



Intego/Intego Pro

Brief operating instructions (not valid for USA)

Dear Customer,

You can use these brief operating instructions to quickly find the most important control procedures and functions of your dental treatment center.

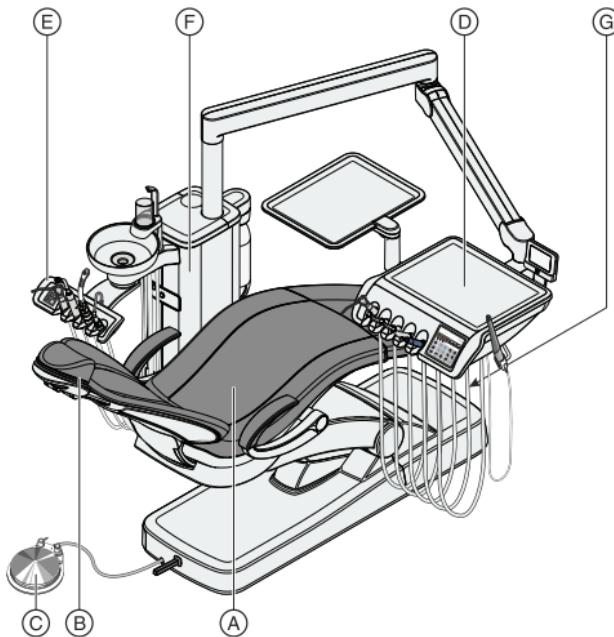
However, they do not describe all of its functions. Therefore, they cannot replace the complete operating instructions of your dental treatment center, which contain many important descriptions and warnings. The care and cleaning of your treatment center are described thoroughly in the complete operating instructions. A quick overview of the required measures is provided in the Care and Cleaning Plans for the Treatment Center and the Instruments.

Your Intego Team

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Overview of Intego



A	Patient chair	E	Compact assistant element
B	Flat headrest	F	Compact water unit
C	Pneumatic foot switch	G	Power switch and external device connection
D	TS dentist element		

* Maximum load exerted by patient and accessories: 140kg, 185 kg as an option

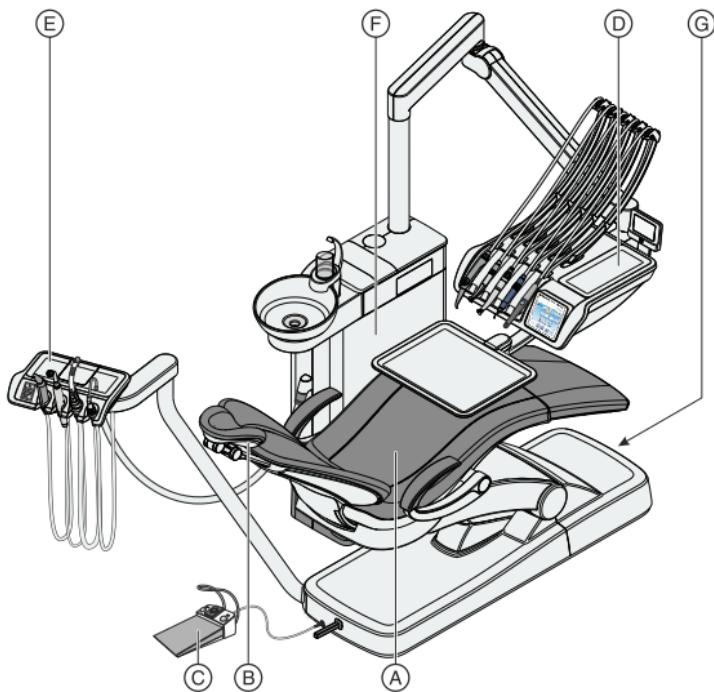
Dentist element instruments

Position 1	Positions 2, 3	Position 4	Position 5	Additional tray (only for TS)
Standard 3-way syringe	highspeed handpiece	highspeed handpiece	SiroSonic L	SiroCam F/AF/AF+
Sprayvit E	Motor BL E / BL ISO E	Motor BL E / BL ISO E	SiroCam F/AF/AF+	
		SiroSonic L		

Assistant element instruments

Position 1	Position 2	Position 3	Position 4
Standard 3-way syringe	additional spray aspirator	Spray aspirator	Saliva ejector
Sprayvit E	Mini L.E.D.		
	SiroCam F/AF/AF+		

Overview of Intego Pro



A	Patient chair	E	Comfort assistant element
B	Double-jointed head support	F	Comfort water unit
C	C+ electronic foot control	G	Power switch and external device connection
D	CS dentist element		

* *Maximum load from patient and accessories: 185 kg

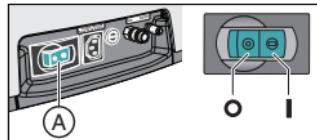
Dentist element instruments

Position 1	Positions 2, 3	Position 4	Position 5	Additional tray (only for TS)
Sprayvit E	highspeed handpiece	highspeed handpiece	SiroSonic L	SiroCam F/AF/AF+
	Motor BL E / BL ISO E	Motor BL E / BL ISO E	Mini L.E.D.	
		SiroSonic L	SiroCam F/AF/AF+	

Assistant element instruments

Position 1	Position 2	Position 3	Position 4
Sprayvit E	additional spray aspirator	Spray aspirator	Saliva ejector
	Mini L.E.D.		
	SiroCam F/AF/AF+		

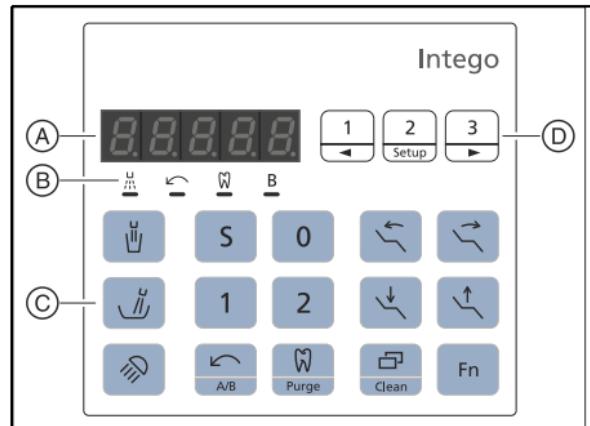
Power switch



The treatment center has a power switch (A) at the base of the chair. At the end of the working day, the treatment center should be switched off to save energy and for safety reasons. This switches off the air and water supply as well as all electronic components. It then no longer consumes any energy.

User interface of the dentist element

Standard user interface of the EasyPad



- | | |
|---|--------------------------------------|
| A | EasyPad display |
| B | Status displays |
| C | Fixed keys (membrane keyboard) |
| D | Favorite key pad (membrane keyboard) |

EasyTouch comfort user interface



- | | |
|---|---|
| A | Touchscreen (pressure-sensitive user interface) |
| B | Fixed keys (membrane keyboard) |



For an overview of touch-screen programs, see the end of this quick reference guide.

EasyPad display

28000

For indicating speed, intensity, and torque and for configuring and servicing the treatment center. The time, timer function, and error messages are also displayed.

Status displays on the EasyPad



Indicate activation of spray (only for C+ electronic foot switch), counterclockwise rotation, Endo function, and user profile B.

Favorites keypad

These fixed keys are for:

- Adjusting the speed of the motor and the intensity of the SiroSonic L scaler
- Saving the instrument settings speed or intensity, maximum torque and spray on the function keys 1, 2 and 3 by pressing and holding (> 2 s). Pressing briefly recalls the stored setting.

Keys and displays

Tumbler filling

Starts the tumbler filling function.



5.1 10



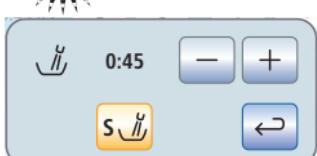
Pressing the *Tumbler filling* key (> 2 s) displays the setting text/program for coupling the tumbler filling to mouth rinsing position S and filling time.

Flushing the cuspidor

Starts the flushing of the cuspidor bowl.



5.0 45



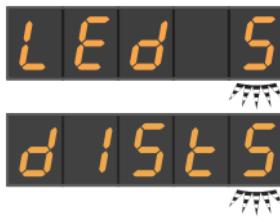
Pressing the *Flushing* key (> 2 s) displays the setting text/dialog for coupling flushing to mouth rinsing position S and flushing time.

Operating light

Switches the operating light on, to the composite function, or off. The composite function is used to prevent premature curing of composite materials.

With the LED light, brightness is set using the no-touch sensor.

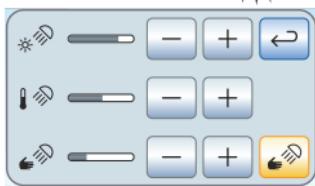




In the LEDview and LEDview Plus the setting context/dialog appears when the *operating light* key is pressed (>2 s). The brightness of the light and the distance from which the no-touch sensor should react to movements can be adjusted.

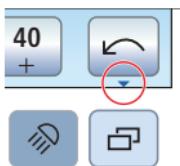


In the LEDview Plus, the color temperature of the light can also be adjusted.



Sub-screen

With EasyTouch, some programs are divided into a main program and sub-screens.



This is indicated by a small arrow at the bottom right of the touchscreen. It points to the fixed key *Sub-dialog* below the touchscreen



Chair program S

Mouth rinsing position with last-position memory function (programmable)



Chair program 0

Entry/exit position (programmable)



Chair programs 1 and 2

(programmable)

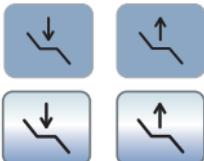


Backrest tilt

Moves the seat and backrest without any compression or stretching effects for the patient



Chair height



Timer function

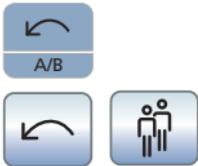
Starts and stops the timer.



With EasyPad, the timer is preset in the setup of the treatment center, see "Presetting the timer" [§ 38].

On the EasyTouch, the settings dialog for the Timer function appears when the Timer key is held down (> 2s). Set the time and select whether you want to switch the time loop (i.e. the timer restarts automatically after the time is up) and the acoustic signal for the selected timer on or off.

Counterclockwise rotation / user profile



With the motor removed: switching counterclockwise rotation on/off



With instruments in place: changing the user profile



Endo / Purge



With the motor removed: switching the Endo function of the motor on/off



With the ultrasound handpiece removed: switching the endo mode on/off (limiting power)



On the EasyPad with active Endo function and holding the key (> 2 s): starting calibration of the drill drive



On the EasyPad with instruments in place: selecting the purge, autopurge, sanitize, and stand-alone water supply functions



Display mode / clean



On the EasyPad with active Endo function: switching between speed and torque indicator



With instruments in place: switches the entire user interface of the dentist element to no function. The instruments of the dentist and assistant elements can no longer be activated. The Sivision monitor and the camera system are switched off. Pressing > 3 s again reactivates the treatment unit. This protects from interference from an external HF device and when cleaning the surface by ensuring that no functions can be accidentally triggered.

User interface of the assistant element



Chair program S

Mouth rinsing position with last-position memory function (programmable)



Chair program O

Entry/exit position (programmable)



Tumbler filling

on/off



Flushing the cuspidor

on/off



Operating light / Composite function

Press the key repeatedly to set the following switching positions:

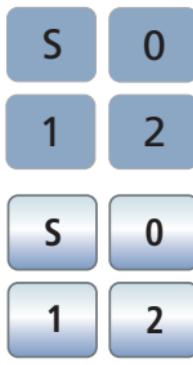
1. Switched on
2. Composite function
3. Switched off



Fn key

Starts and stops the timer.

Programming chair programs



The four factory preset chair programs:

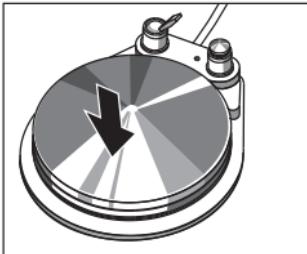
- Mouth rinsing position S
- Entry/exit position 0
- 1 and 2

can be individually programmed for both user profiles (A and B) on the EasyPad and each of the four user profiles (A to D) on the EasyTouch.

- ✓ On the EasyTouch, the *Start or Instrument dialog* is displayed on the touch-screen.
- 1. Move the patient chair to the desired treatment position.
- 2. Switch the operating light on or off (this is set during programming).
- 3. Press and hold the desired program key (S, 0, 1 or 2) (> 2s).
 - ↳ An acoustic signal sounds. Your settings are now stored under the desired program key.

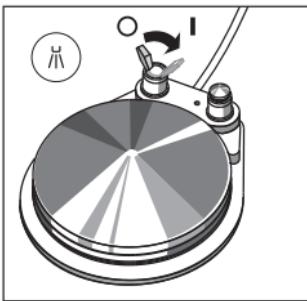
Note: Chair programs S and 0 can also be programmed on the assistant element side.

Pneumatic foot switch



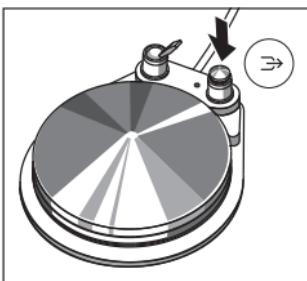
Foot pedal

- Drag an instrument (electric motor, high-speed handpiece/air motor, Siro-Sonic L) and step on the foot pedal.
- The instrument is switched on with the set speed and intensity. For highspeed handpieces/air motors, the speed is controlled by the pedal action.



Spray switch

- Move the toggle switch.
- Left position: Spray off
Right position: Spray on
The spray is either switched on or off when an instrument is activated.



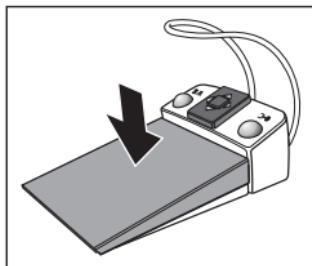
Chip blower

With the chip blower, an air jet comes out of the bur.

- Take an instrument and press the right button.
- The chip blower remains switched on as long as the button is pressed.

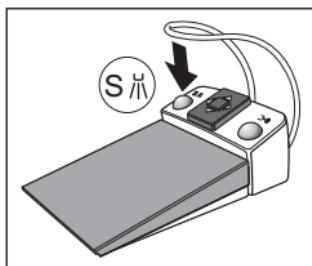
C+ electronic foot control

Foot pedal



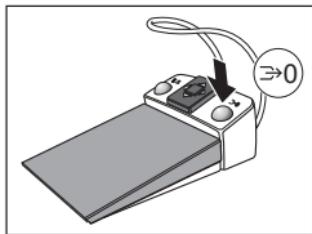
- ✓ All instruments are **in place**.
- Press the foot pedal.
- ↳ The EasyPad switches to the standard operating context (initial situation), the EasyTouch displays the start dialog.
- ✓ An instrument is **removed**.
- Press the foot pedal.
- ↳ The instrument is activated. With the EasyPad, the motor and the SiroSonic L are activated with the set speed or intensity (direct starter). If the standard foot switch function is selected with the EasyTouch, the motor and the SiroSonic L can be controlled in relation to the pedal stroke. When the intraoral camera is removed from the holder, the camera image is focused and switches to the still or live image.

Left button



- ✓ All instruments are **in place**.
- Press the left button.
- ↳ The chair moves to mouth rinsing position S.
- ✓ An instrument is **removed**.
- Press the left button.
- ↳ With the EasyPad, the spray is switched on and off, with the EasyTouch, the cooling medium preset in the sub-dialog (spray or air). If the intraoral camera is removed, the video still image is saved in Sidexis; the live image is displayed in the next quadrant in Si Video.

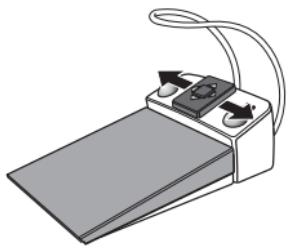
Right button



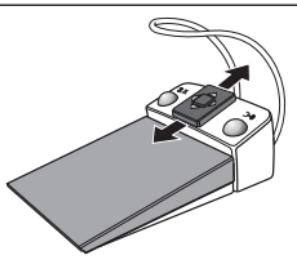
- ✓ All instruments are **in place**.
- Press the right button.
- ↳ The chair moves to entry/exit position O.
- ✓ An instrument is **removed**.
- Press the right button.
- ↳ The chip blower remains switched on as long as the button is pressed. When the intraoral camera is removed, it is possible to toggle between single image and quad image in Si Video.

4-way foot control plate

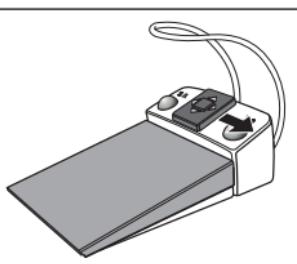
- ✓ All instruments are **in place**.
- Move the 4-way foot control plate to the left or right.
- ↳ Left: Chair program 1 is loaded.
Right: Chair program 2 is loaded.



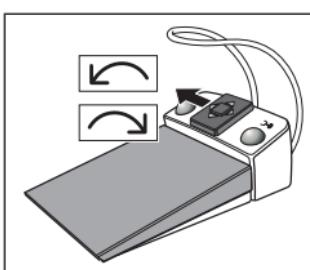
- ✓ An electric motor or SiroSonic L is **removed**.
- Slide the 4-way foot switch plate up or down.
- ↳ Up: The speed or intensity is increased.
Down: The speed or intensity is decreased.



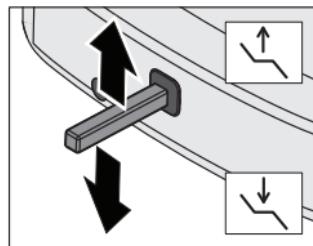
- ✓ An electric motor or SiroSonic L is **removed**.
- Slide the 4-way foot control plate to the right.
- ↳ The instrument settings saved for the favorite key, e.g. speed, intensity and activation of spray are called up.



- ✓ An electric motor is **removed** from the holder.
- Slide the 4-way foot switch plate to the left.
- ↳ The clockwise/counterclockwise rotation of the electric motor is activated.

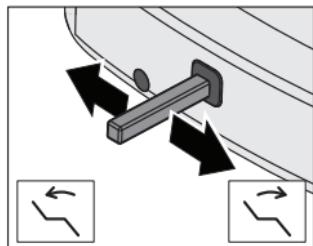


4-way foot control



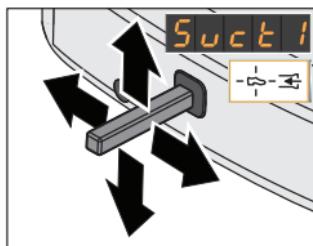
Adjusting the chair height

- Slide the 4-way foot control upward or downward.



Inclining the backrest

- Slide the 4-way foot control to the left or right.



Suction via 4-way foot control

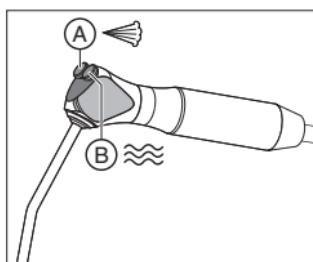
If the treatment center is equipped with a place selection valve option for the suction system, it can be set so suction flow of the spray mist suction can be interrupted or restarted by moving the 4-way foot control switch at the base of the chair in any direction.



WARNING: Due to the lack of suction flow, fluid may run back out of the spray aspirator and into the patient's mouth.

- Always remove the spray aspirator from the patient's mouth before switching it off.

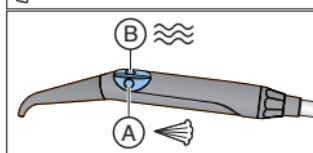
3-way standard and Sprayvit E syringe



A = air button

B = water button

Available option: Sprayvit E with reverse key assignment



High-speed handpiece / air motor / other air-driven instruments

If your treatment center is equipped with the pneumatic foot switch, the drive air for the turbine can be regulated by the foot pedal.

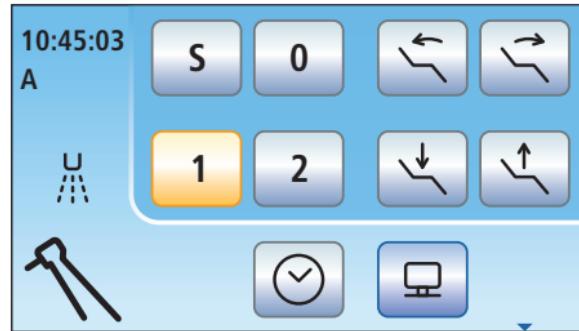
EasyPad user interface



When the highspeed handpiece is removed from the holder, a short vertical bar appears on the right side of the EasyPad display. Press the foot switch to start the high-speed handpiece.

EasyTouch user interface

When the highspeed handpiece is removed from the holder, a highspeed handpiece signal appears on the touchscreen.



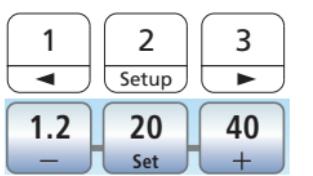
Electric motor

The brushless motors BL E and BL ISO E are available as electric motors.

The speed range of the motors for Intego / Intego Pro is between 1,200 and 40,000 rpm. If the treatment center features the eControl option, the motor can be down-regulated to 100 rpm.

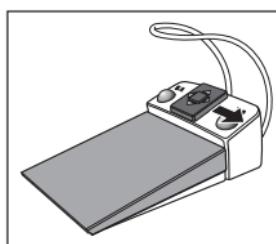
Accessing saved speed setting

- ✓ The electric motor is removed from the holder.
- Press one of the favorite keys briefly (< 1 s).



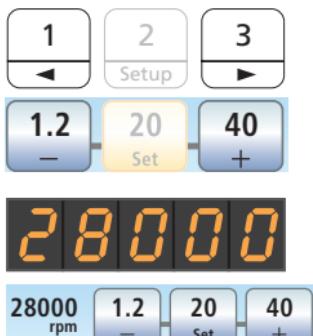
☞ The speed saved on the favorite key is shown in rpm (revolutions per minute). With the EasyTouch, the favorite key is highlighted orange.

By moving the 4-way switch plate of the C+ electronic foot switch to the right, the settings of the favorite keys can be accessed consecutively.

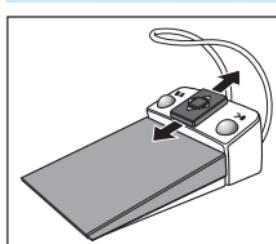


Changing the speed

- Press and hold the 1 or 2 / - or + favorite key (>1 s).



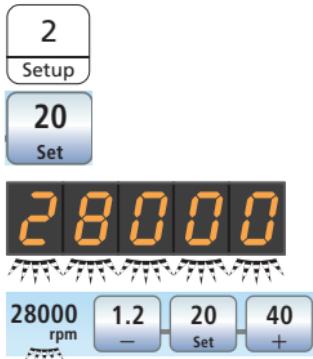
☞ The speed is increased or reduced.



The speed can also be increased or reduced by moving the 4-way switch plate of the C+ electronic foot switch up or down.

Saving the speed

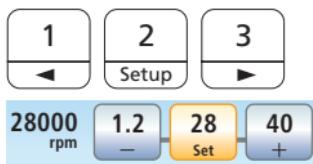
- ✓ The desired speed is set.
- 1. Press and hold the *2 / Setup* or *Set* favorite key (>1 s).



↳ The speed flashes.

- 2. Press one of the three favorite keys.

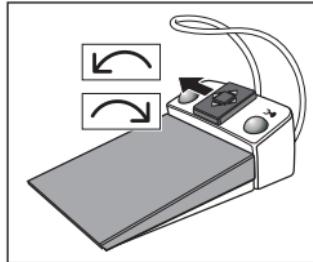
↳ An acoustic signal sounds. The speed set is saved on the favorite key.



Setting the direction of rotation via the foot switch

The rotational direction of the motor can also be set via the 4-way foot control plate of the C+ electronic foot switch.

- ✓ An electric motor is removed from the holder.
- 1. Move the 4-way foot control plate to the left.
- ↳ When counterclockwise rotation is switched on, the Counterclockwise status display lights up on the EasyPad, the Counterclockwise key is marked orange on the EasyTouch.
- 2. Move the 4-way foot control plate to the left again to reverse the rotational direction.



Endo function

The speed and torque of the rotating instrument can be set precisely using the Endo function.

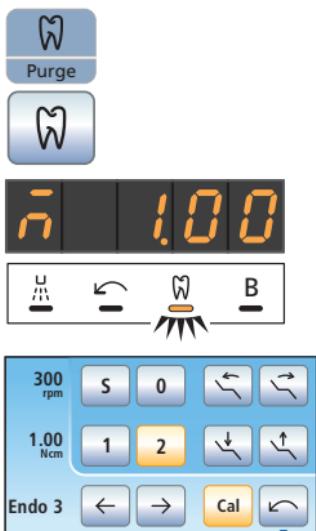


The basic functionality of the Endo function is described below. For more information, please refer to your complete Intego Operating Instructions.

Switching on the Endo function

The Endo function is assigned to the burr drive removed from the holder.

- ✓ The desired electric motor for the Endo function is removed from the holder.
- Press the *Endo / Purge* key or the *Integrated Torque Control* key in the sub-dialog *Motor*.



↳ If the Endo function is turned on, the preset torque of 1.00 Ncm (Newton centimeter) is displayed on the EasyPad display. The *Endo function* status display is illuminated. With the EasyTouch, the *Endodontics dialog* is displayed.

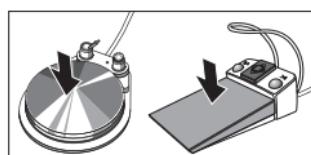
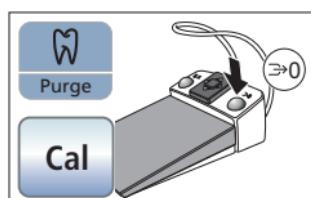
Switching off the Endo function

If the Endo function is switched on, when the burr drive assigned to the Endo function is removed from the holder, the torque or **speed of the contra-angle handpiece** is displayed instead of that of the motor on the EasyPad display. To show the **motor speed** again when the burr drive is removed, the Endo function must first be switched off.

- Press the *Endo / Purge* key (< 1s) or the *Endo function* key again.
- ↳ The *Endo function* status display goes out on the EasyPad. On the EasyTouch, the key *Endo function* is displayed in blue again. When the burr drive is removed from the holder, the speed of the motor is displayed.

Calibrating the bur drive

Calibration is required when the Endo function is started, every time the contra-angle handpiece is changed, and every time the contra-angle handpiece is lubricated. Recalibration is not necessary after changing a file.



An uncalibrated bur is marked with an "n" on the EasyPad display. The horizontal bar above it shows that the auto-reverse function is switched on, see "Switching AutoReverse ON/OFF" [§ 23].

With the EasyTouch, an uncalibrated drilling instrument is shown with a blue calibration key. An orange key indicates that the drilling instrument has been calibrated.

- ✓ The Endo function is switched on and a drilling instrument is dragged.
 - ✓ The torque is shown on the EasyPad display. If the speed is shown, calibration is not possible.
1. Attach the contra-angle handpiece that you wish to use with Endo function to the electric motor.
 2. Insert a file in the contra-angle handpiece. This ensures that the file is taken into account in the measurement.
 3. Press and hold the *Endo / Purge* key (> 2 s), press the *Calibration* key, or press the right button of the C+ electronic foot control.

↳ A revolving element is shown on the EasyPad display. On the EasyTouch, the key lights up. The burr drive is ready for calibration.

4. Hold down the foot pedal throughout the duration of the calibration.
- ↳ On the EasyPad, the revolving element is displayed again, while on the Easy Touch, the flashing key is displayed. During calibration, increasing speeds are set on the motor.
- ↳ When the burr drive is calibrated, a "c" is displayed on the EasyPad display. With the EasyTouch, the key is continually highlighted in orange. Calibration is then completed.

Selecting a step

With the Endo function on the EasyPad standard user interface, endodontic settings can be saved for up to three steps; on the EasyTouch comfort user interface, for up to six steps. At the end of each work step, the required settings are made immediately available by selecting the next step.



With the EasyPad, storing and retrieving the work stage settings occurs over the three favorite keys, see "Electric motor" [§ 18].

With Easy Touch, the steps can be selected via the forward/back keys.

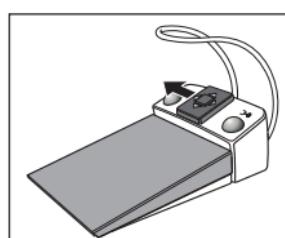
Setting the speed and torque

With the Endo function switched on, torque and speed of the contra-angle handpiece are indicated, but not of the motor. The control electronics of the burr drive calculate the motor control based on the contra-angle handpiece gear reduction and the torque and speed settings.



When the Endo function is switched on, the EasyPad display can be toggled between torque and speed to set the speed via the key *Display Mode / Clean*.

To differentiate between torque and speed settings, the display shows *burr drive calibrated/not calibrated* and *AutoReverse function on/off* only for the torque.

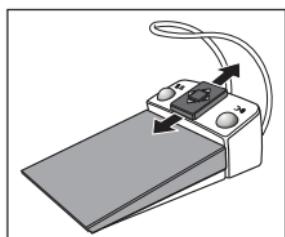


Moving the 4-way switch plate of the C+ electronic foot control to the left also toggles between torque and speed.



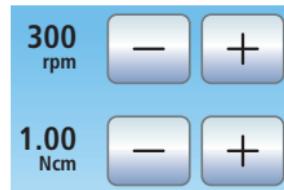
- Set the desired torque and speed for the contra-angle handpiece. Press and hold the favorite keys 1 or 3 (> 1 s).

The torque and speed can also be increased or reduced by moving the 4-way switch plate of the C+ electronic foot control up or down.



On the favorite keys 1, 2 and 3, torque values for the steps of the endodontic

treatment can be stored and retrieved, see "Electric motor" [18]. The speed will remain unchanged in doing so. Speed is not saved on the favorite keys.



With the EasyTouch, the speed and torque are displayed together.

Switching AutoReverse ON/OFF

If the auto-reverse function is switched on, the burr drive automatically switches to counterclockwise rotation when the torque set is reached. If the foot control is pressed again, the burr drive switches back to clockwise rotation.

- ✓ The electric motor is removed from its holder with the Endo function switched on.
- Keep the *Counterclockwise Rotation/User Profile* key (>2 s) or touch the *AutoRev* key.



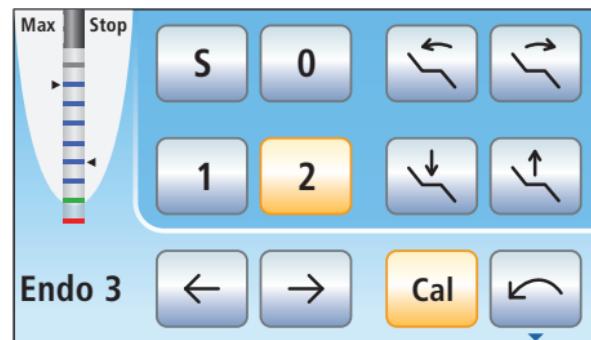
- The AutoReverse function is switched on/off. On the EasyPad display, a horizontal bar appears above the display *Burr drive calibrated* or *Burr drive not calibrated*. With the EasyTouch, the key is highlighted orange.

Apex locator (only with EasyTouch)

The ApexLocator can be used to measure the working length of the root canal file in endodontic treatments using electrical impedance.

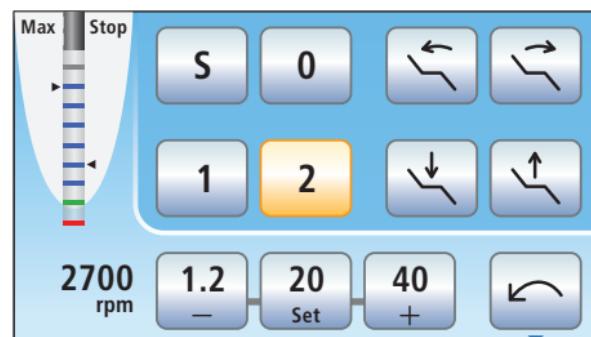
The ApexLocator can be used as follows:

- For measurement during treatment with the motor and the Endo function **with** electronic torque limitation



Distance display in the Endodontics program

- For measurement during treatment with the motor, **without** electronic torque limitation



Distance display in the Motor program

- For manual measurement using a file clamp

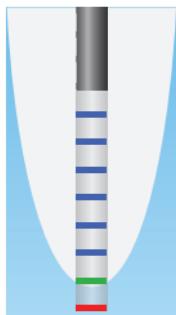


Distance display in the Start sub-screen

The measured root canal depth is shown in the distance display on the touchscreen. A bar with 11 display levels shows the distance from the root canal file to the physiological apex. The root canal is divided into four colored sections in the distance display.

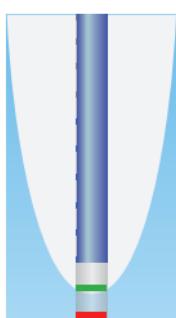
Gray region

The tip of the root canal file is in the middle region of the root canal.



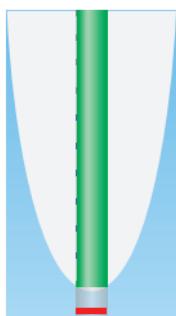
Blue region

The tip of the root canal file is near the apex.



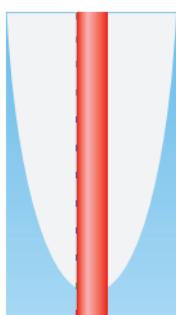
Green region

The tip of the root canal file has reached the physiological apex.



Red region

The tip of the root canal file has pierced the physiological apex. The instrument overshoot is displayed.



In addition to the graphical distance display on the touchscreen, the position of the file in the root canal can also be indicated as an acoustic signal.

Automatic motor stop

You can make a setting to ensure that the motor stops automatically at a preset distance from the apex. The motor stop can be combined with the Auto-Reverse function.

- ✓ The sub-dialog *Motor* or the sub-dialog *Endodontics* is displayed on the touch-screen.
- 1. Touch the *Apex stop* key.
 - ↳ If the key is highlighted orange, the automatic motor stop is activated. The - and + keys are displayed.
- 2. Use the - and + keys to set the required apex distance from 1.5 to 0. If the distance is 0, the motor does not stop until it reaches the physiological apex. Please note that the distance values are not a metric length measurement!
 - ↳ The set distance is displayed to the left of the - and + keys. The preset motor stop position is displayed as a black triangle to the right of the distance display under the text "Stop".



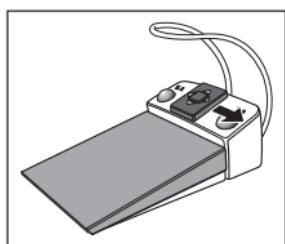
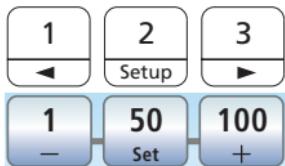
For more details, please refer to your complete Intego Operating Instructions.

SiroSonic L

The SiroSonic L scaler is used to remove plaque and to rinse the prepared root canal for endodontic treatment.

Accessing intensity settings

- ✓ The SiroSonic L scaler is removed..
- Press one of the favorite keys briefly (<1 s).

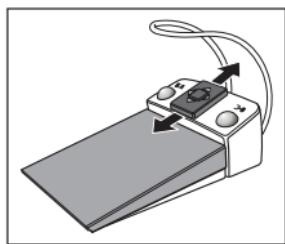


➤ The intensity saved on the favorite key is displayed as a percentage. With the EasyTouch, the favorite key is highlighted orange.

By moving the 4-way switch plate of the C+ electronic foot switch to the right, the settings of the favorite keys can be accessed consecutively.

Changing the intensity

- Press and hold the 1 or 2 / - or + favorite key (>1 s).



➤ The intensity is increased or reduced.

The size of the increments depends on the intensity range setting:

From 1 to 5% = 1% increments

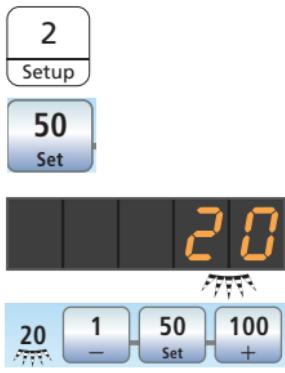
From 5 to 50% = 5% increments

From 50 to 100% = 10% increments

The speed can also be increased or reduced by moving the 4-way switch plate of the C+ electronic foot switch up or down.

Saving intensity

- ✓ The desired intensity is set.
- Press and hold the *2 / Setup* or *Set* favorite key (>1 s).



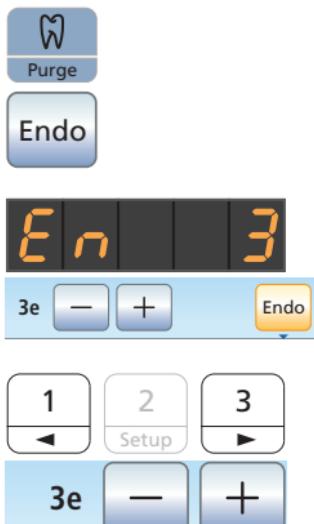
➤ The intensity display flashes.

- Press one of the three favorite keys.
- An acoustic signal sounds. The intensity is saved on the favorite key.

Switching on the endodontics function

The intensity of the endodontics function is limited for safety reasons, e.g. in order to prevent broken needles. The intensity can be adjusted from 1e to 5e.

- ✓ The SiroSonic L scaler is removed..
- 1. Press the *Endo / Purge* or *Endo* key.



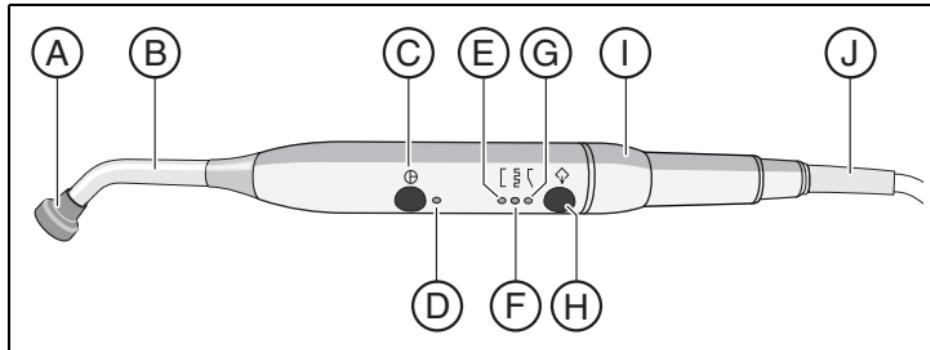
➤ The endodontics intensity (Endo mode) is displayed instead of ultrasonic intensity (ultrasonic mode). With the Easy-Touch, the key *Endo* is highlighted orange.

2. Use favorite keys 1 and 3 (or − and + keys) to set the desired endodontics intensity (En 1 to En 5).

By pressing the *Endo / Purge* or *Endo* key again, the user is returned to ultrasonic mode.

The intensity settings cannot be saved on the favorite keys in Endo mode.

Mini L.E.D.



A	Glare shield	F	Pulse curing mode light
B	Fiber optics	G	"Soft start" mode lamp
C	On/off button	H	Mode button
D	Status control lamp	I	Handpiece
E	Quick curing mode lamp	J	Supply cable

The status control lamp (D) signals the following states:

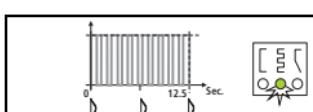
green	Normal operation
red, flashing	Overheating protection

The Mini L.E.D. has three operating modes, which you can select with the **Mode H** key:



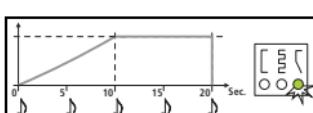
Quick curing mode

The Mini L.E.D. operates at full power for 10 seconds.



Pulse curing mode

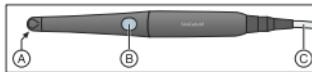
The Mini L.E.D. runs at full power in "Pulse" mode (1 s on, 0.25 s off).



"Soft start" mode

Soft start in 10 s, then full power for 10 s

SiroCam F/AF/AF+



A	Lens window
B	Key for automatic focus (Auto focus)
C	Connection cable

The Sivision digital video system enables the acquisition of intraoral and extraoral images. The SiroCam F/AF/AF+ intraoral camera generates digital image data that can be transmitted via a USB 2.0 port (high-speed universal serial bus) to a connected PC and stored there. This PC can then display the images on the Sivision monitor of the treatment center. The Sidexis or Si video can be used as a PC video application.

The video images are an excellent option for improving patient communication.

Focusing the SiroCam AF/AF+

The SiroCam AF/AF+ intraoral camera adjusts the image focus at the touch of a button. The focus is continuously variable.

1. Direct the camera to the subject to be acquired.
2. Press the *Auto focus* key (B).

If the treatment center is equipped with the C+ electronic foot control, it can be configured in setup that the camera image can be focused with the foot switch, see "Switching on/off the foot control function for intraoral camera focus" for Easy Pad [¶ 39], for EasyTouch [¶ 40].

Focusing the SiroCam F

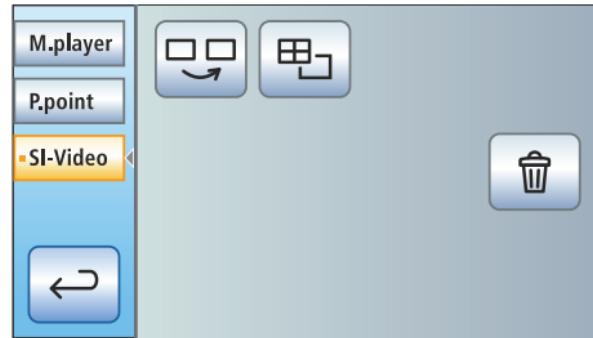
In the SiroCam F, focusing is set for the close-up range. The (B) key has no function.

Using the camera with Si Video



Using Si Video, up to four still images can be generated with the SiroCam F/AF/AF+ intraoral camera. These can be displayed on the Sivision monitor either as a sequence of single images or simultaneously as a quad image. The active quadrant is marked with an orange square. The quadrants are displayed in a clockwise sequence.

The generated still images remain until the treatment center or the PC is disconnected from the power supply.



- Pull out the intraoral camera.
- ↳ The live image is displayed on the Sivision monitor as a single image. The Sivision dialog is displayed on the EasyTouch.

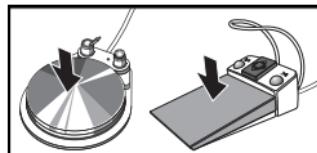
When the intraoral camera is put in the holder, the live image is no longer displayed on the monitor. The generated still images remain displayed.

Operation of Si Video with the camera removed

When the camera is removed, the Si video is controlled via the C+ electronic foot control, the keys of the EasyPad, or the virtual keys of the EasyTouch in the Sivision dialog.

Switching between live and still image

- ✓ The intraoral camera is removed from its holder.
- 1. Step on the **foot pedal**.
 - ↳ The display switches from live to still image.
- 2. Press the foot pedal again.
 - ↳ The live image is displayed again.



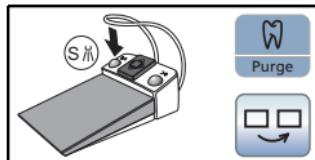
If the treatment center is equipped with an autofocus camera and the C+ electronic foot control, it can be configured in setup

that the camera image can be focused with the foot switch. If this function is switched on, the foot pedal must be pressed down fully to switch between live and still images.

Selecting the next quadrant

In order to produce another still image, another quadrant must be selected. If there is already a still image in the desired quadrant, it can be replaced by a new image.

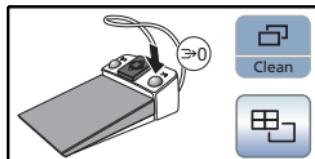
- ✓ The intraoral camera must be removed to allow for operation via the foot switch.
- Press the **left button** of the C+ electronic foot control.
Or press the *Endo / Purge* key on the EasyPad, on the EasyTouch the *Select next quadrant* key.
- ↳ The orange square highlights the selected quadrant. When the intraoral camera is removed, the live image is displayed.



Switching between quad image and single image

When you change from quad to single image, the previously marked quad image is displayed as a single image. Conversely, the displayed single image is marked in the quad image.

- ✓ The intraoral camera must be removed to allow for operation via the foot switch.
- Press the **right button** of the C+ electronic foot control.
Press the *Display mode / Clean* key on the EasyPad, on the EasyTouch the *Quad image* key.
- ↳ The mode changes between quad and single image.



Operation of Si Video with the camera in place

When the camera is in its holder, Si Video is controlled via the EasyPad using three fixed keys, and via the EasyTouch using the Sivision dialog buttons.

Selecting the next quadrant

In single image mode, the still image in the next quadrant is displayed. In quad image mode, the next quadrant is highlighted.



Clean



Quad image

Display quad image or single image. Up to four single images are simultaneously displayed on the Sivision monitor in quad image mode.



Deleting images

All generated still images are deleted.

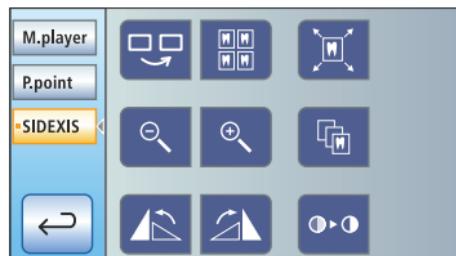
Using the camera with Sidexis



Besides the display and processing of X-ray images, Sidexis XG or Sidexis 4 can be used additionally as a video application for the SiroCam F/AF/AF+ intraoral camera. Sidexis displays live and still images in separate windows. Still images are stored in the patient database.

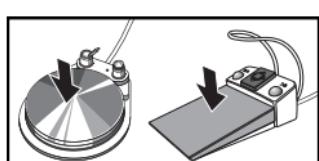
Switching the intraoral camera on/off

- ✓ The PC is in operation and the Sivision Connect or Siucom Plus PC application is started.
- Pull out the intraoral camera.
- ↳ Sidexis is started and the live image appears on the Sivision monitor.
- ↳ The text "CAM" is displayed on the EasyPad.
- ↳ The Sivision dialog is displayed on the EasyTouch.



Generating a still image

- ✓ The live image is displayed on the Sivision monitor.
- 1. Step on the **foot pedal**.
- ↳ The display switches from live to still image.
- 2. Press the foot pedal again.
- ↳ The live image is again displayed on the Sivision monitor.

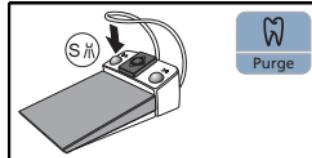


If the treatment center is equipped with an autofocus camera and the C+ electronic foot control, it can be configured in setup that the camera image can be focused with the foot switch. If this function is switched

on, the foot pedal must be pressed down fully to switch between live and still images.

Saving an image

- ✓ The patient must be registered in Sidexis.
- ✓ The still image to be saved is displayed on the Sivision monitor.
- Press the **left button** of the C+ electronic foot control or press the *Endo / Purge* key on the EasyPad.
- ↳ An acoustic signal sounds. The still image is displayed in an additional Sidexis window and saved in the patient database.



Sivision program

The Sivison Connect and/or Siucom Plus PC application enables communication between the treatment center and the PC. **For operating from the PC, Siucom Plus the EasyTouch comfort user interface are required.** Thus, the PC can also be operated directly on the touchscreen and in conjunction with the intraoral camera from the C+ electric foot switch.

For details, please refer to the "Installation and configuration of Siucom Plus / Sivision Connect" manual.

The treatment center can be operated with the following PC versions:

- External PC

The treatment center can be connected to an external PC via an Ethernet cable. PC applications such as Sidexis, Microsoft® PowerPoint®, Windows Medioplayer, and Si Video can also be controlled from the treatment center.

- Operation without PC

The use of Sivision is not possible.

The Si video application is used in treatment centers with an external PC on which Sidexis is not installed. In these cases, Si Video serves as a video application for the camera.

Starting PC communication

- ✓ All PC applications which were started from the treatment center have been terminated.
- ✓ Siucom Plus has been started, e.g. via Autostart.

1. Touch the *Sivision dialog* key on the touchscreen.

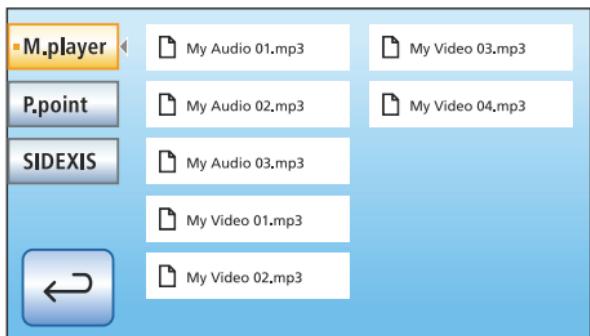
If intraoral images are desired: Remove the intraoral camera from the holder. The Sidexis or Si Video PC application starts immediately.

2. The *Sivision dialog* is displayed on the touchscreen.





2. Select the desired PC application from the left side of the touchscreen.



The *File selection* dialog opens for PC applications that can access files of the PC. Select the desired file by touching it.

A number of buttons which can be used to control the selected PC application then appear on the touchscreen.



The keys displayed on the touchscreen and their arrangement are preconfigured at the factory. The configuration can, however, be individually customized - see "Installation and configuration of Siucom Plus / Sivision Connect". There it can also be defined which file folder the *File Selection* screen should access for each PC application.

The following overview shows the keys available for configuring the Sidexis and Media Player PC applications.

Communication with Sidexis

	Next image		Relief display filter
	Tiled layout		Smooth image
	Cascaded layout		Sharpen image
	Full frame		Undo
	Zoom in/out		Restore original image
	Rotate image 90° left/right		Close current media window
	Rotate image 180°		Close all media windows
	Contrast optimization filter		

Media Player

	Previous/next title		Mute
	Stop playback		Adjust volume
	Start/interrupt playback		

Configuration of the treatment center (setup)

Various treatment center functions can be individually configured via the Setup settings. The treatment center can thus be adapted to match the user's personal method of treatment.

Configuration on the EasyPad

- ✓ All instruments are in their holders.
- ✓ The required user profile is active.
- Press and hold the 2 / Setup favorite key (> 2 s).

The *Setup* operating context opens. The first *Time* selection context appears on the EasyPad display.

The *Setup* operating context contains several selection contexts. The active focus flashes.

Press favorite key 2/*Setup* to select the next focus item or display the next selection context.

The setting occurs using the left and right arrow keys to Favorites field.

The following Setup settings can be performed:

Setting the time and date



Presetting the timer



Switching the key sound on/off



Coupling suction to the 4-way foot switch

Switching the water heater on/off

P u 120

Setting the purging time for the purge function

AP 120

Setting the purging time for the autopurge function

CHE 3

Adjusting the cleaning agent mixture for chemical suction hose cleaning (0 to 5 %)

SPr 0

Switching afterblow on/off

RF 1

Switching on/off the foot control function for intraoral camera focus



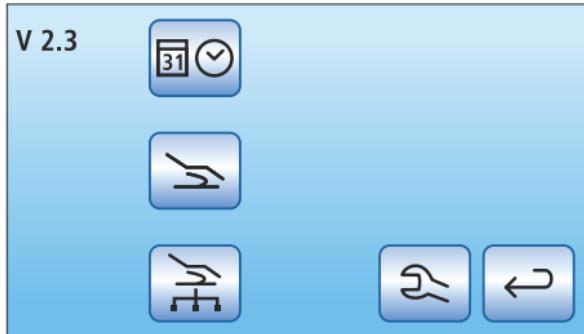
Configuration with the EasyTouch

✓ All instruments are in their holders. The *Start Program* is displayed on the touch-screen.

1. Press the *Sub-dialog* fixed key.

2. Touch the *Setup* key.

↳ The Setup program appears on the touchscreen.



You can adapt the basic settings of the treatment center in three sub-screens. The selected function is highlighted by an orange frame.



Setting the time and date



Setting the date



Setting the time



Switching 12/24 hour display

Configuring control options



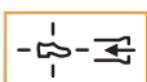
Preselecting the number of user profiles



Adjusting the touchscreen brightness



Switching the key sound on/off



Coupling suction to the 4-way foot switch



Switching afterblow on/off



Switching on/off the foot control function for intraoral camera focus



Key for showing/hiding white screen on Sivision monitor



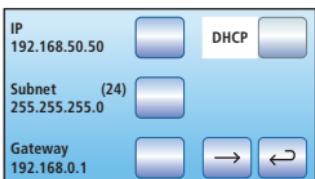
Adjust cleaning agent mixture for suction hose cleaning (with the chemical option)



Switching the water heater on/off



Configuring the network connection



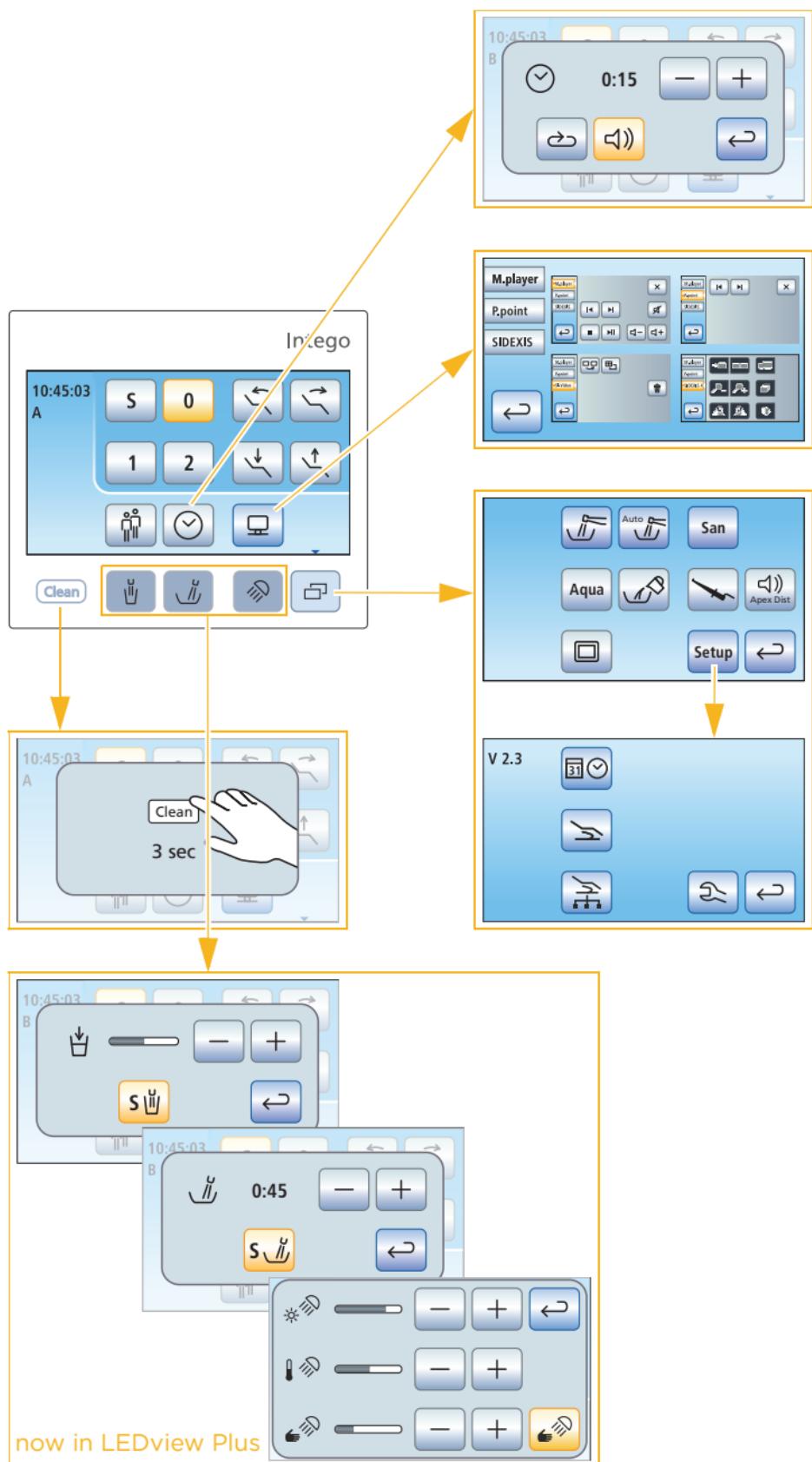
For more information, please refer to your complete Intego Operating Instructions or the Installation Instructions.

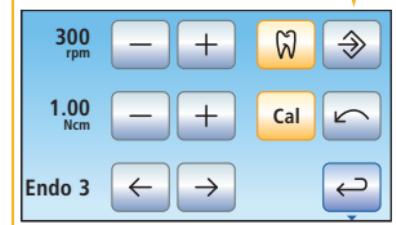
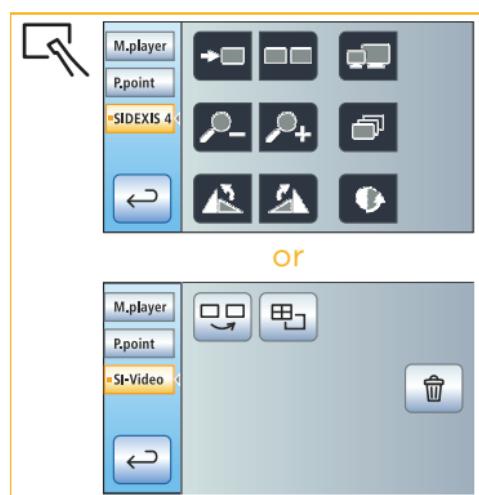
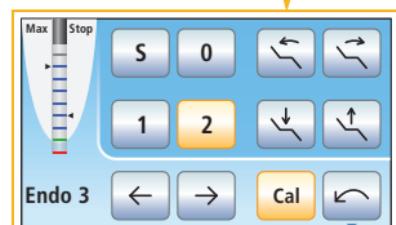
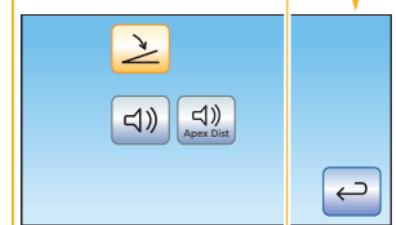
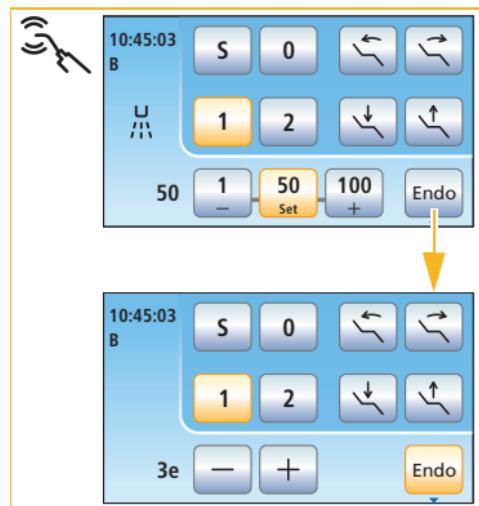
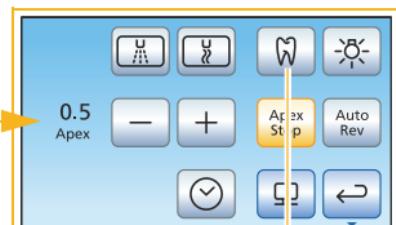
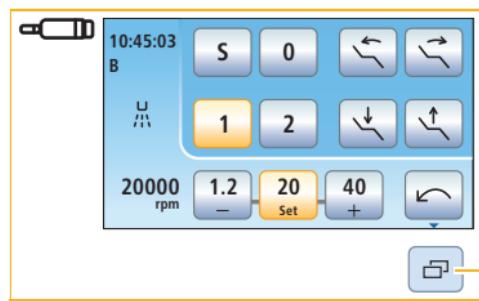
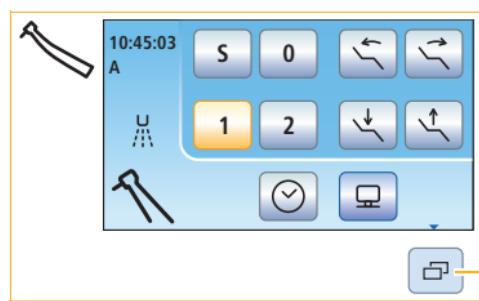


Service domain

For service engineers only!

Overview of the touchscreen dialog





Subject to technical changes and errors
Print no. D3509.202.01.05.02 Order no. 64 57 654 08.2017 Change no. 123 996

Dentsply Sirona

Sirona Dental Systems GmbH
Fabrikstrasse 31
64625 Bensheim
Germany
dentsplysirona.com

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