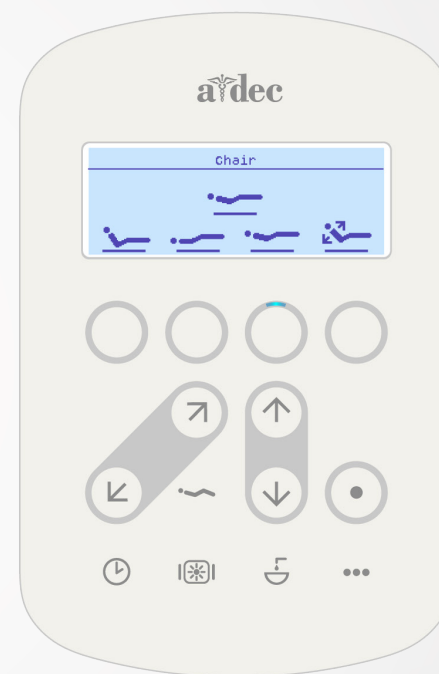
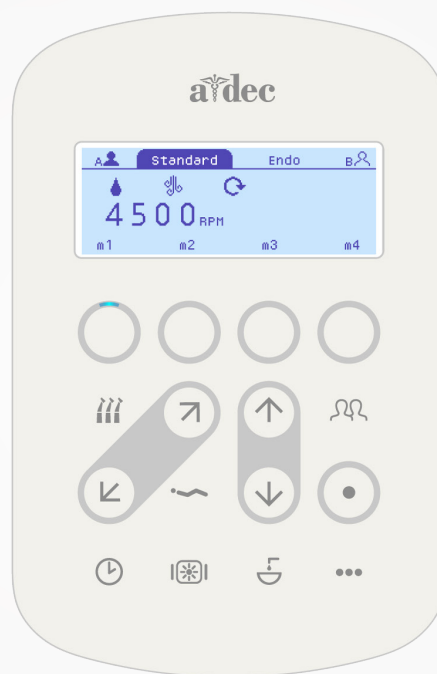
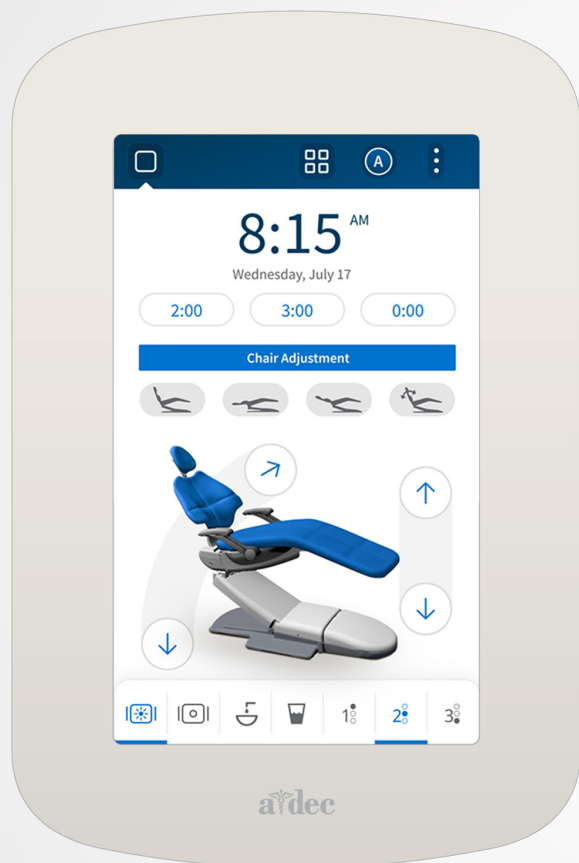


INSTRUCTIONS
FOR USE

A-dec® DS7/DS5/CP5i/CP5

TOUCH CONTROLS



a|dec

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Regulatory Information and Warranty

For required regulatory information and the A-dec warranty, see the *Regulatory Information, Specifications, and Warranty* document (p/n 86.0221.00) available in the Resource Center at www.a-dec.com.



For quick access to this document online, scan, tap, or click this QR code, which points to: a-dec.com/regulatory-guide.

Product Service

Product service is available through your local authorized A-dec dealer. For service information, or to locate an authorized dealer, contact A-dec at 1.800.547.1883 in the USA and Canada or 1.503.538.7478 worldwide, or visit www.a-dec.com.

A-dec Connectivity and Product Registration

For the best user experience and access to all available updates, A-dec touch controls should be registered with A-dec. If your product is not registered, contact A-dec Customer Service, or see the *A-dec+ Software Platform Instructions for Use* (p/n 86.1030.00) for more details on connectivity features.



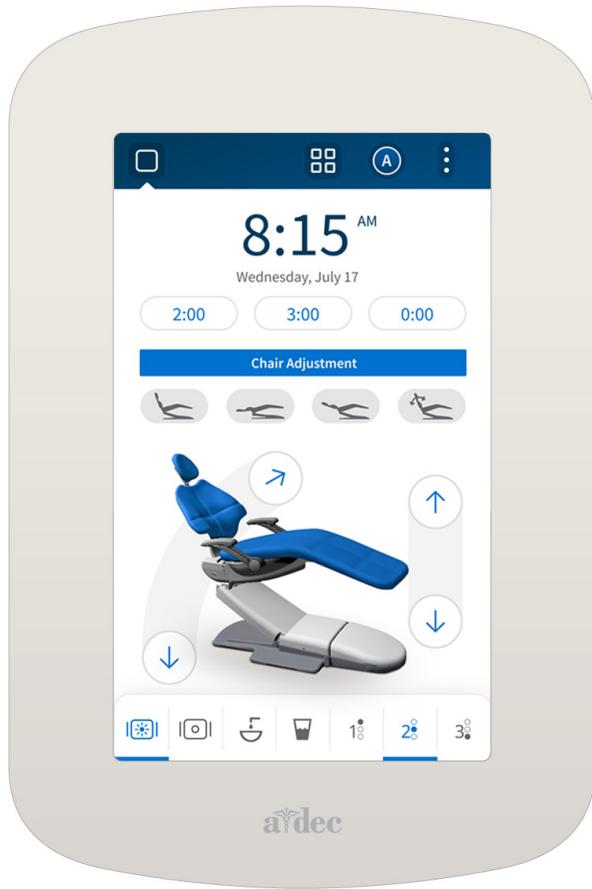
For quick access to this document online, scan, tap, or click this QR code, which points to: a-dec.com/connectivity-manual.

Software Versions Covered in this Document

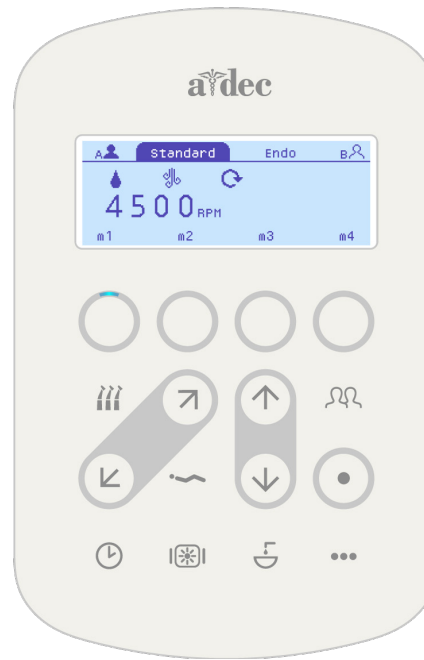
The contents of this document are accurate for the software versions listed below.

Software	Version
DS7 System Software	01.06.50
DS5 Display System Software	01.00.50
CP5i Software Driver	4.1.28
CP5 Software Driver	3.1.28

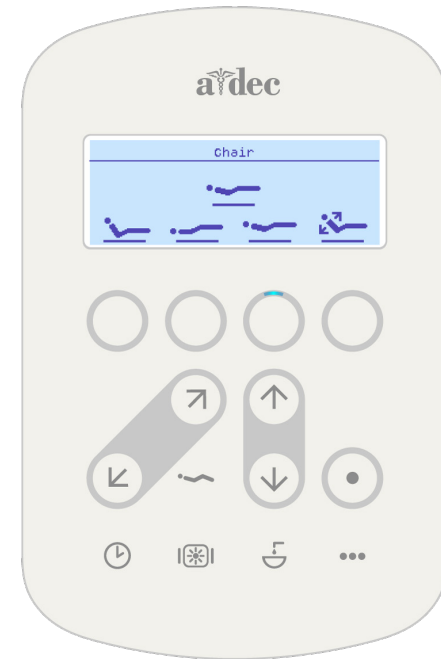
Device Map



DS7/DS5 Touchscreen
Page 2



CP5i Control Pad
Page 33

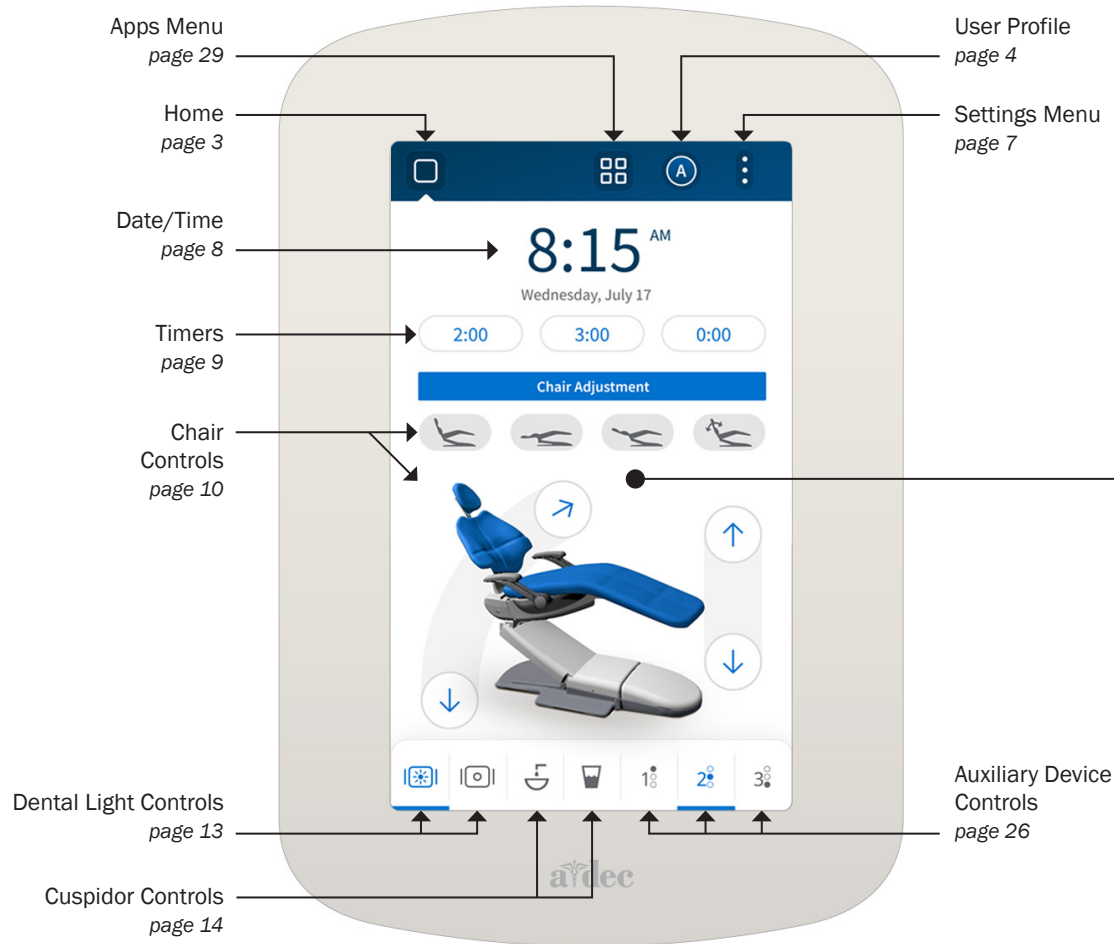


CP5 Control Pad
Page 33

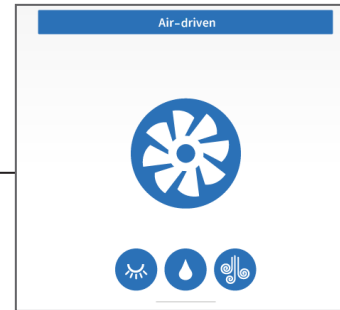
DS7/DS5 Touchscreen



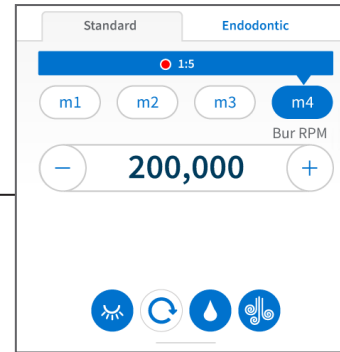
NOTE The images in the DS7/DS5 sections show the DS7 touchscreen. Both devices share similar functionality, but the DS5 display and graphics are slightly smaller.



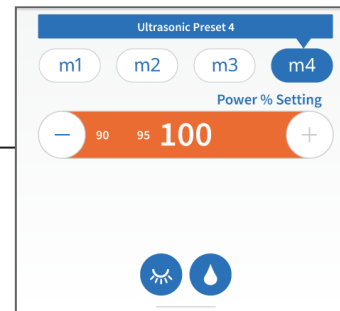
Instrument Controls



Air Driven
page 15



Electric Handpieces
page 17



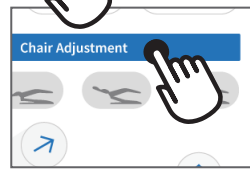
Ultrasonic and other Instruments
page 25

Note. Touch control symbols and icons are proprietary to A-dec, Inc.

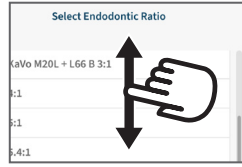
DS7/DS5 Basic Screen Functions



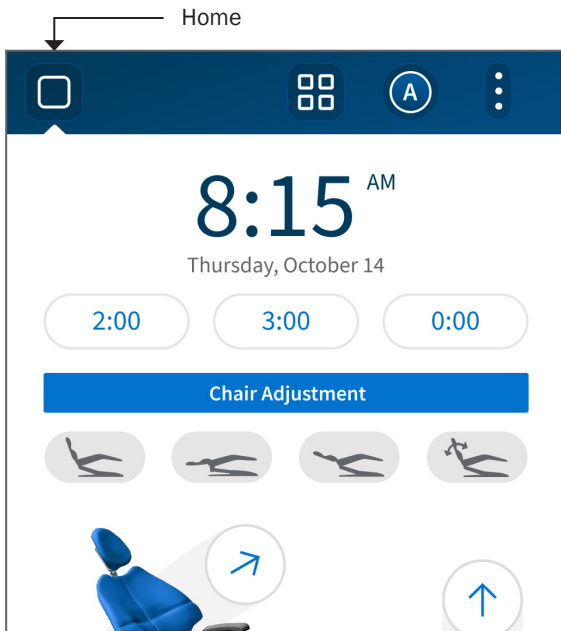
Select an icon to activate. Some icons reverse into a solid-colored button to indicate that they are on. Active function icons at the bottom of the screen turn blue when activated.



Select and hold an icon, or adjustment bar, for about a second to change settings (when available).



Swipe on the scroll bar or anywhere on the screen to view content that extends beyond one screen.




Touch Activation and Gestures

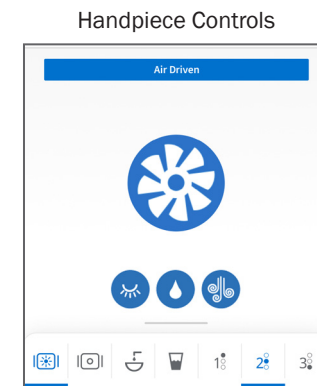
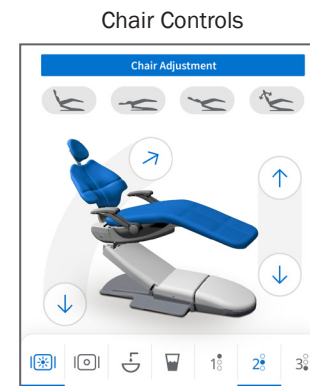
The DS7/DS5 uses current touchscreen technology and works similarly to a smartphone. To activate functions, select the icon. To change settings and options for a particular function, select and hold the icon (or adjustment bar) for about one second until the option or settings window appears. To view the additional content that extends beyond one screen, swipe on the scroll bar, or anywhere on the display, to move the screen up or down.

To help demonstrate these actions, you'll find the following icons used throughout this document:

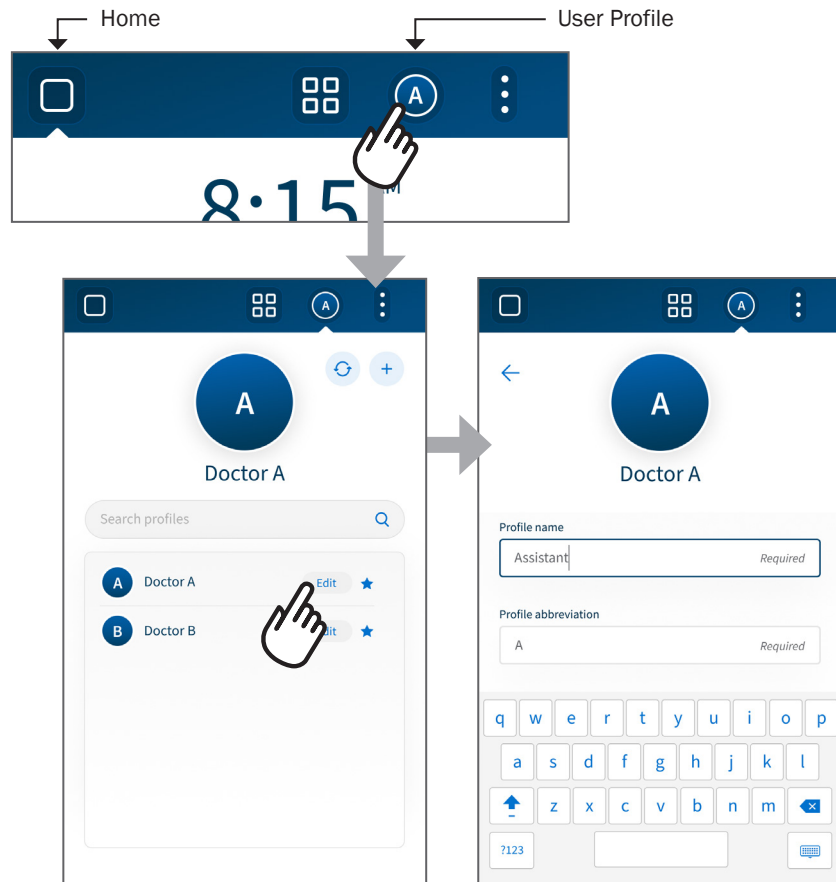


Home Screen

Chair and timer functions appear on the "home screen" when dynamic instruments remain in their holders. When you withdraw an instrument from its holder, that instrument's in-use functions appear on the screen. If you change settings while an instrument is withdrawn, you can also select  to return to that instrument's active, in-use screen.



DS7 User Profiles



Use and Edit Profiles

The single- or double-letter icon at the top of the screen indicates the active user profile. Select the icon to access and edit user profiles.

To switch the active profile, tap the desired profile from the list. The system default includes two profiles: Doctor A and Doctor B. You can edit these and add as many profiles as you want.

To edit an existing profile:

1. Tap **Edit** to the right of the user name, then tap the fields to edit the name, abbreviation, and icon color selection.
2. Tap **<** to go back to the user profiles list or select **□** to return to the home screen.

User Profile Syncing

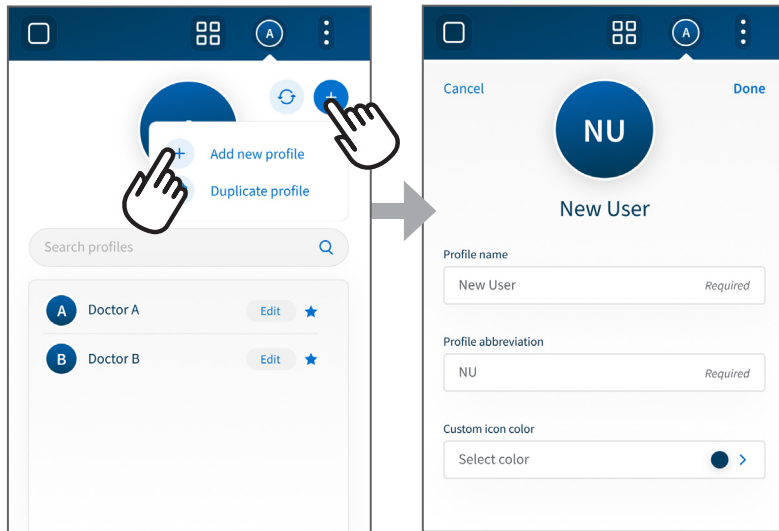
Profile changes you make on the device will sync automatically with other devices connected to your A-dec+™ account.

Profile information updates from the cloud (A-dec+) when a profile is made active or when the delivery system is power cycled. Profiles do not receive automatic updates from the cloud while active. This is to prevent changes in one room affecting a user in another room.



IMPORTANT For instructions on connecting equipment to A-dec+, see the *A-dec+ Software Platform Instructions for Use* (p/n 86.1030.00) available in the Resource Center at www.a-dec.com.

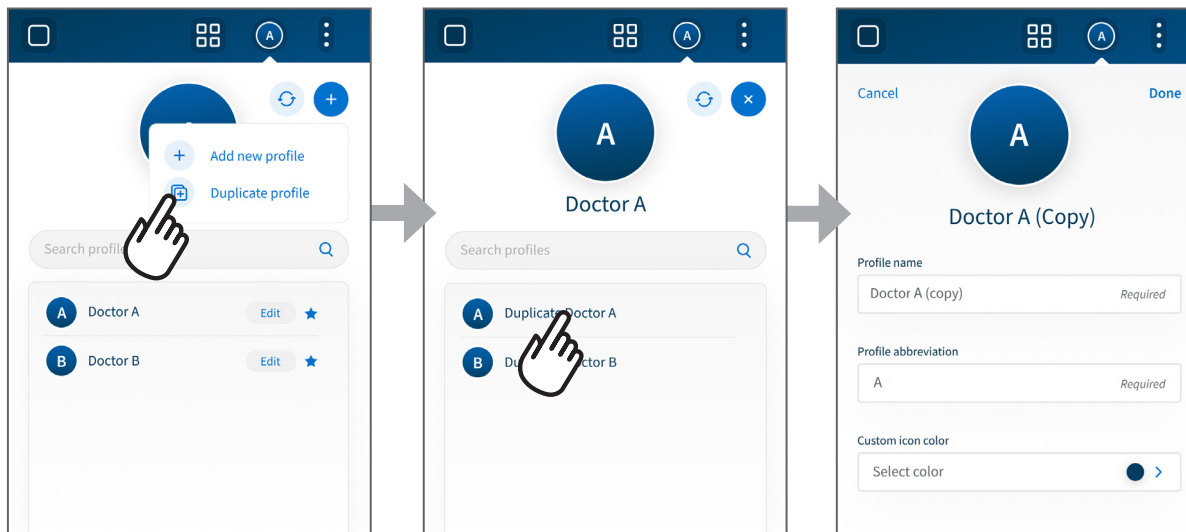
DS7 User Profiles *(continued)*



Create New User Profiles

To create new profiles:

1. Tap **+** at the top of the screen and select **+** **Add new profile**.
2. Tap each field to customize the name, abbreviation, and icon color selection.
3. Tap **←** to go back to the user profiles list or select **☐** to return to the home screen.

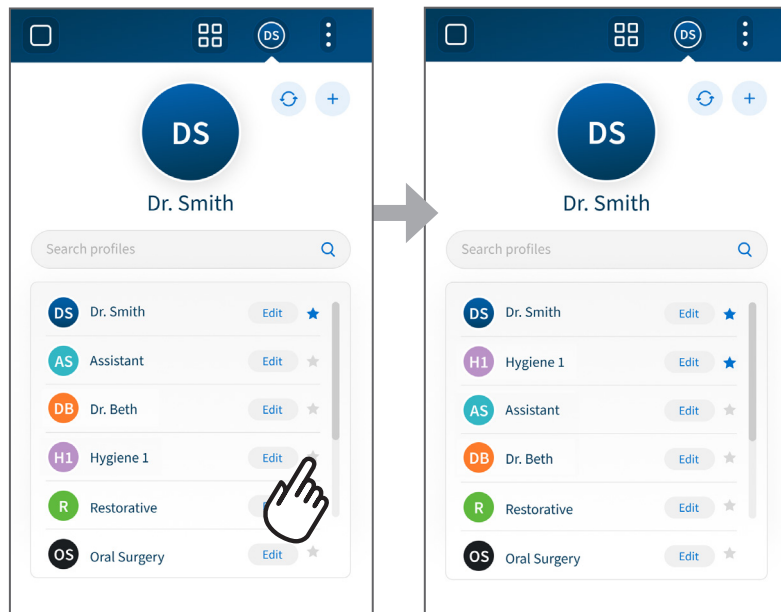


Duplicate User Profiles

To duplicate and change existing user profiles:

1. Select **+** **Duplicate profile**.
2. Tap each field to customize the name, abbreviation, and color selection.
3. Tap **←** from the color selection window, then tap **Done** to save your changes and go back to the user profiles list.
4. Select **☐** to return to the home screen.

DS7 User Profiles (continued)

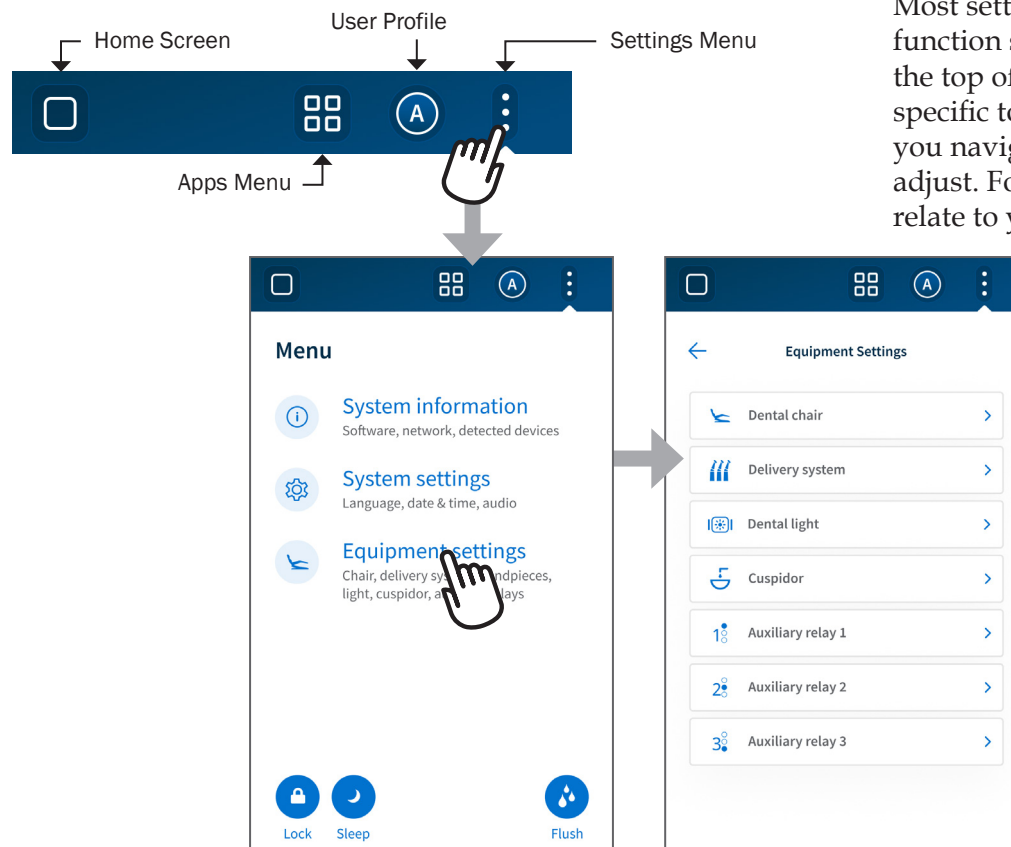


User Profile Sorting and Favorites

Profiles are sorted alphabetically, with favorite profiles pinned at the top. To favorite a profile, tap ★ at the right of the user name and edit button. The star icon turns blue (★) and moves to the top of the list in alphabetical order with the other favorited profiles.

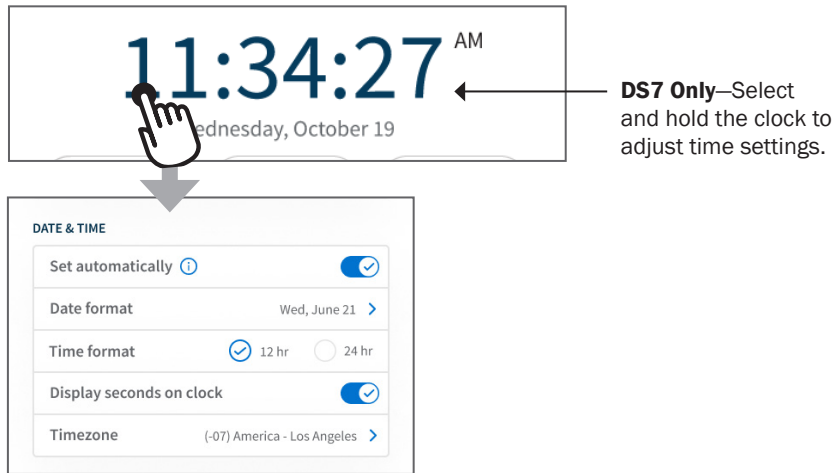
The favorite profile list is unique to each device in the clinic, so you can customize the list for each operatory.

DS7/DS5 Settings



Most settings can be adjusted either directly from the active equipment function screens throughout the interface, or via the settings menu at the top of the screen (⋮). Some settings apply globally, while others are specific to a user profile or instrument memory preset. How and when you navigate to these settings depends on the specific item you need to adjust. For more guidance, see the topic sections in this document that relate to your specific needs.

DS7/DS5 Date and Time



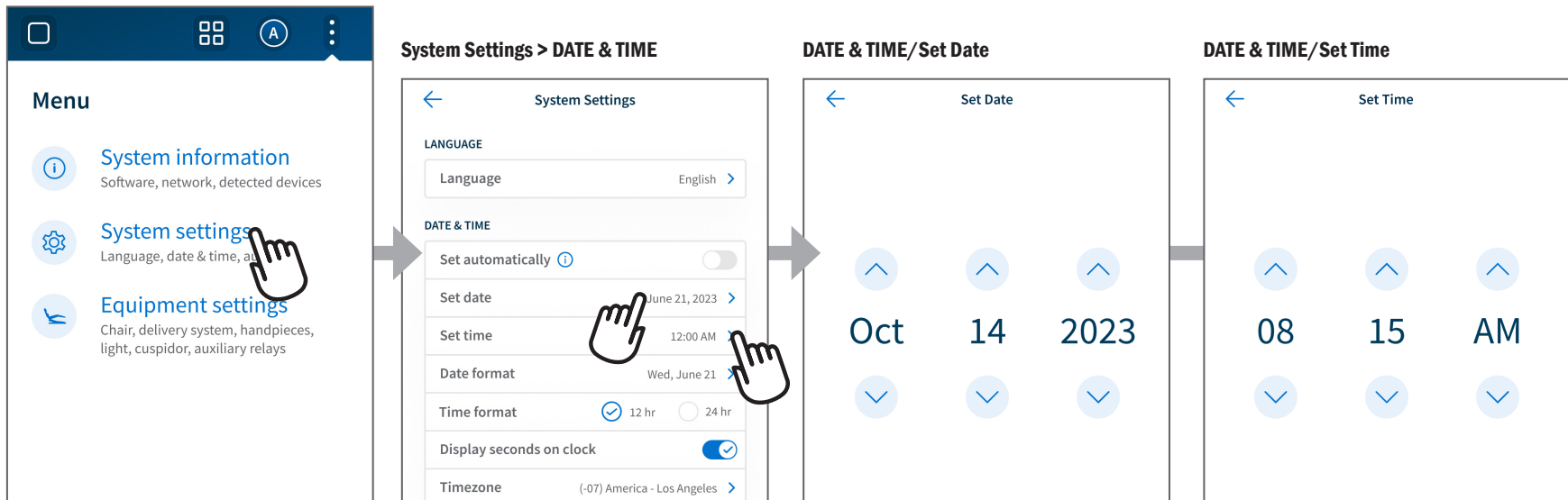
Customize Date and Time

When your system is connected to a network, the date and time update automatically. To quickly adjust the time format, select and hold anywhere on the clock to access the **Time Settings** screen.

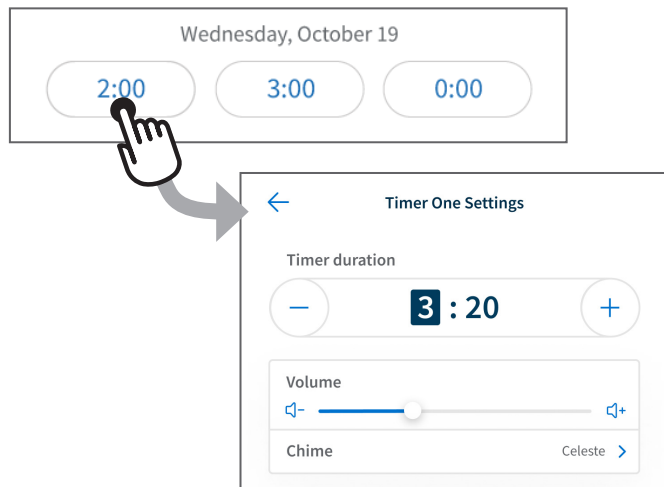
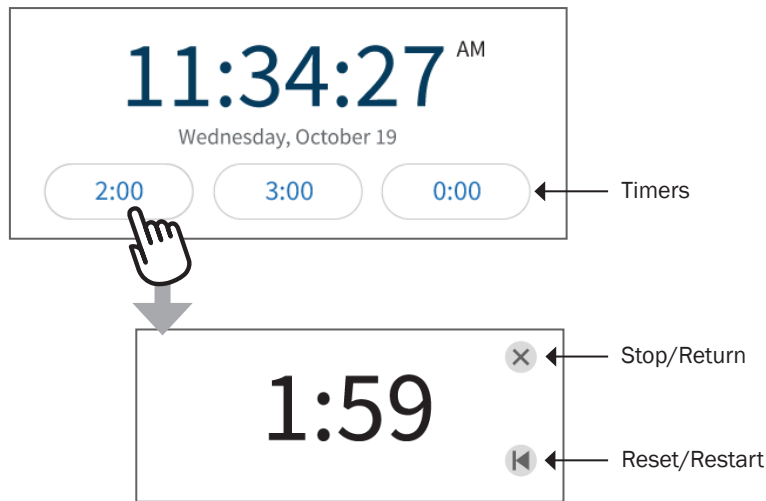
If you're not connected to a network, you can manually set the date and time. To adjust:

1. Select at the top of the screen to access the settings menu, then select **System settings**.
2. Under **DATE & TIME**, ensure that **Set automatically** is turned off (), then select **Set date**, **Set time**, **Date format** and the other fields to manually set the clock with your preferred settings.
3. Tap or select to save your changes and return to the home screen.

Settings Menu > System settings



DS7/DS5 Timers



Three customizable timers appear on the primary display screen along with chair functions and other basic instrument screens.*

Icon/Function	Actions/Options
Countdown Timer	Select a countdown timer icon to display the timer screen and start the timer.
Stopwatch Timer	Select the stopwatch timer to count up from 0:00. The stopwatch timer resets to 0:00 after reaching 99:99.
Stop/Return	Select to stop the timer and return to the home screen.
Reset/Restart	Select to reset and restart the timer.

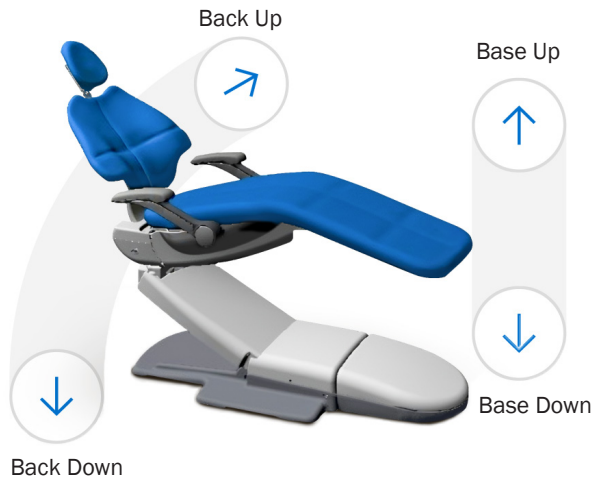
* Note. Timers are unavailable during standard and endodontic electric handpiece use.






Customize Timers

You can set a specific time, chime, and chime volume for each of the three timers. To customize a timer:

1. Select and hold a timer icon until the **Timer Settings** window appears.
2. Set **Timer duration**, **Volume**, and **Chime**. The maximum duration for a timer is 99:99. If any of the timers are set to 0:00, they become a stopwatch timer.
3. Tap or select to save your changes and return to the home screen.

DS7/DS5 Manual Chair Controls



Icon/Function	Actions/Options
 	Back Up/ Back Down Select and hold to raise or lower the chair back.
 	Base Up/ Base Down Select and hold to raise or lower the chair base.
	NOTE If you would like to adjust the maximum height of your chair, contact your local authorized A-dec dealer.



IMPORTANT A-dec touch controls and the footswitch move the chair in the same manner. For more details about footswitch controls, see your chair Instructions for Use.

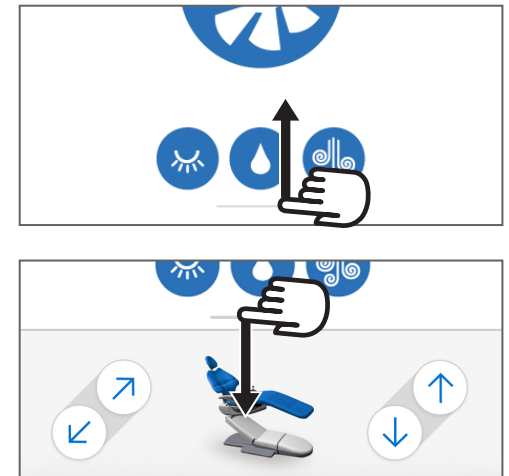


WARNING Ensure that the patient is positioned safely before using the manual or preset chair controls. Never leave the patient unattended while the chair is in motion. Always take extra care with small children and patients with limited mobility.

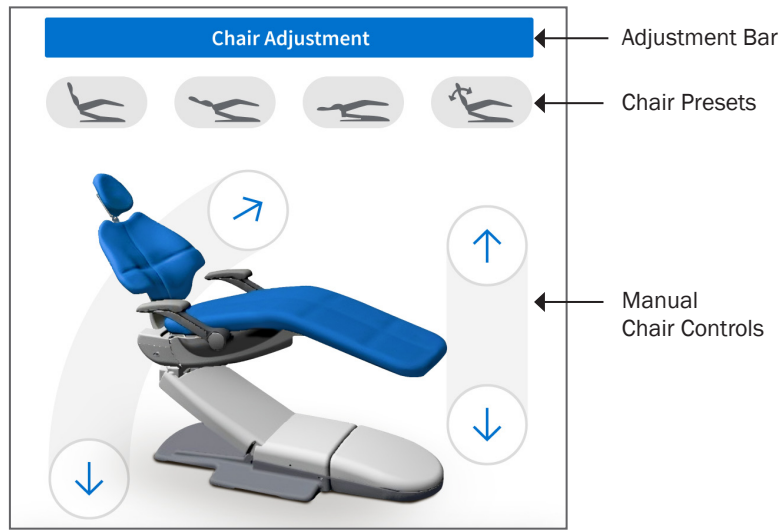
To stop the chair at any point during preset movement, select any chair positioning button on the footswitch or touch control.

The main chair image on the touchscreen represents the current chair position. Select and hold the manual chair back and chair base controls to reposition the chair.

Chair functions can also be accessed while a handpiece is withdrawn. Swipe up from the thin gray line located at the bottom of the instrument in-use panel. A mini-chair control menu will appear. Swipe down from the gray line to hide the mini-chair control menu.



DS7/DS5 Preset Chair Controls



Icon	Preset Name	Factory Setting
	Entry/Exit	Positions the chair for patient entry/exit.
	Treatment 1	Positions the chair base and back down.
	Treatment 2	Positions the chair base down and the back partially up.
	X-Ray/Rinse	Moves the chair to either x-ray or rinse position. Select again to move the chair to the previous position.

To move the chair to a preset position, select a chair preset icon under the chair adjustment bar. See the table (below left) for factory settings.

Customize the Chair Preset Positions

To customize chair presets:

1. Use the manual chair controls to reposition the chair.
2. Select and hold one of the chair preset icons until the icon changes and you hear three beeps. This confirms that your new preset is saved.

Customize the X-Ray/Rinse Chair Preset

The factory preset moves the chair and patient into an upright position for x-rays or cuspidor access. Select again to return the chair to the previous position.

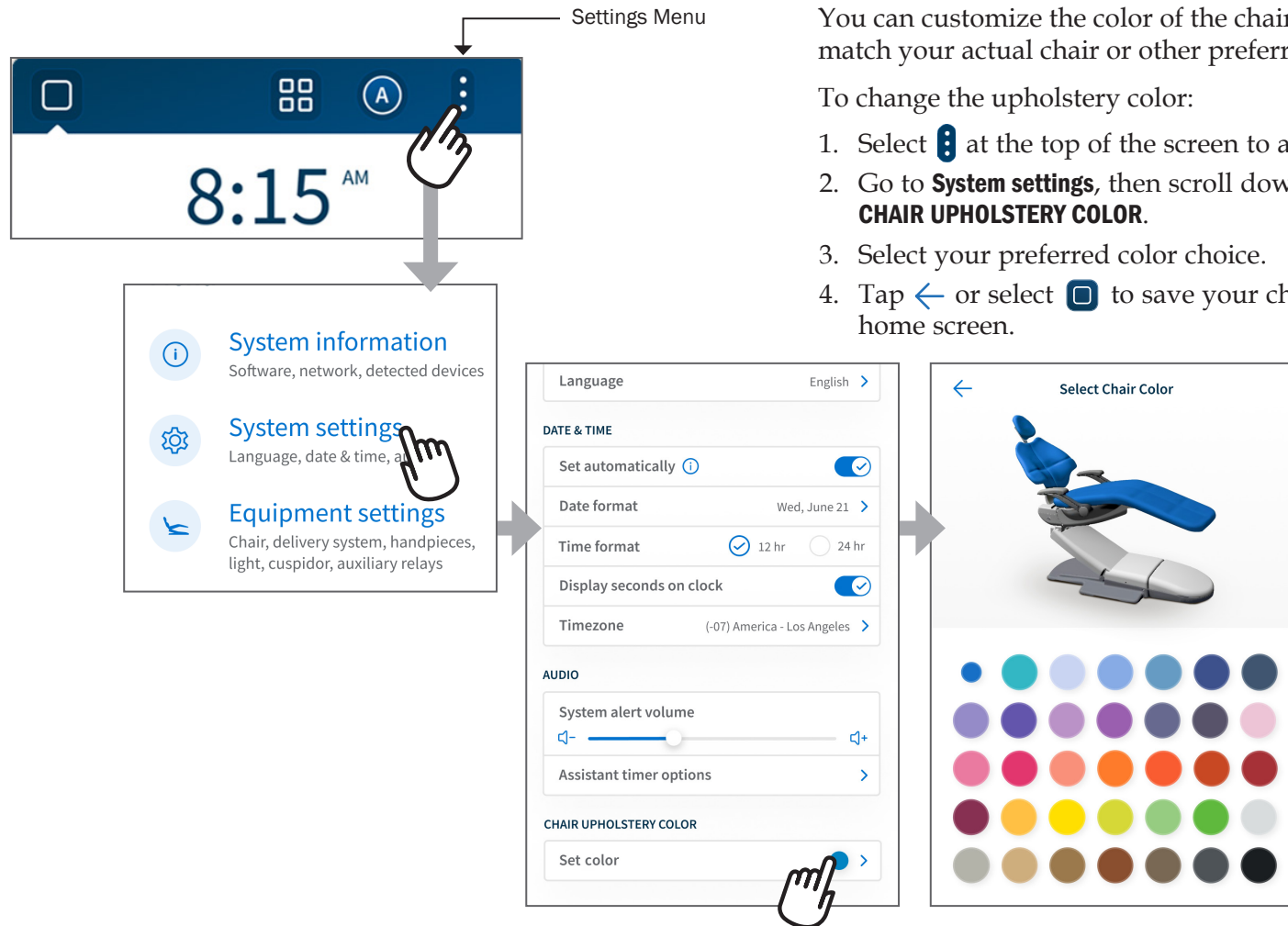
You can also change the X-ray/Rinse chair preset to function as a customized chair preset position. To change its function:

1. Select and hold the chair adjustment bar. The chair settings screen appears.
2. Next to **X-ray/rinse mode on preset 4**, tap the blue checkmark:






3. Tap or select to save your changes and return to the home screen.

DS7/DS5 Chair Color Customization

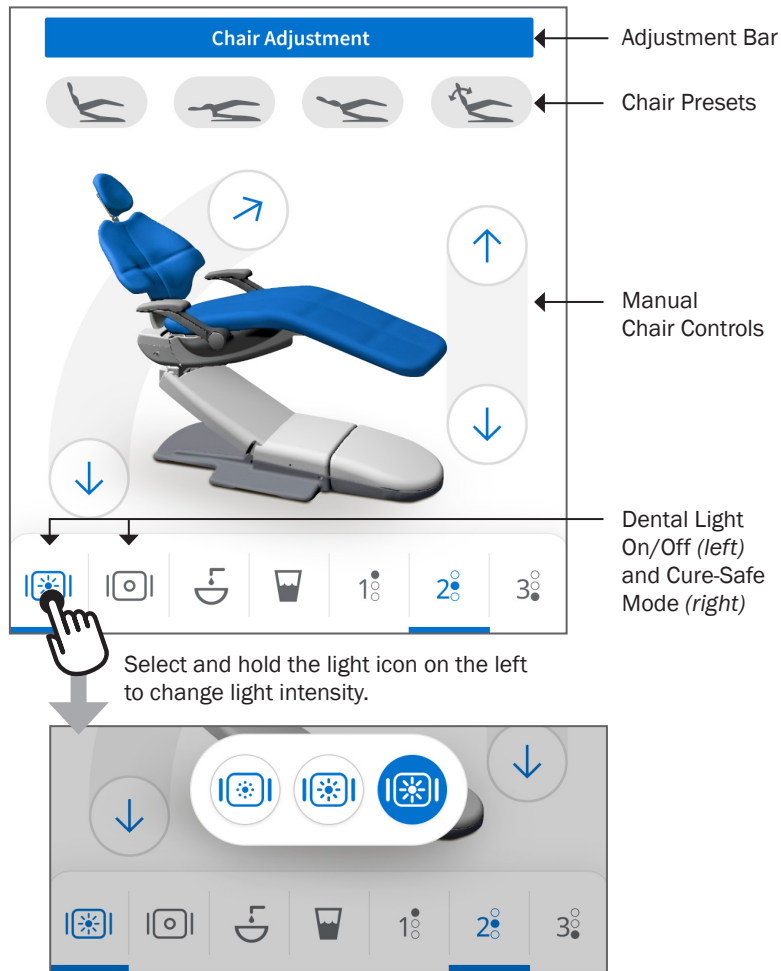


You can customize the color of the chair upholstery on the screen to match your actual chair or other preferred color choice.

To change the upholstery color:

1. Select  at the top of the screen to access the settings menu.
2. Go to **System settings**, then scroll down and select **Set color** under **CHAIR UPHOLSTERY COLOR**.
3. Select your preferred color choice.
4. Tap  or select  to save your changes and return to the home screen.

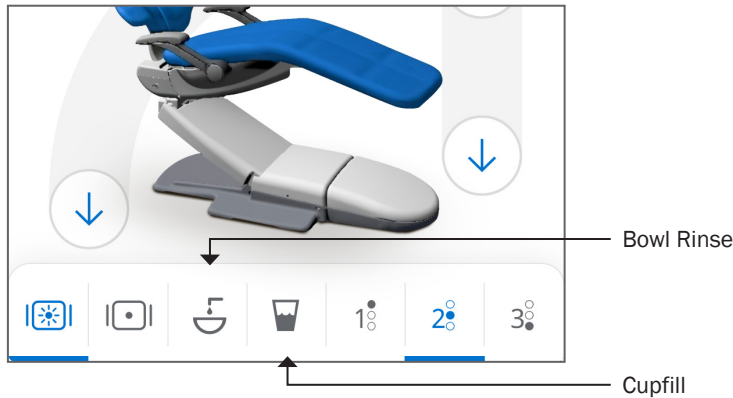
DS7/DS5 Dental Light Controls





IMPORTANT For more details on dental light operation, see your dental light Instructions for Use.

Icon/Function	Actions/Options
 Dental Light On/Off	Select the light icon at the bottom of the touchscreen to turn the light on or off.
 Cure-Safe Mode <i>(A-dec 500 LED dental lights only)</i>	Select the light icon on the right to turn the cure-safe mode on or off. To remove the cure-safe icon from the bottom dock, select and go to: Equipment settings > Dental light , then tap the blue checkmark next to Show cure-safe button : <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> Show cure-safe button <input checked="" type="checkbox"/> → <input type="checkbox"/> </div>
 Customize the Starting Intensity Preset <i>(A-dec 500 LED dental lights only)</i>	<ol style="list-style-type: none"> Select and hold the light icon on the left until the intensity options appear. Select the desired dental light intensity icon. <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> Low</div> <div style="text-align: center;"> Medium</div> <div style="text-align: center;"> High</div> </div>
 Dental Light Auto On/Off Feature	<p>When you select or , the dental light automatically turns on once chair motion stops. The light turns off when you select or .</p> <p>To disable this function:</p> <ol style="list-style-type: none"> Select and hold the chair adjustment bar. The Dental Chair settings screen appears. Next to Dental light auto on/off, tap the blue checkmark: <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> Dental light auto on/off <input checked="" type="checkbox"/> → <input type="checkbox"/> </div> Tap or select to return to the home screen.

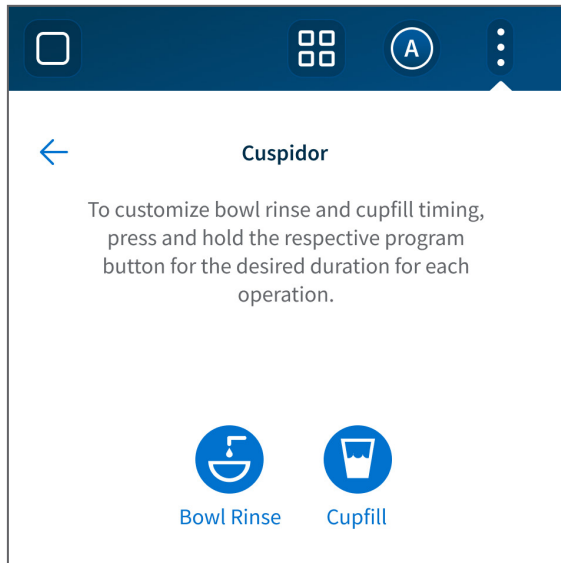
DS7/DS5 Cuspidor Controls



Use  and  on the touchscreen for bowl rinse and cupfill functions.






Icon/Function	Actions/Options
 Bowl Rinse	<ul style="list-style-type: none"> Select once for a timed operation. The factory preset is a 5-second rinse. Select and hold for manual operation. Release to stop the flow.
 Cupfill	<ul style="list-style-type: none"> Select once for a timed operation. The factory preset is a 2.5-second fill. Select and hold for manual operation. Release to stop the flow.

Settings Menu  > Equipment settings > Cuspidor




Customize Bowl Rinse and Cupfill Timing

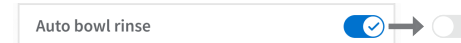
To customize bowl rinse and cupfill timing:



1. Select  at the top of the screen to access the settings menu.
2. Go to: **Equipment settings > Cuspidor.**
3. Select and hold  or  for the duration you would like for each timed operation.
4. Tap  or select  to save your changes and return to the home screen.

Auto Bowl Rinse

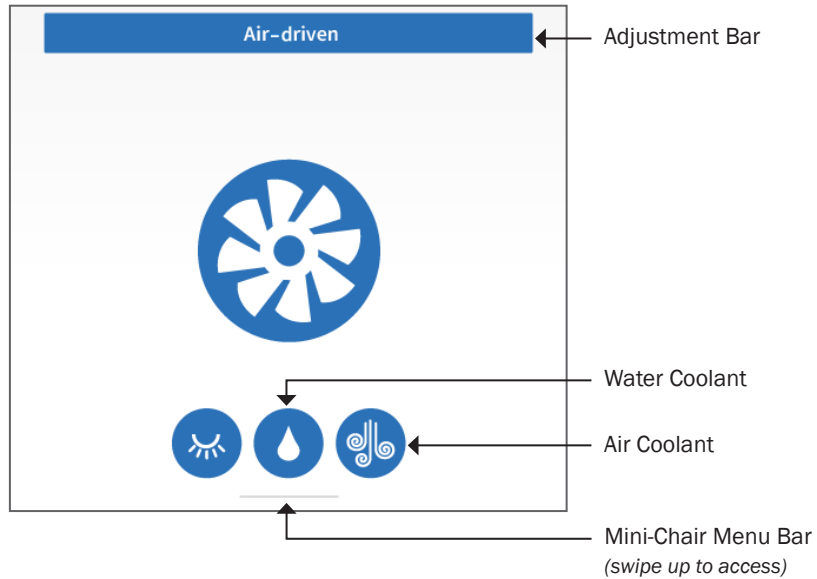
You can also set the cuspidor to automatically rinse after you select the X-Ray/Rinse chair preset () on the touchscreen. To activate:

1. Select and hold the chair adjustment bar. The **Dental Chair** settings screen appears.
2. Next to **Auto bowl rinse**, tap the blue checkmark:



3. Tap  or select  to save your changes and return to the home screen.

DS7/DS5 General Handpiece Controls



NOTE On systems with a lever foot control, the touchscreen water and air coolant controls are redundant. Instead, use the position of the lever to determine wet or dry handpiece operation. In factory default, the lever position:

- to-the-left = water coolant on
- to-the-right = water coolant off



Also, if the coolant link mode is on, note that the air coolant will be off whenever the lever is moved to the right for dry operation.

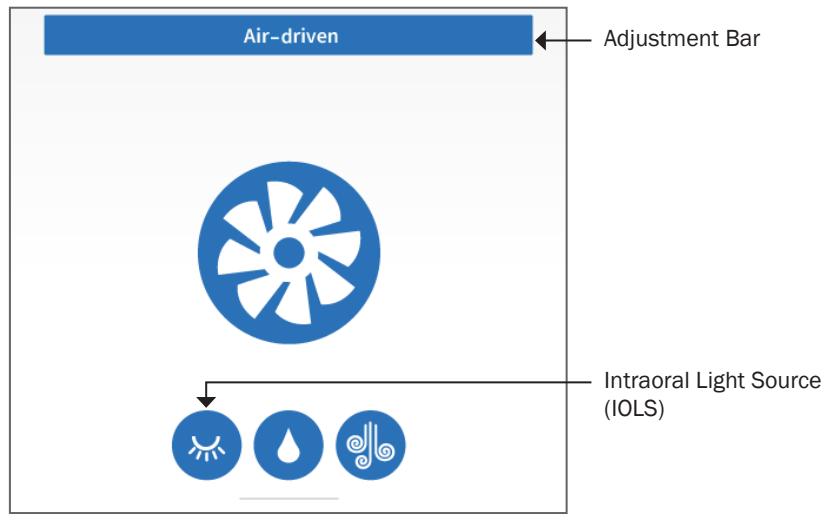
Water and Air Coolant

To see and change handpiece functions on the touchscreen, withdraw the handpiece. **Air-driven** appears on the display screen whenever a standard air-driven handpiece is withdrawn. The following water and air coolant functions are available for standard air-driven and electric handpieces:

Icon/Function	Actions/Options
 Water Coolant	Select . The icon reverses into the outline button to indicate that it is off.
 Air Coolant	Select . The icon reverses into the outline button to indicate that it is off.
 Coolant Link	Coolant link allows you to turn air and water coolant functions on and off at the same time. The factory setting for coolant link is off (). This is a global setting that applies to all handpiece positions. To turn coolant link on, select and go to: Equipment settings > Delivery system > GENERAL/Handpieces > USER SETTINGS , then tap the gray slider next to Coolant link :



DS7/DS5 General Handpiece Controls *(continued)*



Intraoral Light Source (IOLS) Settings

For lighted handpieces, select to turn IOLS off. The icon reverses into an outline button () to indicate that it is off. IOLS settings are set during installation, but can be changed at any time. To adjust:

1. Withdraw the handpiece.
2. Select and hold the adjustment bar.
3. Under **HANDPIECE SETTINGS**, you'll see two commonly adjusted IOLS items:



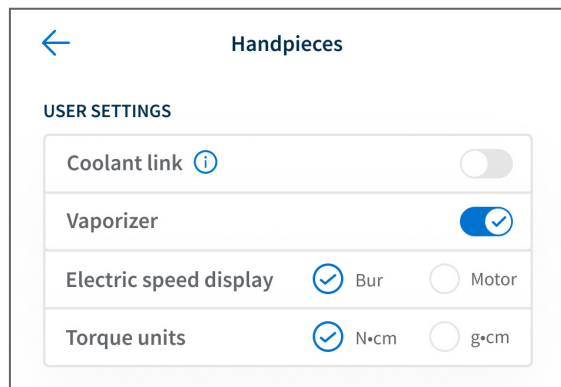
IOLS on when selected — turns on the handpiece light when the handpiece is withdrawn.



IOLS auto off delay — sets the number of seconds the light remains on when the handpiece is withdrawn and not operating.

4. After making adjustments, tap or select to save changes and return to the active handpiece home screen.

Settings Menu > Equipment settings > Delivery system > GENERAL/Handpieces > USER SETTINGS/Vaporizer



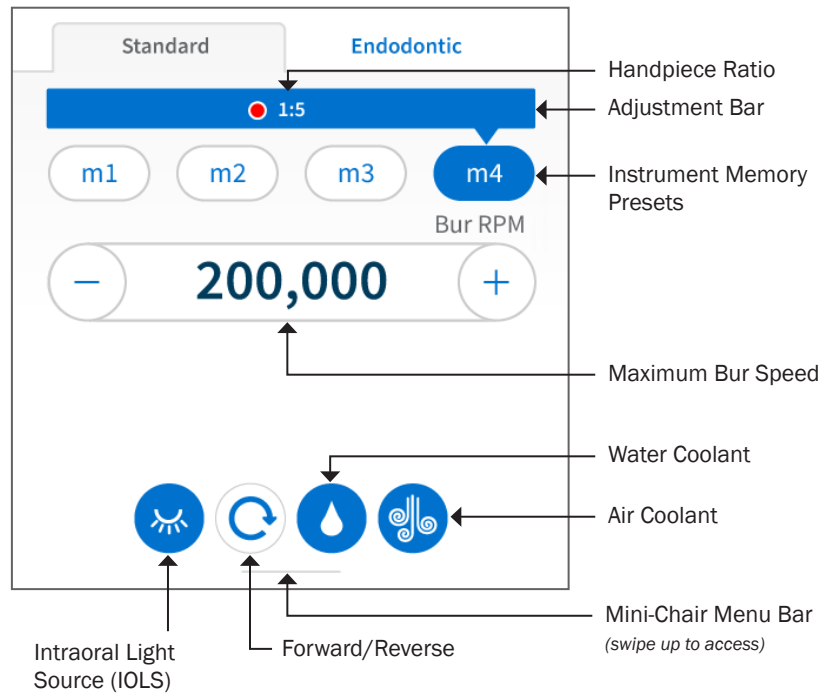
Vaporizer Setting

The vaporizer function emits a short burst of air from the handpiece coolant ports after you release the foot control (when air and water coolant are both on). This helps prevent water coolant from dripping on the patient. The factory default for the vaporizer is On, which is globally set for all handpieces.

To turn off the vaporizer setting, select at the top of the screen and go to: **Equipment settings > Delivery system > GENERAL/Handpieces > USER SETTINGS**, then tap the blue checkmark slider next to **Vaporizer**:



DS7/DS5 Standard Electric Handpiece Controls



Standard Mode Controls

To see and change electric handpiece standard mode functions, withdraw the handpiece. The screen shows the previous settings used for that handpiece position. If the screen shows the **Endodontic** settings, select the **Standard** tab. In standard mode, you can change individual settings directly on the screen or use the memory presets.

To manually change current in-use settings on the screen:

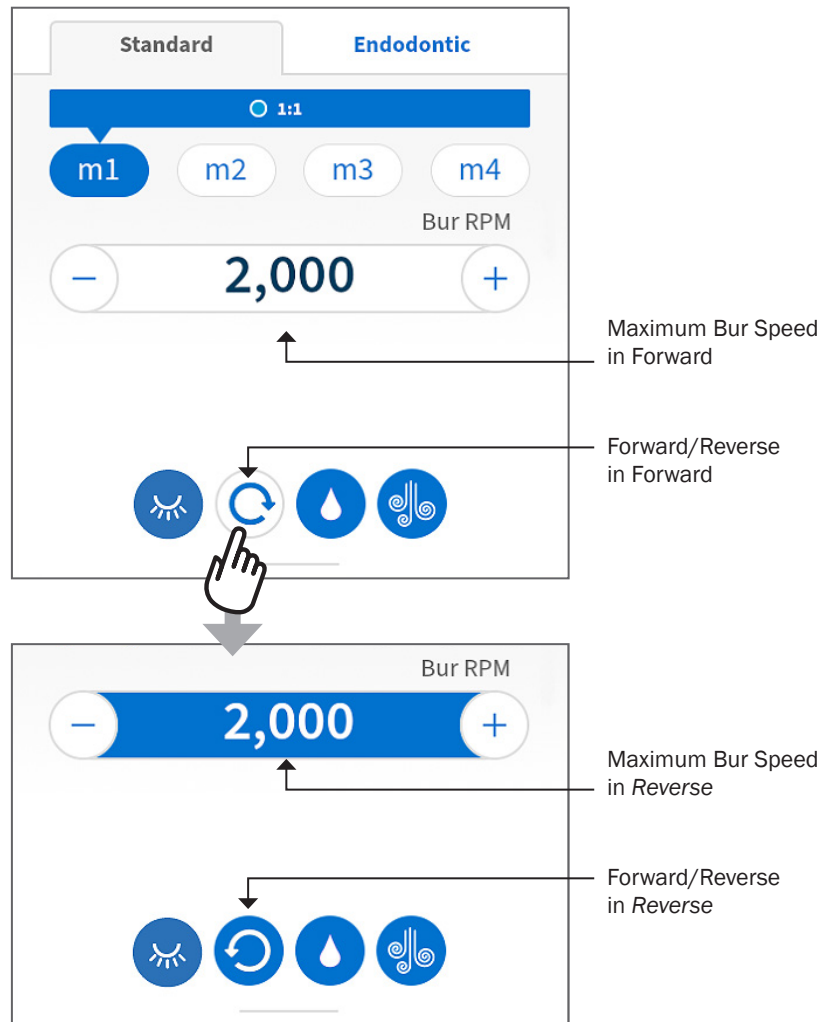
1. Select and hold the adjustment bar to access the electric handpiece settings, choose your handpiece attachment/ratio, then tap ← to return to the **Standard** tab.
2. Use — or + to change your preferred maximum motor or bur speed.
3. Select ☀️ to turn IOLS off or on.
4. Select 💧 and 🌀 to turn water and air coolant off or on.

Water/air coolant and IOLS settings are adjusted in the same way for both standard electric and air-driven handpieces. For more information, see “Water and Air Coolant” on page 15 and “Intraoral Light Source (IOLS) Settings” on page 16.





NOTE IOLS, forward/reverse, and coolant link are set globally or in the active screen only and cannot be saved under the memory presets.

DS7/DS5 Standard Electric Handpiece Controls *(continued)*



Forward/Reverse

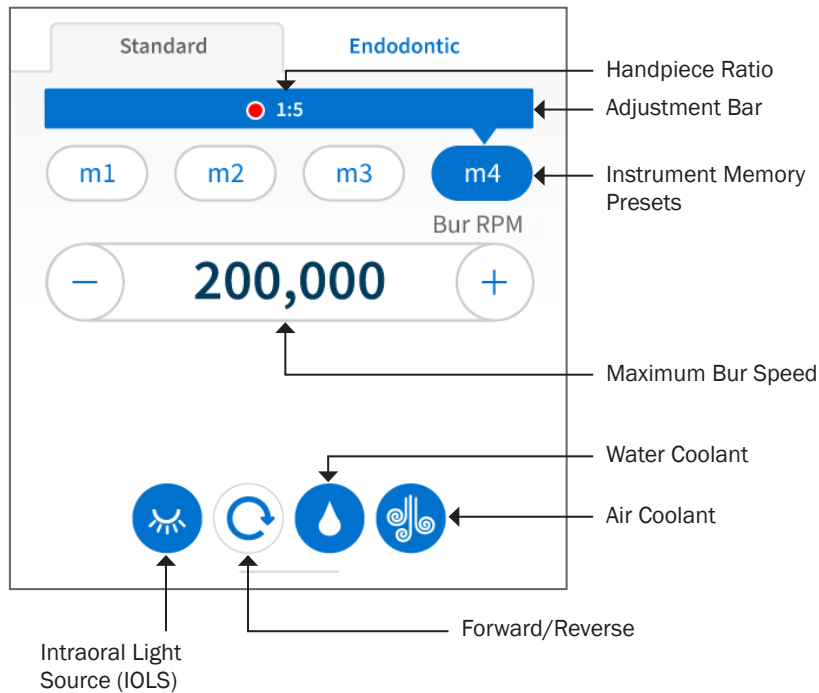
In **Standard** and **Endodontic** modes, you can change forward/reverse on the active screen, but cannot save the setting to the memory presets.

To change the motor direction, select . When the motor is in reverse, the icon and speed readout turn solid. To return to forward, select  or return the handpiece to its holder.



IMPORTANT You can also use the foot control to switch between forward and reverse. For more information, see the Instructions for Use that came with your delivery system.

DS7/DS5 Standard Electric Handpiece Controls *(continued)*



NOTE IOLS, forward/reverse, and air/water link are set globally or in-use and cannot be saved under the memory presets.

Standard Mode Memory Presets

In standard mode, each user profile includes four memory presets for each handpiece. The factory presets include the following values:

Memory Preset	Handpiece Ratio	Maximum Bur Speed*	Water Coolant	Air Coolant
m1	1:1	2,000 rpm	On	On
m2	1:1	10,000 rpm	On	On
m3	1:1	20,000 rpm	On	On
m4	1:1	40,000 rpm	On	On

* Note. Maximum bur speed can be changed to maximum motor speed in general settings.

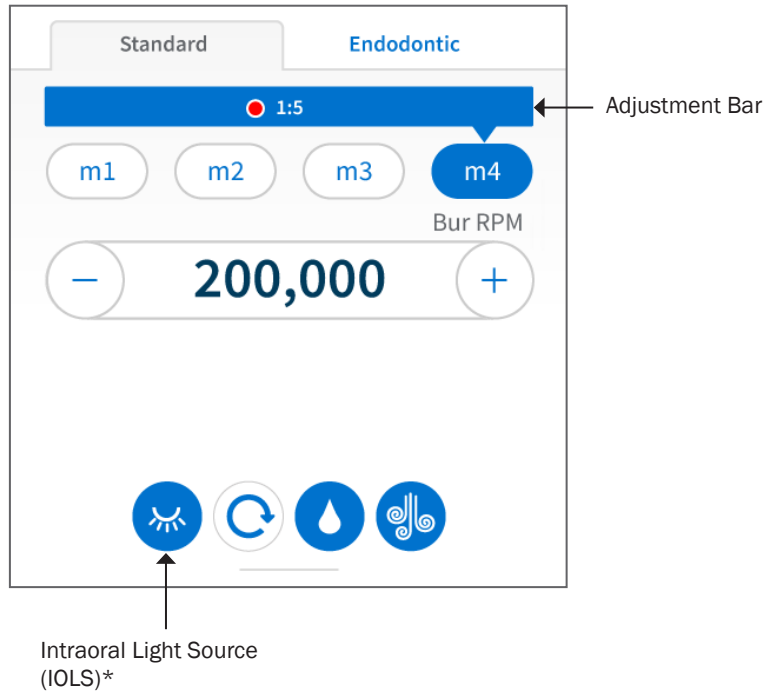
Customize Standard Mode Memory Presets

The handpiece attachment/ratio, maximum bur or motor speed, as well as water and air coolant may be saved under the presets.

To customize a preset:

1. Select and hold the adjustment bar to choose the handpiece attachment/ratio, then tap ← to return to the standard mode window.
2. Use — or + to change your preferred maximum motor or bur speed.
3. Select 💧 and 🌀 to turn water and air coolant off or on.
4. Select and hold a memory preset icon to save the settings until you hear three beeps. This confirms that your new preset is saved.

DS7/DS5 Standard Electric Handpiece Controls *(continued)*



Intraoral Light Source (IOLS) for Electric Handpieces

The IOLS (handpiece light) is a global setting for all handpieces and can be changed on the current screen, but is not saved to the memory presets.

In **Standard** mode, the factory default is IOLS on (☀️). Select it again to turn the IOLS off (🌑).

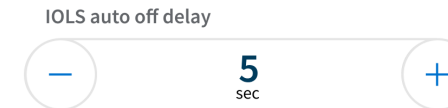
In **Endodontic** mode*, the factory default is IOLS off (🌑). Select it again to turn the IOLS on (☀️).*

IOLS settings are set during installation, but can be changed at any time. To adjust:

1. Withdraw the handpiece.
2. Select and hold the adjustment bar.
3. In the settings, you'll see two commonly adjusted IOLS items:



IOLS on when selected — turns on the handpiece light when the handpiece is withdrawn.



IOLS auto off delay — sets the number of seconds the light remains on when the handpiece is withdrawn and not operating.

4. After making adjustments, tap ← or select [] to save changes and return to the active handpiece home screen.

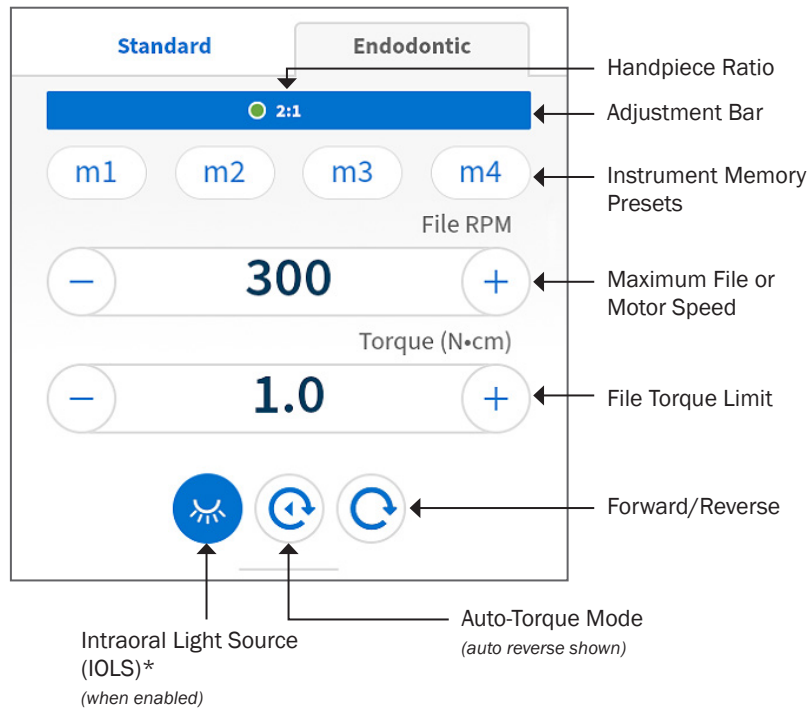


NOTE The IOLS icon does not appear on the Endo screen when in factory default*. To turn IOLS on as an active setting, go to:

Settings Menu [] > **Equipment settings** > **Delivery system** > **GENERAL/Handpieces** > **GLOBAL SETTINGS**, then tap the gray slider next to **IOLS on in endo mode**:



DS7/DS5 Endodontic Electric Handpiece Controls



WARNING Endo file settings must be set according to the file manufacturer. File speed limits, torque limits, supported gear ratios, and supported auto modes should be provided in the endo file Instructions for Use. If these settings are not set properly, patient injury may occur. For more information, consult with your file manufacturer.

Endodontics (Endo) Mode Controls

To access the endo mode settings, withdraw the handpiece and select the **Endodontic** tab. The screen shows the last settings used in endo mode for this handpiece position. In **Endodontic** mode, you can change individual settings directly on the screen or use memory presets.

To manually change current in-use settings on the screen:

1. Select and hold the adjustment bar to access the electric handpiece settings, choose the handpiece attachment/ratio, then tap ← to return to the active **Endodontic** tab.
2. Use — or + to change your preferred maximum file or motor speed.
3. Use — or + to change your preferred file torque limit.
4. Select ☀ to turn IOLS on or off (if enabled).
5. Select ⌚ to choose your preferred auto-torque mode (see page 22 for more information).



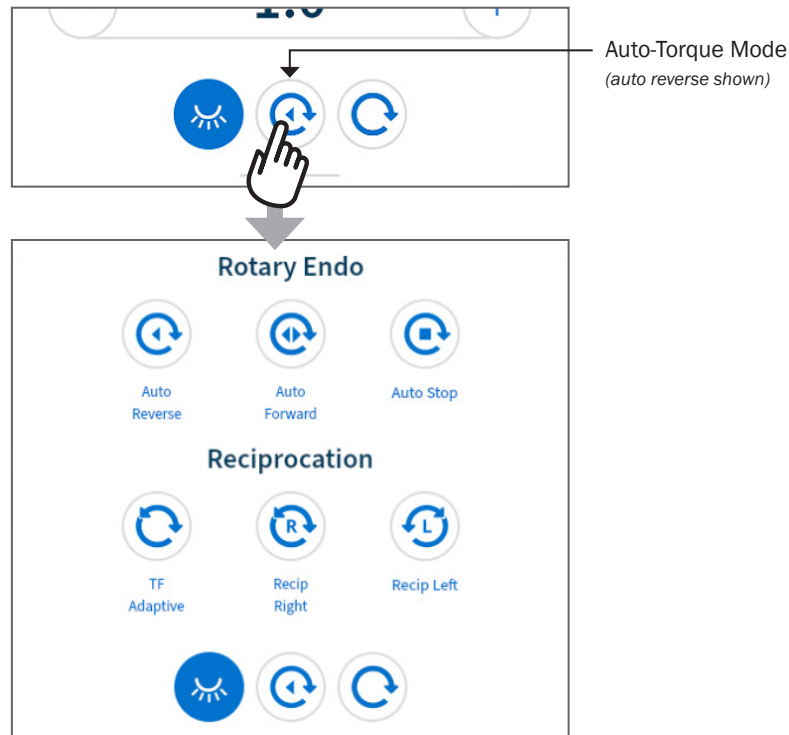
NOTE Auto-torque mode and forward/reverse functions are set globally and changed on the active current screen and cannot be saved under the memory presets.

The IOLS icon does not appear on the Endo screen when in factory default.* To turn IOLS on as an active setting, go to:

Settings menu > **Equipment settings** > **Delivery System** > **General/Handpieces** > **GLOBAL SETTINGS**, then tap the gray slider next to **IOLS on in endo mode**:



DS7/DS5 Endodontic Electric Handpiece Controls *(continued)*






WARNING Ensure that the file used in reciprocal motion is approved for a torque of 3 N·cm and a maximum speed of 600 rpm (min⁻¹). For the most accurate torque experience, A-dec recommends the use of KaVo® handpieces.

Auto-Torque Modes

The auto-torque icon at the bottom of the **Endodontic** tab always displays the currently selected mode. Auto-torque is set globally and cannot be saved to memory presets. You can, however, customize the default auto-torque mode (for rotary endo only) and change its current state in the active screen. When you return the handpiece, the auto-torque mode reverts back to your chosen default state.




Rotary Endo

Auto-torque modes provided for rotary endo include:

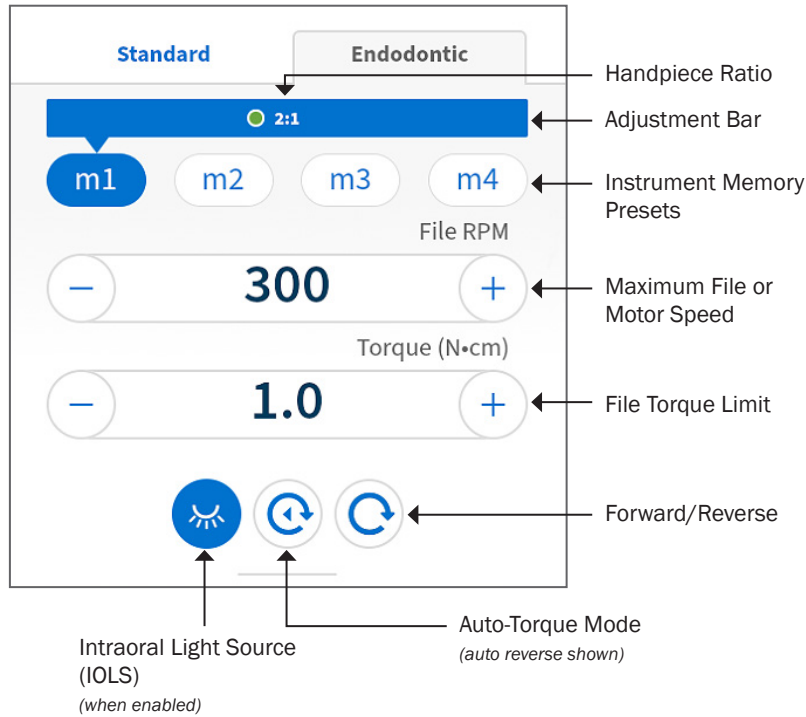
-  Auto Reverse
 - When the file reaches the torque limit, the motor reverses direction, then stops rotating if the torque limit is exceeded.
-  Auto Forward
 - When the file reaches the torque limit, the motor stops, reverses direction, and then changes back to forward again.
-  Auto Stop
 - When the file reaches the torque limit, the motor stops.

Reciprocation

Auto-torque modes provided for reciprocating endo include:

-  TF Adaptive
 - Set for Kerr® TF™ Adaptive motion files that rotate clockwise/right. TF Adaptive is always set to a ratio of 8:1.
-  File Recip Right
 - Set for clockwise/right rotating reciprocating files. A ratio of 8:1 is recommended. Ratios of 3:1 and 1:1 are also available.
-  File Recip Left
 - Set for counterclockwise/left rotating reciprocating files. The ratio of 8:1 is recommended. Ratios of 3:1 and 1:1 are also available.

DS7/DS5 Endodontic Electric Handpiece Controls *(continued)*



WARNING Endo file settings must be set according to the file manufacturer. File speed limits, torque limits, supported gear ratios, and supported auto modes should be provided in the endo file Instructions for Use. If these settings are not set properly, patient injury may occur. For more information, consult with your file manufacturer.

Customize the Endo Mode Memory Presets

In endo mode, you have four memory presets to save handpiece ratio, maximum file speed, and file torque limit for each handpiece and each user profile. The factory presets include the following values:

Memory Preset	Handpiece Ratio	Maximum File Speed*	File Torque Limit
m1	2:1	300 rpm	1.0 N·cm
m2	6:1	650 rpm	18.0 N·cm
m3	2:1	1,000 rpm	1.0 N·cm
m4	1:1	5,000 rpm	3.0 N·cm

* Note. Maximum file speed can be changed to maximum motor speed in **General Settings**.

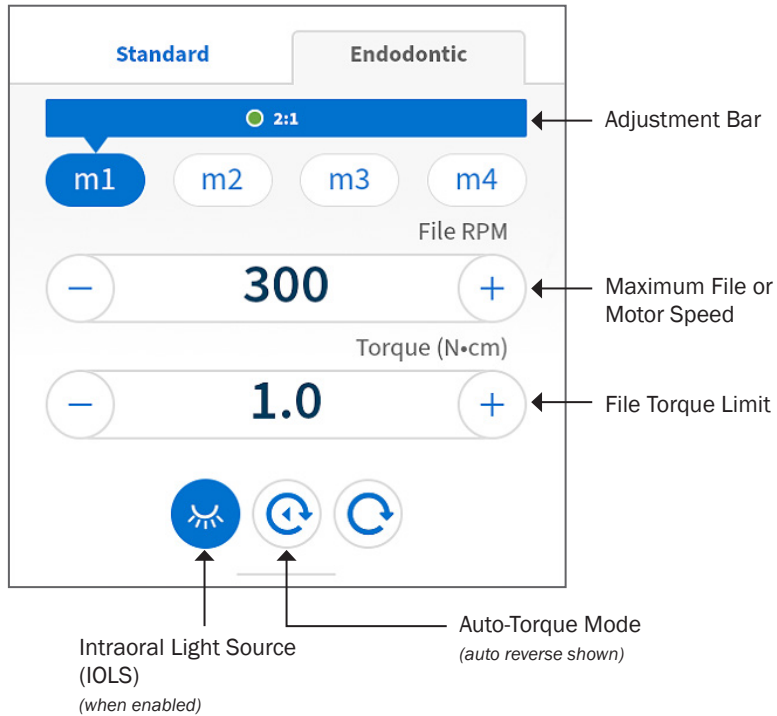


NOTE IOLS, auto-torque mode, and forward/reverse functions are set globally or in-use and cannot be saved under the memory presets.

To customize the endo mode memory presets:

1. Withdraw the handpiece.
2. Select the **Endodontic** tab if **Standard** is active.
3. Select and hold the adjustment bar to choose the handpiece attachment/ratio, then tap ← to return to the **Endodontic** screen.
4. Use — or + to change your preferred maximum file or motor speed and file torque limit.
5. Select and hold a memory preset icon to save the settings until you hear three beeps. This confirms that your new preset is saved.

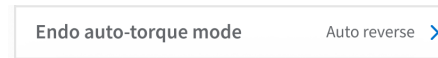
DS7/DS5 Endodontic Electric Handpiece Controls *(continued)*



Additional Endo Mode Settings

You can customize a number of other global settings in endo mode, including IOLS (when enabled), auto-torque default, and alerts. To customize the global endo mode settings:

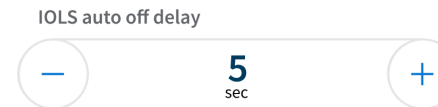
1. Withdraw the handpiece.
2. Select and hold the adjustment bar to access the electric handpiece settings menu.



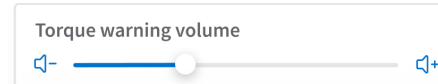
Endo auto-torque mode — sets the default auto-torque setting for the Endo mode.



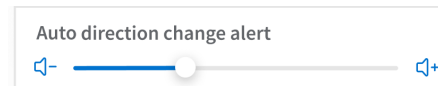
IOLS on when selected — turns on the handpiece light when the handpiece is withdrawn.



IOLS auto off delay — sets the number of seconds the light remains on when the handpiece is withdrawn and not operating.



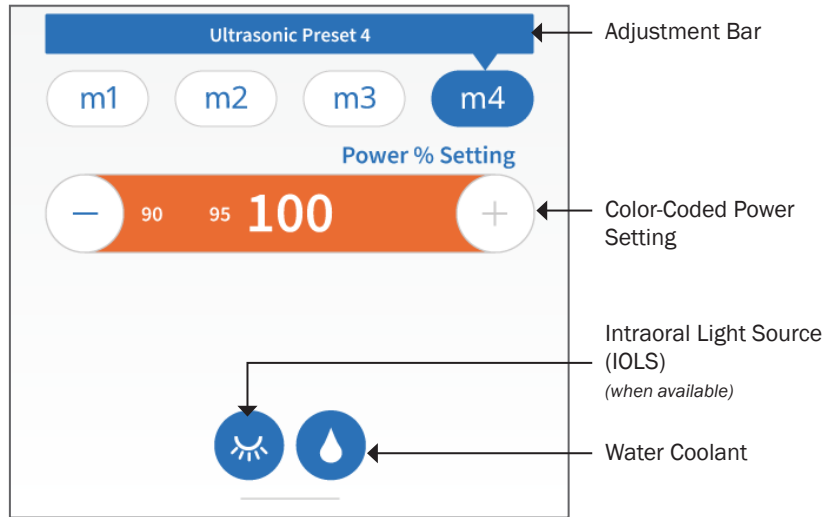
Torque warning volume — changes the volume of the audible alert (two beeps per second) when the motor exceeds 75 percent of the selected torque limit.



Auto direction change alert — changes the volume of the audible alert (two beeps) when the motor automatically changes direction.

3. After making adjustments, tap  or select  to save changes and return to the active handpiece home screen.

DS7/DS5 Ultrasonic Instrument Controls



NOTE The A-dec foot control provides variable scaler output up to the maximum power limit on the display. Most tabletop devices operate differently and use on/off switching.

Ultrasonic Memory Presets

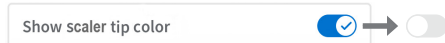
To activate the instrument, withdraw it from the holder. The previous settings used for that handpiece position appear on the display screen. You can change individual settings on the screen manually or use memory presets. Each user profile includes four memory presets for each handpiece. The factory presets include the following values:

Memory Preset	Maximum Power Limit / Acteon Tip Color*	Water Coolant
m1	25% / Green	On
m2	50% / Yellow	On
m3	75% / Blue	On
m4	100% / Orange	On



NOTE Tip color settings are specifically designed for the Acteon Color Coding System™ and Newtron® tips. Power setting colors also appear for other analog ultrasonic instruments. The factory default for this feature is on. To turn off this setting:

1. Withdraw the handpiece, then select and hold the adjustment bar. The handpiece settings screen appears.
2. Tap the blue checkmark next to **Scaler Tip Color**:



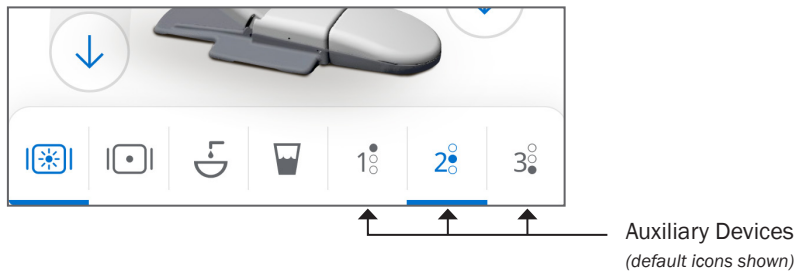
For more information, contact A-dec Customer Service.

Customize the Ultrasonic Memory Presets

To customize an ultrasonic instrument preset:




1. Withdraw the instrument.
2. Select — or + to change your preferred power setting.
3. Select to turn water coolant on or off.
4. If available, select to turn IOLS on or off.
5. Select and hold a memory preset icon to save the settings until you hear three beeps. This confirms that your new preset is saved.

DS7/DS5 Auxiliary Devices

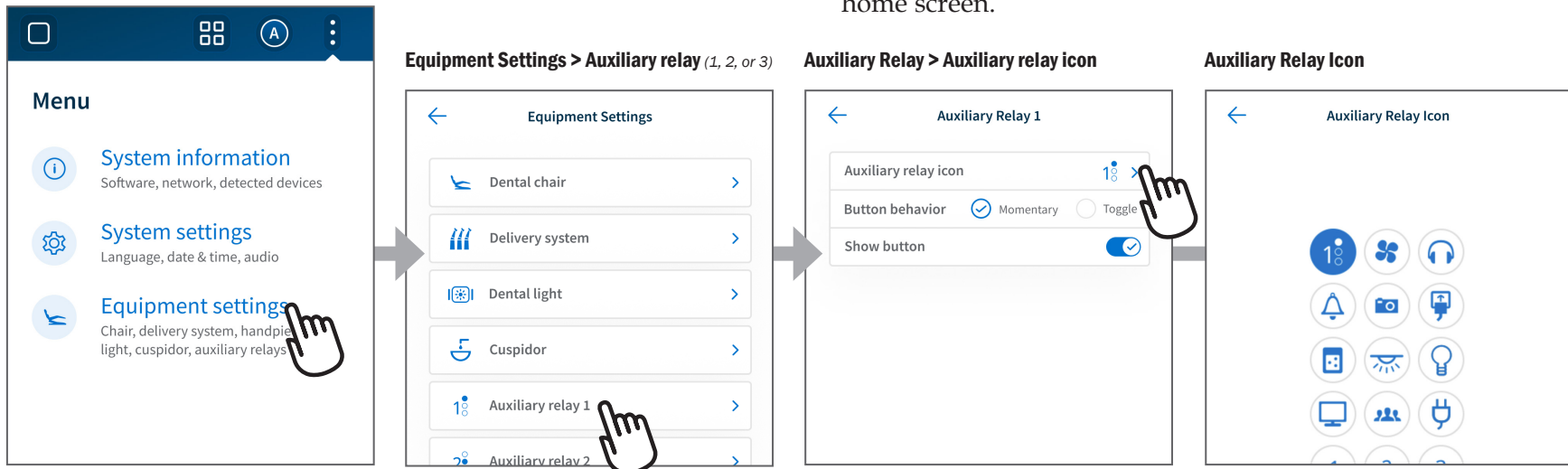


On systems that include an A-dec relay module, you can customize the auxiliary device icons for easy reference in the bottom navigation.

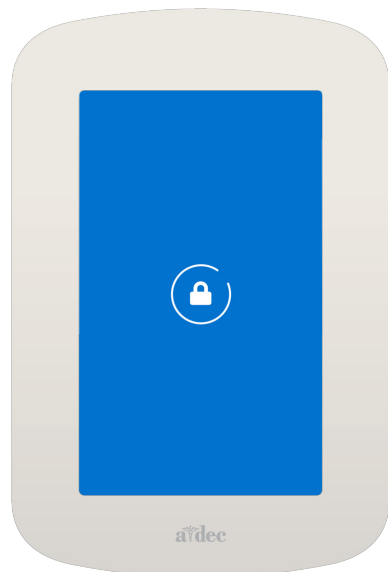
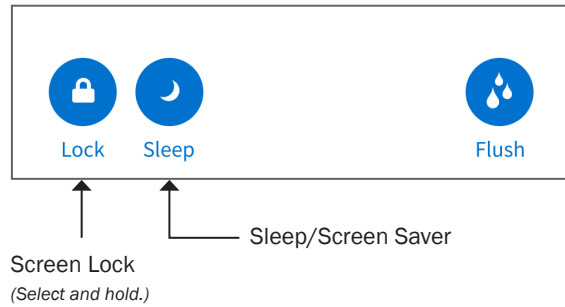
To customize an auxiliary device icon:

1. Select  at the top of the screen to access the settings menu.
2. Go to: **Equipment settings** > **Auxiliary Relay** (1, 2, or 3).
3. Choose the auxiliary relay you would like to customize, then select the icon and icon behaviors (toggle, momentary, or hidden).
4. Tap  or select  to save your changes and return to the home screen.

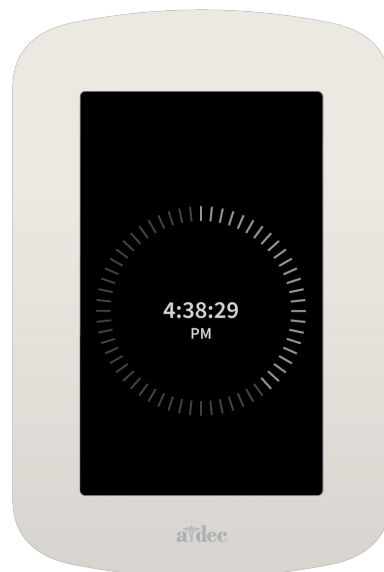
Settings Menu  > Equipment settings





DS7/DS5 Screen Lock and Sleep/Screen Saver





Screen Lock

Sleep/
Screen Saver

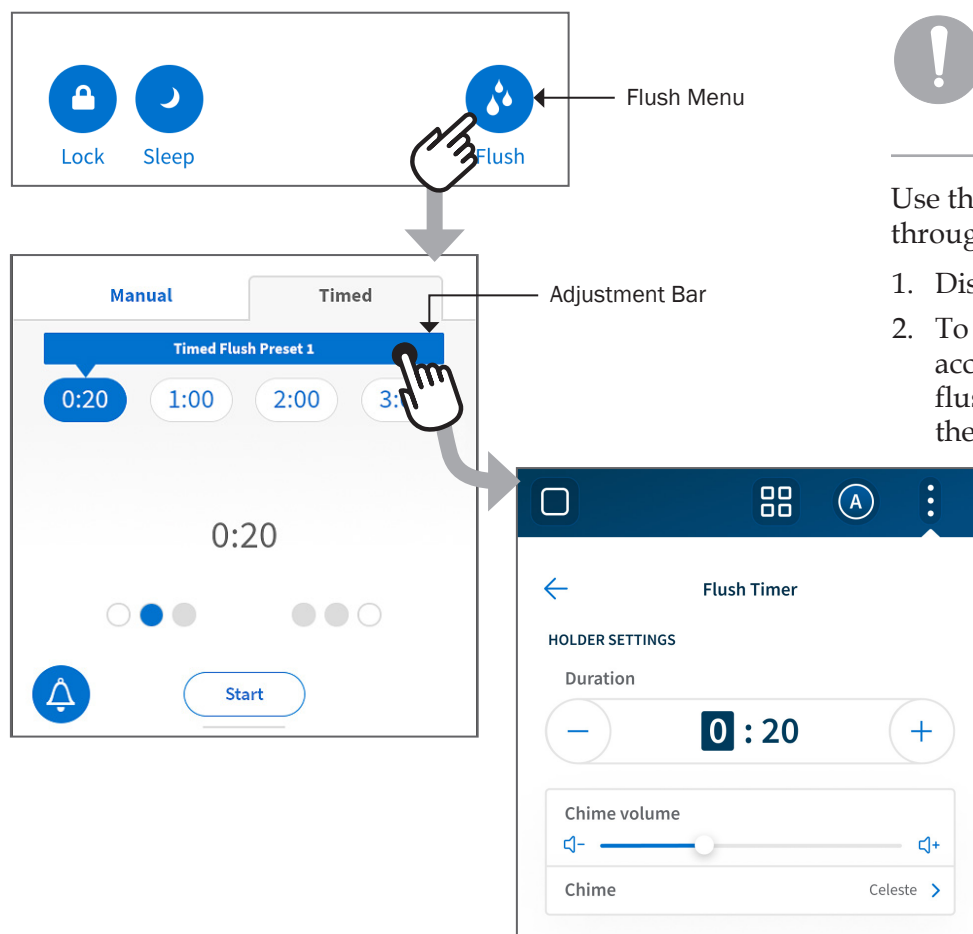
Screen Lock

The screen lock allows you to clean, disinfect, and barrier protect the touchscreen without unintentionally activating any commands. To activate the screen lock, select  at the top of the screen to access the settings menu, then tap . The screen will remain locked for 15 seconds.

Sleep/Screen Saver



A sleep/screen saver mode automatically activates when the system is idle for 30 minutes. This helps prevent the possibility for screen burn-in and increases the life of the display. You can also manually activate the sleep/screen saver mode. To activate, select  at the top of the screen to access the settings menu, then select . Touch anywhere on the screen or grab the delivery system handle to reactivate the display.

DS7/DS5 Handpiece Tubing Flush





NOTE Flush all handpiece tubing (air and waterlines) in accordance with the regulations in your area. If no regulations exist, flush the tubing for a minimum of 20–30 seconds at the beginning of the day and after each patient.

Use the flush feature on the touchscreen to move a high volume of water through the handpiece tubing. To flush the tubing:

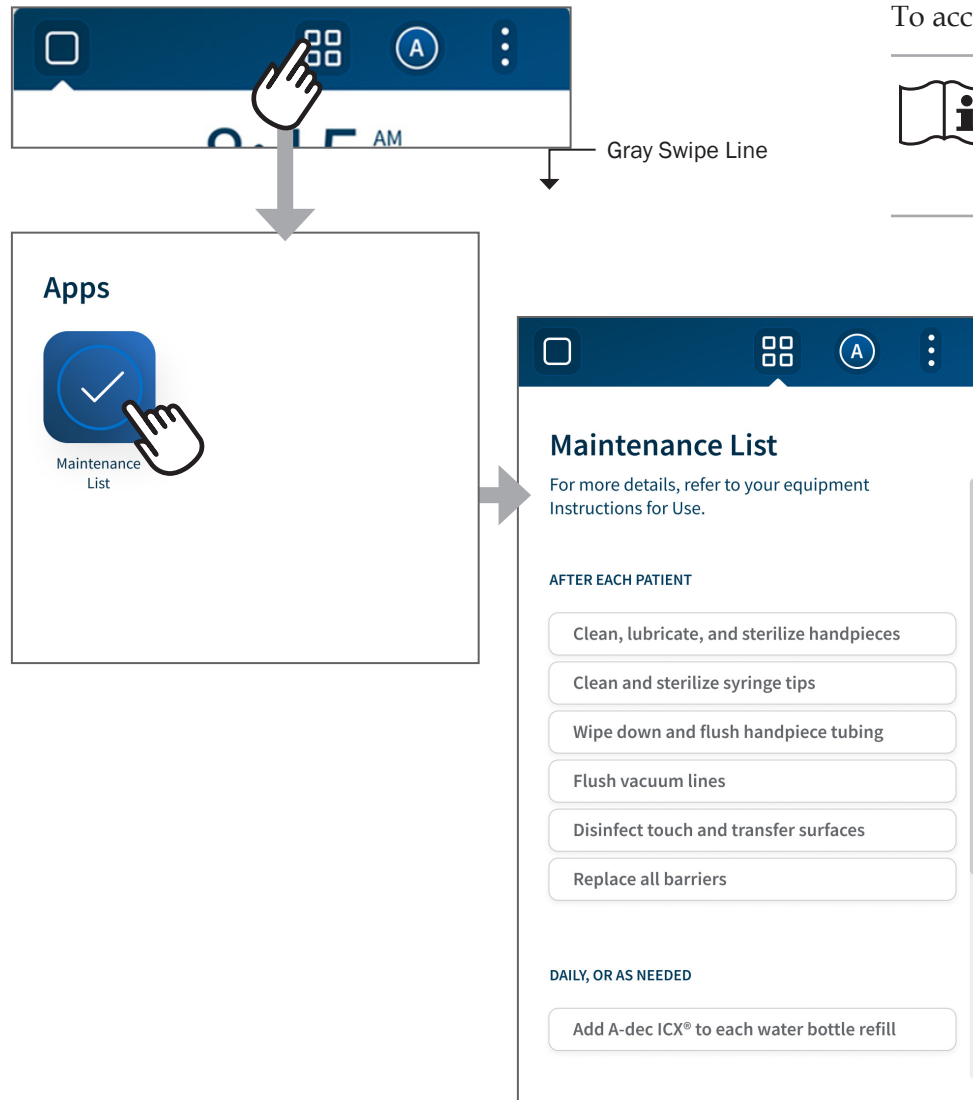
1. Disconnect the handpiece(s).
2. To flush one handpiece tubing, select  at the top of the screen to access the settings menu, then tap  in the lower dock to access the flush controls. To flush more than one handpiece tubing, withdraw the handpiece tubing together to access the flush controls.
3. Gather and hold the handpiece tubing over a sink, cuspidor bowl, or basin.
4. Use the manual or timed controls on the touchscreen to flush the tubing.

Customize Preset Flush Timers

You can choose duration, chime, and chime volume for each flush timer. To customize the flush timers:

1. Select and hold the flush timer adjustment bar to access the flush timer settings.
2. Adjust the duration, chime volume, and chime for each timer you'd like to adjust.
3. Tap  to return to the main flush timer window.
4. After flushing the tubing, select  to return to the home screen.

DS7/DS5 Built-In Apps

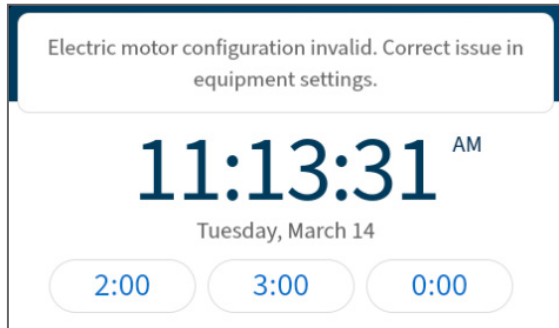


To access the built-in apps, select  at the top of the screen.



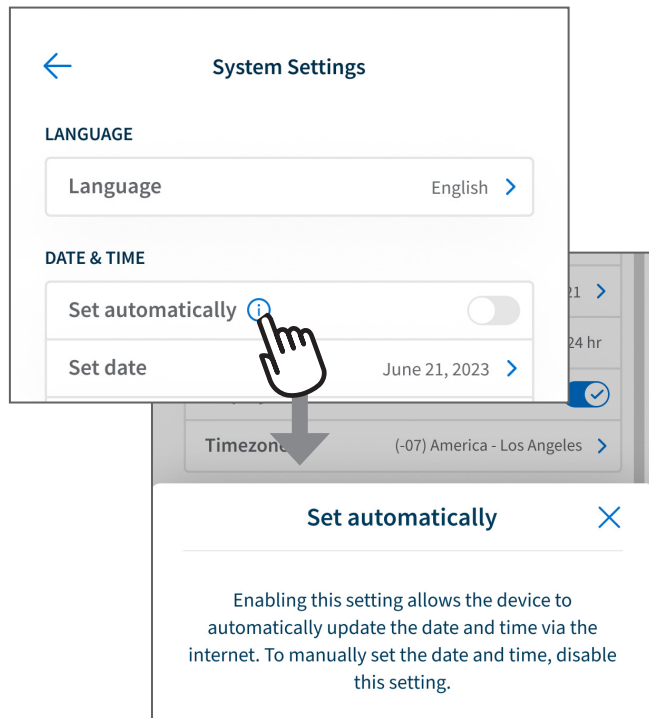
IMPORTANT The initial app includes a list of common maintenance items for A-dec equipment. Always refer to the Instructions for Use that came with your equipment for specific cleaning and maintenance instructions.

DS7/DS5 User Notifications and On-Screen Help Messages



User Notifications

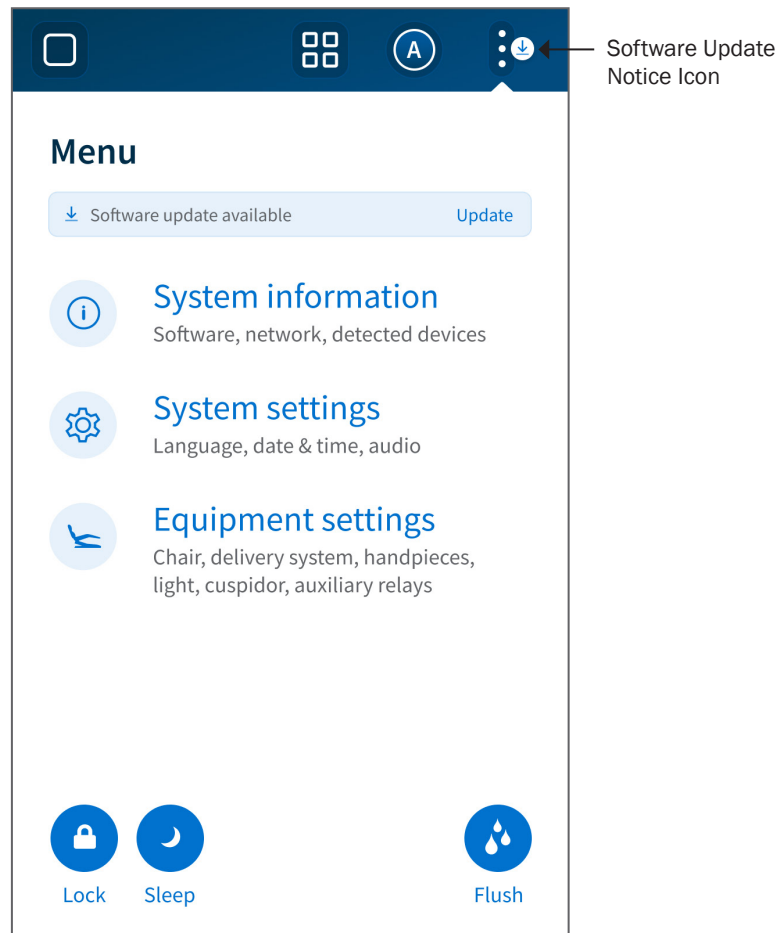
Anytime there is a functional error between the software and the equipment, a message will pop up informing you of the error. If one appears, follow the corrective action in the message. If the note continues to appear, take note of the message and the function you were performing in case service is required. If the recommended action does not correct the situation, contact A-dec Customer Service.



On-Screen Help Messages *i*

Throughout the device, help messages are available in some settings and operational menus. Simply tap *i* for helpful tips describing a feature or adjustment.

DS7/DS5 Software Updates



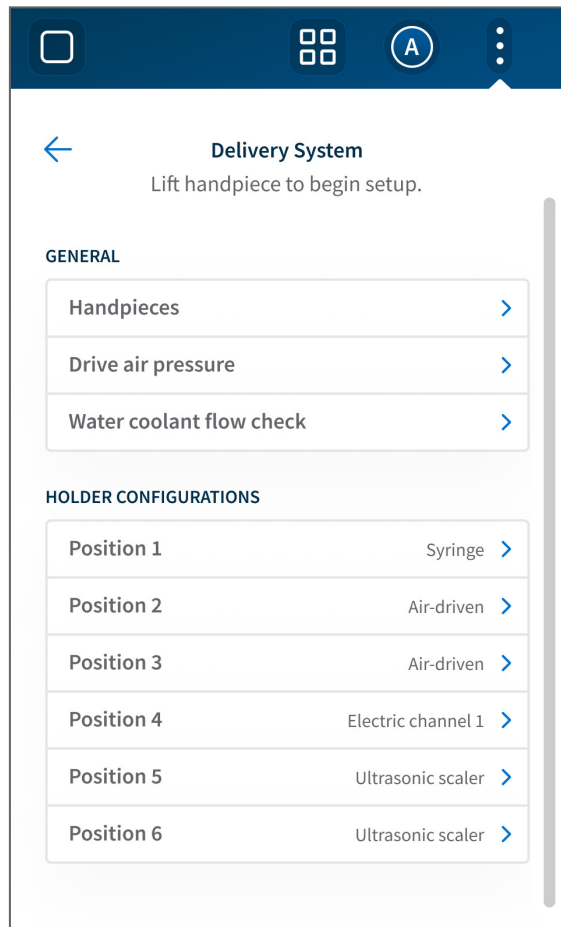
A-dec provides software updates for products that have been registered to an A-dec+™ clinic account. If your A-dec products have not been registered, contact A-dec Customer Service for assistance.

For registered products, A-dec will notify you concerning software updates via email (if you opted in for notification), and an icon will appear on your device indicating that an update is available. A-dec+ mobile and web apps will also show which equipment needs to be updated.

Some software updates may be classified as critical (e.g., concerning safety, security, etc.). For critical software updates, you may receive more notifications and have fewer options for your response to those notifications, as compared to non-critical software updates.

The A-dec+ web and mobile apps will provide the estimated time needed for the software update. Once the update is initiated, the equipment cannot be used until the update is complete and the system restarts. You'll receive notification once the update is complete. If you receive error notifications, contact A-dec Customer Service.

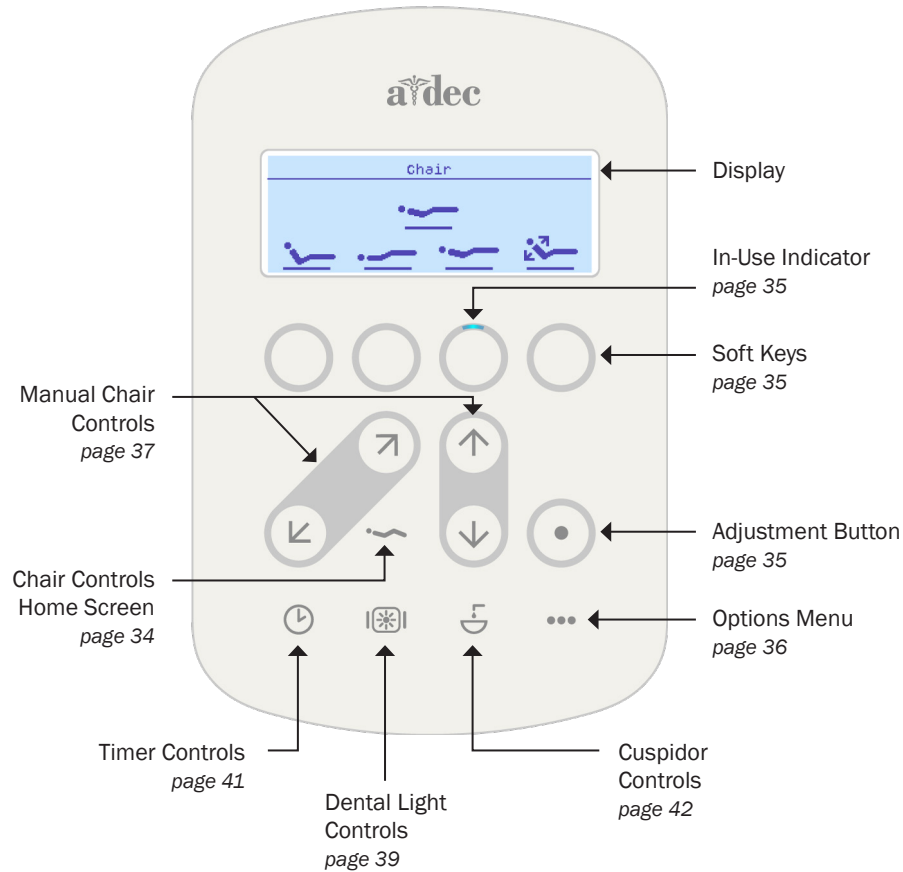
Additional DS7/DS5 Setup and Settings Assistance



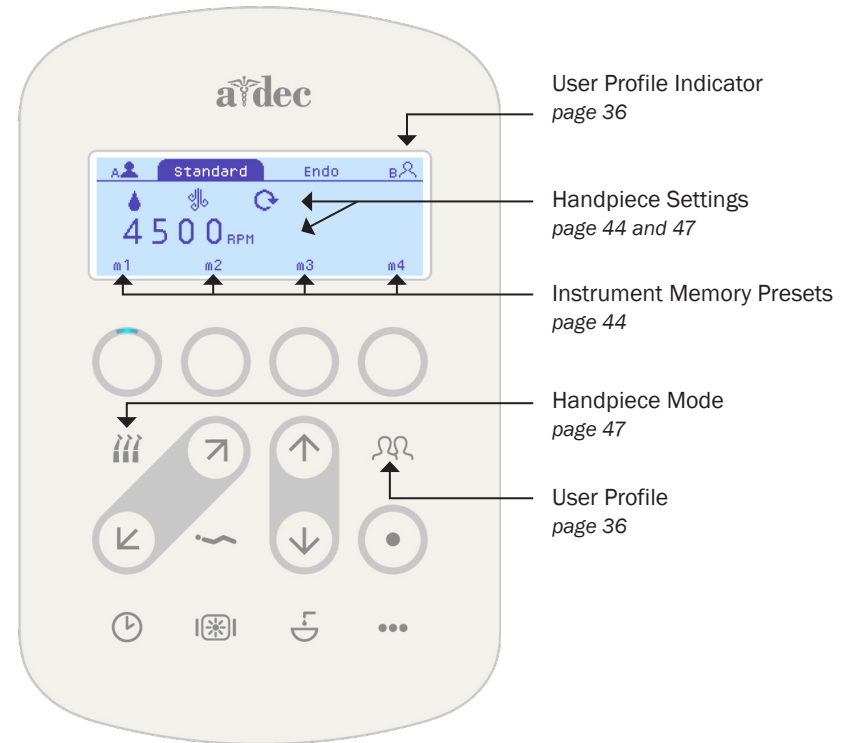
Some settings are intended only for installation of new equipment and accessories to your A-dec system. For help with these and other specialized settings, contact your local authorized A-dec dealer or A-dec Customer Service.

CP5i/CP5 Control Pads

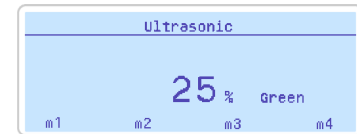
CP5i/CP5 Features (CP5 shown)



CP5i-Only* Features

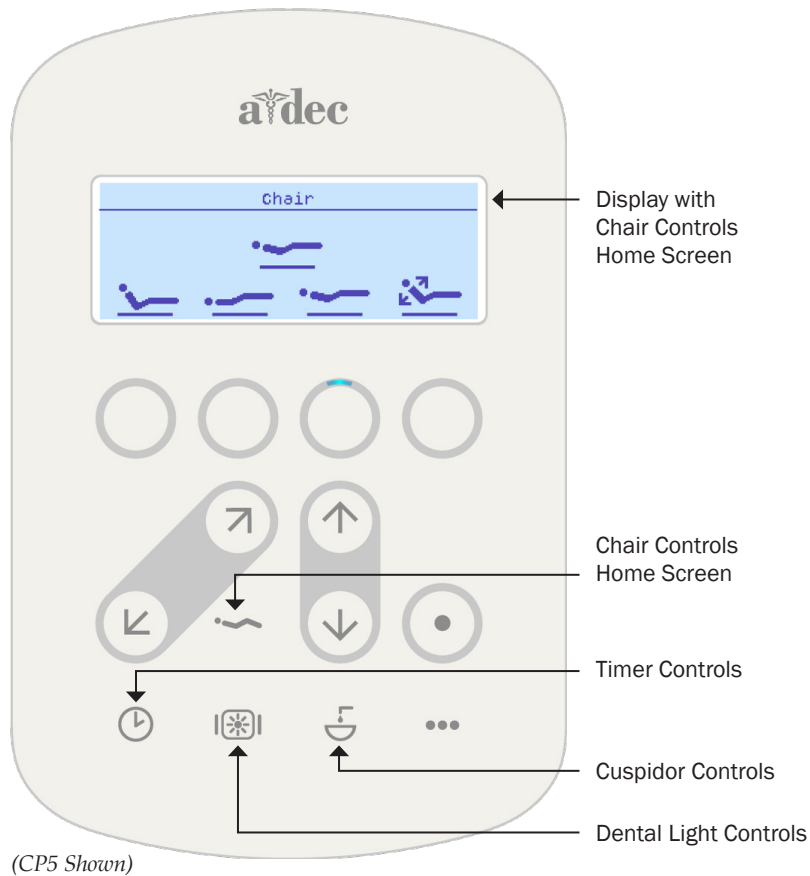


NOTE When integrated into the delivery system, a CP5 control pad provides power settings and memory presets for ultrasonic instruments.*

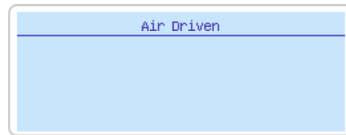


Note. Touch control symbols and icons are proprietary to A-dec, Inc.


CP5i/CP5 Basic Functions



NOTE When a CP5 control pad is integrated into the delivery system, some functions are limited or unavailable on the display screen.*


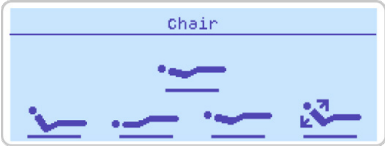








Startup Screen

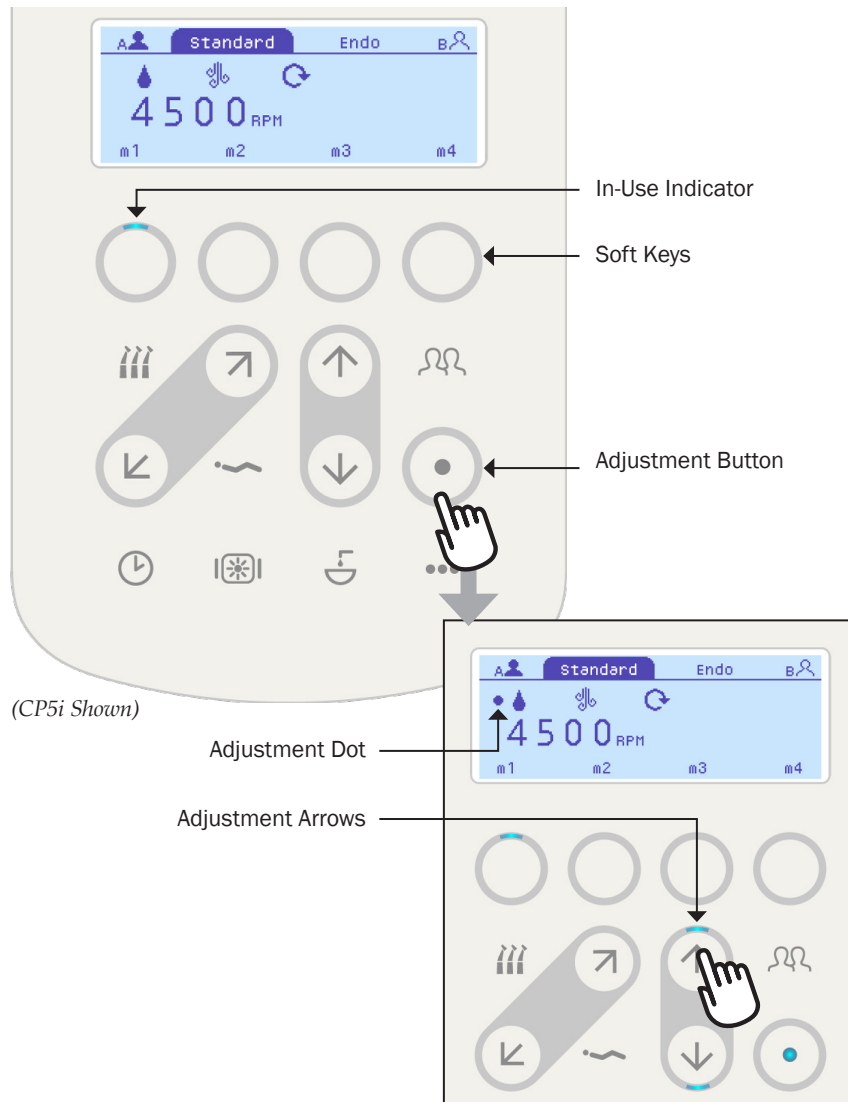
Chair controls will always appear on the display when you turn on the system. Handpiece functions appear when you withdraw a handpiece.* Return the handpiece to return to the previous screen. Select  on the control pad to return to the chair controls home screen.

Equipment Function Navigation







Select the following static icons to enter the various functional screens:

Icon/Function	Display Screen
 Chair Controls Display	 <p>See "CP5i/CP5 Manual Chair Controls" on page 37 for more details.</p>
 Dental Light Controls	 <p>See "CP5i/CP5 Dental Light Controls" on page 39 for more details.</p>
 Timer Controls	 <p>See "CP5i/CP5 Timer Controls" on page 41 for more details.</p>
 Cuspidor Controls	 <p>See "CP5i/CP5 Cuspidor Controls" on page 42 for more details.</p>

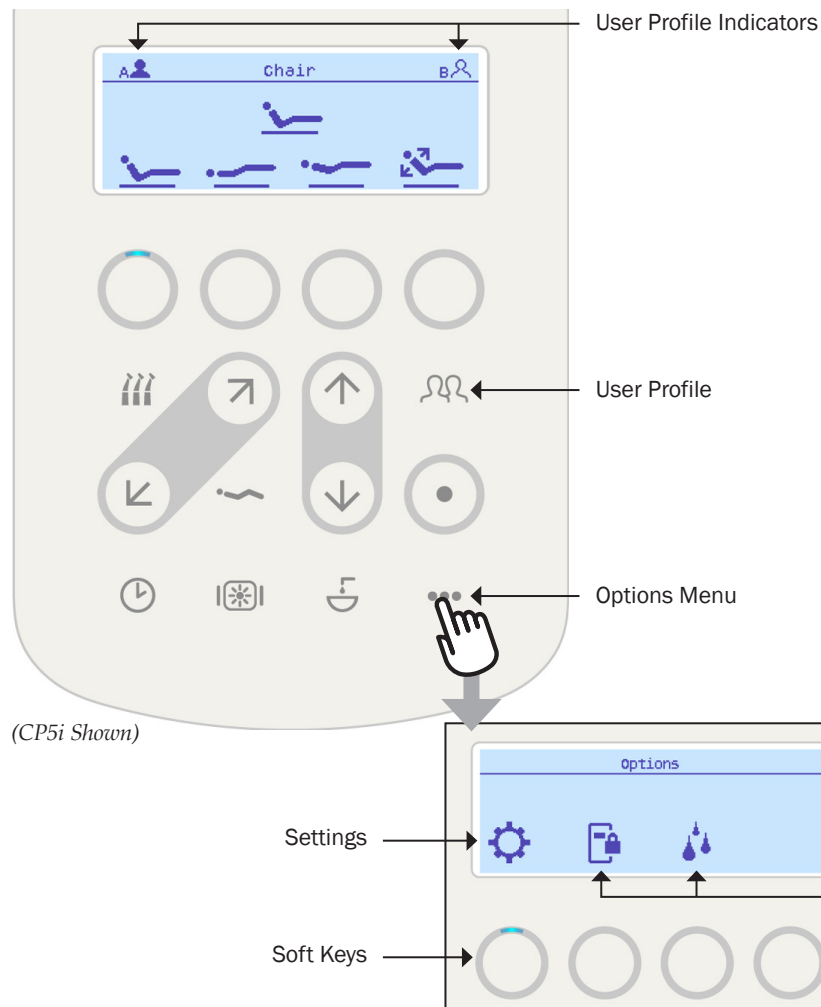
CP5i/CP5 Basic Functions *(continued)*



Soft Keys, Adjustment Button, and Adjustment Arrows



Icon/Function	Actions/Options
 <p>Soft Keys</p>	<p>The four soft keys under the display allow you to choose functions and options that appear on the display. The in-use indicator illuminates for various preset and functional selections and depends upon the specific operation or choices on the display.</p>
 <p>Adjustment Button</p>	<p>Select  to change or adjust functions on the display (e.g., to turn water coolant off in standard mode electric handpiece settings). A dot will appear next to the item to change or adjust. Select  again to move the dot to the next item.</p>
 <p>Adjustment Arrows</p>	<p>The chair base up and base down arrows illuminate whenever an adjustment is available for a feature or setting on the display. Select either arrow to make the adjustment. When you are finished adjusting the item, select  to move the dot to the next item.</p>

CP5i/CP5 Basic Functions *(continued)*





User Profile *(CP5i only)*

NOTE If more than one operator uses the delivery system, be sure to select the correct user profile before changing any memory settings. Most settings and customizations are saved to the selected user profile.

The selected user profile is indicated by  in the upper right or left corner of the display. To switch to another user profile, simply select  on the control pad.

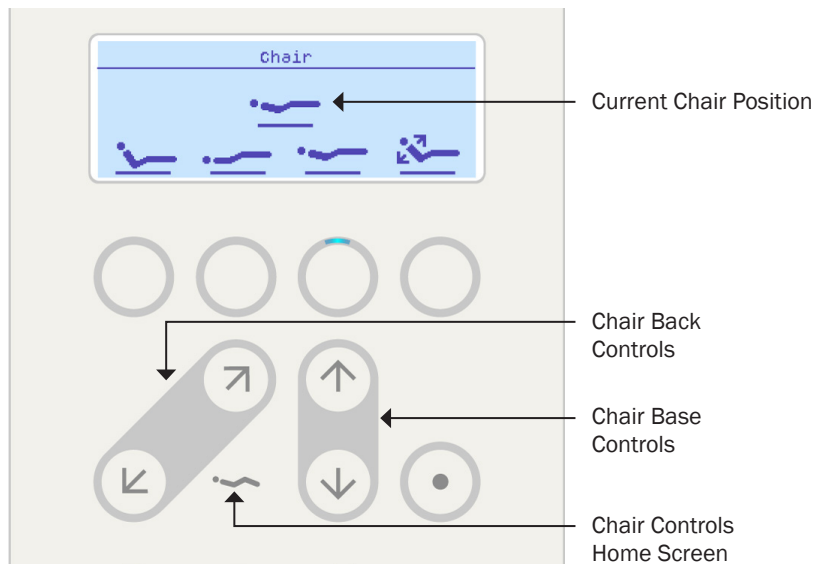
With each user profile, CP5i provides up to 4 memory presets for chair, air-driven handpiece, electric handpiece (in standard and endo modes), ultrasonic instrument, timer, and cuspidor functions.

Options Menu and General Settings

Select  to display the **Options** menu, which provides access to the settings menu, screen lock, and (on CP5i only) flush functions. To access **Settings**, select the soft key under .

NOTE In order to exit **Settings**, all instruments must be returned to their holders.

CP5i/CP5 Manual Chair Controls



IMPORTANT A-dec touch controls and the footswitch move the chair in the same manner. For more details about footswitch controls, see your chair Instructions for Use.



WARNING Ensure that the patient is positioned safely before using the manual or preset chair controls. Never leave the patient unattended while the chair is in motion. Always take extra care with small children and patients with limited mobility.

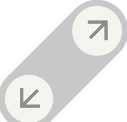

To stop the chair at any point during preset movement, select any chair positioning button on the footswitch or touch control.

The chair icon at the top of the display represents the current chair position. Select and hold the manual chair back and chair base controls to reposition the chair.

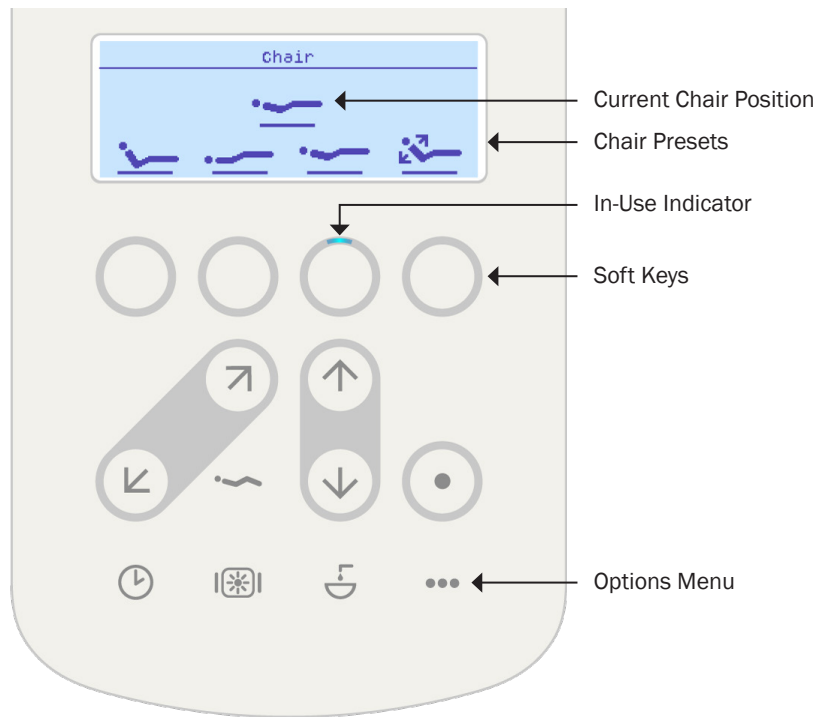
If you are using other functions and need to return to the chair controls home screen, select .



NOTE If you would like to adjust the maximum height of your chair, contact your local authorized A-dec dealer.

Icon/Function	Actions/Options
	Back Up/ Back Down Select and hold to raise or lower the chair back.
	Base Up/ Base Down Select and hold to raise or lower the chair base.

CP5i/CP5 Preset Chair Controls



Icon	Preset Name	Factory Setting
	Entry/Exit	Positions the chair for patient entry/exit.
	Treatment 1	Positions the chair base and back down.
	Treatment 2	Positions the chair base down and the back partially up.
	X-Ray/Rinse	Moves the chair to either x-ray or rinse position. Select again to move the chair to the previous position.

To move the chair to a preset position, select a soft key under the chair preset icon in the display. See the table (below left) for factory settings.

Customize the Chair Preset Positions

To customize chair presets:

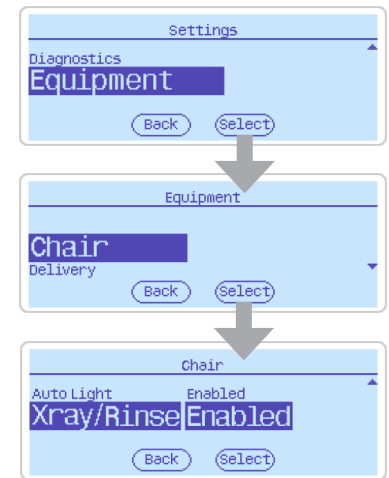
1. Use the manual chair controls to reposition the chair.
2. Select and hold a soft key until the in-use indicator illuminates and you hear three beeps. This confirms that your new preset is saved.

Customize the X-Ray/Rinse Chair Preset

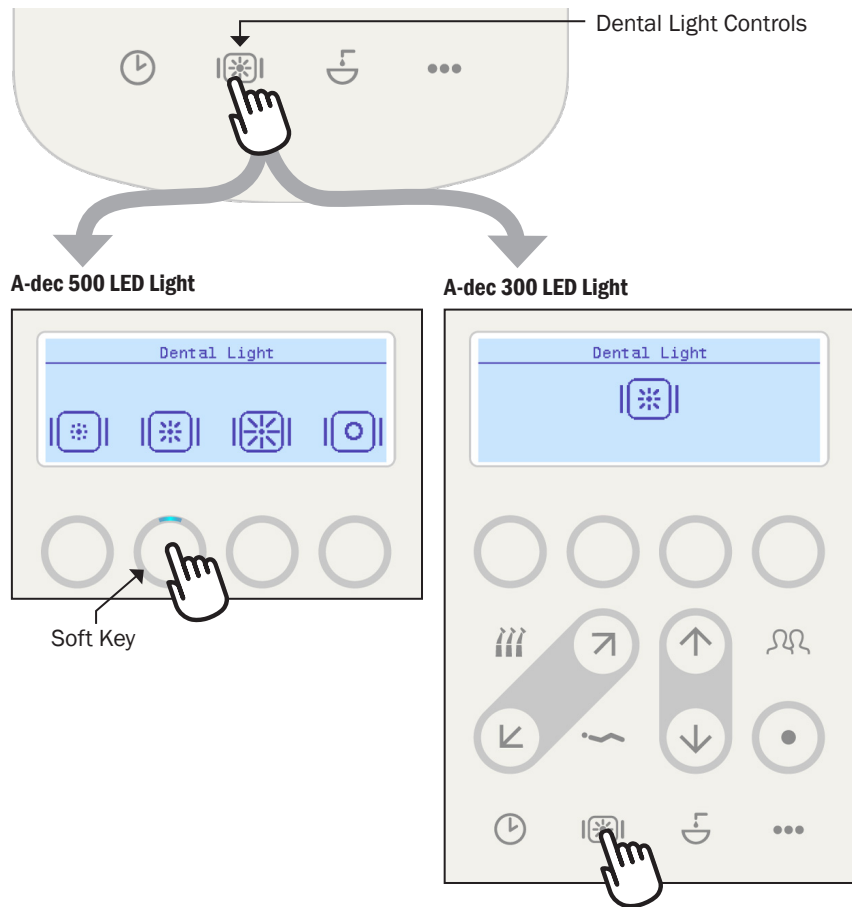
The factory preset moves the chair and patient into an upright position for x-rays or cuspidor access. Select it again to return the chair to its previous position.

You can also change this preset to function like the other customized chair preset positions. To change its function:

1. Select on the control pad to access the **Options** menu and select the soft key under to access settings.
2. Select **Equipment**, then select **Chair**.
3. Select **Xray/Rinse**, then select **Disabled**.
4. Select to return to the chair functions display.




CP5i/CP5 Dental Light Controls



Turn On/Turn Off the Dental Light and Change the Intensity

Dental light operation on the control pad varies between models.

For A-dec 500 LED lights:

1. Select  in the lower section of the control pad to access the dental light menu.
2. To turn on the light, select the soft key below your chosen light intensity in the display.






3. To turn off the light, select the soft key again, or select  on the control pad.



NOTE The A-dec 500 light will turn on with the same intensity until you change your selection.

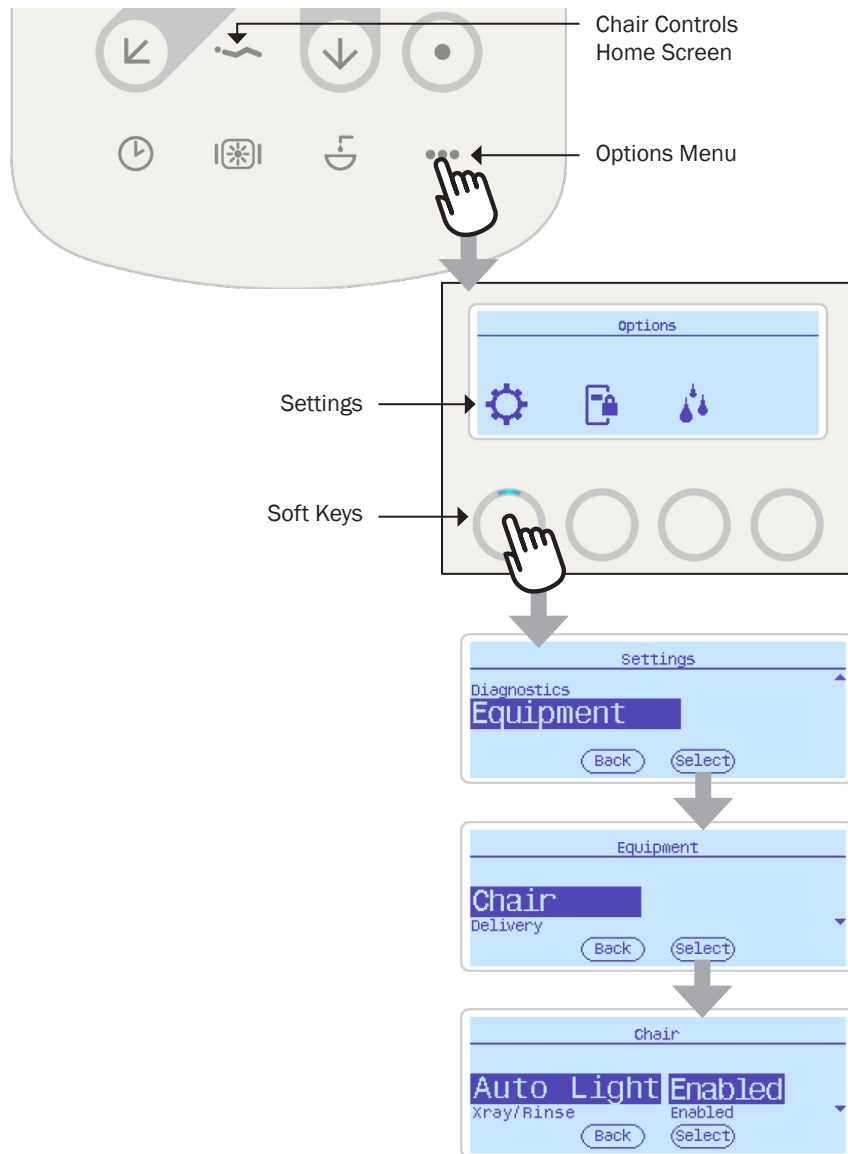
For A-dec 300 LED lights:

1. Select  in the lower section of the control pad to turn on the dental light.
2. Select  again to change light intensity.
3. To turn off the light, select and hold .






IMPORTANT For more details on dental light operation, see the Instructions for Use that came with your dental light.




CP5i/CP5 Dental Light Controls *(continued)*



Set the Dental Light Auto On/Off Function

When you use the factory chair presets  , the dental light automatically turns on when the chair motion stops. The light turns off when you select  or .

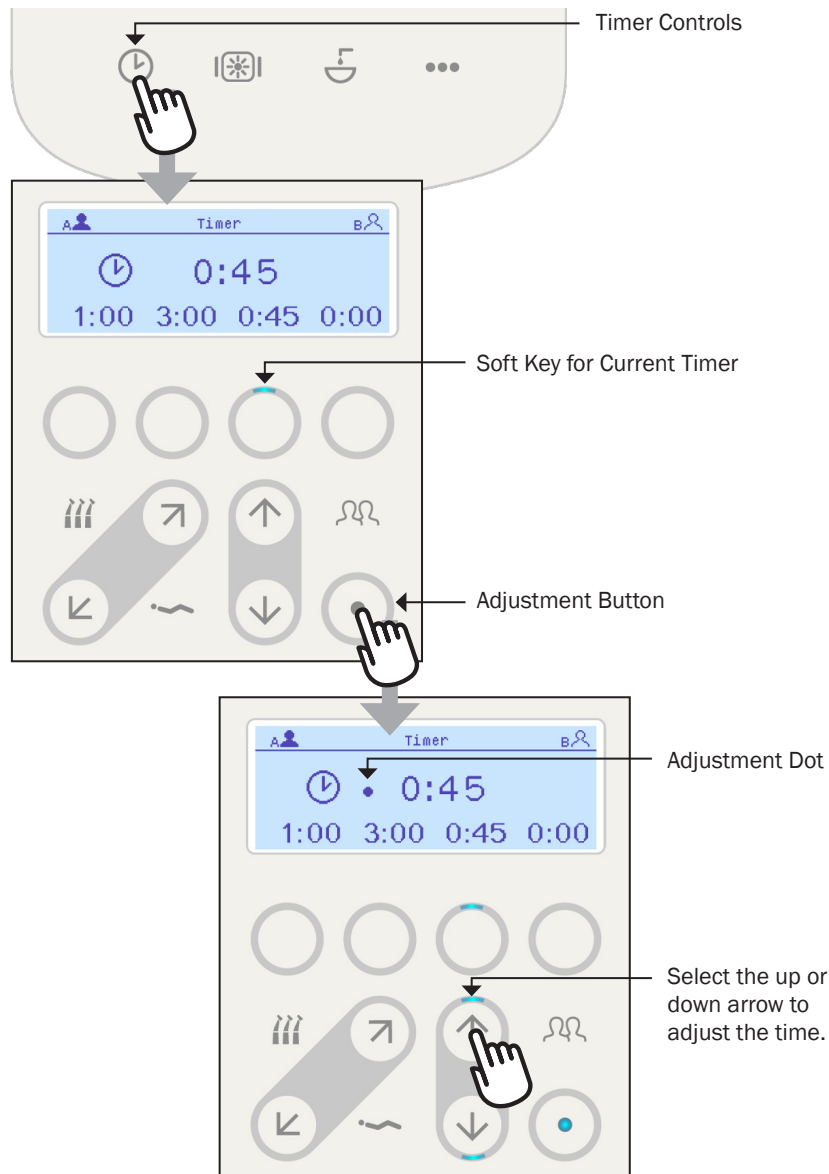
To disable this function:

1. Select  on the control pad to access the **Options** menu and select the soft key under  to access settings.
2. Select **Equipment**, then select **Chair**.
3. Select **Auto Light**, then select **Disabled**. One beep confirms that the setting is **Disabled**.
4. To return to the chair controls home screen, select .



IMPORTANT For more details on dental light operation, see the Instructions for Use that came with your dental light.

CP5i/CP5 Timers



Run and Adjust the Timers

1. Select ⌚ on the control pad to open the timer screen.
2. Select the soft key under the timer you want to start.
3. Select the soft key again to stop and reset the time. Depending upon your configuration, you'll hear two beeps or a chime when the time is complete.



NOTE An activated timer will continue to run in the background if you leave the timer screen to use another function. The audible notification will also sound when the time is complete.

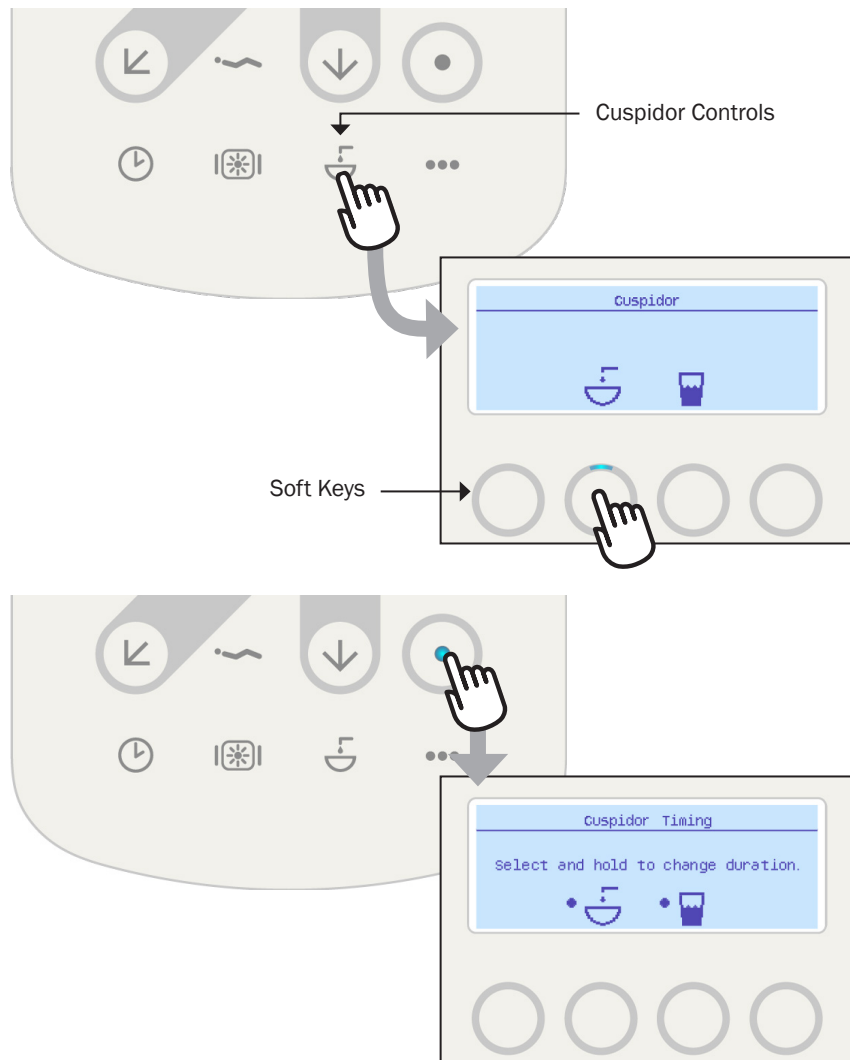


NOTE The 0:00 preset timer functions like a stopwatch, and there is no chime when you stop the timer.


To customize the timers:





1. Select ⦿ to enter the adjustment mode. A dot appears next to the current timer.
2. Use ⬆️⬆️ to adjust the time.
3. For stopwatch functionality, adjust the timer to 0:00.
4. Select and hold the soft key under your preferred timer until you hear three beeps. This confirms that your new timer is saved.
5. Select ⦿ again to exit the adjustment mode.

CP5i/CP5 Cuspidor Controls










Bowl Rinse and Cupfill

For cuspidor controls, select  in the lower section of the control pad to open the cuspidor function screen.

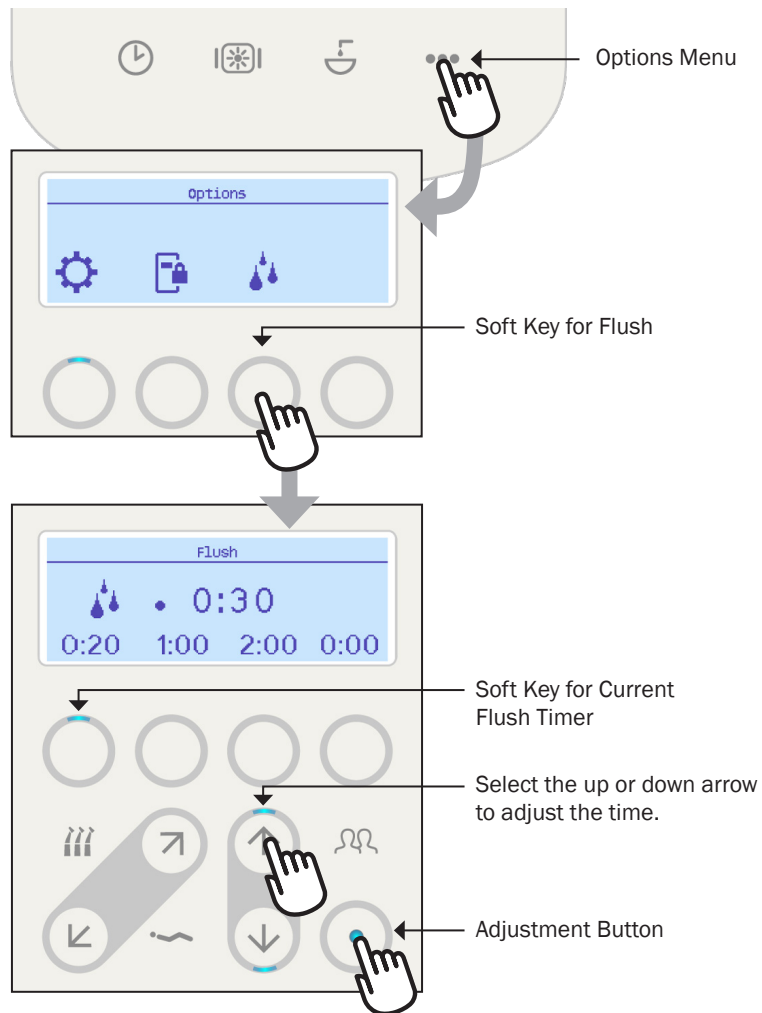
Icon/Function	Actions/Options
 Bowl Rinse	<ul style="list-style-type: none"> Select the soft key under  once for a timed operation. The factory preset is a 30 second rinse. Select and hold for manual, continuous flow. Release to stop the flow.
 Cupfill	<ul style="list-style-type: none"> Select the soft key under  once for a timed operation. The factory preset is a 2.5 second fill. Select and hold for manual, continuous flow. Release to stop the flow.

To customize bowl rinse and cupfill timing:

 **NOTE** Water will flow from the cuspidor bowl and cupfill spout while you make timing adjustments.


- Select . A dot appears next to  and .
- Select and hold the soft key under  and  for the duration you would like for each timed operation.
- Select  again to exit the adjustment mode.

CP5i Handpiece Tubing Flush



NOTE Flush all handpiece tubing (air and waterlines) in accordance with the regulations in your area. If no regulations exist, flush the tubing for a minimum of 20–30 seconds at the beginning of the day and after each patient.




Use the flush feature on the control pad to move a high volume of water through the handpiece tubing. To flush the tubing:

1. Select ●●● on the CP5i control pad to access the **Options** menu.
2. Select the soft key under .
3. Disconnect the handpieces.
4. Hold the handpiece tubing over a sink, cuspidor bowl, or basin.
5. Select the soft key for your preferred flush time. Two beeps indicate that the flush is complete.

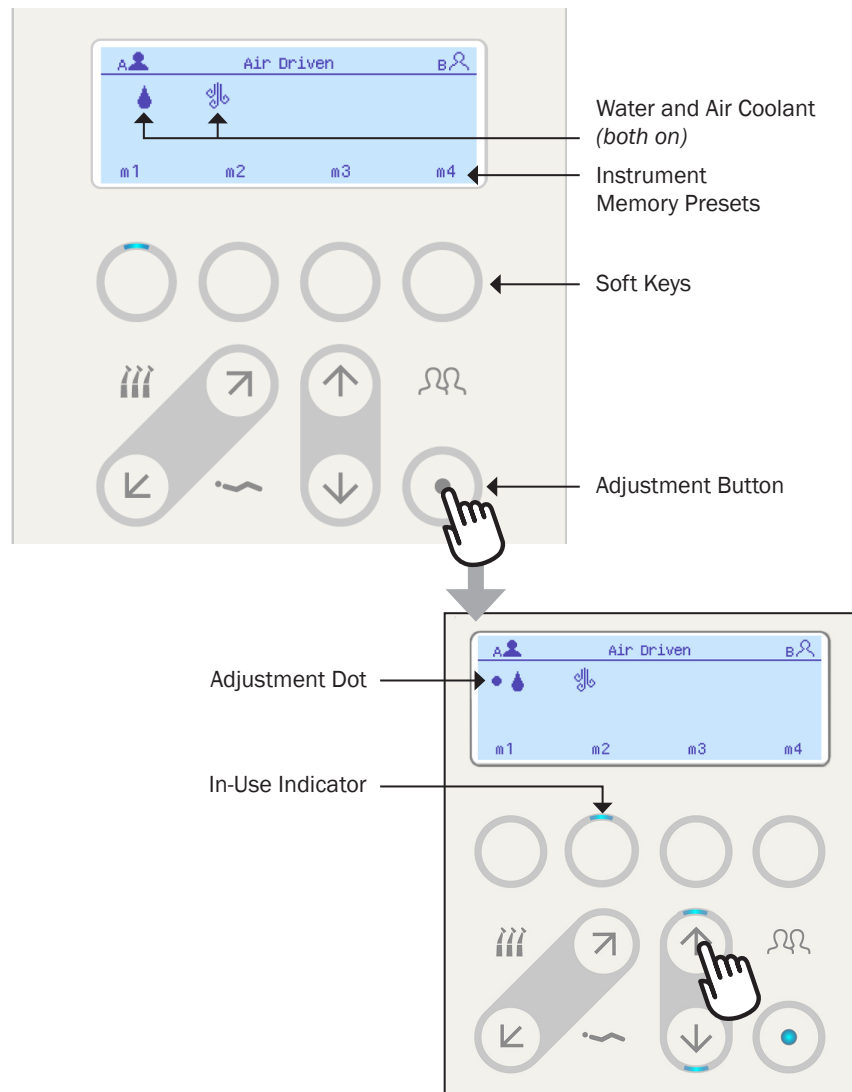


NOTE If you would like to turn off the flush alert, go to: **Settings > Equipment > Delivery > General Settings > Flush Alert** and select **Disabled**.

To customize the tubing flush timers:

1. Select . A dot appears next to the current flush timer.
2. Use  to adjust the time.
3. For stopwatch functionality, adjust the timer to 0:00.
4. Select and hold the soft key under your preferred timer until you hear three beeps. This confirms that your new timer is saved.
5. Select  again to exit the adjustment mode.

CP5i General Handpiece Controls

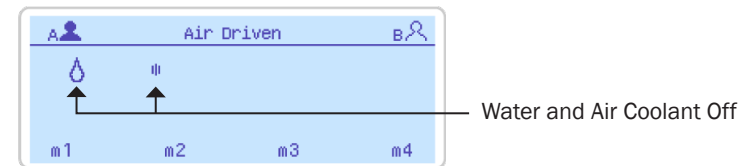


To see and change handpiece functions on the CP5i control pad, withdraw the handpiece. **Air Driven** appears on the display screen whenever a standard air-driven handpiece is withdrawn. The display shows the previous settings used for that handpiece position.

Air and Water Coolant

To customize the current coolant settings:

1. Select . A dot appears next to the last adjusted setting. Select again to move the dot to the item you would like to adjust.
2. Use to turn water or air coolant off or on.



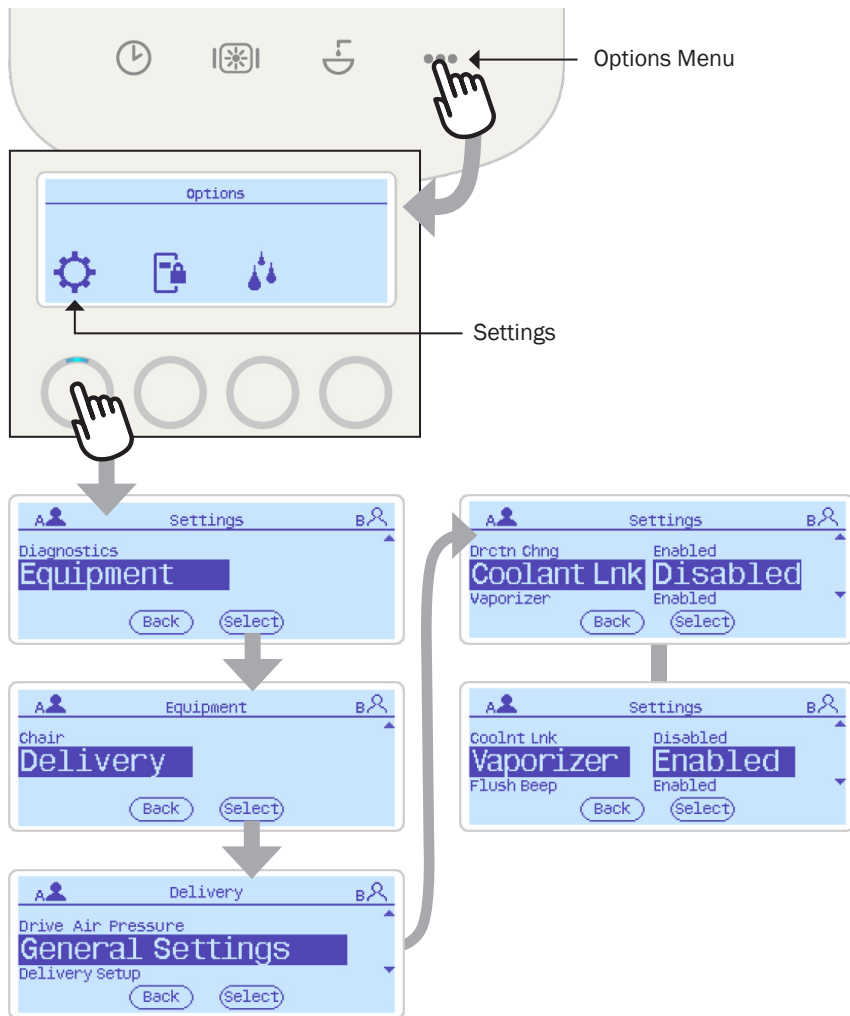
3. Select and hold the soft key under your preferred memory preset until you hear three beeps. This confirms that your new preset is saved.
4. To exit the adjustment mode, return the handpiece or wait about 10 seconds.



NOTE Systems with a lever foot control will not display air or water coolant on the control pad. If or appear on the screen, the foot control setting is incorrectly set to **Disc** and should be changed to **Lever**. To correct the setting, select and go to: **Settings > Equipment > Delivery > Delivery Setup > Foot Ctrl** to make the change.



CP5i General Handpiece Controls *(continued)*



Global General Settings

A number of general handpiece settings can only be applied globally and do not impact memory preset customizations. These include endodontic settings, various alerts, coolant link, and the vaporizer.

To customize any of these settings:

1. Select ●●● on the control pad to access the **Options** menu.
2. Select the soft key under ⚙️ to access settings.
3. Select **Equipment**, then select **Delivery**.
4. Select **General Settings**, then scroll down and select the setting you would like to change.
5. To exit the **Settings** screen, select any controls menu icon on the control pad (⏪, ⏩, ⏴, ⏵, or ●●●).

Coolant Link

Coolant link allows you to turn air and water coolant functions on and off at the same time. The factory setting for the coolant link mode is **Disabled**.



Coolant Link Disabled



Coolant Link Enabled



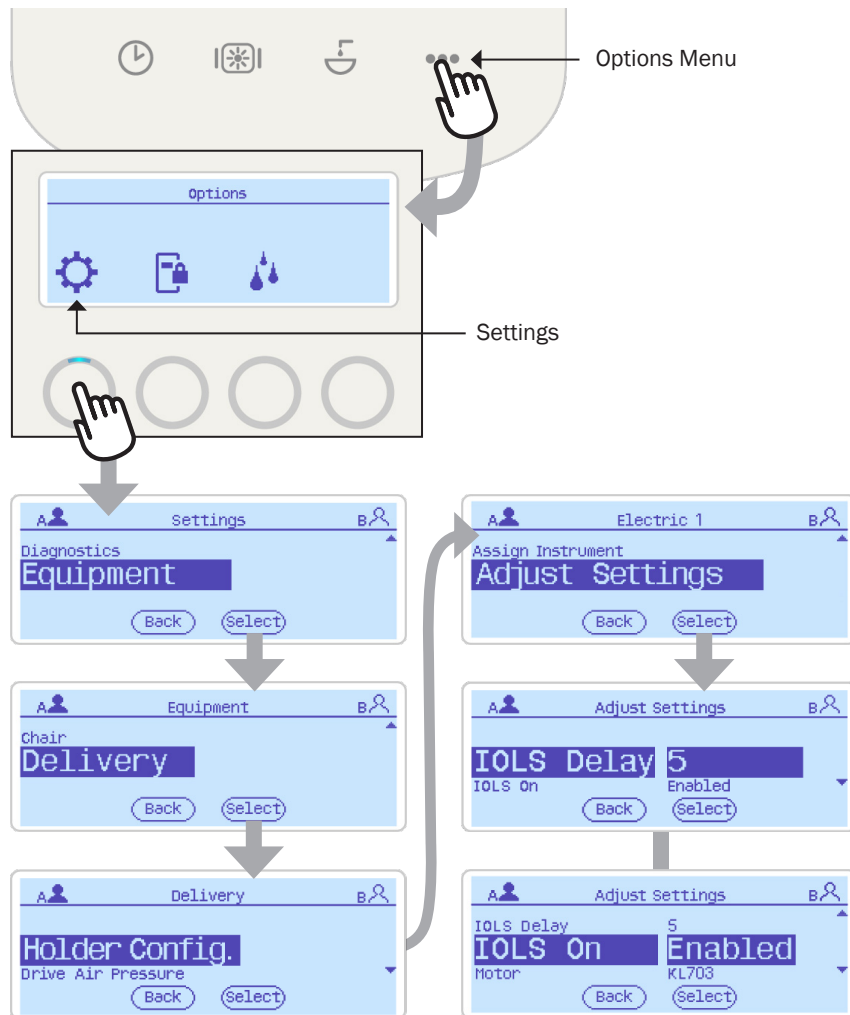
NOTE Systems with a lever foot control will not display air or water coolant on the control pad. However, if coolant link is **Enabled**, the air coolant is turned off when the lever is moved to the right for dry operation.



Vaporizer

The vaporizer function emits a short burst of air out of the handpiece coolant ports after you release the foot control (when air and water coolant are both on). This helps prevent water from dripping on the patient. The factory setting for the vaporizer is **Enabled**.

CP5i General Handpiece Controls *(continued)*

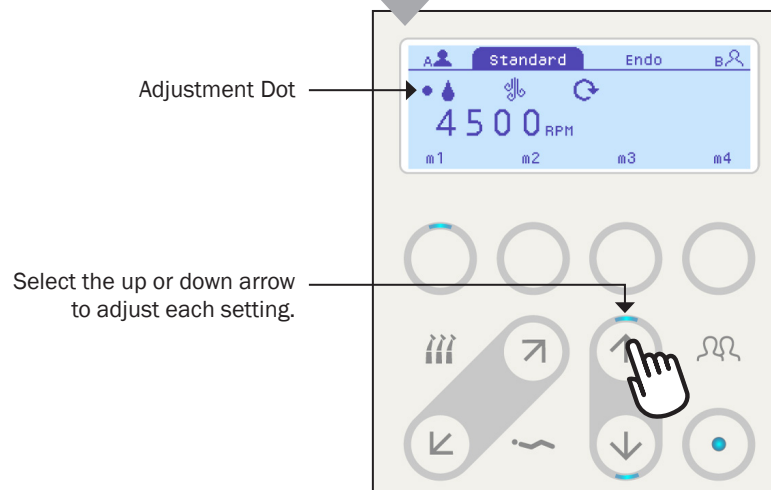
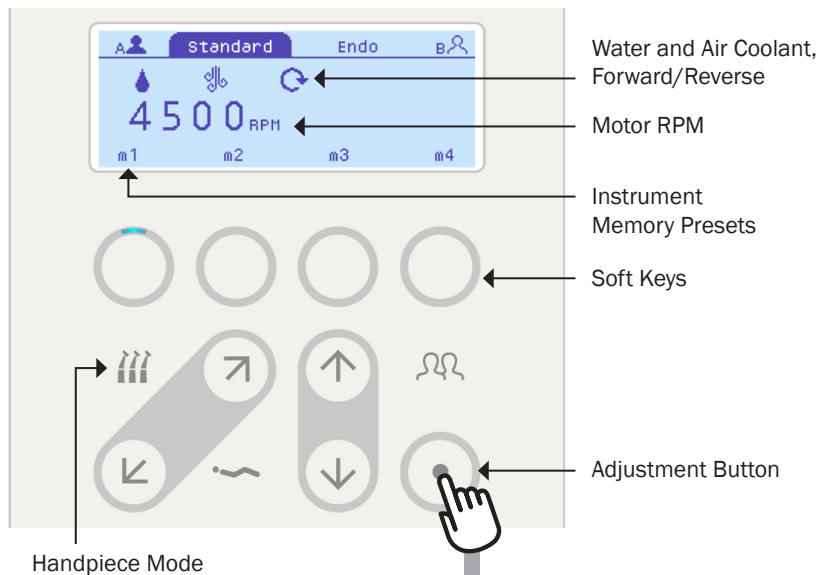


Intraoral Light Source (IOLS)


IOLS settings are also set globally for each handpiece position and cannot be saved to specific memory presets. Some IOLS settings are typically configured at installation, but can be changed at any time. To customize these settings:

1. Select ●●● on the control pad to access the **Options** menu.
2. Select the soft key under ⚙️ to access **Settings**.
3. Select **Equipment**, then select **Delivery**.
4. Select **Holder Config**. The display screen directs you to withdraw the instrument.
5. Select **Adjust Settings**, then select and adjust each IOLS setting:
 - **IOLS Delay** – sets the number of seconds the handpiece light remains on when the handpiece is withdrawn, but not running.
 - **IOLS On** – turns on the handpiece light when the handpiece is withdrawn.
6. After changing the settings, select **Back**, then return the handpiece when prompted on the screen.
7. To exit the **Settings** screen, select any controls menu icon on the control pad (⏪, ⏩, ⏴, ⏵, or ●●●).




CP5i Standard Electric Handpiece Controls



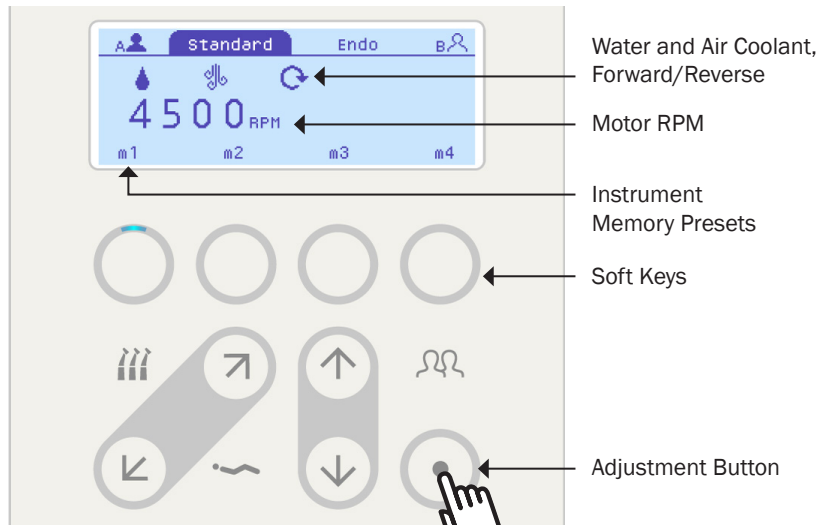
Standard Mode Controls

To see and change electric handpiece standard mode functions, withdraw the handpiece. The display screen shows the previous settings used for that handpiece position. If the dark tab on the screen says **Endo**, select  on the control pad to switch to the **Standard** tab. In standard mode, you can change individual settings directly on the screen or use the memory presets.

To manually change current in-use settings on the screen:

1. Select . A dot appears next to the last adjusted setting.
2. Use  to adjust the setting or select  again to move the dot to the next setting.
3. Repeat step 2 for all the settings you want to adjust.
4. To exit the adjustment mode, return the handpiece or wait about 10 seconds.

CP5i Standard Electric Handpiece Controls *(continued)*



Standard Mode Memory Presets

In **Standard** mode, each user profile includes four memory presets for each handpiece position. The factory presets include the following values:

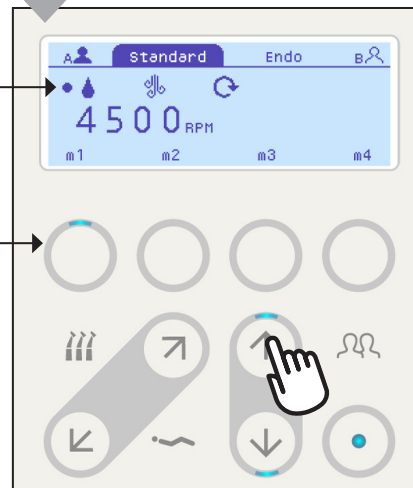
Memory Preset	Maximum Motor Speed	Air Coolant	Water Coolant
m1	2,000 rpm	On	On
m2	10,000 rpm	On	On
m3	20,000 rpm	On	On
m4	40,000 rpm	On	On

To customize the **Standard** mode presets:

1. Select . A dot appears next to the last adjusted setting.
2. Use to adjust the setting or select again to move the dot to the next setting you'd like to adjust.
3. When you're finished making adjustments, select and hold the soft key under your preferred memory preset until you hear three beeps. This confirms that your new preset is saved.
4. To exit the adjustment mode, return the handpiece or wait about 10 seconds.

Adjustment Dot

Soft Key for m1 Preset

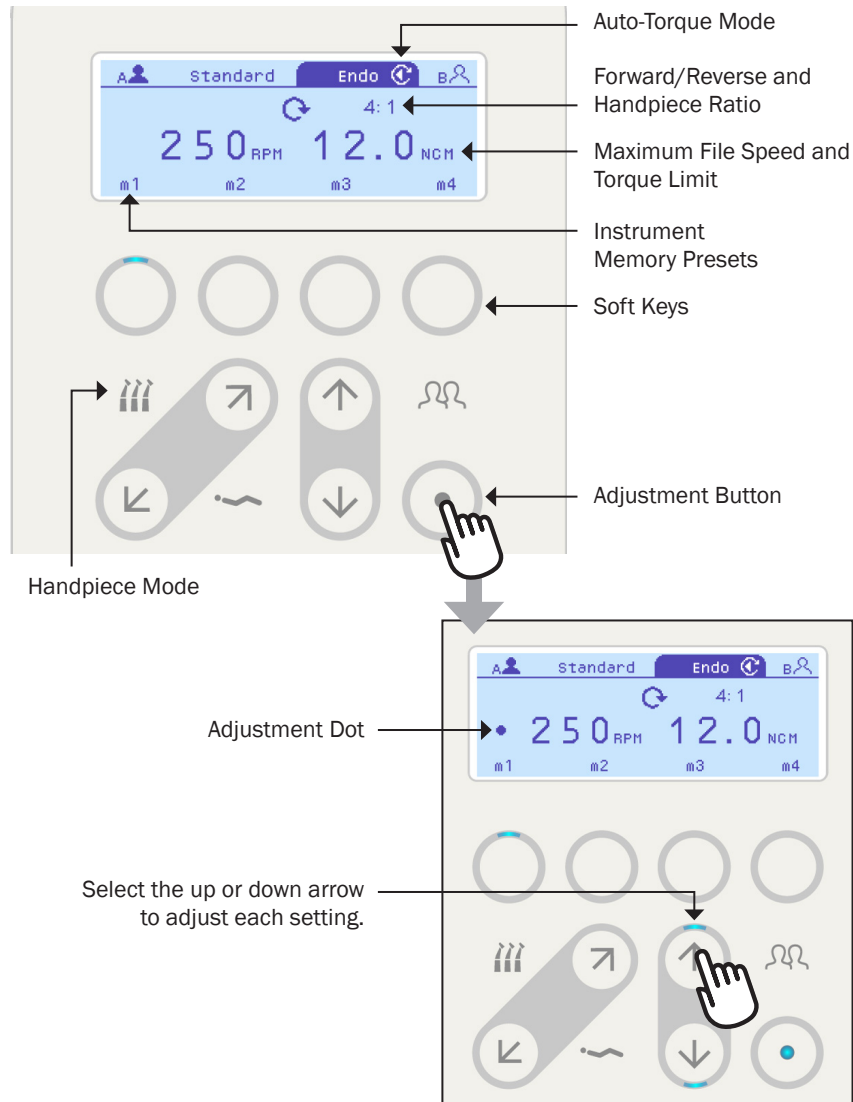


NOTE Forward/reverse, IOLS, and coolant link are applied globally or in-use and cannot be saved under the memory presets.

Coolant Link, Vaporizer, and Intraoral Light Source (IOLS)

For details on customizing the coolant link, vaporizer and IOLS functions, see pages 45 - 46.


CP5i Endodontic Electric Handpiece Controls






Endodontics (Endo) Mode Controls



WARNING Endo file settings must be set according to the file manufacturer. File speed limits, torque limits, supported gear ratios, and supported auto modes should be provided in the endo file Instructions for Use. If these settings are not set properly, patient injury may occur. For more information, consult with your file manufacturer.

To see and change electric handpiece endo functions on the CP5i control pad, withdraw the handpiece. The display screen shows the previous settings used for that handpiece position. If the dark tab on the screen says **Standard**, select  on the control pad to switch to the **Endo** mode settings. In **Endo** mode, you can change settings directly on the screen or use the memory presets.

To manually change current in-use settings on the screen:

1. Select . A dot appears next to the last adjusted setting.
2. Use  to adjust the setting or select  again to move the dot to the next setting you'd like to adjust.
3. To exit the adjustment mode, return the handpiece or wait about 10 seconds.

CP5i Endodontic Electric Handpiece Controls *(continued)*

Auto-Torque Mode

Forward/Reverse and Handpiece Ratio

Maximum File Speed and Torque Limit

Instrument Memory Presets

Soft Keys

Adjustment Button

Adjustment Dot

Soft Key for m1 Preset

NOTE Auto-torque, forward/reverse, IOLS, and coolant link are applied globally or in-use and cannot be saved under the memory presets.

Endo Mode Memory Presets



WARNING Endo file settings must be set according to the file manufacturer. File speed limits, torque limits, supported gear ratios, and supported auto modes should be provided in the endo file Instructions for Use. If these settings are not set properly, patient injury may occur. For more information, consult with your file manufacturer.

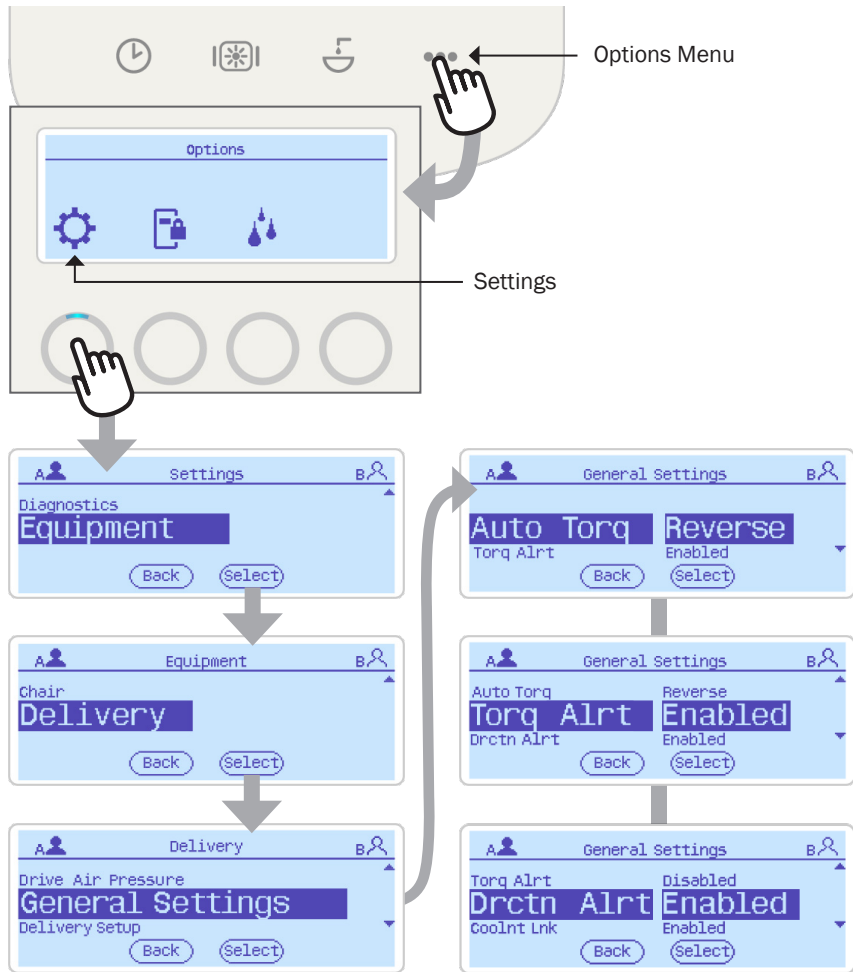
In **Endo** mode, each user profile includes four memory presets for each handpiece position. The factory presets include the following values:

Memory Preset	Handpiece Ratio	Maximum File Speed	File Torque Limit
m1	2:1	300 rpm	1.0 N·cm
m2	6:1	650 rpm	18.0 N·cm
m3	2:1	1,000 rpm	1.0 N·cm
m4	1:1	5,000 rpm	3.0 N·cm

To customize the **Endo** mode presets:

1. Select . A dot appears next to the last adjusted setting.
2. Use to adjust the setting or select again to move the dot to the next setting you'd like to adjust.
3. When you're finished making adjustments, select and hold the soft key under your preferred memory preset until you hear three beeps. This confirms that your new preset is saved.
4. To exit the adjustment mode, return the handpiece or wait about 10 seconds.

CP5i Endodontic Electric Handpiece Controls *(continued)*



General Settings in Endo Mode

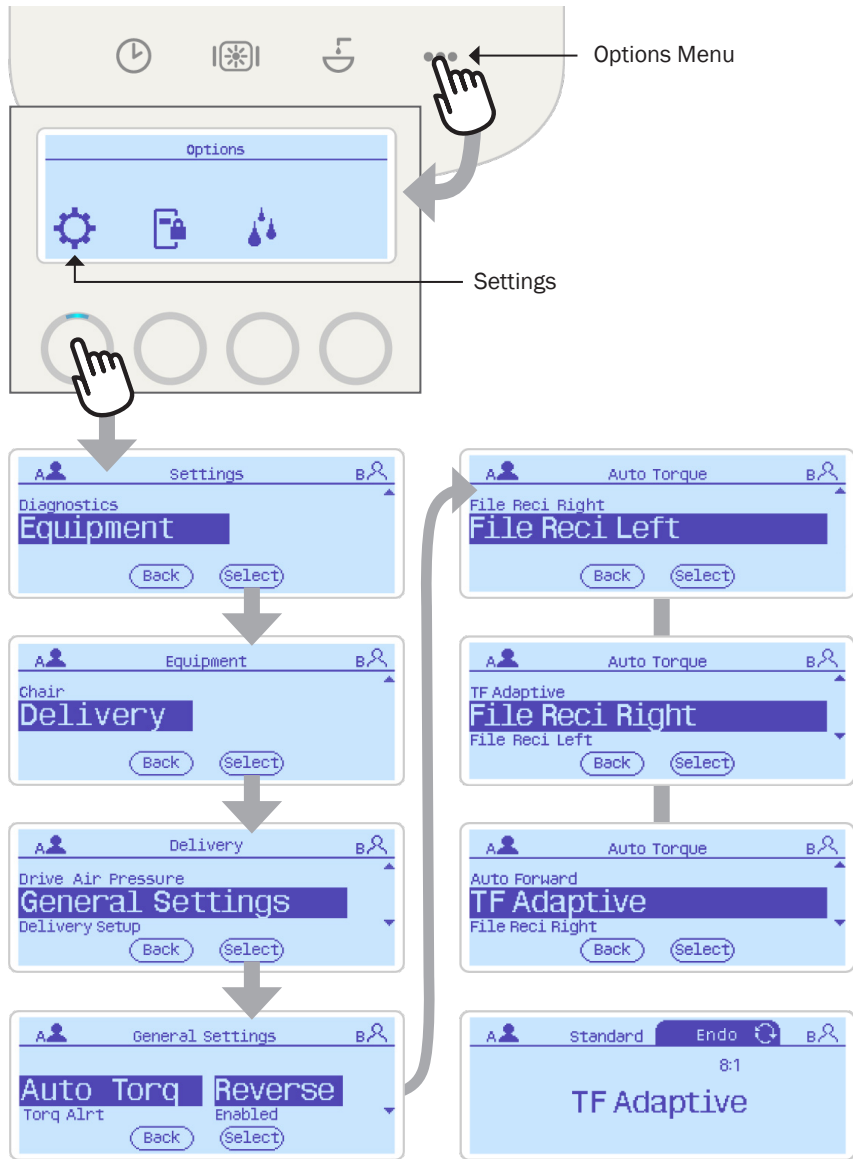
Some general settings specific to the endo mode apply to all endo functions and cannot be saved under memory presets. These include auto torque, torque alert, and motor direction alert.

To customize these settings:

1. Select ●●● on the control pad to access the **Options** menu.
2. Select the soft key under ⚙️ to access **Settings**.
3. Select **Equipment**, then select **Delivery**.
4. Select **General Settings**, then make the appropriate changes to each of your desired settings for endo electric handpieces:
 - **Auto Torq** — provides three rotary endo modes that determine the action of the motor when the torque limit is reached:

<div style="background-color: #4a7ebb; color: white; padding: 5px; display: inline-block;">Endo</div> <div style="display: inline-block; vertical-align: middle; text-align: center;"> </div>	<ul style="list-style-type: none"> • When the file reaches the torque limit, the motor shuts off.
<div style="background-color: #4a7ebb; color: white; padding: 5px; display: inline-block;">Endo</div> <div style="display: inline-block; vertical-align: middle; text-align: center;"> </div>	<ul style="list-style-type: none"> • When the file reaches the torque limit, the motor reverses direction, then stops rotating if the torque limit is exceeded.
<div style="background-color: #4a7ebb; color: white; padding: 5px; display: inline-block;">Endo</div> <div style="display: inline-block; vertical-align: middle; text-align: center;"> </div>	<ul style="list-style-type: none"> • When the file reaches the torque limit, the motor stops, reverses direction, and then changes back to forward again.
 - **Torq Alrt** — enables or disables an audible alert when the motor exceeds 75 percent of the selected torque limit.
 - **Drctn Alrt** — enables or disables an audible alert when the motor automatically changes direction.
5. To exit the **Settings** screen, select any controls menu icon on the control pad (⏪, ⚙️, ⏩, ⏴, or ●●●).

CP5i Endodontic Electric Handpiece Controls *(continued)*



Reciprocating Endo Settings



WARNING Ensure that the file used in reciprocal motion is approved for a torque of 3 N-cm and a maximum speed of 600 rpm (min-1). For the most accurate torque experience, A-dec recommends use of KaVo® handpieces.

Reciprocation choices are set under **General Settings**, apply globally to all handpieces in endo mode, and cannot be saved to memory presets.

To change the current reciprocation setting:

1. Select ●●● on the control pad to access the **Options** menu.
2. Select the soft key under ⚙️ to access **Settings**.
3. Select **Equipment**, then select **Delivery**.
4. Select **General Settings**, then select **Auto Torq** and choose your preferred reciprocating endo settings:



- Set for Kerr® TF™ Adaptive motion files that rotate clockwise/right.
- TF Adaptive is always set to a ratio of 8:1.



- Set for clockwise/right rotating reciprocating files.
- A ratio of 8:1 is recommended. Ratios of 3:1 and 1:1 are also available.

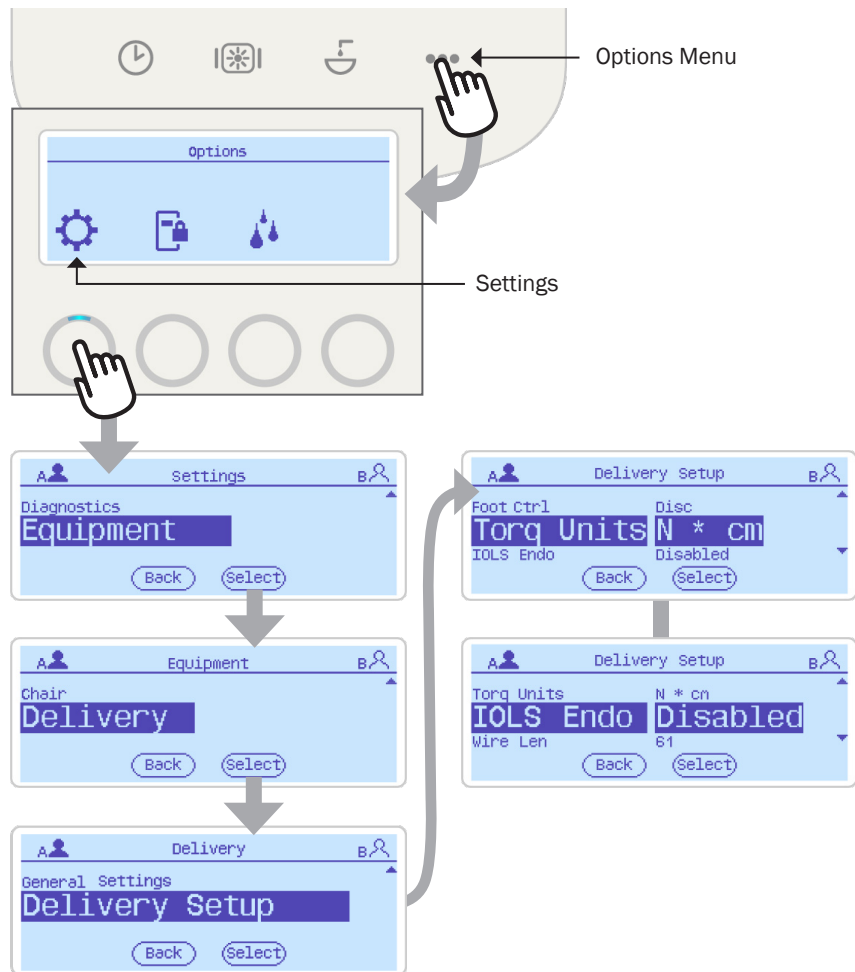


- Set for counterclockwise/left rotating reciprocating files.
- The ratio of 8:1 is recommended. Ratios of 3:1 and 1:1 are also available.

5. To exit the **Settings** screen, select any controls menu icon on the control pad (⏪, ⏩, ⏴, ⏵, or ●●●).

← Reciprocation Screen Example

CP5i Endodontic Electric Handpiece Controls *(continued)*

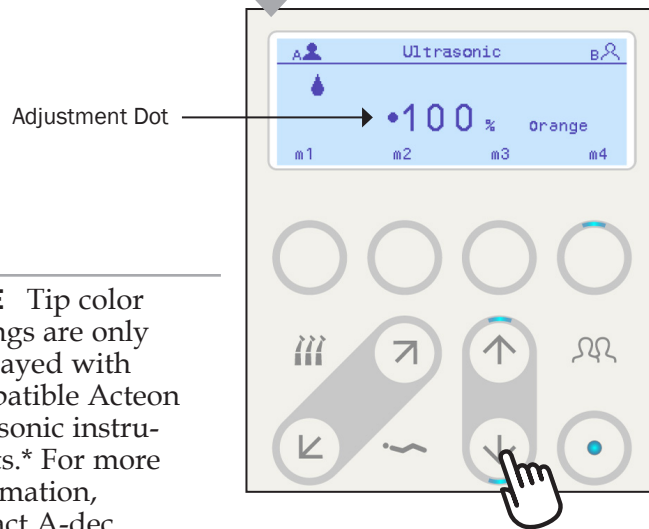
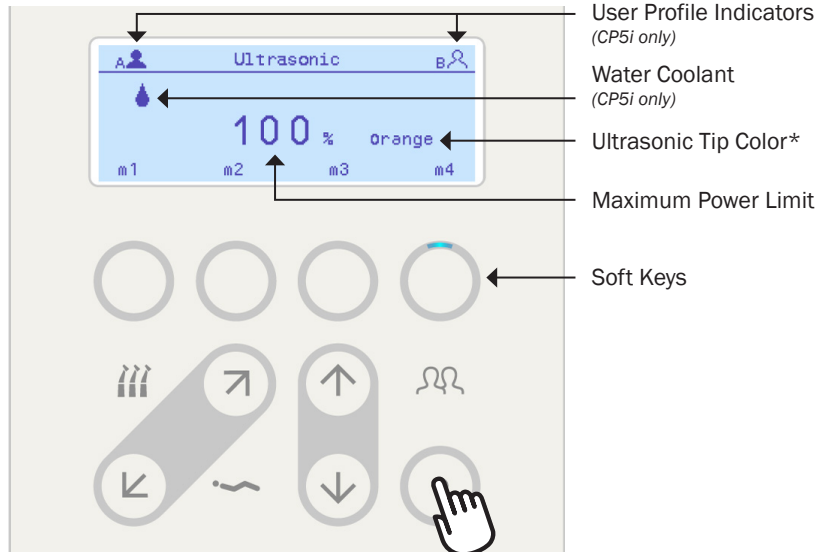


Additional Endo Mode Settings

These endo settings are normally configured at installation, but can be changed at any time. To customize the settings:

1. Select ●●● on the control pad to access the **Options** menu.
2. Select the soft key under ⚙️ to access **Settings**.
3. Select **Equipment**, then select **Delivery**.
4. Select **Delivery Setup**, then make the appropriate changes to each of your desired settings for endo electric handpieces:
 - **Torque Units** — choose **N * cm** (newton centimeters) or **g * cm** (gram centimeters).
 - **IOLS Endo** — choose IOLS to be **Disabled** or **Enabled**.
5. To exit the **Settings** screen, select any controls menu icon on the control pad (⏪, ⏩, ⏴, ⏵, or ●●●).

CP5i/CP5 Ultrasonic Instrument Controls



NOTE Tip color settings are only displayed with compatible Acteon ultrasonic instruments.* For more information, contact A-dec Customer Service.



NOTE The A-dec foot control provides variable scaler output up to the maximum power limit on the display. Most tabletop devices operate differently and use on/off switching.

Ultrasonic Settings and Memory Presets

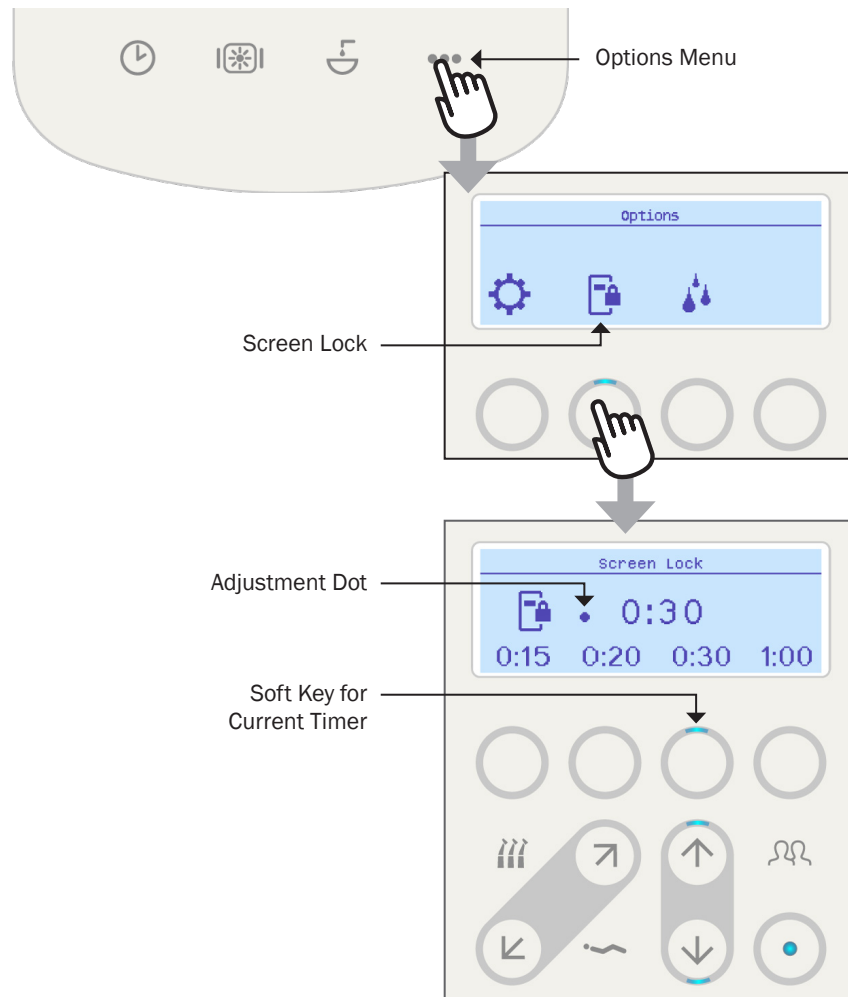
To activate the handpiece, withdraw it from the holder. The previous settings used for that instrument appear on the display screen. You can change settings directly on the screen or use the memory presets. Each user profile is factory set with four memory presets for ultrasonic controls, which include the following values:

Memory Preset	Max. Power Limit/ Tip Color*	Water Coolant (CP5i only)
m1	25% / Green	On
m2	50% / Yellow	On
m3	75% / Blue	On
m4	100% / Orange	On

To customize the presets:


1. Select . A dot appears next to the last adjusted setting.
2. Use to adjust the setting or select again to move the dot to the next setting you'd like to adjust.
3. When you're finished making adjustments, select and hold the soft key under your preferred memory preset until you hear three beeps. This confirms that your new preset is saved.
4. To exit the adjustment mode, return the handpiece or wait about 10 seconds.

CP5i/CP5 Screen Lock






The screen lock allows you to barrier protect and clean/disinfect the entire control pad surface without unintentionally activating any commands. While the screen lock is on, all button input and instrument withdrawals are ignored.

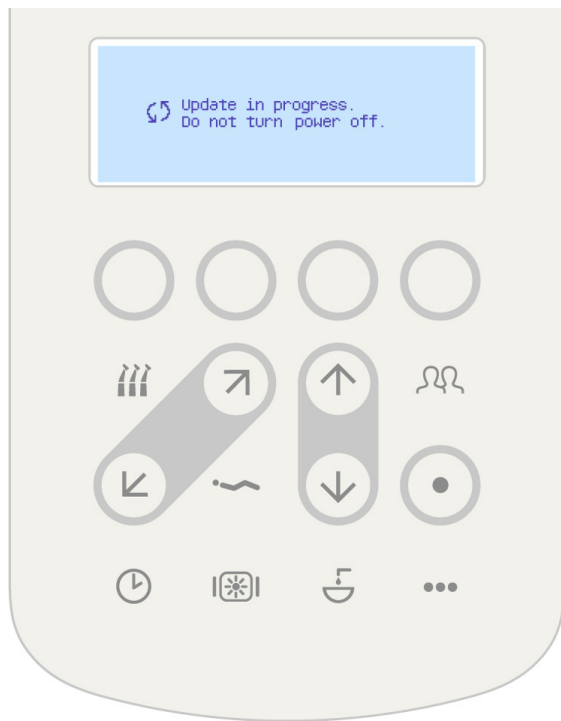
To activate the screen lock:

1. Select ●●● to access the **Options** menu, then select the soft key under  to access the screen lock timers.
2. Choose a timer to initiate the lockout. Two beeps indicate that the lockout has ended.

To adjust the screen lock timers:

1. Select . A dot appears next to the current timer.
2. Use  to adjust the time.
3. Select and hold the soft key under your preferred timer until you hear three beeps. This confirms that your new timer is saved.
4. Select  again to exit the adjustment mode.

CP5i/CP5 Software Updates



A-dec provides software updates for products that have been registered to an A-dec+ user account. If your A-dec products have not been registered, contact A-dec customer support for assistance.

For registered products, A-dec will notify you concerning software updates via email (if you opted in for notification), and an icon will appear on your device indicating that an update is available. A-dec+ mobile and web apps will also show which equipment needs to be updated.

Some software updates may be classified as critical (e.g., concerning safety, security, etc.). For critical software updates, you may receive more notifications and have fewer options for your response to those notifications, as compared to non-critical software updates.

The A-dec+ web and mobile apps will provide the estimated time needed for the software update. Once the update is initiated, the equipment cannot be used until the update is complete and the system restarts. You'll receive notification once the update is complete. If you receive error notifications, contact A-dec Customer Service.

Additional CP5i Setup and Settings Assistance

Some settings are intended only for installation of new equipment and accessories to your A-dec system. If you have any questions about these and other specialized settings, please contact A-dec Customer Service.

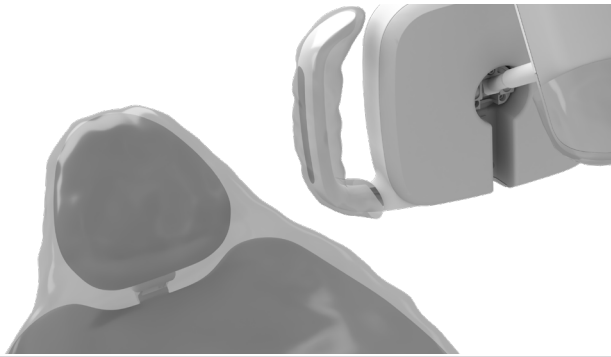
CP5i/CP5 User Notifications



The control pad may display messages for functional errors and other user notifications. If one appears, take note of the message, as well as the function you were performing, in case service is required. You may need to select a soft key to close the message. If the recommended action does not correct the situation, contact A-dec Customer Service.

Clean / Maintain

Protect with Barriers



NOTE For proper use and disposal of barriers, see the barrier manufacturer's Instructions for Use.

A-dec recommends barrier protection for all applicable touch and transfer surfaces. Touch surfaces are areas that come into contact with hands and become potential cross-contamination points during dental procedures. Transfer surfaces are areas that come into contact with instruments and other inanimate objects.

In the USA, barriers must be produced under the Current Good Manufacturing Practice (CGMP) as specified by the U.S. Food and Drug Administration (USFDA). For regions outside the USA, refer to the medical device regulations specific to your location.



IMPORTANT For recommendations on cleaning and chemical disinfection of touch and transfer surfaces (where barrier protection is not applicable or when barriers are compromised), please see the *A-dec Equipment Asepsis Guide* (p/n 85.0696.00).



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86.0857.00 Rev C
Date of Issue 2026-01-12
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