make system ready for exposure / 3D exposure				
	Start intraoral video exposure	Invert image		Pseudo-color display	
	Select image from the image database for viewing	Contrast optimization filter		Relief display filter	
	Image description and findings	Noise reduction filter		Sharpen Plus filter	
	Close image	Undo last filter operation		Restore original image	
	Print image view	Turn active image 90° to the left.		Turn active image 90° to the right.	
	Send image	Activates the magnifier function		Maximize active image to full-screen size	
	Change program	Arrange images as overview in the exam workspace		Arrange images according to their anatomical positions in the exam workspace	
	Exit program				

# 3 Operation examples

### 3.1 Taking intraoral images

#### Scope of validity

#### **NOTE**

*This function is not available with SIDEXIS XG VIDEXIS video software.*

#### Steps



1. Press the following button.

The respective patient (new or already known to the system) is registered.

#### **NOTE**

*Check the registration in the SIDEXIS title bar.*



2. Now press the following button.

This makes the PC ready for intraoral exposures.

3. Specify the requested tooth number in the image description dialog box which opens (factory setting).
4. Make your preparations for the exposure.
5. Position the X-ray sensor.
6. Check whether the system is ready for exposure.
7. Release the exposure on the X-ray unit.

The X-ray image is now generated.



8. **Optionally:** Open the image description dialog box to enter your findings.

Press the following button.



9. **Optionally:** Print out the image together with the findings.  
Now press the following button.



10. Now press the following button.  
The image is closed.



11. Now press the following button.  
The patient is checked out.



## 3.2 Taking panoramic, ceph and TSA images

## Scope of validity

**i NOTE**

*This function is not available with SIDEXIS XG VIDEXIS video software.*

## Steps



1. Press the following button.

The respective patient (new or already known to the system) is registered.

**i NOTE**

*Check the registration in the SIDEXIS title bar.*



2. Now press the following button.  
This makes the PC ready for panoramic, ceph or TSA exposures.
3. Make the system settings on the ORTHOPHOS DS or ORTHOPHOS DS Ceph.
4. Make your preparations for the exposure.
5. Position the patient.
6. Check whether the system is ready for exposure.
7. Release the exposure on the X-ray unit.

The X-ray image is now generated.

8. **TSA only:** The image description dialog box opens (factory setting).  
Enter your findings in the image description dialog box.

**Optionally for panoramic and ceph exposures:**

Open the image description dialog box to enter your findings.  
Press the following button.



9. **Optionally:** Print out the image together with the findings.  
Now press the following button.



10. Now press the following button.  
The image is closed.



11. Now press the following button.  
The patient is checked out.

### 3.3 Operating the intraoral camera from a SIRONA treatment center

#### Outline

In conjunction with the SIVISION PC software, SIDEXIS offers very convenient intraoral camera operation and image viewing functions from the treatment center without use of the mouse or keyboard.

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#### **NOTE**

*Since operation varies according to the treatment center type or the SIVISION configuration, please refer to the respective operating instructions or manuals for details.*

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Below you will find a description of the most important operating steps from a SIRONA treatment center.

#### Steps



1. Press the following button.

The respective patient (new or already known to the system) is registered.

---

#### **NOTE**

*You should check the registration in the SIDEXIS title bar.*

---

2. Remove the camera from its holder.

The video window opens.

The LIVE IMAGE of the camera is displayed in the video window.

3. Position the camera.
4. Toggle between LIVE IMAGE and STILL IMAGE by briefly stepping on the foot switch.
  - LIVE IMAGE changes to STILL IMAGE.
  - STILL IMAGE changes to LIVE IMAGE.
5. Save the STILL IMAGE:
  - a. by stepping on the foot switch for some time;  
or
  - b. by activating the spray function.
6. Put back the camera in its holder.

The video window closes.

The saved STILL IMAGE is displayed in the exam workspace.



7. **Optionally:** Activate the image description function to enter or view findings.

Press the following button.



- 8. Optionally:** Printing the image together with the corresponding findings.

Press the following button.



- 9.** Now press the following button.

The image is closed.



- 10.** Now press the following button.

The patient is checked out.

### 3.4 Opening a saved exposure

#### Steps



1. Press the following button.  
The respective patient (new or already known to the system) is registered.



2. Now press the following button.  
The image selection dialog box opens.



3. **Optionally:** Open the image description dialog box to enter or view the findings.  
Press the following button.



4. **Optionally:** Print out the image together with the findings.  
Press the following button.



5. Now press the following button.  
The image is closed.



6. Now press the following button.  
The patient is checked out.

# 4 Working with exams

## Outline

Users of conventional, film-based X-ray systems mostly use self-adhesive labels or felt tip pens to highlight certain areas on X-ray images or to take down notes.

The images are manually positioned on the X-ray viewing box. Then, they are compared with other images, measured, superimposed with photos (orthodontics!) or put in an envelope and sent to a specialist.

The working procedures applying to conventional film exposures were transferred to the SIDEXIS XG user interface.

The working and diagnosing processes of all exams are displayed together in the exam workspace.

It is called “Exam” and is opened, saved and managed in.

Each image processing operation **can** be saved as an “Exam”.

### **i** NOTE

*In order to ensure convenient operation of SIDEXIS XG with the exam concept, it is recommend to customize the user interface. The examples shown assume that the user interface has been customized.*

## Subdivision

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### 4.1 Customizing the user interface

#### Outline

Customization comprises two steps:

1. Creating a new toolbar
2. Replacing the toolbars

#### 4.1.1 Creating a new toolbar

Proceed as follows:

#### Opening the configuration dialog box

1. Place the mouse pointer somewhere on the menu bar.
2. Press the right mouse button.

A context menu is displayed.

3. Click the “Customize...” menu item.

The “Customize” configuration dialog box appears.

#### Creating a toolbar (example)

1. Select the “Toolbars” tab.
2. Press the “New” button.
3. Enter “Exam” as name in the text box and confirm this name by pressing the “OK” button.

An empty toolbar called “Exam” is displayed.

4. Now drag the “Exam” toolbar outside the configuration dialog box while pressing and holding down the left mouse button.

#### Assigning functions to the toolbar

1. Select the “Commands” tab.

In the “Categories” list box, the item “Exam” should be selected.

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#### **NOTE**

*The items in the “Categories” list box correspond to the menus on the menu bar. All commands of the respective menu appear in the “Commands” list box.*

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2. Click the “ExamNew...” command in the “Commands” list box and drag it to the “Exam” toolbar while keeping the left mouse button pressed, and then release the mouse button.

---

#### **NOTE**

*To display the “ExamNew...” command in the “Commands” list box, you must scroll down the list box with the help of the scroll bar.*

---

3. Repeat the last step with the following commands:
  - “Choose”
  - “Close”



**Closing the configuration dialog box**

The toolbar should look like in the screenshot at the margin now.

**Deactivating the “Open” toolbar**

Close the configuration dialog box by clicking the “Close” button.

### 4.1.2 Replacing the toolbars

1. Place the mouse pointer somewhere on the menu bar.
2. Press the right mouse button.

A context menu is displayed.

3. Deactivate the “Open” context menu item by clicking it.

The “Open” toolbar at the left margin of the program window disappears.

**Positioning the “Exam” toolbar at the window margin**

1. Place the mouse pointer on the title bar of the “Exam” toolbar.
2. While pressing and holding down the left mouse button, drag the “Exam” toolbar to the position where the disappeared “Open” toolbar was before.
3. The “Exam” toolbar occupies the empty space now.

The “Exam” toolbar should look like in the screenshot at the margin now.



### 4.2 Example - acquiring, interpreting and saving an image

#### Outline

The example describes how to acquire an intraoral image, specify a diagnosis and save the entire exam with a non-registered patient.

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**i NOTE**

*Proceed in the described order!*

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#### Registering the patient



1. Press the following button.  
The "Patient selection" dialog box appears.
2. Click the desired patient in the "Patient" list box.  
"New" should appear in the "Exam" list box.

If this is not the case, select "New" by clicking it with the mouse.

3. Confirm your selection by clicking the "OK" button.

The corresponding patient is registered, and an empty exam workspace appears.

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**i NOTE**

*Check the registration in the SIDEXIS title bar.*

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#### Acquiring the X-ray image



1. Now press the following button.  
This makes the PC ready for intraoral exposures.
2. Specify the requested tooth number in the image description dialog box which opens (factory setting).
3. Make your preparations for the exposure.
4. Position the X-ray sensor.
5. Check whether the system is ready for exposure.
6. Release the exposure on the X-ray unit.

The X-ray image is acquired and is displayed in the exam workspace.



### Specifying a diagnosis

1. Select the image by clicking it.
2. Press the right mouse button to display the context menu.
3. Select the “Properties” function.

The “Describe image” dialog box appears.

4. Type your findings in the “Findings” text box.
5. Activate the “QuickView” check box.
6. Close the dialog box by clicking the “OK” button.

The “Describe image” dialog box disappears.

### Aligning the findings

The findings are displayed as a yellow note in the upper left corner of the images.

1. Place the mouse pointer on the findings.
2. Press and hold down the left mouse button and drag the findings outside the image area.

The relation between the image and the findings is optically represented by a dashed line.

### Closing the exam



1. Now press the following button.

A reconfirmation dialog box appears.

2. Confirm the question by clicking the “Yes” button.

The “Save exam as” dialog box appears.

The software suggests a name for the current exam. It can be edited.

3. Close the dialog box by clicking the “OK” button.

The exam is then saved and closed.

### Checking out the patient



4. Now press the following button.

The patient is checked out.

### 4.3 Example - Opening a saved exam

#### 4.3.1 Version 1 - Patient is not registered yet.

##### Steps



1. Press the following button.  
The “Patient selection” dialog box appears.
2. Click the desired patient in the “Patient” list box.
3. In the “Exam” window, select the option “Existing”.  
All saved exams are displayed.
4. Select the desired exam by clicking it.
5. Confirm your selection by clicking the “OK” button.

The patient is registered and the selected exam is loaded into the exam workspace.

#### 4.3.2 Version 2 - Patient is already registered.

##### Steps



1. Press the following button.  
The “Select exam” dialog box appears.  
All saved exams are displayed.
2. Select the desired exam by clicking it.
3. Confirm your selection by clicking the “OK” button.

The selected exam is loaded into the exam workspace.



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We reserve the right to make any alterations which may be required due to technical improvements.

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