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.
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 6 BRL) for the actual Large Button keypad being specified.

![Diagram](image)

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).

![Appearance Options](image)
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).

![seeTouch Lg Btn -W1LBN](image)

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-W7BL-8L
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-8L
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 #: HQRWA-W2LBRLN-xxx-CPN7045
Description: HWQS Large Button seeTouch keypad
2 Button with Raise/Lower Non-insert Keypad
Model #: HQRWA-W3LBRLN-xxx-CPN7045
Description: HWQS Large Button seeTouch keypad
3 Button with Raise/Lower Non-insert Keypad

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

Model #: HQRA-W6BRL-xxx-CPN7045
Description: HWQS Large Button seeTouch keypad
3 Button with Raise/Lower Non-insert Keypad

Model #: HQRA-W6BRL-xxx-CPN7045
Description: HWQS Large Button seeTouch keypad
3 Button with Raise/Lower Non-insert Keypad

Model #: HQWA-W7BS-xxx-CPN7045
Description: HWQS Architectural Insert Wired seeTouch 7 Button Keypad
Model #: HQRWA-W5LBN-xxx-CPN7046
Description: HWQS Large Button seeTouch keypad
1L/4S Button Non-insert Keypad

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

Model #: HQWA-W78I-BL
Description: HWQS Architectural Insert Wired seeTouch 7 Button 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
2. 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"

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

Model #: LFS-W1RB-xxx-CPN7044
Description: 1 Round Button Signature Series Keypad

Model #: LFS-W78-AU
Description: Signature Series 7 Button Faceplate

Model #: LFS-W2RB-xxx-CPN7044
Description: 2 Round Button Signature Series Keypad

Model #: LFS-W78-AU
Description: Signature Series 7 Button Faceplate
Model #: LFS-W4RB-xxx-CPN7044
Description: 4 Round Button Signature Series Keypad

Model #: LFS-W3RB-AU
Description: Signature Series 7 Button Faceplate

Model #: LFS-W4RB-xxx-CPN7044
Description: 4 Round Button Signature Series Keypad

Model #: LFS-W78-AU
Description: Signature Series 7 Button Faceplate
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

Model #: HQRA-SZ2-xxx-CPN7043
Description: HWQS RF Stanza
2 Button Keypad

Model #: HQRA-W78-BL
Description: HWQS Architectural RF
seeTouch 7 Button Keypad

Model #: HQRA-SZ3-xxx-CPN7043
Description: HWQS RF Stanza
3 Button Keypad

Model #: HQRA-W78-BL
Description: HWQS Architectural RF
seeTouch 7 Button Keypad
Model #: HQRA-SZ4-xxx-CPN7043
Description: HWQS RF Stanza
4 Button Keypad

Model #: HQRA-SZ31-xxx-CPN7043
Description: HWQS RF Stanza
3+1 Button Keypad
Model #: HQRA-SZ5-xxx-CPN7043
Description: HWQS RF Stanza
5 Button Keypad

Stanza RF
-SZ5

Model #: HQRA-W7B-BL
Description: HWQS Architectural RF
seeTouch 7 Button Keypad
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

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HQWRA-W1LBN-xxx-CPN7045</td>
<td>1 Button Keypad</td>
</tr>
<tr>
<td>RKA-W1LBN-xxx-CPN7045</td>
<td>Button Kit</td>
</tr>
<tr>
<td>HQWRA-W1LBRLN-xxx-CPN7045</td>
<td>1 Button Keypad with Raise Lower</td>
</tr>
<tr>
<td>RKA-W1LBRLN-xxx-CPN7045</td>
<td>Button Kit</td>
</tr>
<tr>
<td>HQWRA-W2LBN-xxx-CPN7045</td>
<td>1 Button Keypad</td>
</tr>
<tr>
<td>RKA-W2LBN-xxx-CPN6045</td>
<td>Button Kit</td>
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<tr>
<td>HQWRA-W2LBRLN-xxx-CPN7045</td>
<td>2 Button Keypad with Raise Lower</td>
</tr>
<tr>
<td>RKA-W2LBRLN-xxx-CPN7045</td>
<td>Button Kit</td>
</tr>
<tr>
<td>HQWRA-W3LBN-xxx-CPN7045</td>
<td>3 Button Keypad</td>
</tr>
<tr>
<td>RKA-W3LBN-xxx-CPN7045</td>
<td>Button Kit</td>
</tr>
<tr>
<td>HQWRA-W3LBRLN-xxx-CPN7045</td>
<td>3 Button Keypad with Raise Lower</td>
</tr>
<tr>
<td>RKA-W3LBRLN-xxx-CPN7045</td>
<td>Button Kit</td>
</tr>
<tr>
<td>HQWRA-W5LBN-xxx-CPN7046</td>
<td>1L/4S Button Keypad</td>
</tr>
<tr>
<td>RKA-W5LBN-xxx-CPN7046</td>
<td>Button Kit</td>
</tr>
<tr>
<td>HQWRA-W5LBRLN-xxx-CPN7046</td>
<td>1L/4S Button Keypad with Raise Lower</td>
</tr>
<tr>
<td>RKA-W5LBRLN-xxx-CPN7046</td>
<td>Button Kit</td>
</tr>
<tr>
<td>HQWRA-W6LBN-xxx-CPN7046</td>
<td>6 Button Keypad</td>
</tr>
<tr>
<td>RKA-W6LBN-xxx-CPN7046</td>
<td>Button Kit</td>
</tr>
</tbody>
</table>
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 Nickel SN
- Bright Nickel BN
- Gold AU
- Green Glass with White Paint GWH
- Clear Glass with White Paint CWI
6.3 Appendix C – Round Button Signature Series Button/Faceplate Kit Model Numbers

**Base Units**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HQWAS-G*</td>
<td>Keypad with Green LED status and backlighting without faceplate or button kit</td>
</tr>
<tr>
<td>HQWAS-B*</td>
<td>Keypad with Blue LED status and backlighting without faceplate or button kit</td>
</tr>
</tbody>
</table>

**Button/Faceplate Kits**

<table>
<thead>
<tr>
<th>Model</th>
<th>Buttons</th>
</tr>
</thead>
<tbody>
<tr>
<td>LFS-W1RB-xxx-CPN7044</td>
<td>1 Button</td>
</tr>
<tr>
<td>LFS-W2RB-xxx-CPN7044</td>
<td>2 Button</td>
</tr>
<tr>
<td>LFS-W3RB-xxx-CPN7044</td>
<td>3 Button</td>
</tr>
<tr>
<td>LFS-W4RB-xxx-CPN7044</td>
<td>4 Button</td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>Keypad Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HQRA-SZ2-xxx-CPN7043</td>
<td>2 Button Keypad</td>
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<tr>
<td>RKA-SZ2-xxx-CPN7043</td>
<td>Button Kit</td>
</tr>
<tr>
<td>HQRA-SZ3-xxx-CPN7043</td>
<td>3 Button Keypad</td>
</tr>
<tr>
<td>RKA-SZ3-xxx-CPN7043</td>
<td>Button Kit</td>
</tr>
<tr>
<td>HQRA-SZ4-xxx-CPN7043</td>
<td>4 Button Keypad</td>
</tr>
<tr>
<td>RKA-SZ4-xxx-CPN7043</td>
<td>Button Kit</td>
</tr>
<tr>
<td>HQRA-SZ31-xxx-CPN7043</td>
<td>3+1 Button Keypad</td>
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<tr>
<td>RKA-SZ31-xxx-CPN7043</td>
<td>Button Kit</td>
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<td>HQRA-SZ5-xxx-CPN7043</td>
<td>5 Button Keypad</td>
</tr>
<tr>
<td>RKA-SZ5-xxx-CPN7043</td>
<td>Button Kit</td>
</tr>
</tbody>
</table>
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)