

# XO<sup>®</sup> 4-1

## Quick Guide

Switch on/off XO 4 with the green main switch on the rear of the unit stand.

When a unit instrument is lifted forward XO Foot Control manages this instrument - see next page.

**When all unit instruments rest** XO 4 Unit and Chair functions are managed with XO Foot Control and XO Joystick.

Operate the **cuspidor** manually either with  or with XO Foot Control .

Activate **cup filler** with  to add water.

**Suction** starts automatically when hoses are lifted from holder.

Manage **XO 4 Lamp** with no touch sensor under lamp head.

Hold your hand within activation distance for less than 1 second and lamp switches on/off. Hold hand for more than 1 second to adjust light intensity.

Use  to **call dental assistant**.

## Unit and Chair

Bring **XO 4 Chair** to Position 1 with  and to Position 2 with .

First time  is activated chair goes to Rinse Position.

Second time  is activated chair goes to Zero Position.

If  is activated twice within 1 second chair goes directly to Zero Position.

Go to Last Position with .

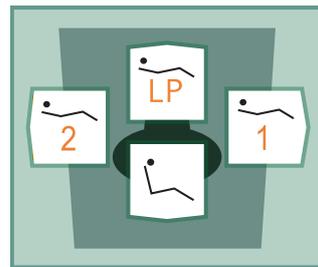
**Emergency stop chair:** Stop chair immediately while moving by touching any switch on XO Foot Control or XO Joystick (except .



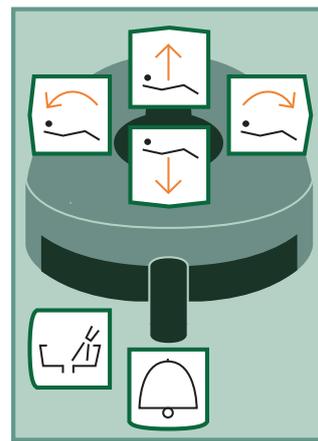
 and  switches.



No touch sensor.



XO Joystick on chair base.



XO Foot Control.

-  Working Position 1
-  Working Position 2
-  Once: Rinse Position  
Twice: Zero Position
-  Last Position
-  Lift chair
-  Lower chair
-  Back rest: Tilt forward
-  Back rest: Tilt backward
-  Call dental assistant
-  Start & stop cuspidor flush
-  Start & stop cup filler

## Micro Motor

Lift **micro motor** forward and control it with XO Foot Control.

Run motor clockwise with  or counter clockwise with  in the range 250 – 40.000 rpm.

Change spray selection: water & air, air only or no spray with .

## Turbine

**Lift turbine forward** and control it with XO Foot Control.

Start/stop turbine with  or .

Change spray selection: water & air or no spray with .

## Ultrasonic Scaler

**Lift scaler forward** and control it with XO Foot Control.

Start/stop oscillation (power) of scaler with  or .

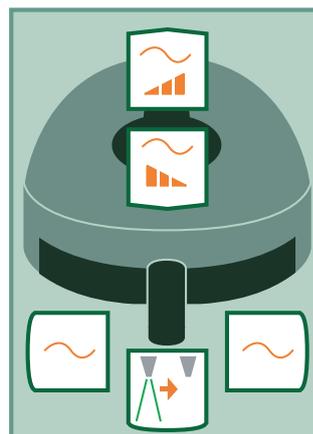
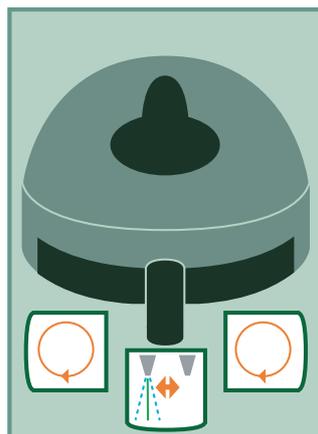
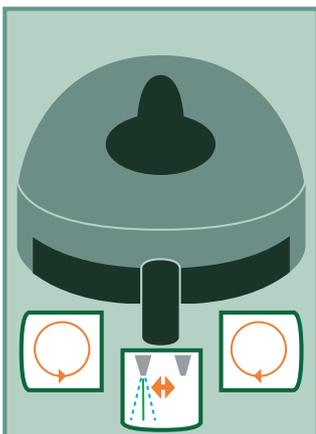
Switch cooling irrigation on/off with .

Choose between 3 power settings:

Increase level with   
Decrease level with .

See current power setting on display:

-  Minimum level
-  Medium level
-  Maximum level



## Light Curing Lamp

**Lift light curing lamp forward** and control it with XO Foot Control.

Exposure time is preset to 20 seconds.

Start curing process with  or .

Hear a beep after each 10 seconds.

## Intraoral Video Camera

Unlike all other unit instruments you may use video camera also when another instrument is active.

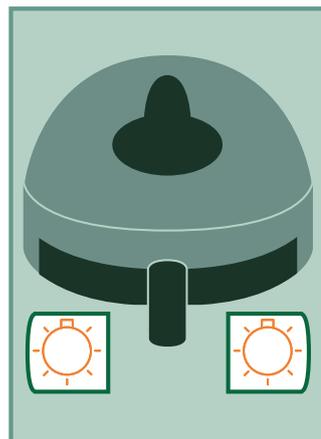
**Lift camera forward** and display a video image on a screen.

Control video camera with XO Foot Control when no other instruments are active.

Toggle between “still” and “live” mode with .

**Note:** “Still” function requires installation of appropriate software on connected PC.

	Spray air & water
	Spray water
	Spray air
	No air or spray water.



	Start rotation counter clockwise
	Start rotation clockwise
	Spray selection
	Power on Scaler
	Irrigation on/off Scaler
	Increase maximum power / Scaler
	Decrease maximum power / Scaler
	Start LC Lamp
	Still / Live mode Video Camera

## Maintenance

## Infection Control Routines

If XO Foot Control slides on floor when activated:

Clean rubber feet under foot control with benzine.

### Important note:

After disinfecting the instrument bridges' surface, please do not replace the rubber protection pad until the surface is completely dry.



### Important note:

In the event that the instrument hoses have been removed, one must ensure that the plugs and sockets are completely dry before the hoses are re-mounted on the instrument bridge again.



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### In the morning before first patient

1. Finish water line disinfection procedure:
  - Check that unit instruments are still in instrument holder on cuspidor
  - Switch on unit
  - Unit water lines are automatically flushed with disinfection liquid
  - See status on display
2. Fit sterile / disinfected / new:
  - Unit instrument pad
  - Unit instruments
  - Cup
  - Handles on instrument bridge, lamp and screen
  - Suction filters and covers for suction nozzles.

### After each patient

1. Remove contaminated:
  - Unit instruments
  - Unit instrument pad
  - Cup
  - Handles on instrument bridge, lamp and unit screen
2. Clean and disinfect surfaces
3. Fit sterile / disinfected:
  - Unit instrument pad
  - Unit instruments
  - Cup
  - Handles on instrument bridge, lamp and screen
4. Fit disinfected:
  - Cuspidor bowl, gold trap and cup holder. (After placing the cuspidor bowl, turn the cuspidor faucet back to the right position)
5. Start water line disinfection procedure:
  - Place all unit instruments in instrument holder on cuspidor
  - Press  to empty expansion container
  - Switch off unit leaving unit instruments in instrument holder on cuspidor

### In the evening after last patient

1. Disinfect suction system:
  - Activate 
  - Fit both suction hoses on disinfection nipples
  - Activate 
  - See status on display
2. Remove contaminated:
  - Unit instruments
  - Unit instrument pad
  - Cuspidor bowl, gold trap and cup holder (turn the cuspidor faucet before moving the cuspidor bowl)
  - Handles on instrument bridge, lamp and screen
  - Suction filters and covers for suction nozzles
3. Clean and disinfect surfaces and chair upholstery



Water line disinfection.



Suction hoses fitted at disinfection nipples.



Removal of cuspidor bowl.



XO 4 parts, which are autoclavable (134 °C).



Parts, which may be washed in a thermo-disinfector (90 °C).



Clean rubber feet under XO Foot Control regularly with benzine.