

OPERATION GUIDE LOGIC



R_x only



Attention: Carefully read this manual
before operating the Olsen's equipment!

Olsen
Equipment made to last

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1 - Introduction

Congratulations on choosing an Olsen equipment!

The purpose of this guide is to present instructions for operating the dental equipment of the Logic line. The images are merely illustrative and do not represent the configuration of models or the availability of items and accessories.

The *User Manual Dental Line* is supplementary to this guide and should be read before operating the equipment. It is provided in digital format (PDF) along with the order confirmation for your equipment. The user manual presented the descriptive and technical information, installation instructions, maintenance, cleaning, precautions of use and regulatory guidelines.

Standard Information - Indications for Use:

Infinity Pro, Logic, Quality, Sprint are intended for use in general dental applications by providing the dental practitioner a user interface to control operation of the dental chair and attached dental devices. The system delivers air, water, electricity, and vacuum to allow the dental practitioner an intuitive control center for all common and normal patient treatment procedures performed by the dentist / dental assistant.

2 - Package Contents

The Logic line equipment is available in 2 packages, one for the chair and the other for the equipment. Check the contents of each package below:



Dental Chair Box:

Standard Items:

1 Dental Chair Logic

Optional Items:

Junction Box



Delivery Unit Box:

Standard Items:

1 Delivery Unit Logic

1 Operation Light

1 Packing Support

Optional Items:

Cart System

Dental Cart Unit K10

Monitor Holder

Notes: items availability in the packaging may change in the case of the customer order.

3 - Equipment Presentation

3.1 - Standard Items

3.1.1 - Dental Chair

3 Programmable Work Positions
Automatic Zero Position
Spit Position
Remote Foot Pedal
Swivel Right Armrest
Integrated Junction Box
Multi-articulated Headrest

3.1.2 - Water Unit

Swivel at 90°
Translucent Spittoon Bowl
Bowl Flush Water Control and Cup Filler with Timer
Additional 3-Way Syringe
Venturi Saliva Ejector
LED Curing Light

3.1.3 - Operating Light

Concept Plus LED 8.000 a 30.000 Lux
On/Off on the Headlight (Sensor and Knob), Pedal
or Command Panel
Removable Side Handles
Multifaceted Mirror

3.1.4 - Delivery System

Coupling for Low-speed Handpiece with Cooling
Coupling for High-speed Handpiece
3-Way Syringe
Stainless Steel Tray
Flex Arm with Pneumatic Lock and Capacitive
Sensor
X-Ray Viewer

3.2 - Optional Items

Anti-Stress System
Motion Blocking Function
Anti-crushing System
Automatic Vapor Drain
Cross Flex Working Table
Cart System
Additional Handpiece Position
Air Jet System
Optical Fiber Handpiece Coupling
Midwest Couplings
Blue Touch Panel
ChronoLub System with Multifunction Display

Thermo Comfort System
Monitor Holder
Premium LED Operating Light 8.000 a 30.000 Lux
High Power Vortex Saliva Ejector
Vacuum Pump Adaptor Set
Quick Coupler for Saliva Ejectors and/or Vacuum
Pump
3-Way Syringe on Assistant Module
Blue Touch Panel in the Assistant Module
Porcelain Spittoon Bowl
Junction Box

Note: optional items are defined on the customer's order.

4 - Parts Identification



- A - Delivery System
- B - Electrical Panel
- C - Remote Foot Pedal
- D - Working Table
- E - Assistant Module
- F - Operating Light
- G - Dental Chair
- H - Water Unit

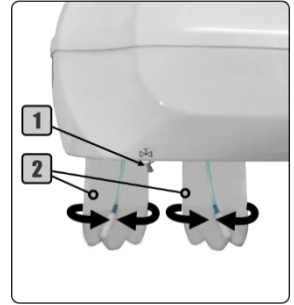
5 - Equipment Operating and Description

5.1 - Before Turning On the Equipment

- 1° - Check if the equipment is properly installed in accordance with the instructions in *chapter 6 (Installation)* of the *User Manual Dental Line*;
- 2° - Turn On the air compressor that supplies the equipment;
- 3° - Open the main water supply valve of the equipment;
- 4° - Turn On the equipment's power circuit breaker.

5.2 - Turning On the Equipment

- 1° - Turn On the On/Off switch (3) on the base of chair;
- 2° - Activate the "Seat Up" command on the pedal (section 5.3) until the seat reaches its maximum height limit;
- 3° - Close the pressure valve (1);
- 4° - Make sure the water tanks (2) are filled with water. If necessary, fill it with drinkable water up to the limit indicated in each tank and reattach them again. If you wish to place prophylactic products (low concentration);
- 5° - Open the pressure valve (1) and check if the water tanks (2) are well attached and free of leaks;
- 6° - Before starting to use the equipment, check the operation of all available instruments and controls and perform cleaning and sterilization of the instruments (*chapter 7 of the User Manual Dental Line - Cleaning and Disinfection*).



The second tank is part of the structure depending on the equipment configuration

5.2.1 - Delivery System

- 1 - Pressure Valve
- 2 - Water Tanks

5.2.2 - Electric Panel

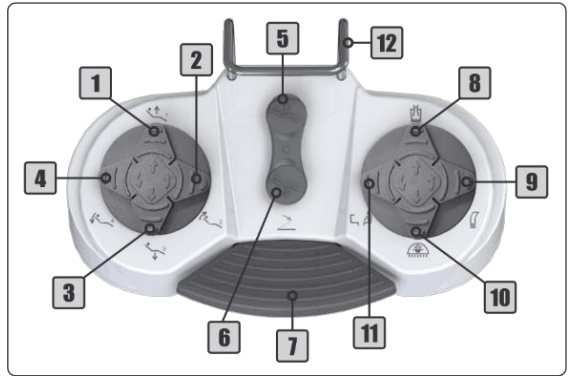
- 3 - On/Off Switch
- 4 - Fuse Holder
- 5 - Digital Voltmeter (Optional)

5.2.3 - Digital Voltmeter

When the On/Off switch is turned On, the voltmeter display will show the equipment mains voltage.

5.3 - Remote Foot Pedal Commands

- 1 - Seat Up (↑)/Position 1
- 2 - Backrest Up (↖)/Position 2
- 3 - Seat Down (↓)/Position 3
- 4 - Backrest Down (↙)/Spit Position
- 5 - Work Position
- 6 - Zero Position
- 7 - Propulsion/Activation Pedal
- 8 - Cup Filler
- 9 - On/Off Vortex Saliva Ejector
- 10 - On/Off Operating Light
- 11 - Spittoon Bowl Flush
- 12 - Metal Handle



5.4 - Working Table

5.4.1 - Logic Working Table

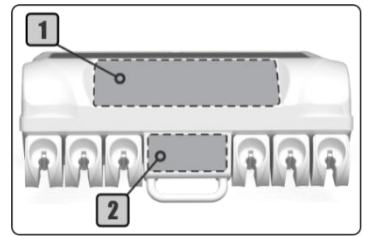
- 1 - Command Panel
- 2 - Instruments Control Panel



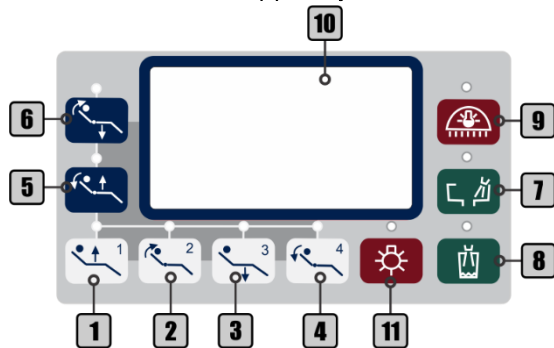
The layout of the controls and panels may vary according to customer order and available handpieces.



Some functions indicated on control panel may not be available according to the equipment configuration.

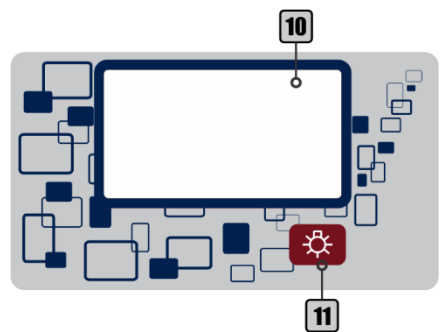


Command Panel Models (1) - X-Ray Viewer:



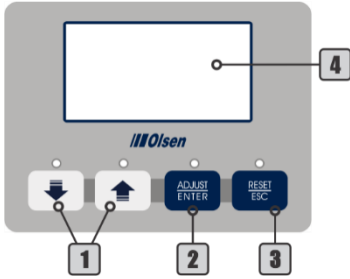
- 1 - Seat Up/Position 1
- 2 - Backrest Up/Position 2
- 3 - Seat Down/Position 3
- 4 - Backrest Down/Spit Position

- 5 - Work Position
- 6 - Zero Position
- 7 - Spittoon Bowl Flush
- 8 - Cup Filler



- 9 - On/Off Operating Light
- 10 - X-Ray Viewer
- 11 - On/Off X-Ray Viewer

ChronoLub System and Multifunctional Display (Optional)



- 1- Adjustments
- 2 - Adjust/Enter
- 3 - Reset/Esc
- 4 - Multifunctional Display

Instruments Control Panel (2):

The knobs presented below can be presented on the instrument panel according to the instruments available at the dental table.



Version with ChronoLub System (Optional)



- 1- Optical Fiber Water Control
- 2- Optical Fiber Water Control – with ChronoLub System Panel

5.4.2 - Logic Cross Flex Working Table

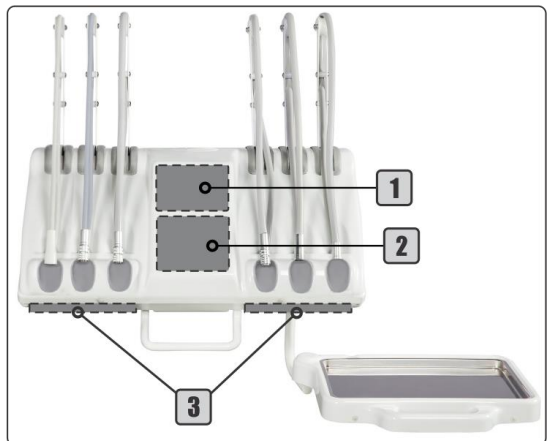
- 1 - Top Panel Cross
- 2 - Command Panel
- 3 - Instruments Control Panel



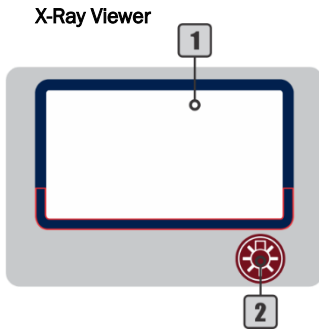
The layout of the controls and panels may vary according to customer order and available handpieces.



Some functions indicated on control panel may not be available according to the equipment configuration.

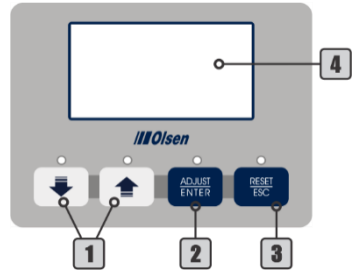


Top Panel Cross Flex (1) Models:



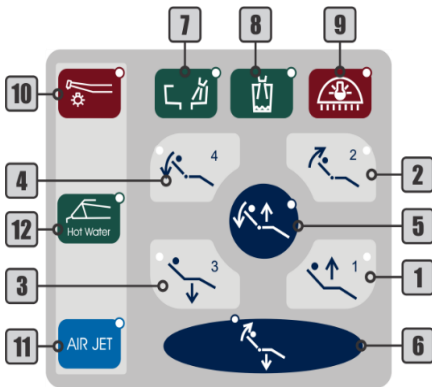
- 1 - X-Ray Viewer
- 2 - On/Off X-Ray Viewer

ChronoLub System and Multifunctional Display (Optional)



- 1 - Adjustments
- 2 - Adjust/Enter
- 3 - Reset/Esc
- 4 - Multifunctional Display

Command Panel (2):



- 1 - Seat Up/Position 1
- 2 - Backrest Up/Position 2
- 3 - Seat Down/Position 3
- 4 - Backrest Down/Spit Position
- 5 - Work Position
- 6 - Zero Position
- 7 - Spittoon Bowl Flush
- 8 - Cup Filler
- 9 - On/Off Operating Light
- 10 - On/Off Optical Fiber Light
- 11 - On/Off Air Jet System
- 12 - On/Off Thermo Comfort System

Instruments Control Panel (3):



- 1 - Optical Fiber Water Control

Note: This control is provided below the instrument to which it refers.

5.4.3 – Flex Arm

Features 2 articulations and pneumatic lock that are disabled by touching the capacitive handle (2), allowing the working table movement.



Do not move the table upright without disabling the pneumatic brake. This may damage the flex arm locking system.



5.5 - Water Unit

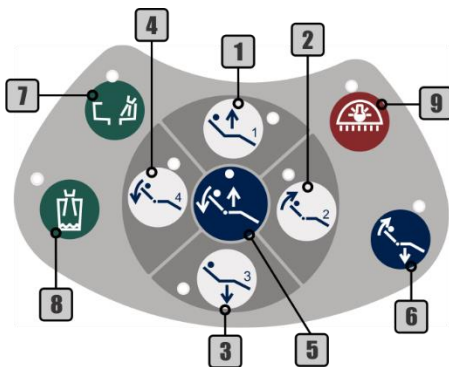
For **water commands**: use water commands on remote foot pedal (section 5.3) or command panels on working table (sections 5.4) and assistant module (sections 5.6).

The water spouts for spittoon bowl (2) and cup filler (1) are removable.



5.6 - Assistant Module

Assistant Module Commands (1):



- 1 - Seat Up/Position 1
- 2 - Backrest Up/Position 2
- 3 - Seat Down/Position 3
- 4 - Backrest Down/Spit Position
- 5 - Working Position
- 6 - Zero Position
- 7 - Spittoon Bowl Flush
- 8 - Cup Filler
- 9 - On/Off Operating Light

Note: the layout of the assistant module may vary according to customer order or available handpieces.

5.7 - Operating Lights

5.7.1 - Concept Plus LED

To **activate the operating light**: press the On/Off operating light command (1) on the command panel (section 5.4 and 5.6) or remote foot pedal (section 5.3) to enable sensor (3) and control lever (2).

To **turn On/Off the operating light**: pass the hand in front of the sensor (3) approximately 5 cm away or press the control lever (2).

To **change the light intensity**: hold your hand in front of the sensor (3) or turn the control lever (2) until the operating light shows the desired intensity.

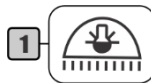


5.7.2 - Premium LED (Optional)

To activate the operating light: press the On/Off operating light command (1) on the command panel (section 5.4 and 5.6) or remote foot pedal (section 5.3) to enable sensor (5) and control knob (4).

To turn On/Off the operating light: pass the hand in front of the sensor (5) approximately 5 cm away or press the control knob (4).

To change the light intensity: hold your hand in front of the sensor (5) or turn the control knob (4) until the operating light shows the desired intensity.



5.8 - Dental Chair

To move backrest and seat use the keys on the command panel (section 5.4 and 5.6) and in the buttons located on remote foot pedal (section 5.3).



Seat Up (↑)



Seat Down (↓)



Backrest Up (↖)



Backrest Down (↘)

5.8.1 - Zero Position

Press the Zero Position key to automatically adjust the seat to the lowest position and backrest in the highest position simultaneously, to facilitate patient entry and exit.



5.8.2 - Work Position

To save a work position:

1° - Press the Zero Position key (section 5.8.1);

2° - Adjust the backrest to the desired position;

3° - Adjust the seat to the desired position;

4° - Press the Work Position key for 5 seconds. The equipment will emit 2 long beeps;

5° - Press command 1 (Seat Up) while the equipment beeps; The equipment will emit 2 short beeps to confirm the procedure;

Note: the time to record the working position is only 2 seconds between steps 4 and 5, then when you hear the first long beep (step 4), quickly press one of the available commands (1 to 3) to record the working position. If none of the available commands are pressed during this time, the equipment will emit 3 short beeps, canceling the operation.

6° - Press the Zero Position key (section 5.8.1).

Repeat the previous steps by replacing the command 1 by the command 2 (Backrest Up) to record the working position 2 or by the command 3 (Seat Down) to save the working position 3.

To perform a working position:

1° - Press the Work Position key; The equipment will emit a short beep;

2° - Press the command for the desired saved working position (1 to 3); The equipment beeps twice confirming the operation.

The dental chair moves the backrest and seat simultaneously to the previously saved position and lights the operating light at the last intensity used.

Note: after pressing the Work Position key, the time for position selection is 4 seconds. If no key is pressed within this time, the equipment cancels the operation.



5.8.3 - Spit Position

To perform a spit position:

1° - Press the Work Position key (section 5.8.2);

2° - Press the command 4 (Backrest Down).

The equipment emits 2 beeps, turn Off the operating light, the backrest goes up and activates the water in the bowl. After 8 seconds, the equipment returns to the position before the command.

Note: the spit position is pre-recorded at the factory and cannot be changed.

5.8.4 - Multi-articulated Headrest

To adjust the headrest position: turn the knob (1) counterclockwise, adjust the headrest (2) in the desired position. Turn the knob (1) clockwise to lock the headrest in the set position.

To adjust the height of the headrest: move the bar (3) until you reach the position. The headrest bar allows adjustment with up to 15 cm from the backrest.



5.8.5 - Swivel Armrest

To move the swivel armrest: press the trigger (1) and push the armrest down.



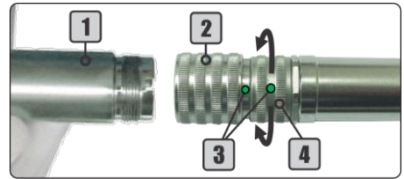
6 - Instruments Operation

6.1 - Pneumatic Handpiece Couplings

Before starting the operation connect the handpiece (1) to the coupling by attaching it to the coupling ring (2), ensuring that it is properly connected and that there is no leakage of air or water.

To activate the rotation: press the propulsion/activation pedal (5). The higher the pressure applied to the pedal, the more speed in the handpiece, until reaching the pressure limits of the equipment.

To adjust the spray: turn the adjusting ring (4) until the desired volume of water. To adjust the maximum flow of water, bring the spray adjustment indicators (3) closer to each other. To decrease the flow of water, rotate the ring so it distances one indicator from the other. The completely opposite points indicate the minimum water regulation for the spray.



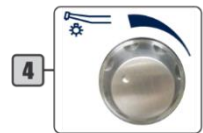
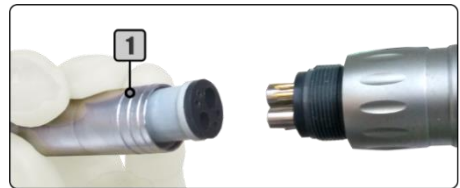
6.2 - Optical Fiber Handpiece (Optional)

Before starting the operation connect the optical fiber handpiece to the coupling by attaching it to the coupling ring (1), ensuring that it is properly connected and there is no leakage of air or water.

To activate the rotation: press the propulsion/activation pedal (2). The higher the pressure applied to the pedal, the more speed in the handpiece, until reaching the pressure limits of the equipment.

To turn the coupling's light On/Off: use the On/Off optical fiber light (3) on the command panel (section 5.4) of the working table.

To adjust the spray: use the optical fiber water control knob (4) on the instruments control panel (section 5.4).



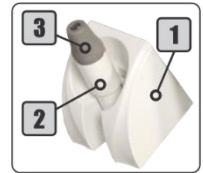
6.3 - Venturi Saliva Ejector

Before starting the operation with the Venturi saliva ejector (2), insert the cannula into the Ø6,3 or 9,5 mm adapter (3).

To activate the suction: remove the ejector (2) from the holder (1).

To deactivate the suction: place the ejector in its holder (1).

The cannula adapter (3) is removable for cleaning.



6.4 - High Power Vortex Saliva Ejector (Optional)

Before starting the operation with the Vortex saliva ejector (2), insert the cannula into the Ø 6,3, 9,5 or 11 mm adapter (3).

To enable/disable suction: use the On/Off Vortex saliva ejector button (1) on the remote foot pedal (section 5.3).

The cannula adapter (3) is removable for cleaning.



6.5 - Vacuum Pump Adaptor (Optional)

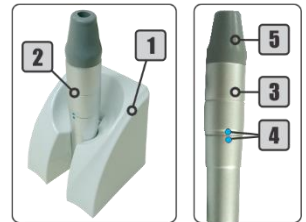
Before starting the operation with the Vacuum Pump saliva ejector (2), insert the cannula into the Ø 6,3, 9,5 or 11 mm adapter (5).

To activate suction: remove the vacuum pump suction (2) from its holder (1). The vacuum pump will work automatically.

To adjust suction flow: to decrease the suction flow, turn the adaptor's body (3) away from the indicators (4). The more distant, the smaller the suction. For the maximum suction flow, align the indicators (4).

To deactivate the suction: place the vacuum pump in its holder (1).

The cannula adapter (5) is removable for cleaning.



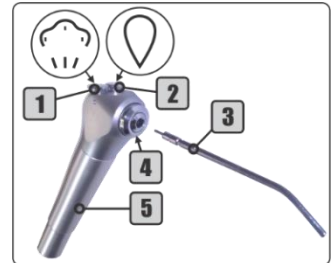
6.6 - Way Syringe

Before beginning the use of the 3-way syringe (5), connect the syringe tip (3) by pressing the locking ring (4) into the correct fit.

To emit air jet: press the air button (1).

To emit water jet: press the water button (2).

To emit spray jet: press simultaneously the air (1) and water buttons (2).



7 - Accessory Operation

7.1 – ChronoLub Control Panel (Optional)

1 - Decreases

2 - Increases

3 - Adjust/Enter

4 - Reset/Esc

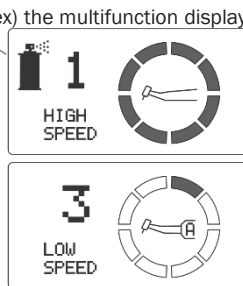


7.1.1 - ChronoLub Operation

When removing the handpiece from the holder or extending the rod (Cross Flex) the multifunction display will identify whether the coupling is for low or high rotation, show the number of its position on the working table (1 to 5), and a segmented circle that represents the time of use of the handpiece. When the last segment starts blinking, the handpiece can be used for another 2 minutes.

When you run out of time, the screen will show a spray can and will emit 3 beeps. From this moment whenever the handpiece is removed from the holder, the system will beep, repeating the warning every 2 minutes while the handpiece is in use or out of the holder.

After lubricating the handpiece, with it out of the holder, or with the extended rod (Cross Flex), press the Reset/Esc key (4) for 3 seconds to restart the timing. This procedure can be done at any time.



7.1.2 - Clock - Date and Time (Optional)

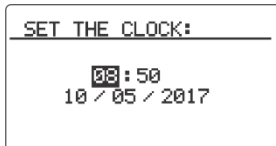
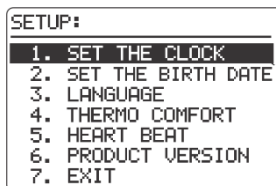
To access the Clock function: press the Adjust/Enter key (3) for 3 seconds to access the "AJUSTE" screen. Use the adjustment keys (1 and 2) to select the "1. RELÓGIO" option.

To adjust the clock: press the Adjust/Enter key (3) to access the "AJUSTAR O RELÓGIO" screen. Use the adjustment keys (1 and 2) to change the selected value.

To toggle the selection between hour, minute, day, month and year: use the Adjust/Enter key (3).

To save the changes: press the Adjust/Enter key (3) for 3 seconds.

To cancel and return to the previous screen: press the Reset/Esc key (4).



7.1.3 - Birthday (Optional)

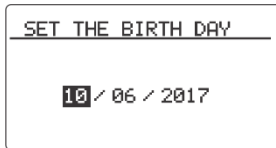
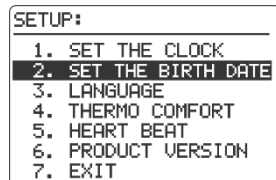
To access the Anniversary function: press the Adjust/Enter key (3) for 3 seconds to access the "AJUSTE" screen. Use the adjustment keys (1 and 2) to select the "2. ANIVERSÁRIO" option.

To change the anniversary date: press the Adjust/Enter key (3) to access the "AJUSTE ANIVERSÁRIO" screen. Use the adjustment keys (1 and 2) to change the selected value.

To change the selection between day, month and year: use the Adjust/Enter key (3).

To save the changes: press the Adjust/Enter key (3) for 3 seconds.

To cancel and return to the previous screen: press the Reset/Esc key (4).



Heart Beat function is not available for USA market.

7.2 - Thermo Comfort (Optional)

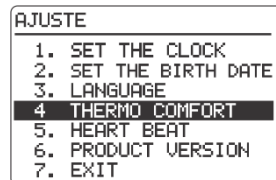
To activate/deactivate the Thermo Comfort system: use the Thermo Comfort On/Off key (1) on the command panel (section 5.4).



To access the Thermo Comfort screen: press the Adjust/Enter key (3) for 3 seconds to access the "AJUSTE" screen. Use the adjustment keys (1 and 2) to select the "3. THERMO COMFORT" option.

To adjust the water temperature: press the Adjust/Enter key (3). Use the adjustment keys (1 and 2) to change the temperature. Press the Adjust/Enter key (3) to save.

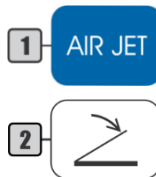
To cancel and return to the previous screen: press the Reset/Esc key (4).



7.3 - Air Jet (Optional)

To activate/deactivate the Air Jet system: use the On/Off Air Jet key (1) on the command panel. When Air Jet system is activated, the continuous air jet starts as soon as the handpiece is removed from the holder.

When pressing the propulsion/activation pedal (2), the system is interrupted, and the handpiece operates normally. When releasing the propulsion/activation pedal (2), the air jet will restart until the system is turned Off or the handpiece is placed in its holder.



7.4 - X-Ray Viewer

To turn On the x-ray viewer: press the On/Off key (1) on the command panel (section 5.4).



7.5 - Anti-Stress System (Optional)

To activate/deactivate Anti-Stress system: press the “On/Off” key (5).

To enable the automatic massage system: press the “AUT” key (3). The system will start executing 15 types of massage combinations, alternating one combination every minute.

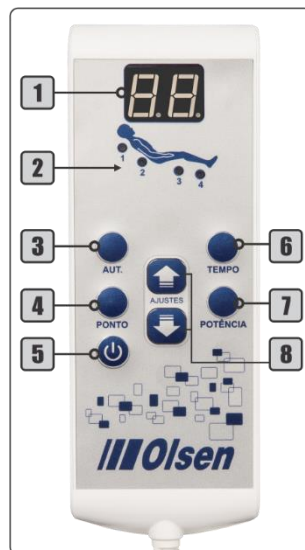
To toggle massage combinations: use the “AJUSTES” keys (8) while performing automatic massage to advance or repeat the desired massage combination.

To adjust the massage time: press the “TEMPO” key (6) and then use the “AJUSTES” key (8) to adjust the duration of the massage (from 5 to 45 minutes).

To adjust the vibration power: press the “POTÊNCIA” key (7) and then use the “AJUSTES” key (8) to adjust up to 10 levels of vibration intensity for the massager’s motors.

To enable/disable massagers: use the “PONTO” key (4) to define which massagers should work during the massage. Use the “AJUSTES” key (8) just after the “PONTO” key (4) to customize the running massages. The LED’s (2) indicated the motor that will be active.

To restore factory settings: press the “AUT” key (3) twice quickly.



After 20 seconds after the last command executed, the display (1) will show the initials AU, but without affecting the settings made in the Anti-Stress system.

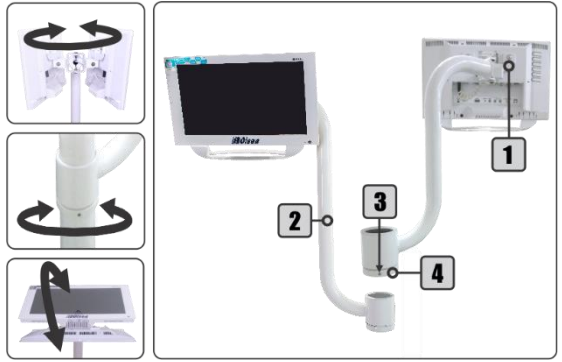
7.6 - Monitor Holder (Optional)

The monitor holder (2) features a VESA plug-in standard (1) to support 14" to 19" monitors. The monitor holder fits perfectly on the dental reflector arm with fixing ring (4) secured with a 3 mm Allen screw (3).

The monitor holder features a rotation on the axis, tilt adjustment and lateral rotation for the monitor.

Do not use on the monitor holder:

- 1 - Equipment powered with more than 24 Volts;
- 2 - Equipment with weight more than 1 kg.












































The monitor is not provided with the holder.














7.7 - Cart System

See the *User Manual Dental Line*.

8 - Symbology

The symbology complies with IEC 60601-1, IEC 60878, ISO 15223-1, ISO 7010.

	Patient Chair Up (Dental)		Patient Chair Down (Dental)		Zero Position
	Backrest Up		Backrest Back		Work Position
	Bowl Flush		Cup Filler		Multifunction Syringe (Air-Water)
	Dental Air Motor		Turbine		Turbine with Illumination
	Saliva Ejector		Suction Handpiece		Suction Handpiece with Hand Control Valve
	Variability, for Rotating Movement		Dental Operating Light		Lighting
	Pneumatic Brake		Hand Control Valve		Foot Switch
	Spray-cooling		"OFF" (Power)		"ON" (Part of the Equipment)
	Stop		"ON" (Power)		"OFF" (Part of the Equipment)
	Emergency Stop		"ON"/"OFF"		Write Data into Store (Selection)
	Manufacturer		Caution		Warning, Electricity
	General Warning Sign		Level		Sterilizable Up to the Temperature Specified
	Operating Instructions		General Prohibition Sign		Refer to the Instruction Manual
	General Mandatory Action Sign		Stepping Prohibited		

	Type B Applied Part		Serial Number		Protective Earth (Ground)
	Earth (Ground)		Keep Away from Heat		Humidity Limitation
	Fragile, Handle with Care		Temperature Limitation		Keep Dry
	Heaping Up		This Side Up		Alternating Current
		Authorized Representative in the European Community			

9 - Olsen Accredited Technical Assistance Network

To access the Olsen certified technical assistance network for installation and maintenance, contact us by e-mail export3@olsen.odo.br or by phone +55 48 2106 6000.



The installation and maintenance of the equipment and its accessories must only be carried out by Olsen Technicians.



Use Olsen genuine parts only. The use of non-genuine parts, accessories or components may compromise the proper functioning of the equipment.



Do not make adaptations, modifications or changes to the equipment, its components or accessories.

10 - Warranty Terms

The warranty period is of 12 months starting from the equipment's installation date since the installation be made during the 90 days after the purchasing date and under the terms of this certificate.

- 1** - The maximum storage period must be 3 months from the purchasing date. In case of this period is exceeded, the warranty period will start counting even if the product is kept in storage.
- 2** - Upholstered parts are under warranty for 6 months.
- 3** - Operating light mirror, fuses, wires, and transformers are not covered by this warranty.
- 4** - The warranty is limited to the repair or replacement of defected parts and does not cover defects originated by:
 - a) Non-observance of the use and maintenance instructions;
 - b) Falls, crashes and inadequate storage;
 - c) Effects caused by the agents of nature;
 - d) Damage caused to the upholstered parts, due to improper use of chemical products, exposure to inadequate weather conditions, contact with fabrics, leather, disposable gloves, paints, pigmented detergents, cutting or piercing objects;
 - e) Damage to painted parts and plastic covers caused by improper use of chemical products or by contact with disposable gloves and cutting or piercing objects;
 - f) Connection with a wrong voltage power supply.
- 5** - This warranty will cease when:
 - a) The warranty period expires;
 - b) The user makes any changes to the product or uses inappropriate accessories;
 - c) For adulterations in the Warranty Certificate, purchase, installation or service document;
 - d) Installation and technical service is done by an unauthorized technician;
 - e) The equipment is stored for more than 6 months after the invoice issuing date;
 - f) For the use of spare parts other than Olsen originals.
- 6** - The repairing or replacement of parts under the warranty period will not extend its original expiring date.
- 7** - The expenses resulted from the equipment's installation, scheduled maintenance, travel and accommodation costs of the service staff involved in the calls for service for the equipment's installation or repair will run under the owner's responsibility and in accordance with the distributor's norms.
- 8** - The customer, after checking the installation, must keep the purchasing invoice and the equipment's serial number until the warranty period end, as in the case of service needed, the serial number, the invoice number, and purchasing or installation date will be required.
- 9** - On all calls for service during the warranty period the equipment's serial number and a copy of the purchasing or installation invoice must be shown. In the case of this information is not presented, the service will not be done under warranty.

11 - Message from the President

Olsen and its clients:
A successful relationship.

I have linked my name to the factory and to the dental and medical equipment that are currently produced and trade in more than 100 countries having in mind the responsibilities and long-term response to this initiative.

Our products are modern, innovative, durable and of low maintenance cost. These characteristics have been achieved thanks to our competent and dedicated team, which make me very proud for many reasons, as they are always giving the best of their creative capacity to our clients.

Our company will always be open to all those who prefer Olsen products, for any necessary information and technical assistance, but especially for comments regarding the relationship with customers. We expect this connection always brings you satisfaction, resulting in more and more benefits to all of us



Cesar Olsen

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Olsen

Equipment made to last

Registration at Ministry of Health 1028130009

Technician in Charge Eng. Cleber da Costa - CREA SC: S1 116283-5

Cod 5409177 USA - Rev 06 - 16/10/2022

Olsen S.A - Medical & Dental Industry

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