

Integration Control Module® (ICM) Software Version v1.1.x

Contents:

- Buttons 1
- Screen Types..... 2
- Home / User Selection.... 3
- User Preferences..... 3
- Using Controls Screens... 4
- Editing Control Screens... 5
- Flush - Syringe 6
- Flush - Handpiece 7

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

Some buttons can invoke more than one action, dependant on the screen displayed. The basic functions of each button are shown here.

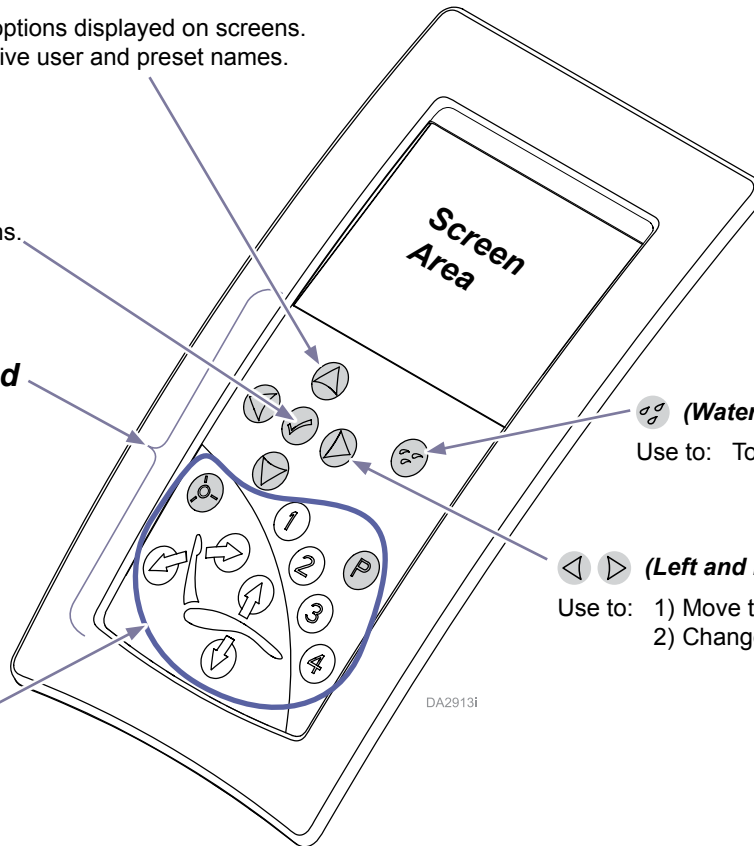
(Up and Down Arrows)

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

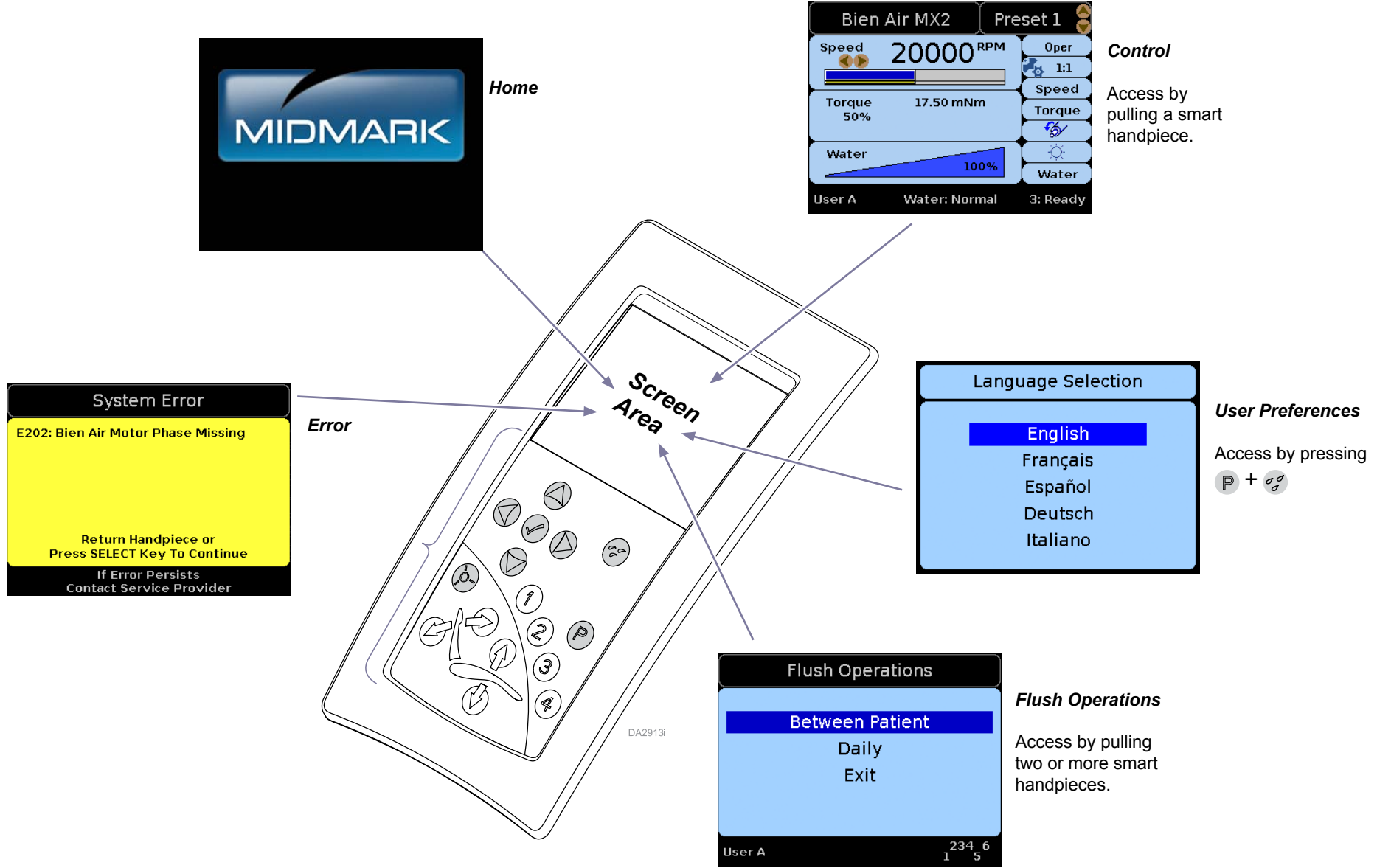
DA2913i

**Software Version
v1.1.x**

Screen Types

Variations of the home screen appear on the ICM screen when the Elevance delivery system is powered on and completes a initialization process. As users interact with 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, user preferences, flush operations menu, and error.



TP201 Rev. A

Home Screen

Note:

Screen appearances vary. Exact screens cannot be shown.



Home

The Home screen displays when the master switch is turned ON. Components with status icons on them appear as the software initializes and communicates with each one.

Chair	Configuration (User Preferences & Preset Data)
Assistant's Unit	Clock
Electric Motor	Interface Board
Extended I/O	USB
<u>Component Icons</u>	

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

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

User Selection

Software Version
v1.1.x



User Selection



Software Version

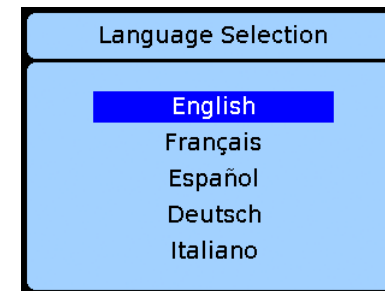
The first press of displays current user on the home screen.

Continue to press to scroll thru available users.

The user shown on the display is the active user. Handpiece control settings and flush timers are saved uniquely to each user.

Press to display the version number of the control software.

User Preferences Screens



User Preferences

Press + to display the User Preferences screen.

Press to scroll thru additional (not shown) user preference screens.

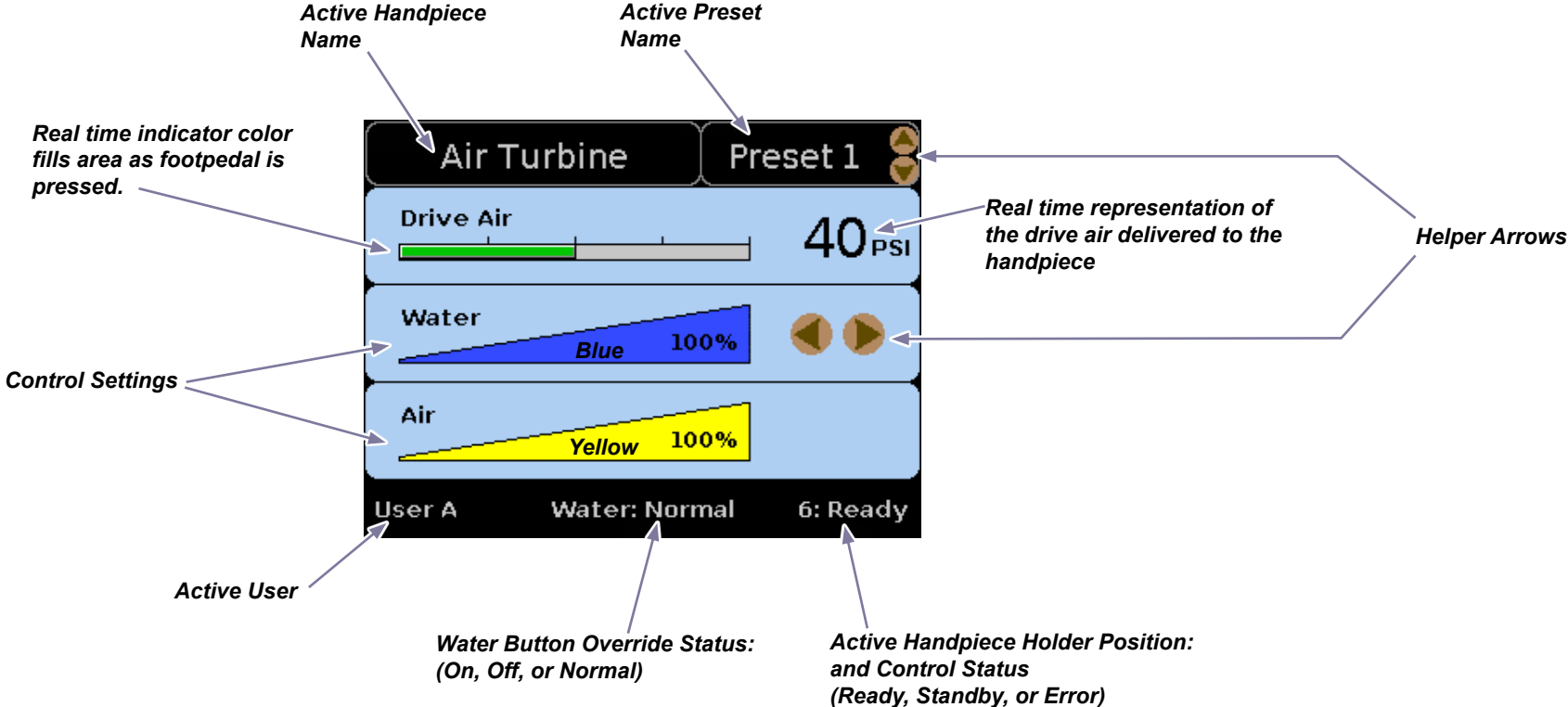
Press to highlight a listed option.

Press to make the highlighted option active.

Continue to press to advance thru remaining user preference screens and return home.

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 without control screens
Electric Motor (Bien Air)	Most Cameras
Air Turbine	Curing Light
Scaler	Syringe

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).

Helper arrows appear beside the active controls. **Helper Arrows** show which control pad buttons to press to change the active control they appear beside.

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

Any time a change is made to a control setting on a screen, it is automatically saved to the active preset for this user.



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.



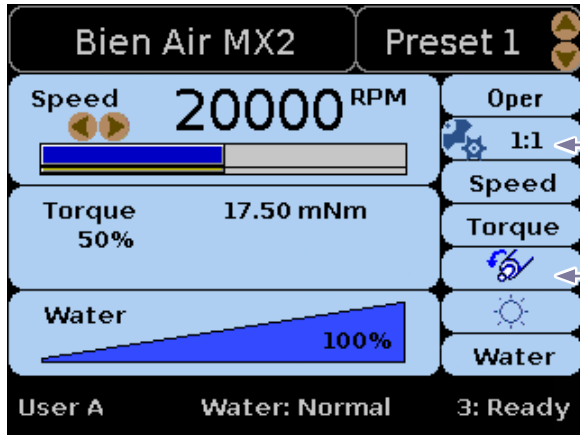
Increasing



Direct

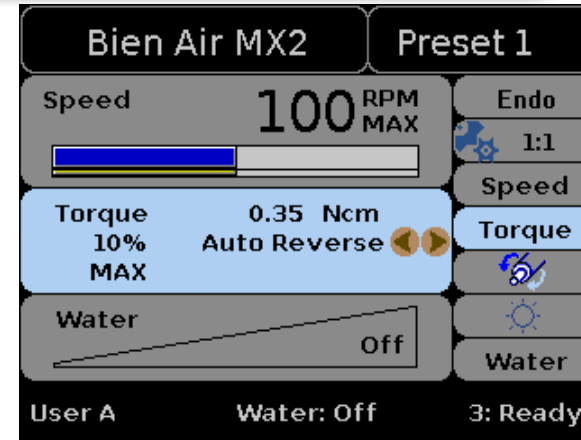


Reducing



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.

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

Use to change the speed control setting.

In Edit mode, the helper arrows 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.

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.).

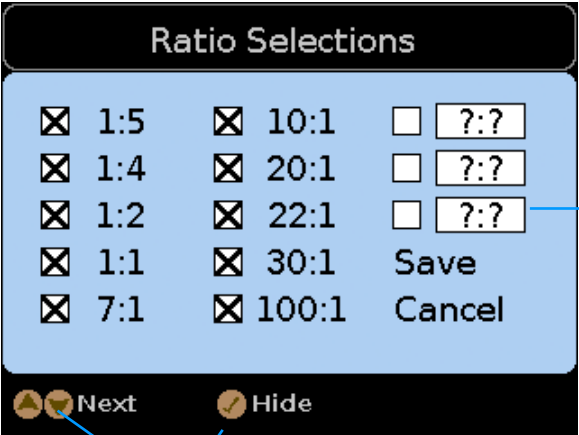


Equipment Alert

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

Ratio Selections Screen









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






Helper Arrows




Custom ratio

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.

View and choose which ratios to display in edit mode

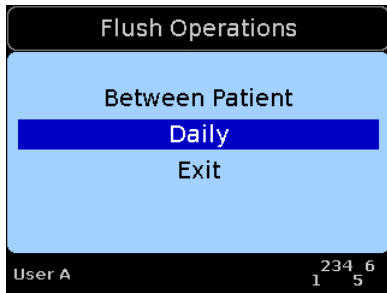
- Press   to scroll thru ratios on the screen.
- Press  to Hide/Show (remove or add a ratio to the display list).

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

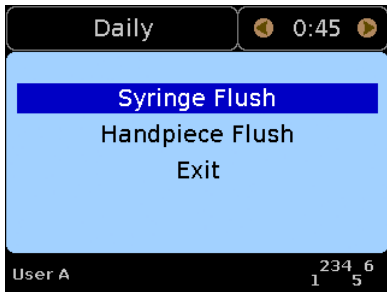
Flush Operation - Syringe

Software Version
v1.1.x

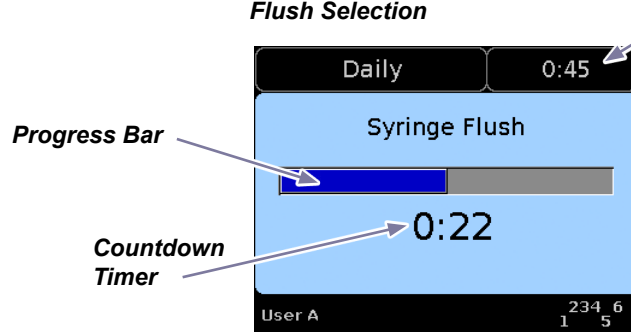
Note:
Pulling multiple smart handpieces is the ONLY way to access the Flush Operations Menu.



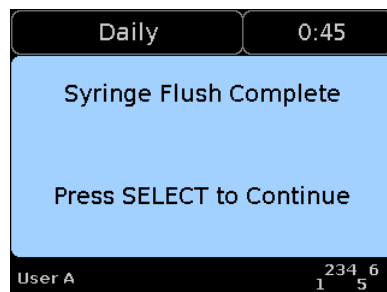
Flush Operations Menu



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....

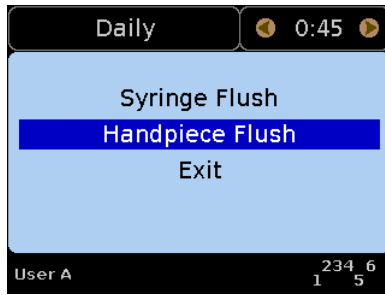
- A) Press and hold the water button on the syringe(s) for the entire flush time as it displays on the screen.

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.

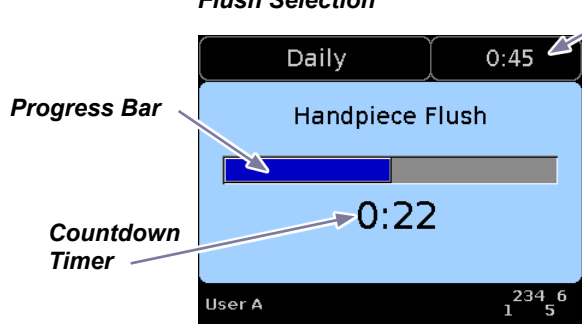
Flush Operations Continue....

Flush Operation - Handpiece



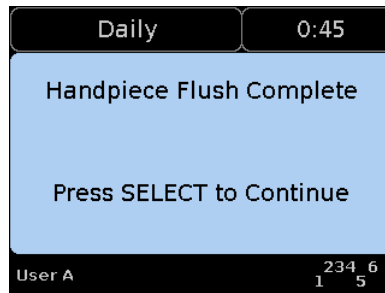
Flush Selection

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.



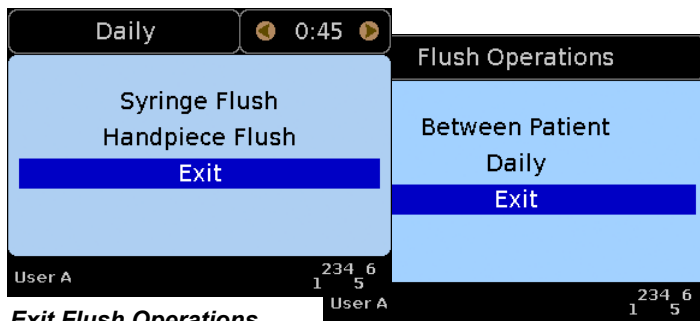
Flush Process

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.