

Integration Control Module® (ICM) Software Version v1.2.x

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Language of origin: English

Note
The ICM consists of control pad buttons and a screen area. The screens available depend on the software version, named in the convention: **v1.0.x**, **v1.1.x**, etc., where **x** can be any number. The **x** indicates a minor version update that does not require a change to this document.

Buttons

Most buttons are used to invoke a number of actions, depending on the screen displayed. The basic functions of each button are shown here.

(Up and Down Arrows)
Use to: 1) Move thru options displayed on screens.
2) Change active user and preset names.

(Check Button)
Use to: 1) Enter and Exit Modes
2) Select highlighted options.

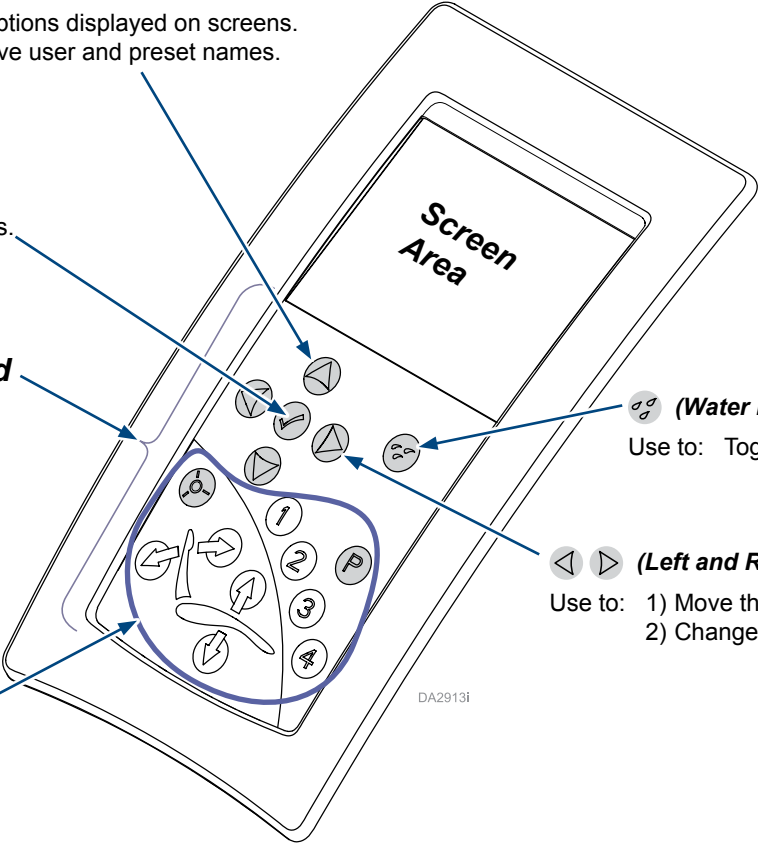
Control Pad

(Water Button Override)
Use to: Toggle water on / off.

(Left and Right Arrows)
Use to: 1) Move through options displayed on screens.
2) Change control settings.

Note
Chair must be powered to use the chair controls. Refer to Elevance Chair user guide for more information.

Chair Controls



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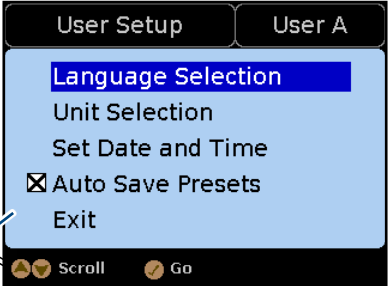
Screen Types

Variations of the home screen appear as the Elevance delivery system is powered on and completes an initialization process. As users interact with the control pad buttons, the footpedal or pull (remove from the holder) smart handpieces, a screen relevant to that user action appears.

Screen types include home, control (for smart handpieces), user setup, flush operations menu, and error.



Home

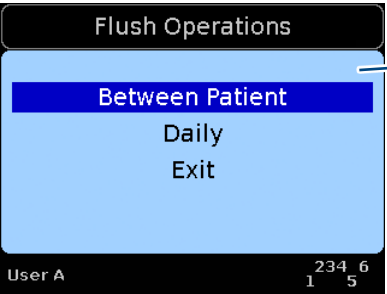


User Setup

Access by pressing **P** +

Language (English, German, French, Spanish, Italian)
Units (PSI, kPa, BAR)
Set Date and Time (Year, Month, Day, Hour, Minute and Mode of Display)

Auto Save Presets
 = OFF
 = ON (default)

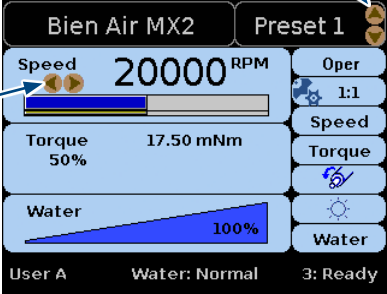
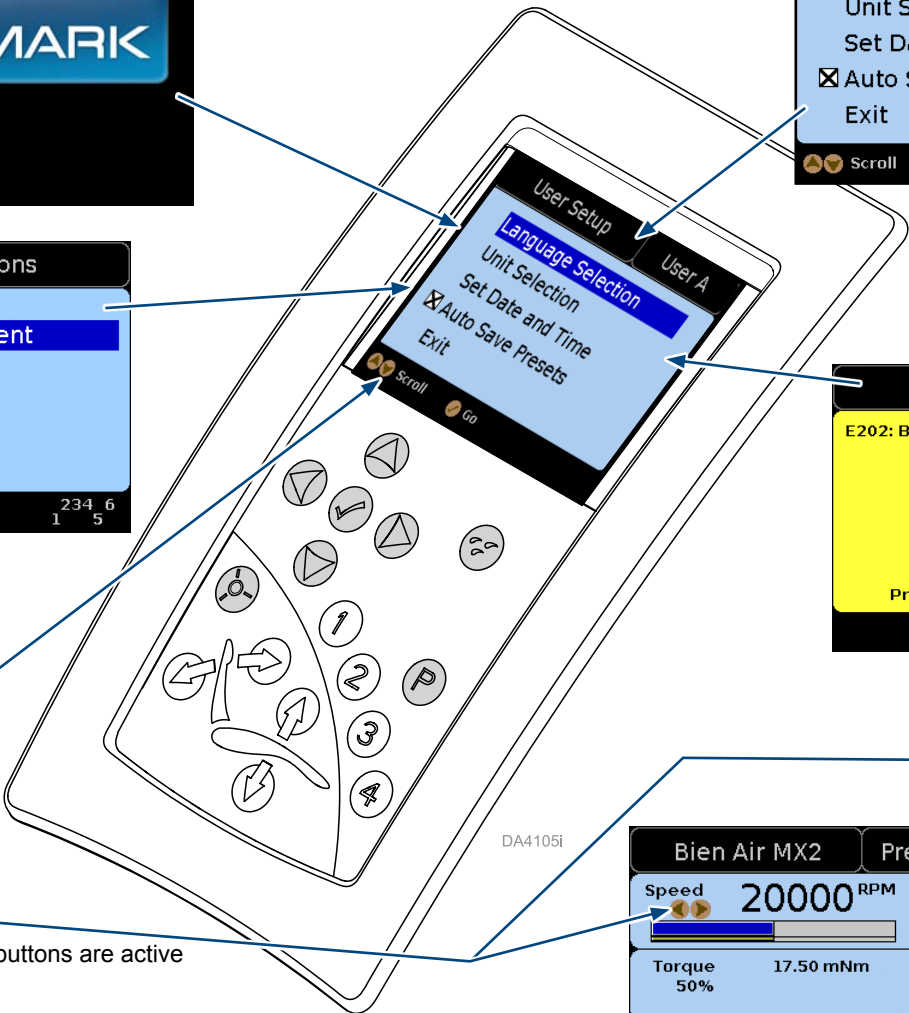


Flush Operations

Access by pulling two or more smart handpieces.



Error



Control

Access by pulling a smart handpiece.

Helpers

Look for the helpers telling you which buttons are active and what pressing them will do.
 Buttons can be used differently from screen to screen so always look at the helpers on the active screen.

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Note:
Screen appearances may vary. Exact screens cannot be shown.



Home

The Home screen displays when the master switch is turned ON. The bottom half of the screen changes as the software initializes...



Components with status icons appear in the bottom half of the screen, as the software communicates with each one.



Press to display active user. Handpiece control settings and flush timers are saved uniquely to each user. Continue to press to scroll thru /make active another user.



Press to display the control software version.



Press to display the serial number of the delivery unit.

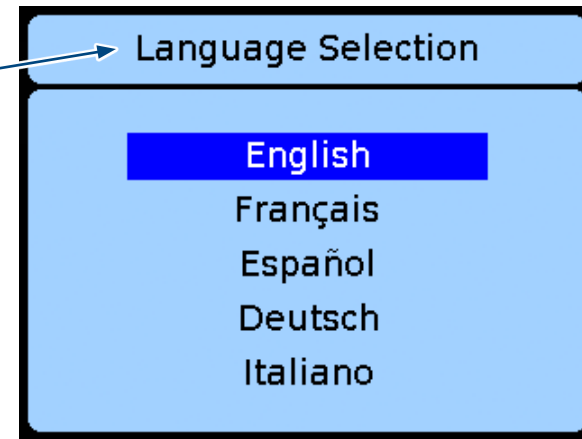
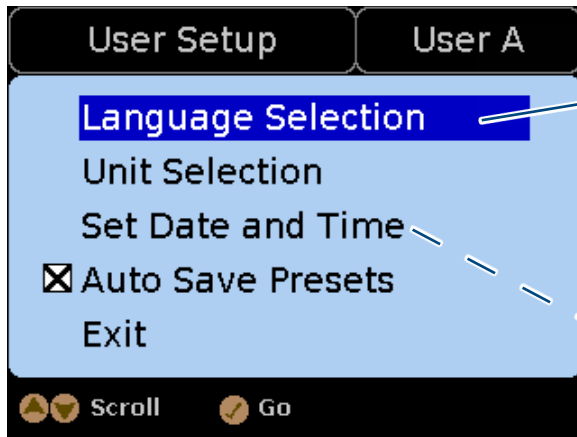
After a period of inactivity, the screen automatically will go into sleep mode, which appears as a totally black screen (not shown).

Chair	Configuration <i>(User Preferences and Preset Data)</i>
Assistant's Unit	Clock
Electric Motor	Interface Board v1.0.4 Software Version Number for the Interface Board
Extended I/O	USB
Component Icons	

Component ready.	Component NOT communicating.
Component communicating but it has a problem.	Optional component is not connected.
Status Icons	

User Setup Menu

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Highlight the language you want to make active.

Press to Exit back to User Setup Menu.

Press + to access the User Setup Menu. (*Each* user can have a different Setup.)

Look at the helpers, to see which buttons are active for each screen.

Press to highlight a listed setup.

Press to access the options for the highlighted setup.

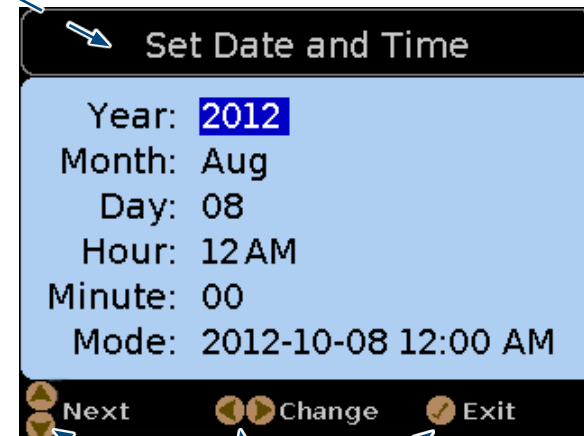
Highlight and set the active option(s) using the buttons indicated by the helpers on each screen.

You can turn the Auto Save Presets ON (= ON (default)) or OFF (= OFF).

When Auto Save Presets is ON, every control setting you modify is automatically saved to that User/Preset.

When Auto Save Presets is OFF, you can change settings repeatedly without saving them to that User/Preset #, or you can respond to the Save? prompt to save the new setting.

OR highlight Exit and press to return home.



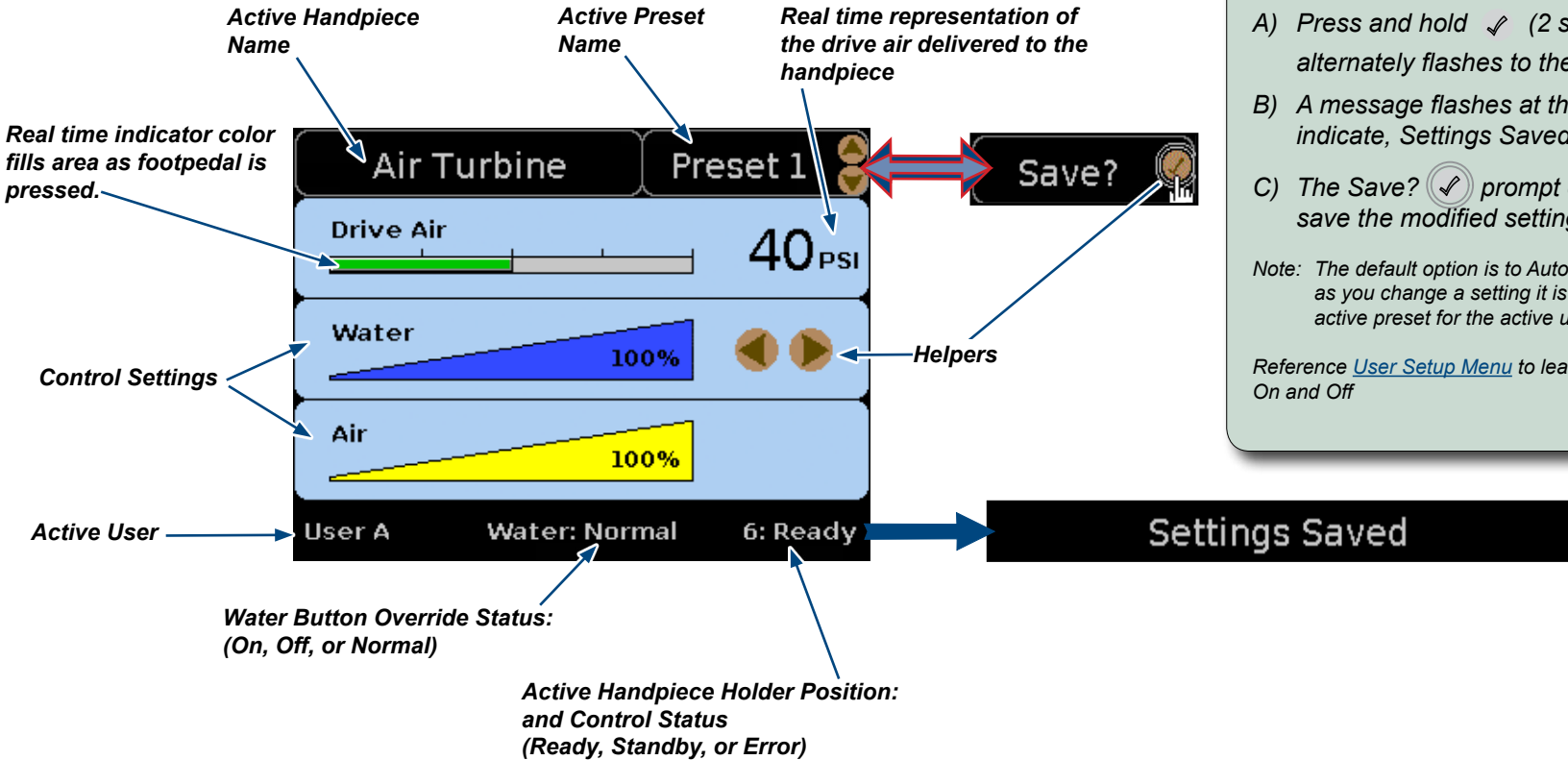
Helpers

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Interacting with Control Screens

A control screen appears when a **smart** handpiece is pulled from the holder. See table. Each handpiece has unique control settings and screens.

“Smart” Handpieces (ones with control screens)	Handpieces <i>without</i> control screens
Electric Motor (Bien Air)	Most Cameras
Air Turbine	Curing Light
Scaler	Syringe



How to save modified control settings when Auto Save Presets are turned off...

- Press and hold ✓ (2 sec.) as the Preset # alternately flashes to the Save? ✓ prompt.
- A message flashes at the bottom of the screen to indicate, Settings Saved, then returns to normal.
- The Save? ✓ prompt continues to flash until you save the modified settings.

Note: The default option is to Auto Save Presets, meaning as soon as you change a setting it is automatically saved as the active preset for the active user.

Reference [User Setup Menu](#) to learn how to turn Auto Save Presets On and Off

A control screen initially appears in Normal Mode (shown) where ▲ ▼ can be used to change the preset and ◀ ▶ can be used to change the active control setting (water in screen shown).

Helpers appear beside the active control settings. **Helpers** indicate which control pad buttons are active for the setting.

Pressing ✓ puts the control screen into Edit Mode (not shown). When in Edit mode use ▲ ▼ to move from control setting to control setting.



Equipment Alert

The color and the ratio on the control screen contra angle setting should always match the ratio and color etched on the contra angle being used.



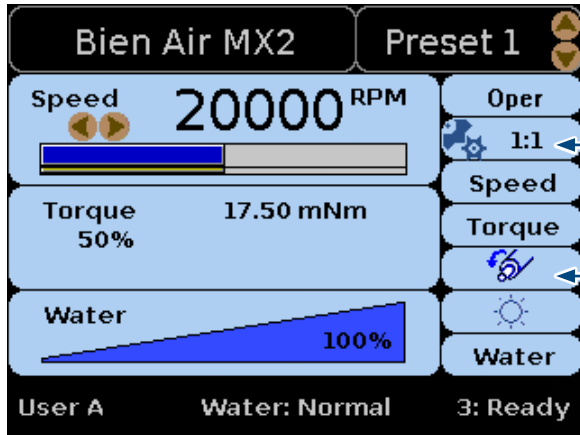
Increasing



Direct

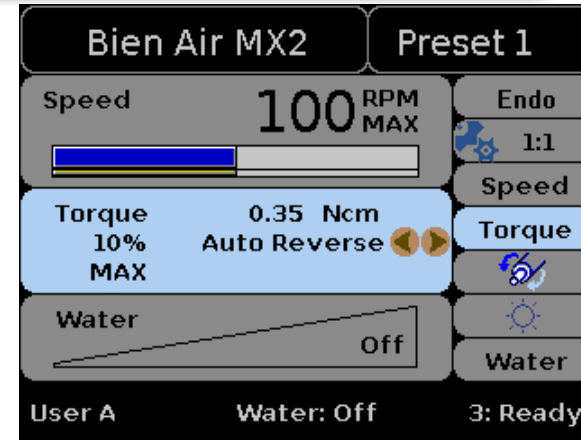


Reducing



Normal Mode Screen

Press to change mode.



Edit Mode Screen

Note:

The motor direction icon displays a blue arrow to run in the forward direction and a red arrow to run the motor in reverse.

The normal mode control screen displays when a handpiece is pulled.

Use to change Presets. The preset name displayed is active.

Helpers indicate the active controls (Preset and Speed control setting in example shown).

Use to change the speed control setting.

In Edit mode, the helpers appear beside the *new* active setting and it becomes highlighted (Auto Reverse setting in example shown).

In Edit mode, are used to *move thru* the available control settings, listed in the in the right column.

Use to change the active control setting.

Reference the previous pages for information on the [Auto Save Presets](#).

The Bien Air MX2 handpiece includes an endodontic mode of handpiece operation.

Use to toggle between Endodontic/Operative operating modes when it is the active control setting on the Edit Screen. (Endo mode is active in the Edit Mode Screen shown.).






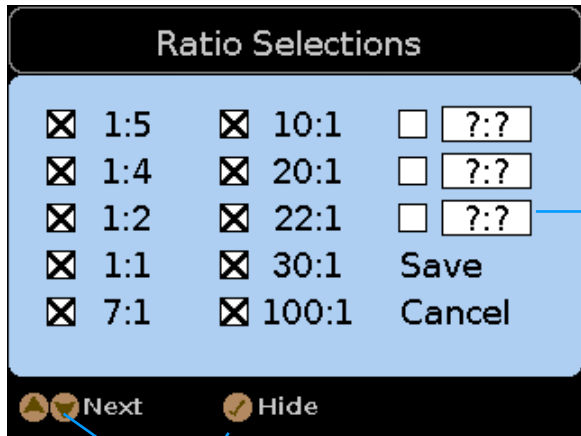
Equipment Alert

For Endodontic Operations using Bien Air MX2 handpiece:
Ensure the bypass toggles are in the NORMAL position

Ratio Selections Screen

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The Ratio Selections screen displays when in the Edit mode  is active and  +  are pressed.




Helpers

Custom ratio



View and choose which ratios to display in edit mode



Press   to scroll thru ratios on the screen.


Press  to Hide/Show (remove or add a ratio to the display list).



Ratios with an X are the ones that will be available from the Contra Angle Ratio options you can scroll thru in edit mode.

How to Add a Custom Ratio




Scroll   to one of the custom ratio boxes.

Press   to change values in the field.

Press  to Show a custom ratio (X appears and field becomes active).

Press   to choose the Save or Cancel option.

Press  to invoke the chosen option and return to Edit mode screen.

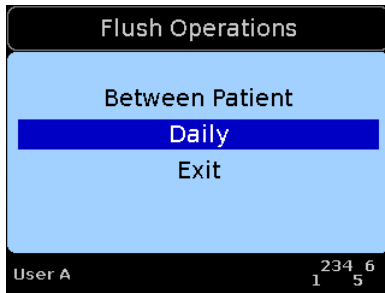
When you return to the Edit Mode screen, the active ratio will still be the one displayed when you left the edit screen. ( in the example shown). Use   to change to the custom ratio.

Flush Operation - Syringe

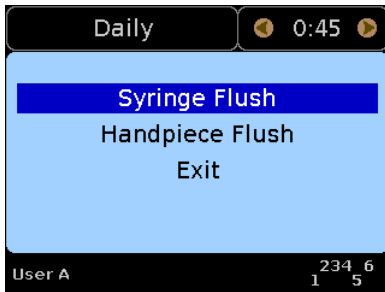
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Note:

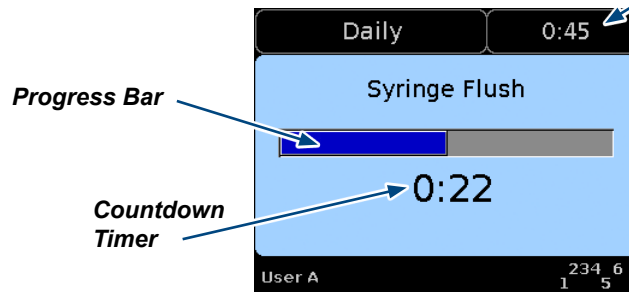
Pulling multiple smart handpieces is the ONLY way to access the Flush Operations Menu.



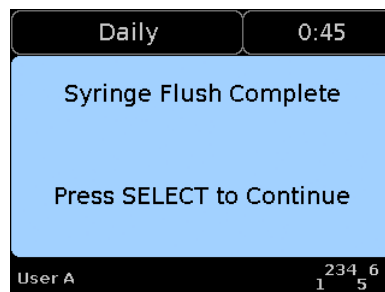
Flush Operations Menu



Flush Selection



Flush Process



Flush Complete

Step 1 - Flush Operations Menu

- A) Pull two or more smart handpieces at the same time and the Flush Operations Menu appears.
- B) Use \triangle ∇ to move highlight to desired option.
- C) Press \checkmark to select the highlighted flush operation.

Step 2 - Flush Selection Screen appears....

- A) Use \triangle ∇ to move highlight to the SYRINGE FLUSH option.
- B) Use \triangleleft \triangleright to change the flush time, if desired.
- C) Place the syringe(s) over a drain or container.
- D) Press \checkmark to select to start the Syringe Flush operation.

NOTE: The Syringe Flush Process screen serves as a timer for this manual syringe flush process.

Step 3 - Flush Process Screen appears....

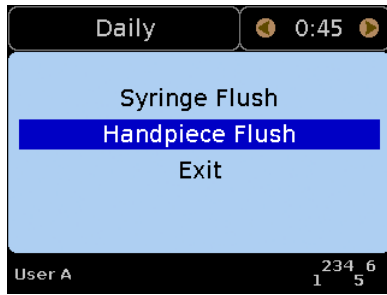
- A) Press and hold the water button on the syringe(s) for the entire flush time as it displays on the screen.

Step 4 - Flush Complete Screen appears...

- A) Syringe Flush Complete appears when the flush process is finished.
- B) Return syringe(s) to the holder.
- C) Press \checkmark (SELECT) to return to the Flush Selection screen.

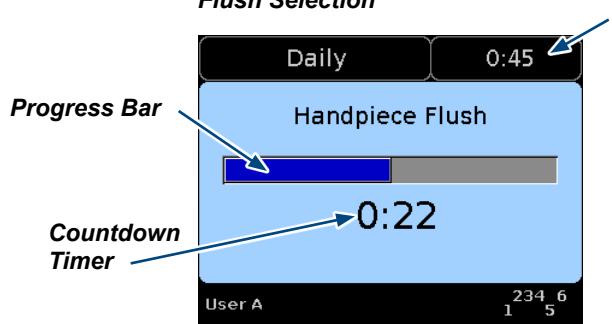
Flush Operations Continue...

Flush Operation - Handpiece



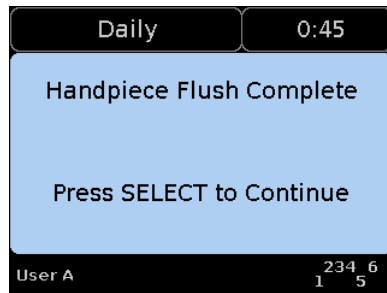
Flush Selection

Step 5 - Flush Selection Screen appears....
A) Use \triangle ∇ to move highlight to HANDPIECE FLUSH option.
B) Use \triangleleft \triangleright to change the flush time, if desired.
C) Pull the desired handpieces, place them over a drain or container and press \checkmark to start the flush process.



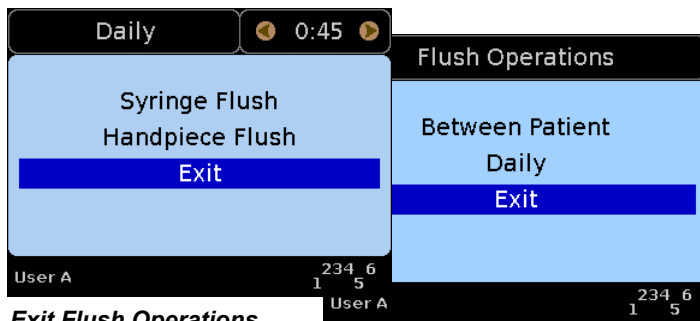
Flush Process

Step 6 - Flush Process Screen appears...
The Flush Process screen appears, displaying an animated progress bar and countdown timer as the automated handpiece flush process occurs.



Flush Complete

Step 7 - Flush Complete Screen appears...
A) Flush Complete message appears when the process is finished.
B) Return all handpieces to correct holders.
C) Press \checkmark (SELECT) to return to the Flush Selection screen.



Exit Flush Operations

Step 8 - Exit Flush Operations
A) Use \triangle ∇ to move highlight to EXIT option.
B) Press \checkmark (SELECT) to return to the Flush Operations Menu.
C) Use \triangle ∇ to move highlight to EXIT option.
D) Press \checkmark (SELECT) to return to the HOME screen.