



Specifying HomeWorks QS Specification Keypads in the Programming Software

1.0 Overview

HomeWorks QS (HWQS) Specification Keypads are a collection of keypads that provide an alternative style to standard HWQS keypads. There are three styles; Large Button seeTouch keypads, Round Button Signature Series keypads and HWQS RF Stanza keypads. These three styles are not currently included in the programming software. To design and program them in a HWQS project, an alternate keypad in the software is used as a placeholder to simulate the actual Specification Keypad(s). Mapping of the buttons to simulate the buttons on the Specification Keypad to the alternate keypad is required to achieve the appropriate input and response from the Specification Keypad. This document will provide the process for selecting the appropriate alternate as well as the subsequent button and status LED on that keypad. Refer to the Appendix for a comprehensive list of all keypad model numbers and available colors.



Large Button seeTouch keypad



Round Button Signature Series keypad



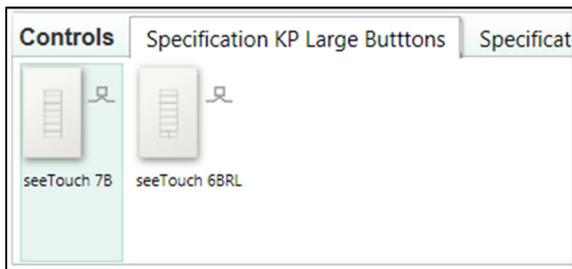
HWQS RF Stanza keypad

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2.0 Large Button seeTouch Keypads

2.1 Toolbox and Adding Controls

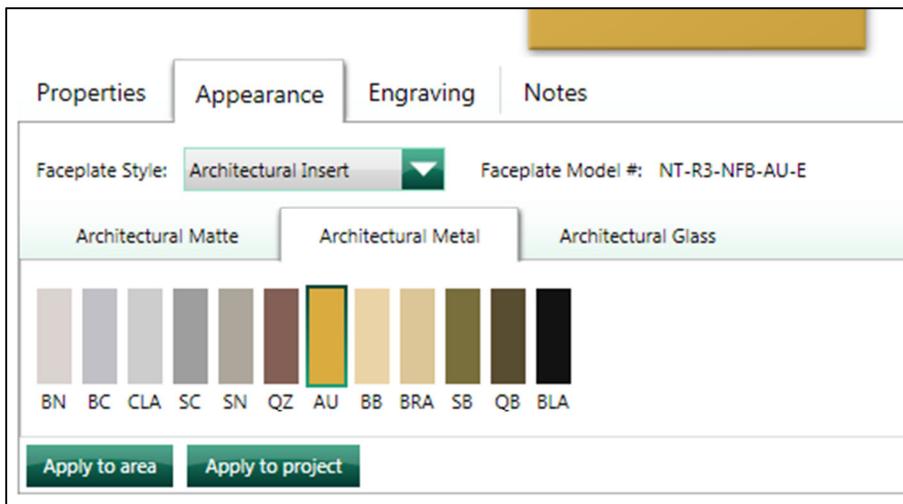
A Toolbox should be created that includes the necessary standard Wired seeTouch model numbers which will accommodate all configurations of Large Button seeTouch keypads. Add a Wired seeTouch 7B and a 6BRL keypad to this Toolbox. Proceed to add 7B or 6BRL keypad(s) to the desired room(s) in the Area Tree where a Large Button seeTouch keypad will be located. Refer to the mapping diagrams on pages 5 through 9 to help determine the appropriate placeholder keypad (7B or 6BRL) for the actual Large Button keypad being specified.



2.2 Appearance

It is recommended to assign the 7B and 6BRL placeholder keypads in the Gold architectural metal finish. This will provide a unique look and help these mapped keypads stand out in the project, serving as a reminder that this keypad is simulating the actual Large Button keypad being installed.

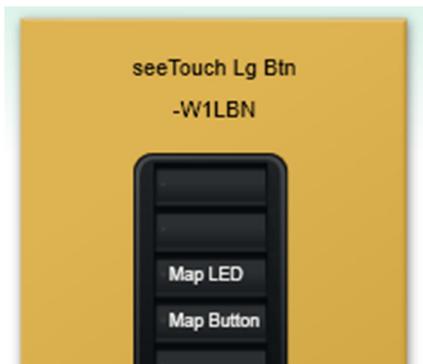
In order to alter the device color, click **View Properties** for the keypad. Under the **Appearance** tab, select: **Architectural Insert** and under the **Architectural Metal** tab select **AU** (gold).



2.3 Engraving and Backlight LED Specification

The next step will be to specify temporary engraving text on the Keypad buttons. This will help identify which button on the placeholder keypad will be used to drive status LED functionality and which button will be used to drive the button programming logic. The buttons will be labeled with the text “Map”, “Map LED”, or “Map Button”. The model number of the Large Button seeTouch keypad can be temporarily engraved on an unused button for easy identification or on the faceplate of the placeholder keypad (8.0 or higher required). The engraving for the actual large buttons will need to be specified later and will be covered later in this document.

The engraving and the LED settings are specified in the device properties where the color was changed in the previous step. Under the **Engraving Tab**, type the model number (WxLBN) of the Large Button seeTouch keypad on an unused button or on the faceplate (shown in the mapping diagrams in section 2.4).



Engrave the placeholder keypad buttons as follows:

Map = Button and status LED are a direct map to the corresponding button and status LED of the placeholder keypad (standard size, not large button)

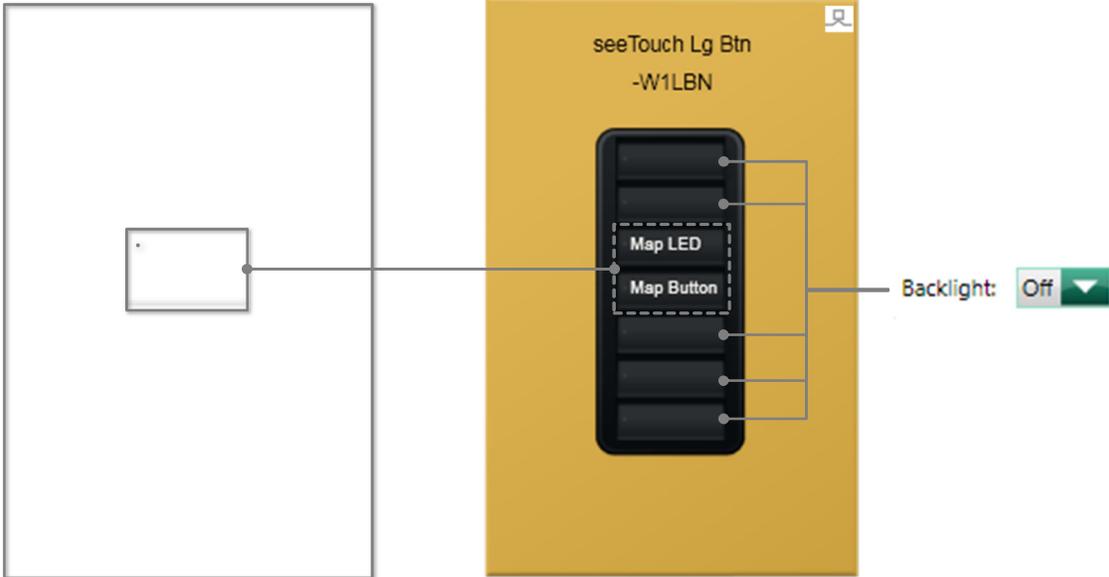
Map LED = Button is used to represent the status LED logic of the associated large button; this will be the top button of the pair since the actual status LED of the large button is in the top left of the button

Map Button = Button is used to represent the programming logic triggered by the press of the associated large button; this will be the bottom button of the pair since the actual button actuator is on the bottom of the large button

Leave blank all buttons that are not utilized in the programming of the Large Button seeTouch keypad. Buttons that are left blank (unused) should have their LED backlighting turned off using the dropdown menu while in the **Engraving Tab**.

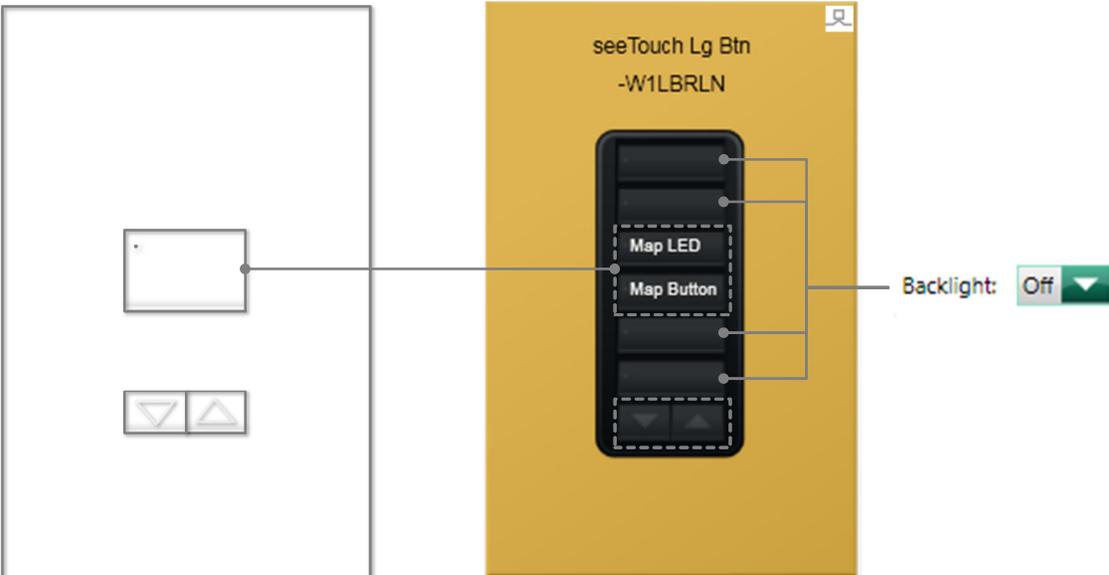
Refer to section 2.4 for button mapping diagrams and illustrative examples of the engraving and backlight settings described above.

2.4 Button Mapping



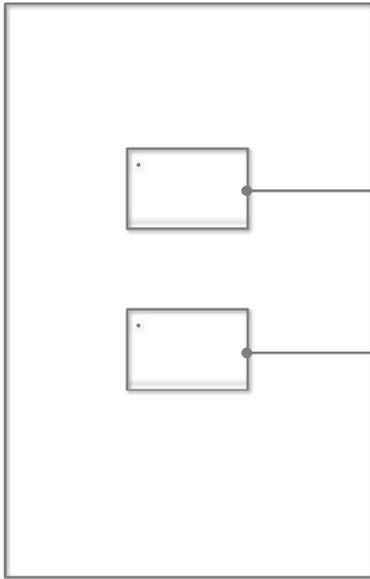
Model #: HQRWA-W1LBN-xxx-CPN7045
 Description: HWQS Large Button seeTouch keypad
 1 Button Non-insert Keypad

Model #: HQWA-W7BI-BL
 Description: HWQS Architectural Insert
 Wired seeTouch 7 Button Keypad

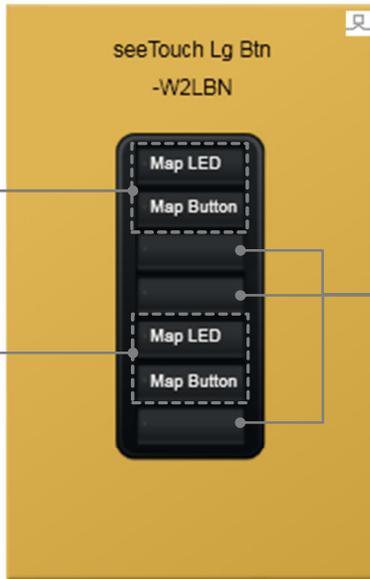


Model #: HQRWA-W1LBRLN-xxx-CPN7045
 Description: HWQS Large Button seeTouch keypad
 1 Button with Raise/Lower Non-insert Keypad

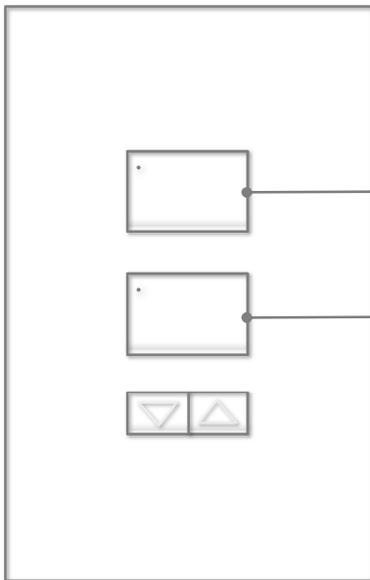
Model #: HQRA-W6BRL-BL
 Description: HWQS Architectural RF
 seeTouch 6 Button with Raise/Lower
 Keypad



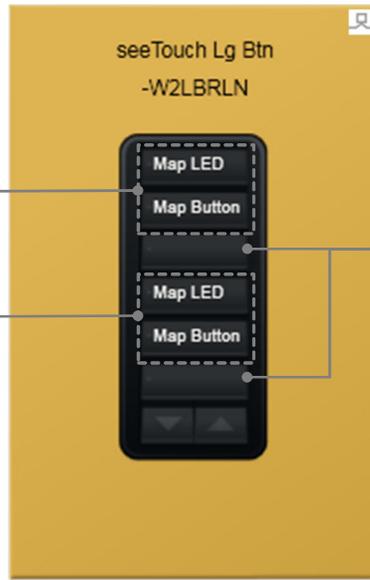
Model #: HQRWA-W2LBN-xxx-CPN7045
 Description: HWQS Large Button seeTouch keypad
 2 Button Non-insert Keypad



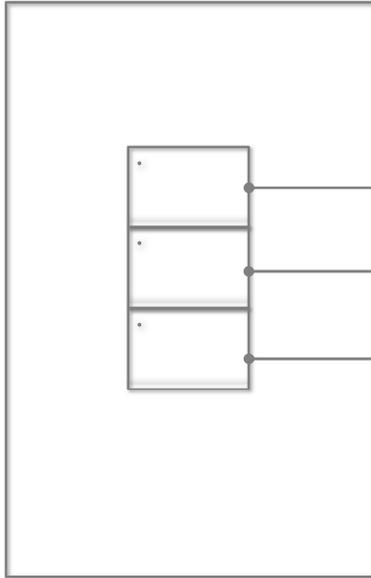
Model #: HQWA-W7BI-BL
 Description: HWQS Architectural Insert
 Wired seeTouch 7 Button Keypad



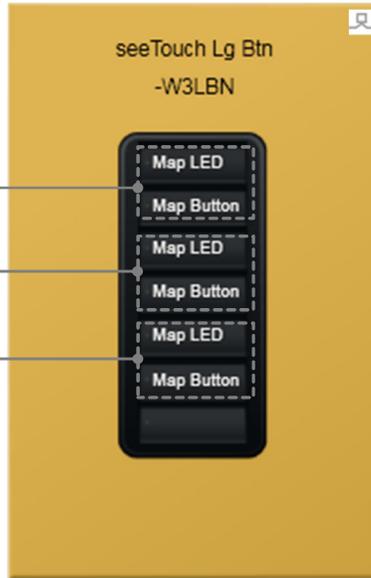
Model #: HQRWA-W2LBRLN-xxx-CPN7045
 Description: HWQS Large Button seeTouch keypad
 2 Button with Raise/Lower Non-insert Keypad



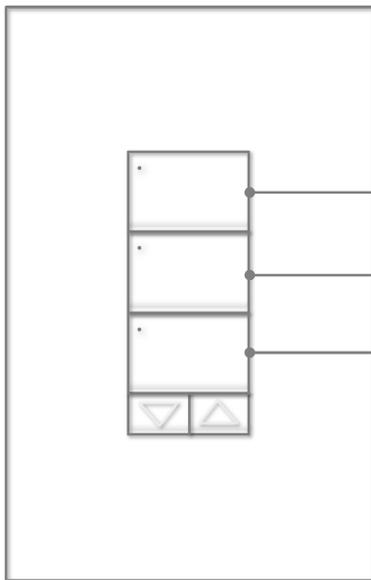
Model #: HQRA-W6BRL-BL
 Description: HWQS Architectural RF
 seeTouch 6 Button with Raise/Lower
 Keypad



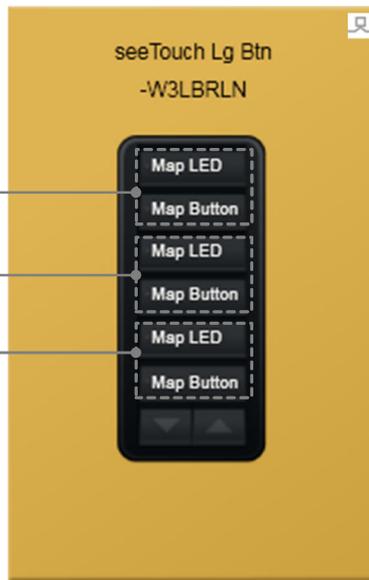
Model #: HQRWA-W3LBN-xxx-CPN7045
 Description: HWQS Large Button seeTouch keypad
 3 Button Non-insert Keypad



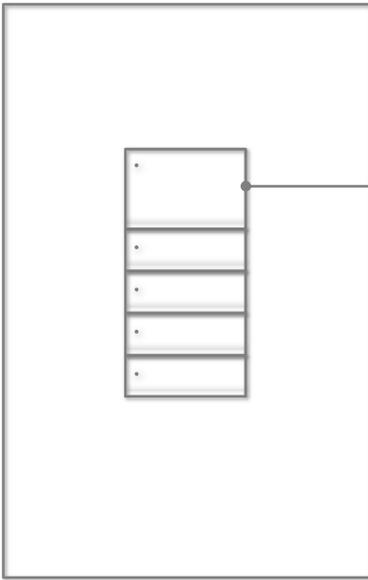
Model #: HQWA-W7BI-BL
 Description: HWQS Architectural Insert
 Wired seeTouch 7 Button Keypad



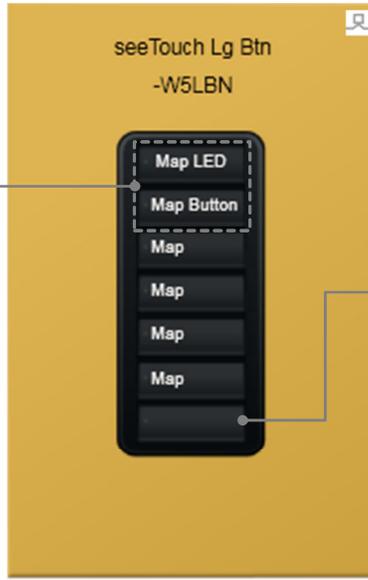
Model #: HQRWA-W3LBRLN-xxx-CPN7045
 Description: HWQS Large Button seeTouch keypad
 3 Button with Raise/Lower Non-insert Keypad



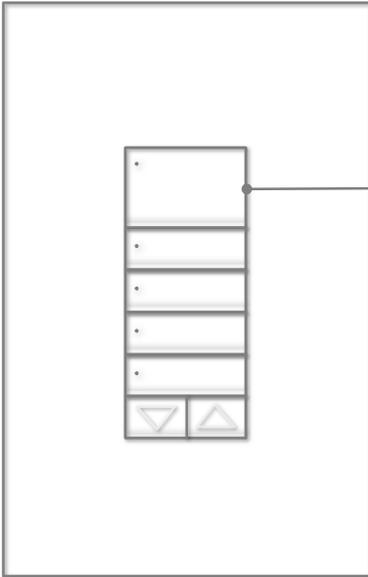
Model #: HQRA-W6BRL-BL
 Description: HWQS Architectural RF
 seeTouch 6 Button with Raise/Lower
 Keypad



Model #: HQRWA-W5LBN-xxx-CPN7046
 Description: HWQS Large Button seeTouch keypad
 1L/4S Button Non-insert Keypad



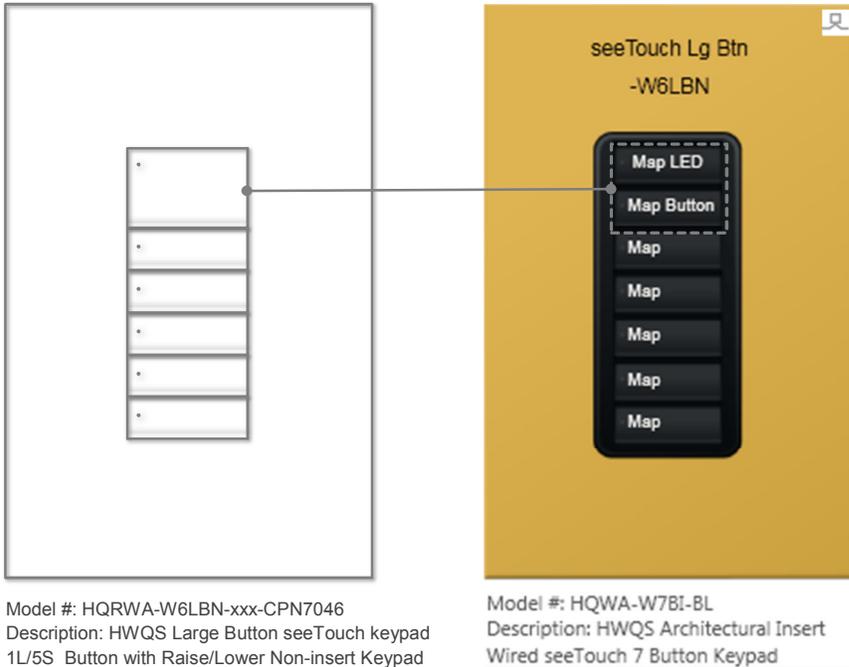
Model #: HQWA-W7BI-BL
 Description: HWQS Architectural Insert
 Wired seeTouch 7 Button Keypad



Model #: HQRWA-W5LBRLN-xxx-CPN7046
 Description: HWQS Large Button seeTouch keypad
 1L/4S Button with Raise/Lower Non-insert Keypad



Model #: HQRA-W6BRL-BL
 Description: HWQS Architectural RF
 seeTouch 6 Button with Raise/Lower
 Keypad

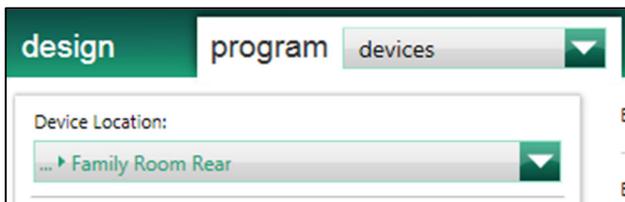


2.5 Special Programming for Large Button seeTouch keypad

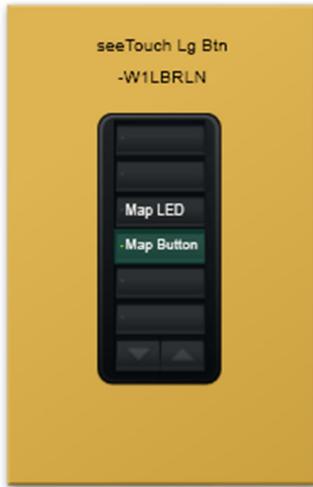
All configurations of Large Button seeTouch keypads have one or more buttons on the keypad which are twice the height of a standard seeTouch button. For these buttons, the button that is actually pressed is the lower button, but the status LED for the large button is the status LED of the upper button of the placeholder. Special programming accommodations are required in order to achieve the proper user experience.

2.5.1 Programming as Single Action

1. Select the placeholder keypad to program from the **Device Location** drop down menu under **Program > Devices**

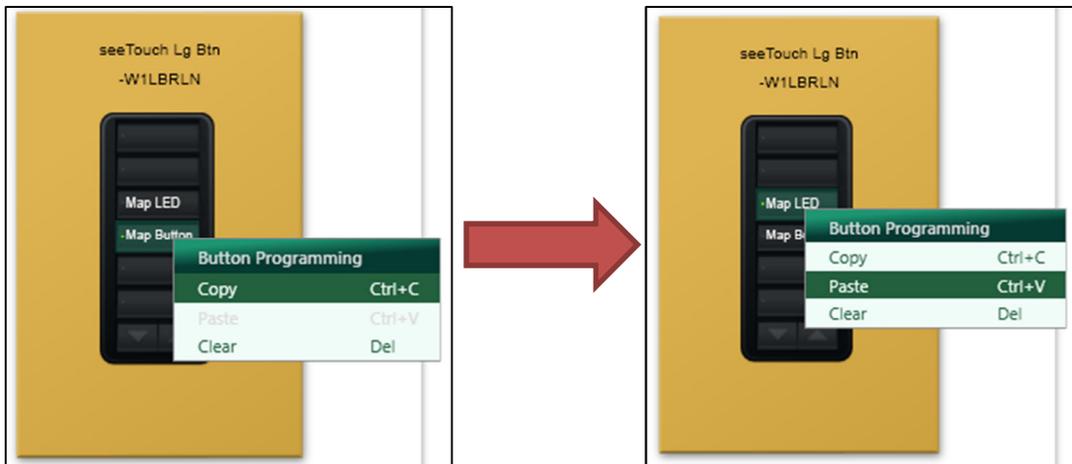


- Program the lower of the two buttons covered by the double tall button, labeled "Map Button", to meet the user's requirement for that button. Set the LED logic for this button to "Via Integration"



Button Type: LED Logic:

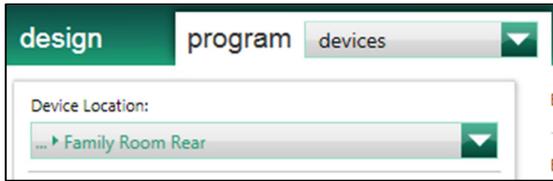
- Copy the programming on the lower button to the upper button and change the LED logic to match the desired user function



Button Type: LED Logic:

2.5.2 Programming as Toggle

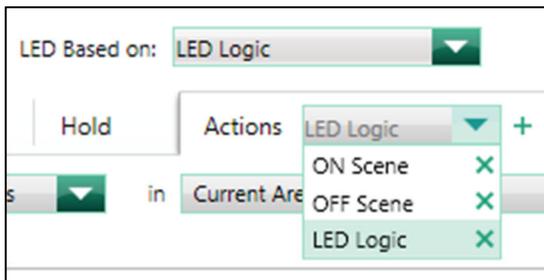
1. Select the placeholder keypad to program from the **Device Location** drop down menu under **Program > Devices**



2. Program the lower of the two buttons, labeled “Map Button” as conditional based on the state of the LED on the upper keypad button named “Map LED”:



3. Define a third scene, called LED Logic, that contains no programming and define the LED logic for the conditional statement based off this scene so the LED will not stay on.

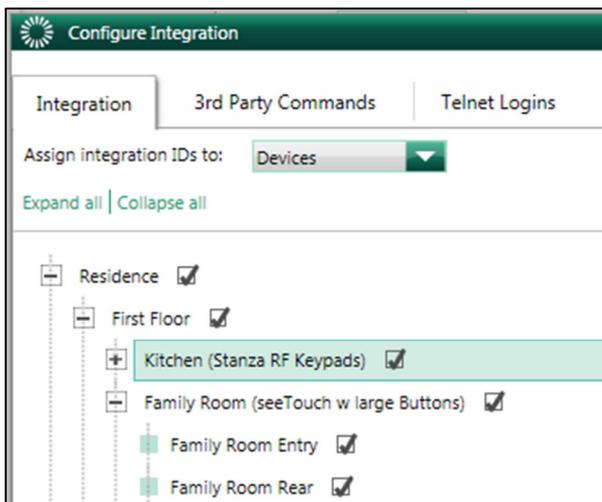


4. Program the upper button, “Map LED”, with the appropriate LED logic for the large button and assign the loads from the ON Scene to this button (level setting must match for Scene logic).

2.5.3 Important Programming Considerations

There are some programming considerations to account for as a result of the special requirements when programming for Large Button seeTouch keypads.

1. The status LED on the lower button will come on for a short period of time and then go out. On lighter color keypads this will shine through the button.
2. In Home Control+ apps, the buttons will appear as two separate buttons. The user can use the upper of the two buttons to activate the programming. This could be overcome by creating virtual or homeowner keypads to simulate the operation of the desired button programming. When creating a virtual or homeowner keypad for the app, it is recommended to then remove the placeholder keypad from the app by unchecking the box in the **Configure Integration** window, accessible from the **Tools** menu.



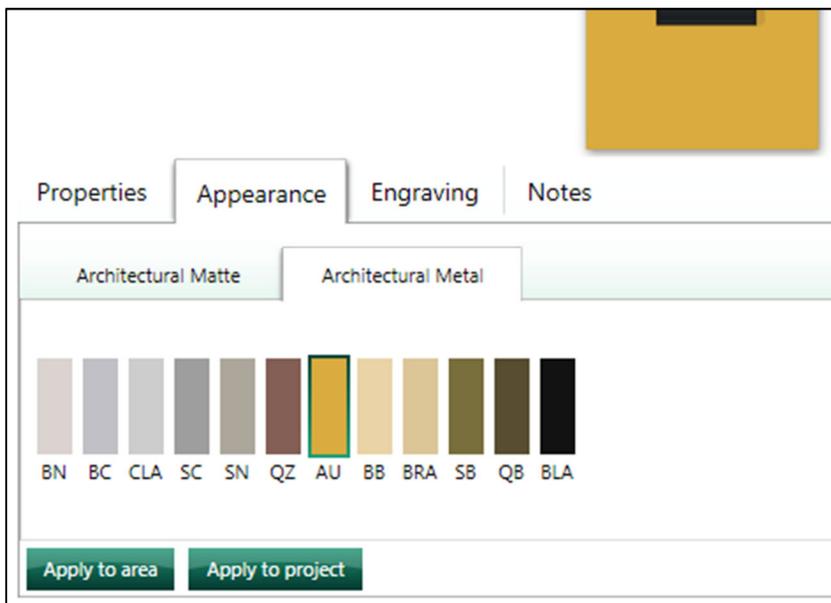
3.0 Round Button Signature Series keypads

A Toolbox should be created that includes the standard Signature Series 7B model number which will accommodate all configurations of Round Button Signature Series keypads. Proceed to add 7B keypad(s) to the desired room(s) in the Area Tree where Round Button Signature Series keypads will be located. Refer to the mapping diagrams on pages **15** and **16** to help determine which buttons on the 7B placeholder map to the actual Round Button Signature Series keypad.

3.1 Appearance

It is recommended the 7B keypads be specified in Gold to give it a unique look. This will help these mapped keypads stand out in the project and will serve as a reminder that this keypad is being mapped to simulate the physical Round Button Signature Series keypad being installed.

In order to alter the device color, click **View Properties** for the keypad. Under the **Appearance** tab, select the **Architectural Metal** tab select **AU** (gold).



3.2 Engraving and Backlight LED Specification

The next step will be to specify temporary engraving text on the Keypad buttons. This will help identify which button in software will be used to drive the round button programming logic. The buttons will be labeled with the text “Map” if they are to be programmed. The model number of the round button keypad can be temporarily engraved on an unused button for easy identification. The engraving for the actual keypad will need to be specified later and is covered in section 5.0.

The engraving and the LED settings are specified in the device properties where the color was changed in the previous step. Under the **Engraving Tab**, type the model number (WxRB) of the Large Button seeTouch keypad on an unused button or on the faceplate (shown in the mapping diagrams in section 3.3).



Engrave the placeholder keypad buttons as follows:

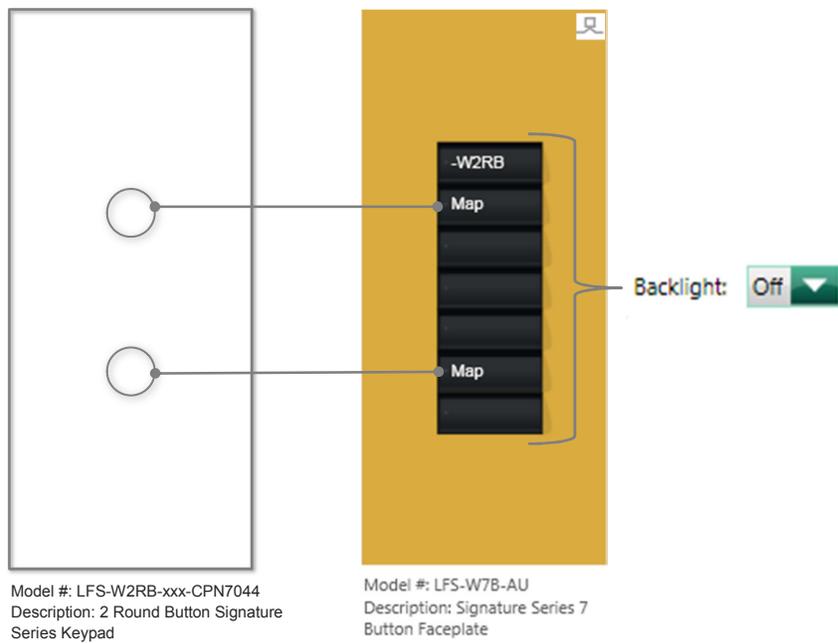
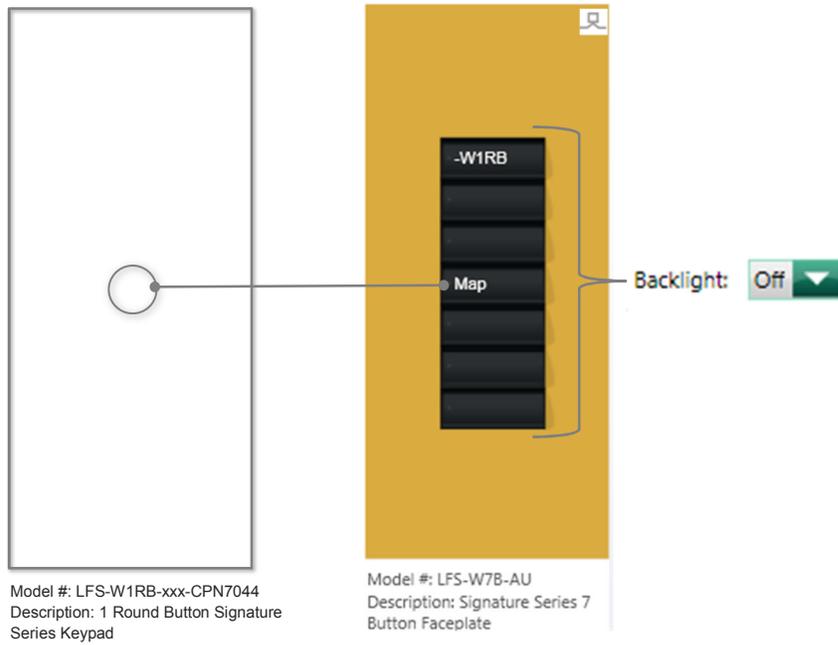
Map = Button and status LED are a direct map to the corresponding button and status LED of the placeholder

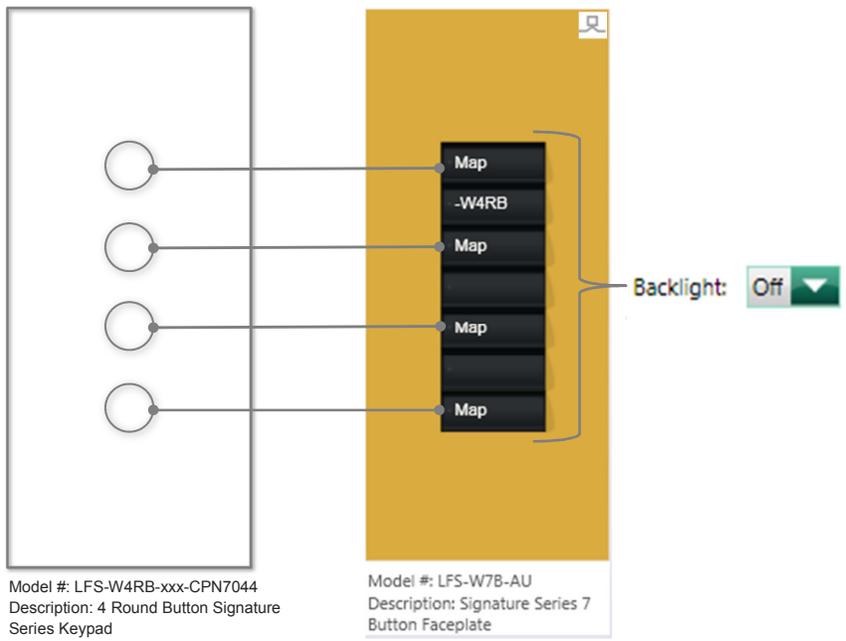
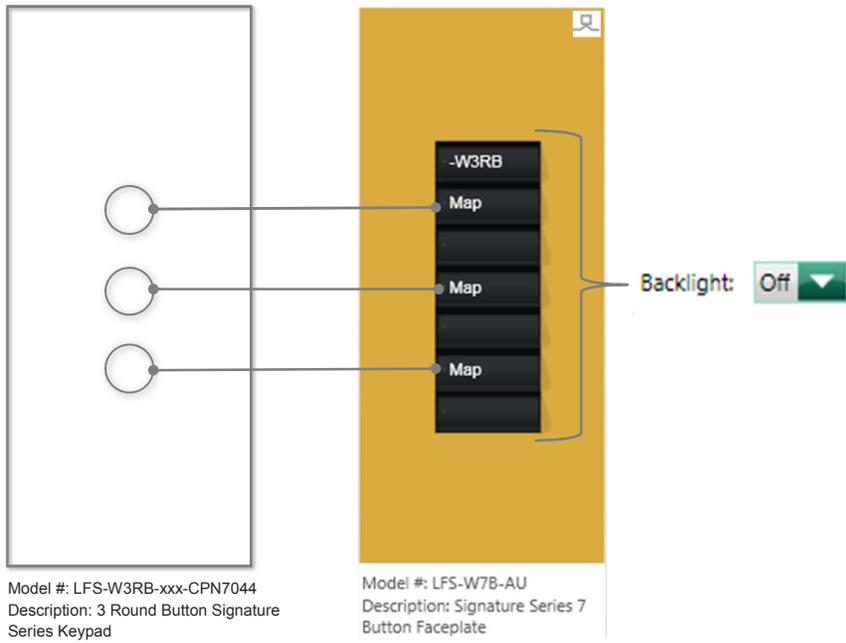
Leave all buttons blank that are not utilized in the programming of the round button keypad.

All buttons on the keypad should have their LED backlighting turned off using the dropdown menu while in the **Engraving Tab**. LED backlighting is not an option with the finishes of Round Button Signature Series.

Refer to section 3.3 for button mapping diagrams and illustrative examples of the engraving and backlight settings described above.

3.3 Button Mapping





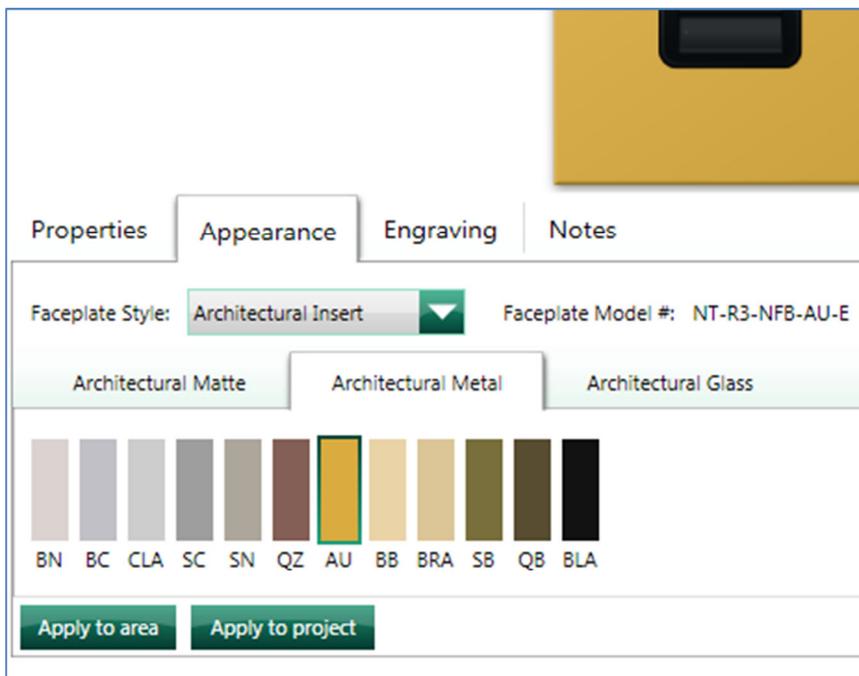
4.0 HWQS RF Stanza Keypads

A Toolbox should be created that includes the standard RF seeTouch 7B model number which will accommodate all configurations of RF Stanza keypads. Proceed to add 7B keypad(s) to the desired room(s) in the Area Tree where RF Stanza keypads will be located. Refer to the mapping diagrams on pages 19 and 21 to help determine which buttons on the 7B placeholder map to the actual RF Stanza keypad.

4.1 Appearance

It is recommended the 7B keypads be specified in Gold to give it a unique look. This will help these mapped keypads stand out in the project and will serve as a reminder that this keypad is being mapped to simulate the physical RF Stanza keypad being installed.

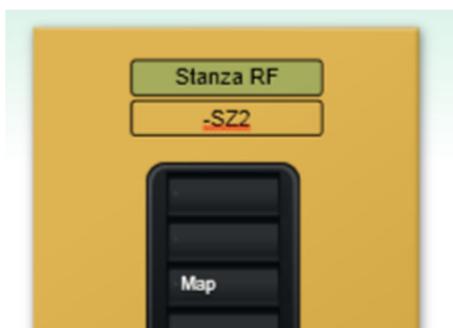
In order to alter the device color, click **View Properties** for the keypad. Under the **Appearance** tab, select: **Architectural Insert** and under the **Architectural Metal** tab select **AU** (gold).



4.2 Engraving and Backlight LED Specification

The next step will be to specify temporary engraving text on the Keypad buttons. This will help identify which button in software will be used to drive the RF Stanza keypad button and status LED logic. The buttons will be labeled with the text “Map” if they are to be programmed. The model number of the RF Stanza keypad can be temporarily engraved on an unused button, or on the faceplate of the placeholder keypad (8.0 or higher required), for easy identification. The engraving for the actual keypad will need to be specified later and is covered in section 5.0.

The engraving and the backlight LED settings are specified in the device properties where the color was changed in the previous step. Under the **Engraving Tab**, type the model number (SZxx) of the Large Button seeTouch keypad on an unused button or on the faceplate (shown in the mapping diagrams in section 3.3).



Engrave the placeholder keypad buttons as follows:

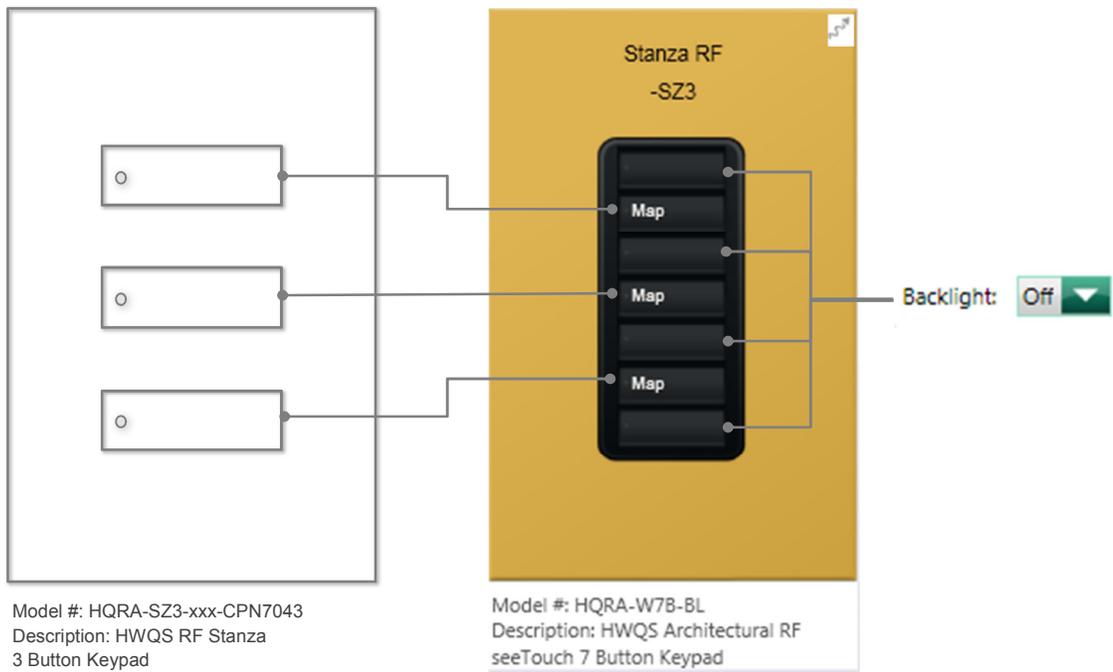
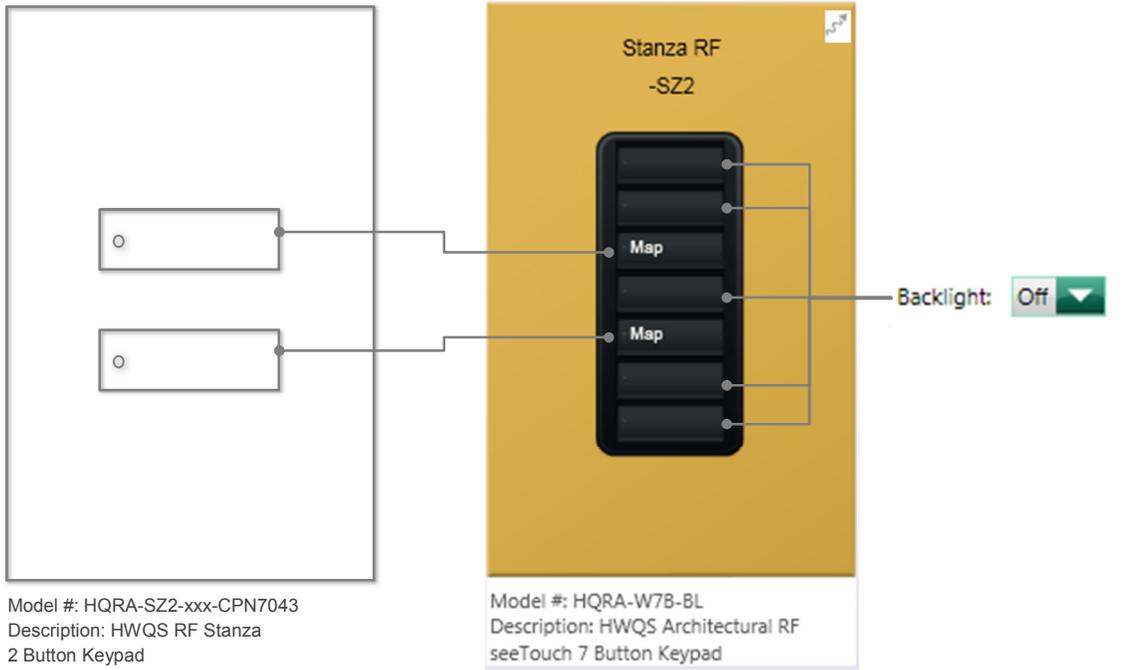
Map = Button and status LED are a direct map to the corresponding button and status LED of the placeholder

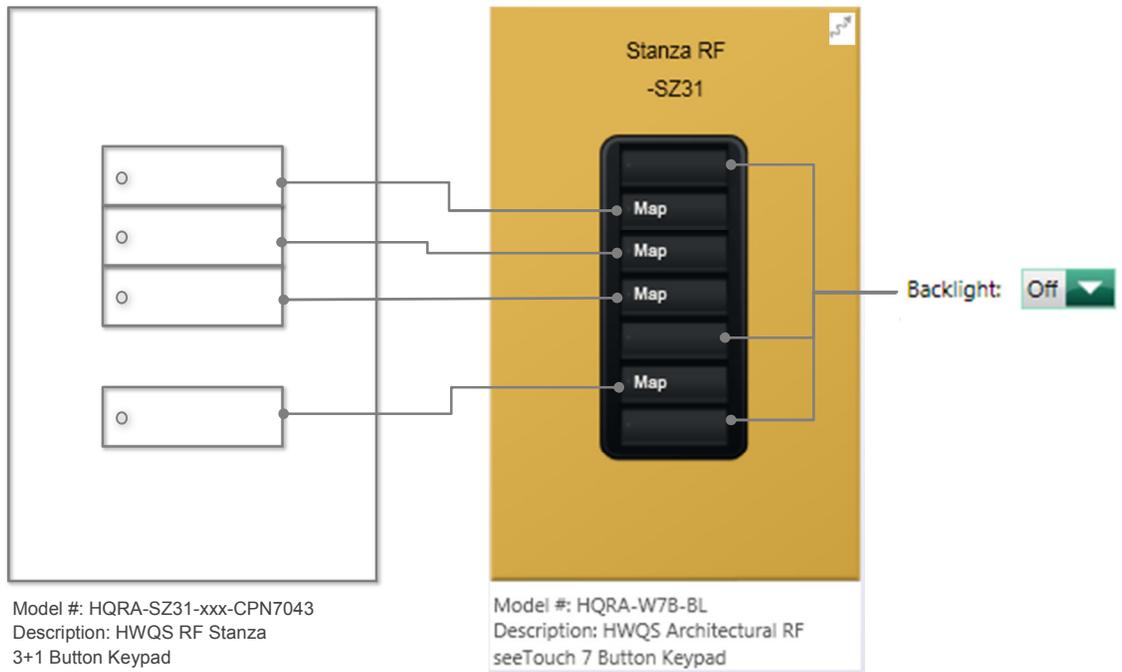
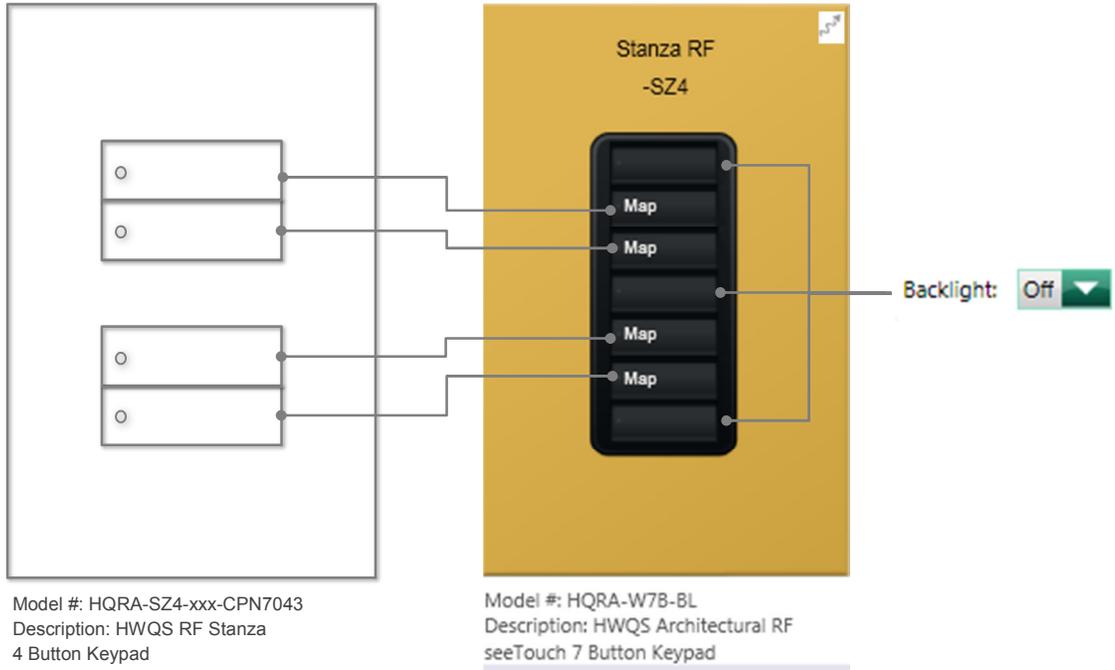
Leave blank all buttons that are not utilized in the programming of the RF Stanza keypad.

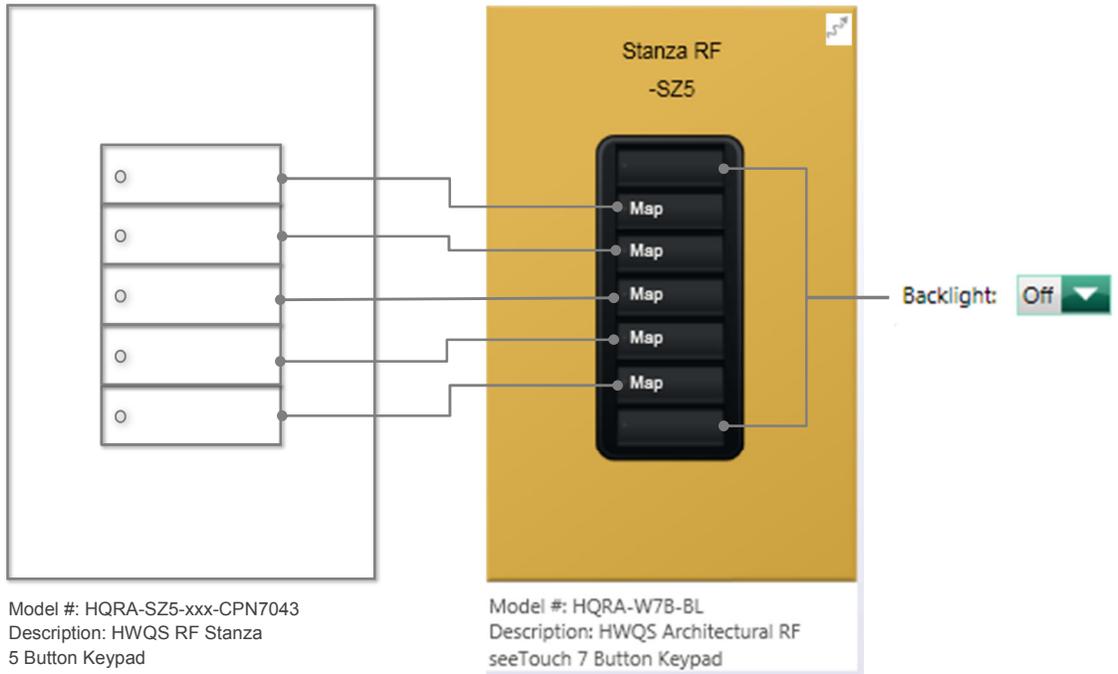
All unused buttons on the keypad should have their LED backlighting turned off using the dropdown menu while in the **Engraving Tab**.

Refer to section 4.3 for button mapping diagrams and illustrative examples of the engraving and backlight settings described above.

4.3 Button Mapping





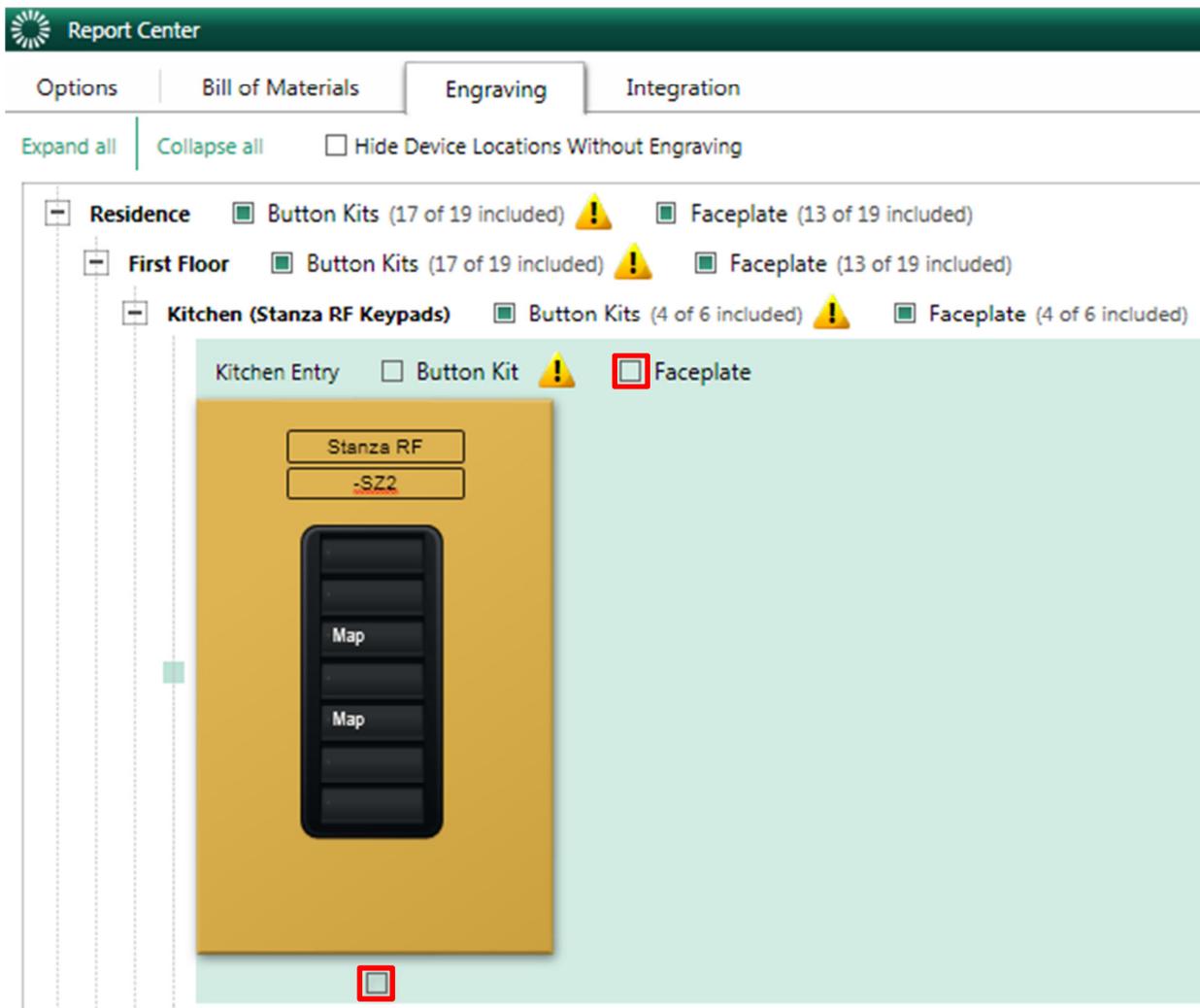


5.0 Specification Keypads Engraving

The Specification Keypads cannot be engraved utilizing the Engraving Manager and Report feature within the HomeWorks QS programming software. When ordering the actual engraving for the Specification Keypads, contact Lutron Customer Service:

- North America, Latin America, and South America 1.888.588.7661
- Europe, Africa, and Asia +44.207.702.0657

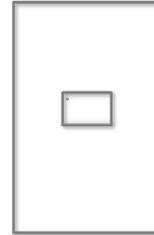
Prior to submitting the Engraving Report, when engraving the remainder of non-Specification Keypads on the project, be sure to not include the placeholders for the Specification Keypads by unchecking the box (highlighted red in the below image).



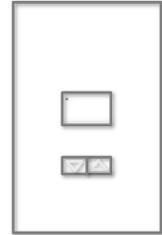
6.0 Appendix

6.1 Appendix A – Large Button seeTouch keypad Model Numbers

HQWRA-W1LBN-xxx-CPN7045	1 Button Keypad
RKA-W1LBN-xxx-CPN7045	Button Kit
HQWRA-W1LBRLN-xxx-CPN7045	1 Button Keypad with Raise Lower
RKA-W1LBRLN-xxx-CPN7045	Button Kit
HQWRA-W2LBN-xxx-CPN7045	1 Button Keypad
RKA-W2LBN-xxx-CPN6045	Button Kit
HQWRA-W2LBRLN-xxx-CPN7045	2 Button Keypad with Raise Lower
RKA-W2LBRLN-xxx-CPN7045	Button Kit
HQWRA-W3LBN-xxx-CPN7045	3 Button Keypad
RKA-W3LBN-xxx-CPN7045	Button Kit
HQWRA-W3LBRLN-xxx-CPN7045	3 Button Keypad with Raise Lower
RKA-W3LBRLN-xxx-CPN7045	Button Kit
HQWRA-W5LBN-xxx-CPN7046	1L/4S Button Keypad
RKA-W5LBN-xxx-CPN7046	Button Kit
HQWRA-W5LBRLN-xxx-CPN7046	1L/4S Button Keypad with Raise Lower
RKA-W5LBRLN-xxx-CPN7046	Button Kit
HQWRA-W6LBN-xxx-CPN7046	6 Button Keypad
RKA-W6LBN-xxx-CPN7046	Button Kit



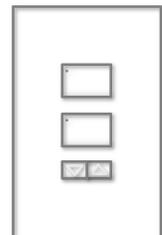
HQRWA-W1LBN-xxx-CPN7045



HQRWA-W1LBRLN-xxx-CPN7045



HQRWA-W2LBN-xxx-CPN7045



HQRWA-W2LBRLN-xxx-CPN7045



HQRWA-W3LBN-xxx-CPN7045



HQRWA-W3LBRLN-xxx-CPN7045



HQRWA-W5LBN-xxx-CPN7046



HQRWA-W5LBRLN-xxx-CPN7046



HQRWA-W6LBN-xxx-CPN7046

6.2 Appendix B – Large Button seeTouch keypad Available Colors

Colors and Finishes

Architectural Matte Finishes



White
WH



Ivory
IV



Almond
AL



Light
Almond
LA



Gray
GR



Brown
BR



Black
BL



Taupe
TP



Sienna
SI



Beige
BE

Architectural Metal Finishes (wallplates only)



Satin Brass
SB



Bright Brass
BB



Bright Chrome
BC



Clear Anodized
Aluminum
CLA



Black Anodized
Aluminum
BLA



Brass Anodized
Aluminum
BRA



Antique Brass
QB



Antique Bronze
QZ



Satin Chrome
SC



Satin Nickel
SN



Bright Nickel
BN



Gold
AU

Architectural Glass Finishes (wallplates only)



GWH
Green Glass with
White Paint

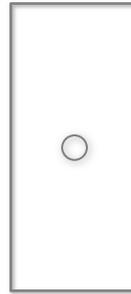


CWH
Clear Glass with
White Paint

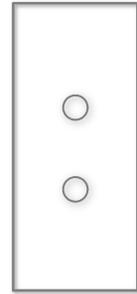
6.3 Appendix C – Round Button Signature Series Button/Faceplate Kit Model Numbers

Base Units

HQWAS-G*	Keypad with Green LED status and backlighting without faceplate or button kit
HQWAS-B*	Keypad with Blue LED status and backlighting without faceplate or button kit



LFS-W1RB-xxx-CPN7044



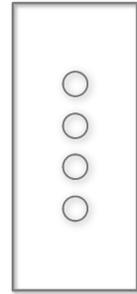
LFS-W2RB-xxx-CPN7044

Button/Faceplate Kits

LFS-W1RB-xxx-CPN7044	1 Button
LFS-W2RB-xxx-CPN7044	2 Button
LFS-W3RB-xxx-CPN7044	3 Button
LFS-W4RB-xxx-CPN7044	4 Button



LFS-W3RB-xxx-CPN7044



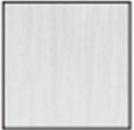
LFS-W4RB-xxx-CPN7044

*LED status lights are not visible and backlight LED's are disabled when used with Round Button faceplates. No LED color will be visible when the faceplate is installed.

6.4 Appendix D – Round Button Signature Series Button/Faceplate Kit Available Colors

Colors and Finishes

Architectural Metal Finishes (wallplates only)

		
Satin Brass SB	Bright Brass BB	Bright Chrome BC
		
Clear Anodized Aluminum CLA	Black Anodized Aluminum BLA	Brass Anodized Aluminum BRA
		
Antique Brass QB	Antique Bronze QZ	Satin Chrome SC
		
Satin Nickel SN	Bright Nickel BN	Gold AU

6.5 Appendix E – HWQS RF Stanza Keypads Model Numbers

HQRA-SZ2-xxx-CPN7043	2 Button Keypad
RKA-SZ2-xxx-CPN7043	Button Kit
HQRA-SZ3-xxx-CPN7043	3 Button Keypad
RKA-SZ3-xxx-CPN7043	Button Kit
HQRA-SZ4-xxx-CPN7043	4 Button Keypad
RKA-SZ4-xxx-CPN7043	Button Kit
HQRA-SZ31-xxx-CPN7043	3+1 Button Keypad
RKA-SZ31-xxx-CPN7043	Button Kit
HQRA-SZ5-xxx-CPN7043	5 Button Keypad
RKA-SZ5-xxx-CPN7043	Button Kit



HQRA-SZ2-xxx-CPN7043



HQRA-SZ3-xxx-CPN7043



HQRA-SZ4-xxx-CPN7043



HQRA-SZ31-xxx-CPN7043



HQRA-SZ5-xxx-CPN7043

6.6 Appendix F – HWQS RF Stanza Keypads Available Colors

Colors and Finishes

Architectural Matte Finishes



White
WH



Ivory
IV



Almond
AL



Light
Almond
LA



Gray
GR



Brown
BR



Black
BL



Taupe
TP



Sienna
SI



Beige
BE