



USER MANUAL



Version 2.2.7
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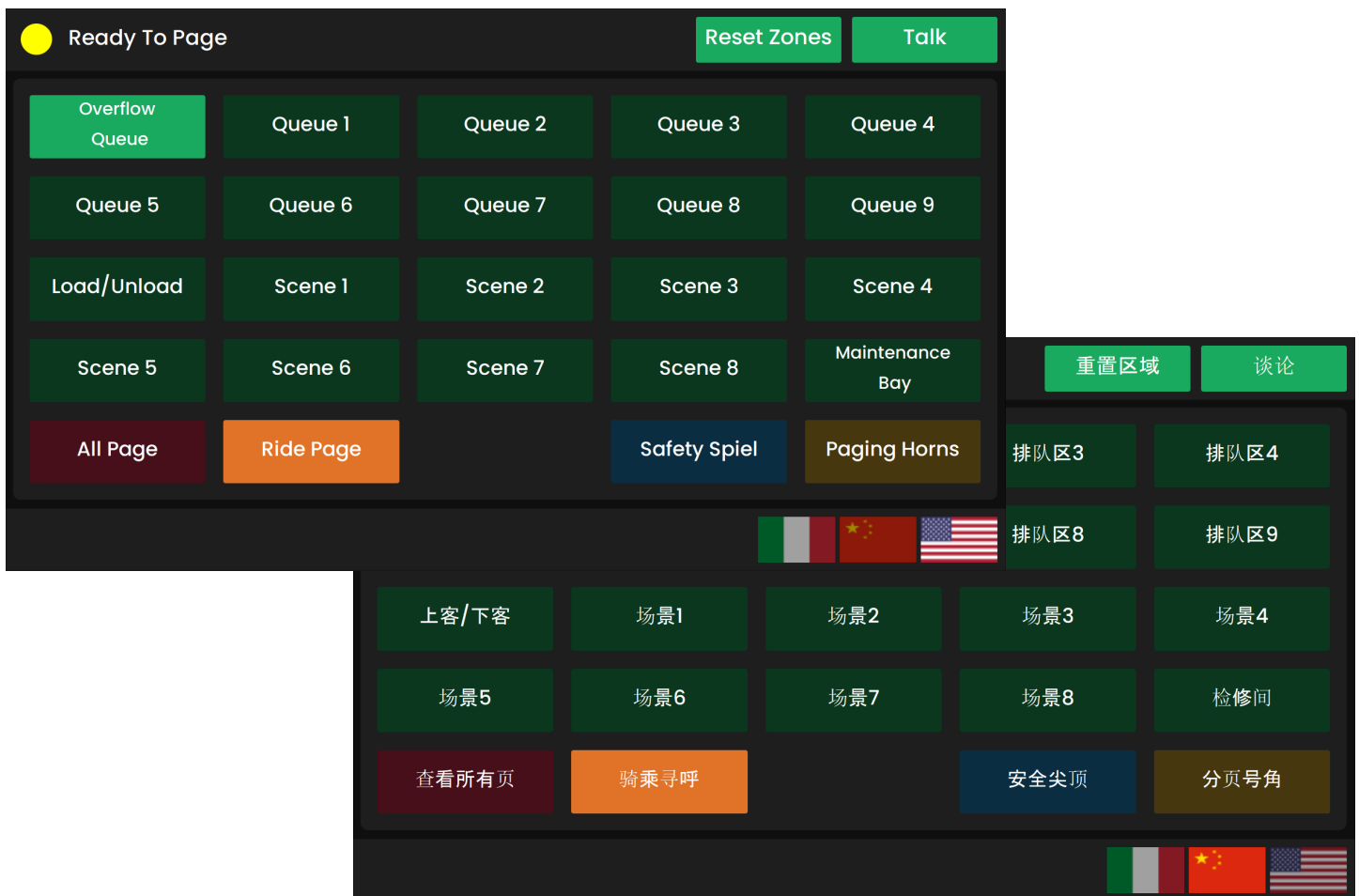
OVERVIEW

TouchPage by Forward Thinking Designs is a paging system plugin for QSC® Q-SYS™.

TouchPage is a touchscreen paging system with automatic UCI generation. It natively supports multiple languages, can be used with Alcorn McBride V-Page stations, and can be configured on-the-fly without recompiling.

TouchPage requires a license key to function but can be used in demo mode for 10 minutes to evaluate the plugin. The 10-minute period can be restarted by restarting the Q-SYS™ design. Use of the plugin in demo mode for commercial purposes is prohibited.

TouchPage downloads and license keys can be obtained from Forward Thinking Designs at www.ForwardThinkingDesigns.com.



CONFIGURATION

Properties

Property	Function	Choices
License Key	Enter the license key here to activate the plugin.	
Station Number	Determines which audio pin on the Q-SYS™ PA Zone Router will carry the audio from TouchPage.	1-128 (default 1)
Station Name	Determines the name displayed in the log for this station	String [blank] (default)
Auto Config Refresh	Determines whether the plugin will automatically update paging configuration and audio files.	Yes (default) No
Buttons	Set the number of Buttons.	2-100 (default 25)
Quick Select Groups	Set the number of Quick Select Groups.	2-100 (default 25)
Spiels	Set the number of Spiels.	2-100 (default 25)
On-screen Push-to-Talk	Determine whether to display a Push-to-Talk button on Buttons tabs.	Yes (default) No
Button Color	Set the default button color.	Blue Blue Grey Green (default) Grey Light Blue Orange Purple Red Teal Yellow
Ring Color	Set the button border color.	Blue Same As Button (default) Blue Grey Green Grey Light Blue Orange Purple Red Teal Yellow
TSC	Select the correct QSC TSC model for which to generate the UCI.	TSC7 (default) TSC55 TSC80 TSC116
Hardware	Select the model of paging station hardware in use, if any.	None (default) VP4X VP16K
Custom Language Config	Allow user to change phrases and labels for multiple language support.	Yes No (default)
Custom Languages	Number of selection buttons for custom languages.	1-8 (default 4)

Show Debug	Allows display of the plugin debug window.	Yes No (default)
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Properties	
TouchPage Properties	
License Key	
Station Number	1
Auto Config Refresh	Yes ▼
Buttons	25
Quick Select Groups	25
Spiels	25
On-Screen Push-to-Talk	Yes ▼
Button Color	Green ▼
Ring Color	Same As Button ▼
TSC	TSC7 ▼
Hardware	V-Page VP4X ▼
Custom Language Config	Yes ▼
Custom Languages	4
Show Debug	No ▼

Setup

To configure TouchPage, follow these steps:

1. Add one Q-SYS PA Router to the Q-SYS design.
2. Set the Station Count in the PA Router properties to match the number of TouchPage plugins you plan to use.
3. Select the PA Router and assign it a unique component name.
4. Add the required number of TouchPage plugins to the Q-SYS design.
5. Enter your **License Key** given to you with the download of the plugin in the Properties window of TouchPage. Without a license the plugin will only function for 10 minutes.
6. Set the **Station Number** property. ***IMPORTANT*** Every instance of TouchPage must have a unique station number corresponding to the intended audio input pin on the Q-SYS™ PA Router.
7. **Auto Config Refresh** is enabled by default (set to “Yes”). If set to “No”, the paging configuration and audio files will only update when the user presses the “Configuration Refresh” button on the About page.
8. Configure the following button-based properties:
 - a. Set the number of **Buttons** available for use. Generally, this number can be determined by counting the zones, quick select groups, and spiels that will be used in your design. It’s recommended to configure more buttons than will be used – the number of buttons should generally be rounded up to fill any empty space on a Buttons tab. (For example, 25 buttons fit on a tab for a TSC or TSC80, so 37 buttons should be rounded up to 50.)
 - b. Set the number of **Quick Select Groups** available for use. It is also recommended to configure more Quick Select Groups than expected.
 - c. Set the number of **Spiels** available for use. It is also recommended to configure more Spiels than expected.
9. Set **On-Screen Push-to-Talk** to “Yes” if push-to-talk is required and the paging station does not have a hardware push-to-talk button.
10. Set the default **Button Color** and **Ring Color** for buttons.
11. Set the appropriate QCS **TSC** model for your system.
 - a. **TSC55** will generate a 4x4 layout (16 buttons).
 - b. **TSC7** or **TSC8** will generate a 5x5 layout (25 buttons).
 - c. **TSC116** will generate a 6x6 layout (36 buttons).
12. If an Alcorn McBride V-Page paging station will be used, set the **Hardware** property to the correct V-Page model.

13. If multiple language support is required, set **Custom Language Config** to “Yes” and **Custom Language Buttons** to the required number of languages.
14. For each **Buttons** tab in the plugin, repeat the following steps:
 - a. Select all the elements from that tab and copy them to the clipboard.
 - b. Open the desired UCI page and paste the elements onto that page. Ensure that the elements snap to the top left corner of the UCI. If the TouchPage plugin and the UCI are set to the same TSC model, the elements should fill the UCI page perfectly.
15. If more than one UCI page is used, add navigation buttons to the UCI pages as needed.
16. If Custom Language Config is enabled, copy and paste the appropriate Language Select Buttons from the Setup tab to the UCI.
17. The offline plugin settings are now finished, and the plugin should be run on an active Q-SYS™ Core using *Save to Core & Run*.
18. Navigate to the **Setup** tab, which contains additional settings which can be modified while the design is running.
 - a. Set the **Station Priority**. (Station priorities are created in Q-SYS Administrator.)
 - b. Set the **Maximum Live Page Duration** if the length of voice pages should be limited.
 - c. Enable **Clear Selections After Page** if button selections should be cleared after each page.
 - d. Set **Zone Selection Timeout** to clear button selections after a period of time if no page has been initiated.
 - e. If desired, configure the preamble using the **Preamble Audio File**.
 - f. Set the **Selection Mode** to determine how button selection works. For additional information, consult the [Setup](#) (tab) section of this manual.
 - g. Set **Button Mode** to determine the behavior of button indicators. For additional information, consult the [Setup](#) (tab) section of this manual.
 - h. Set **Ring Mode** to determine the behavior of ring indicators. For additional information, consult the [Setup](#) (tab) section of this manual.
 - i. Set the **Playback Mode** to determine instant or queued pages. For additional information, consult the [Setup](#) (tab) section of this manual.
19. If an Alcorn McBride V-Page panel is used with this paging station, navigate to the **V-Page** tab and complete the following steps under **V-Page Setup**. Note that each V-Page requires two IP addresses, one for control and one for Audio.
 - a. Select the **Control Interface** of the Q-SYS Core which is in the same subnet as the V-Page.

- b. Set the desired **Control IP Address**, **Control Subnet Mask** and **Control Gateway** of the V-Page.
- c. Set the **V-Page Name**. This will be used to name the Dante/AES67 stream.
- d. Set the **Audio Mode** to the correct mode, "AES67" or "Dante".
- e. On initial setup of the V-Page station it is necessary to setup the multicast flow in Dante Controller even when using AES67.
- f. Set **Audio DHCP** to "DHCP" or "Static" to configure the Audio IP address.
- g. If Audio DHCP is set to "Static", enter the desired **Audio IP Address**, **Audio Subnet Mask**, and **Audio Gateway** of the V-Page.
- h. Place the V-Page into Link Mode by pressing and holding buttons 1, 2 and 4 until the LEDs flash in a sequence. Press the **Link** button in TouchPage; this will command the V-Page to reboot and use the new IP address settings and stream name.
- i. Assign each V-Page button's **Function** to the corresponding TouchPage button. If no buttons have yet been configured, the Function dropdown will not have any selectable options. The V-Page button color will respect TouchPage's button color if it is green, orange, or red. If the TouchPage button color is any other color, V-Page will default to a green button.

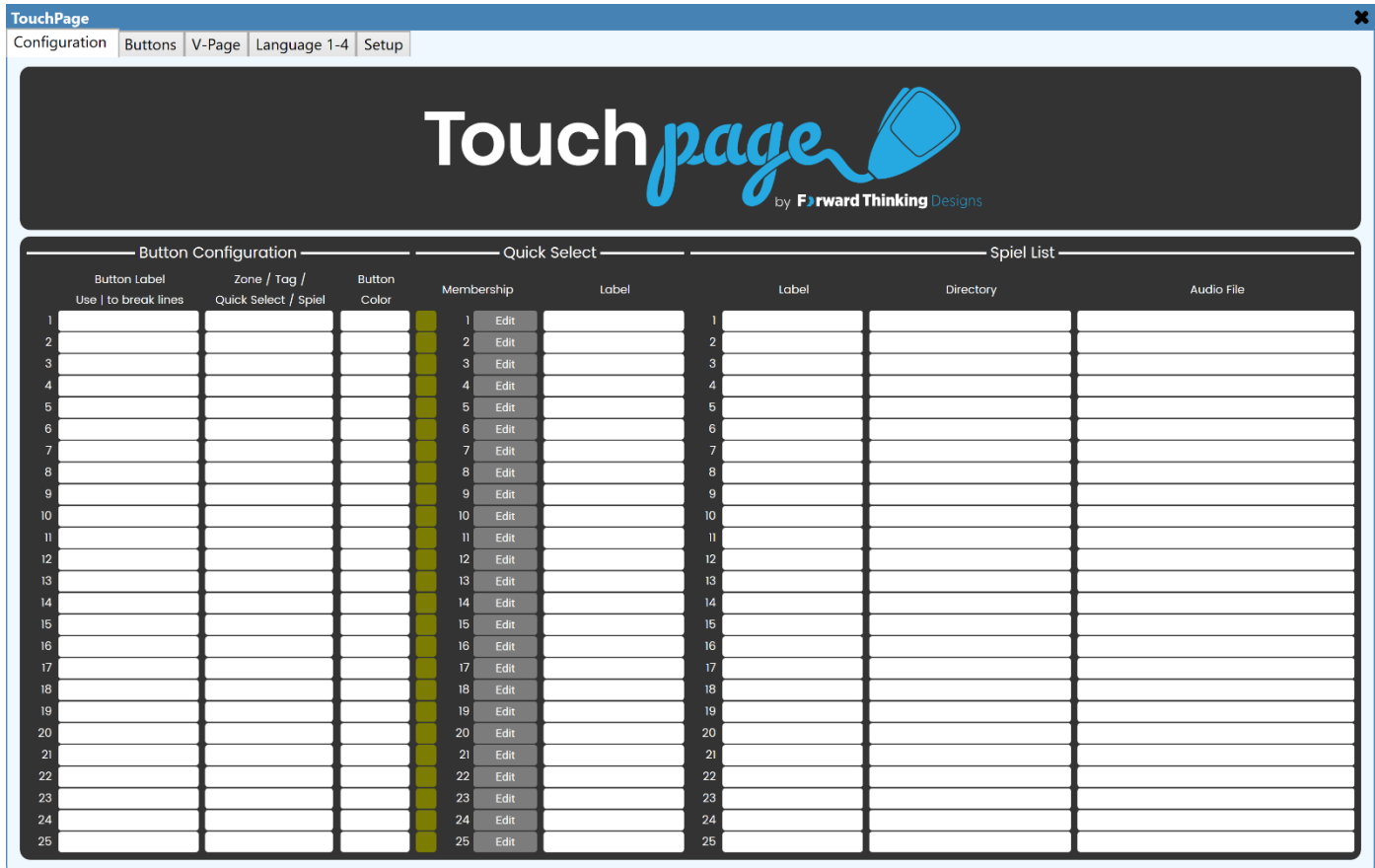
20. Next, navigate to the **Configuration** tab. The Configuration tab is separated into three columns: Button Configuration, Quick Select, and Spiel List.

- a. Under the **Spiel List**, repeat the following process to configure each required spiel:
 - i. Set the **Label** for the spiel to a user-friendly name. The Default value will be the name of the audio file.
 - ii. Set the **Directory** to the location of the spiel's audio file.
 - iii. Set the **Audio File** to the audio file to be played.
- b. Configure each button needed under the **Button Configuration** heading by repeating the following steps:
 - i. Assign the function of the button by setting **Zone / Tag / Quick Select / Spiel** to the desired value.
 1. -None-: Disables the button and removes it from the paging station.
 2. Zone: Sets the button to select a single paging zone. Zone names are configured in Q-SYS Administrator.
 3. Tag: Sets the button to select all of the zones in the selected Tag. A tag is a group of zones and is configured in Q-SYS Administrator.

4. Quick Select: Sets the button to select all of the zones in the selected Quick Select. A Quick Select is a group of Zones or Tags and is configured in TouchPage.
 5. Spiel: Sets the button to select or play the selected spiel. Note that a spiel button will not show on the UCI unless it has an associated audio file. If you would like to pre-make your UCI and your spiel audio files are not yet available, it is advised to use a placeholder audio file to configure the UCI.
 - ii. Set the **Button Label** to override the default text shown on the button.
 - iii. Set the Button Color to the desired color. The default value “-Theme” will follow the Button Color property.
 - c. Configure **Quick Select**. For each desired Quick Select, repeat the following steps:
 - i. Set the Quick Select **Label** to a user-friendly name.
 - ii. Under the **Membership** sub-column, click the **Edit** button to the left of the Label to enable editing.
 - iii. The yellow buttons to the right of the button configuration are the **Quick Select Enable** buttons. Each one corresponds to the Button directly to its left. Toggle the Quick Select Enable on (it will illuminate bright yellow) for each Button that should be part of that Quick Select. A button can only be added to a quick select if it is mapped to a Zone or Tag. Quick Selects and Spiels cannot be added as a member of a Quick Select.
 - iv. Refer to the instructions for configuring Buttons to assign the Quick Select to a UCI button.
21. **Custom Language Configuration** is accomplished from the Language tab(s). For each language to be supported, repeat the following steps:
- a. For each Status Message and Interface Label, in the relevant Language column paste or type in the translation for the phrase or label shown on the far-left.
 - b. For each Button Label, in the relevant Language column paste or type in the translation for the label to be displayed on the correlating Button.
 - c. The current Language is selected using the Custom Language Selection Buttons on the Setup tab.
22. Congratulations, TouchPage is now ready to use!

CONTROLS

Configuration



Button Configuration (for each)

Button Label – Assigns a friendly name to the button. If no value is entered, defaults to the value of Zone / Tag / Quick Select / Spiel. The “|” (pipe) character inserts a line break in the button label.

Zone / Tag / Quick Select / Spiel – Determines and assigns the button function.

- **Zone** assigns the button to a single paging zone.
- **Tag** assigns the button to a paging group defined by a Tag. Tags are defined in Q-SYS™ Administrator.
- **Quick Select** assigns the button to a Quick Select group. A Quick Select group is defined on the Configuration screen, and can include Zone buttons, Tag buttons, or both. Quick Selects cannot include Spiels or other Quick Selects.
- **Spiel** assigns the button to a Spiel from the Spiel List.

Selection Color – Determines the button color. Default value is “-Theme-”, which is configured in the Properties panel.

Quick Select (for each)

Membership – Edits Quick Selects. The **Quick Select Enable** is the yellow LED in the left column, and the **Quick Select Edit** is the button labeled “Edit” in the right column.

- **Quick Select Enable** is only available when a Quick Select Edit is active. Toggles the associated button’s membership in the Quick Select currently being edited.
- **Quick Select Edit** –Toggles editing of the Quick Select.

Label – Assigns a friendly name to the Quick Select for easy identification.

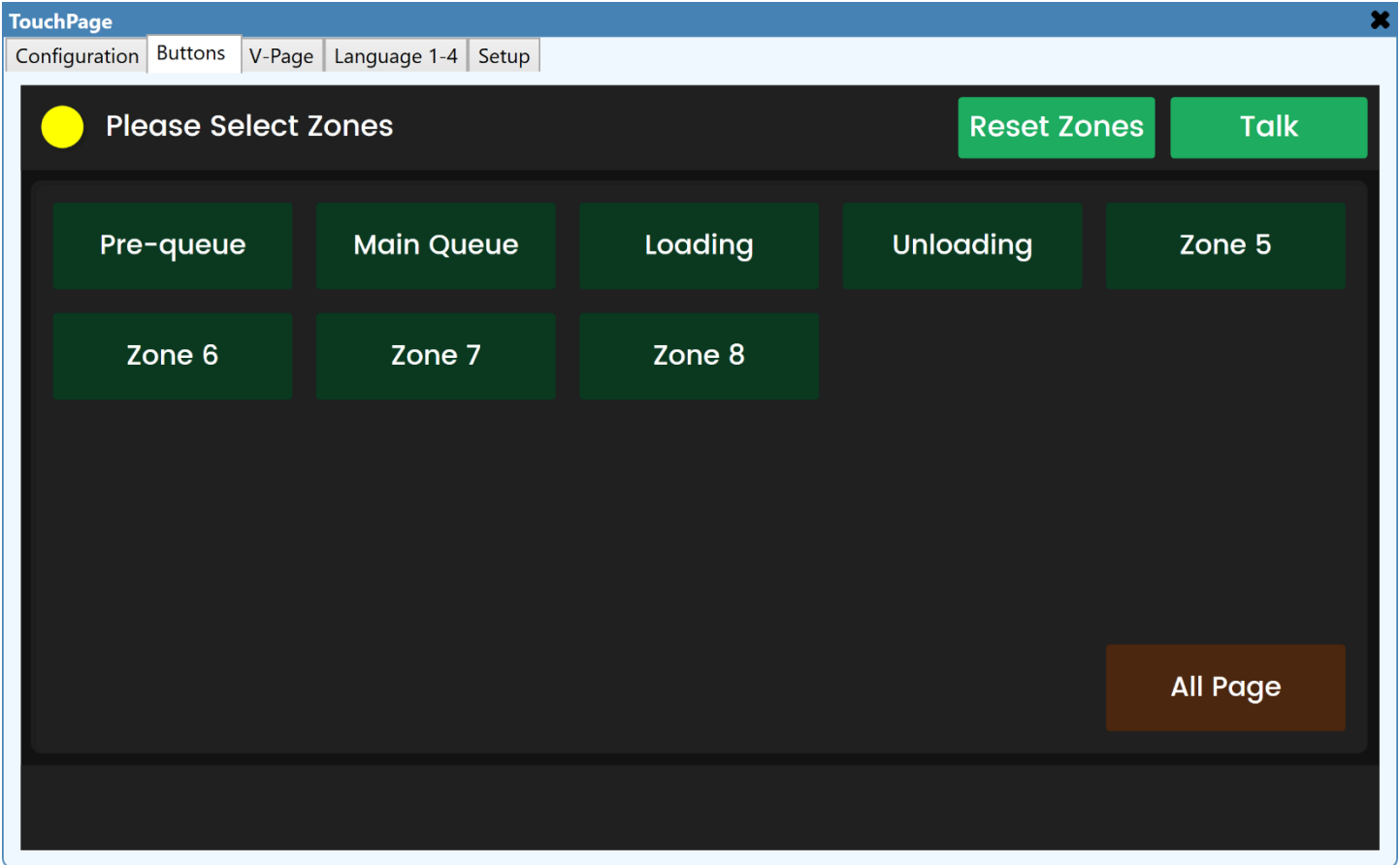
Spiel List (for each)

Label – Assigns a friendly name to the spiel for easy identification.

Directory – Filters the audio file choices to a single directory.

Audio File – The name of the file to be played.

Buttons



Status Box – Indicates the status of TouchPage.

Reset Zones – Clears all currently selected buttons.

Talk (Instant mode) – Initiates a page action. If the Spiel playback mode is “Radio”, this will change to “Play”.

Play (Radio mode) – Initiates a page action. If the Spiel playback mode is “Instant”, this will change to “Talk”. If a spiel is currently playing, this will change to “Stop”.

Stop (Radio mode) – Stops a spiel that is playing. If no spiel is currently playing, this will change to “Play”.

Zone / Tag / Quick Select / Spiel (for each)

Each Button varies in appearance and in function, depending on configuration options.

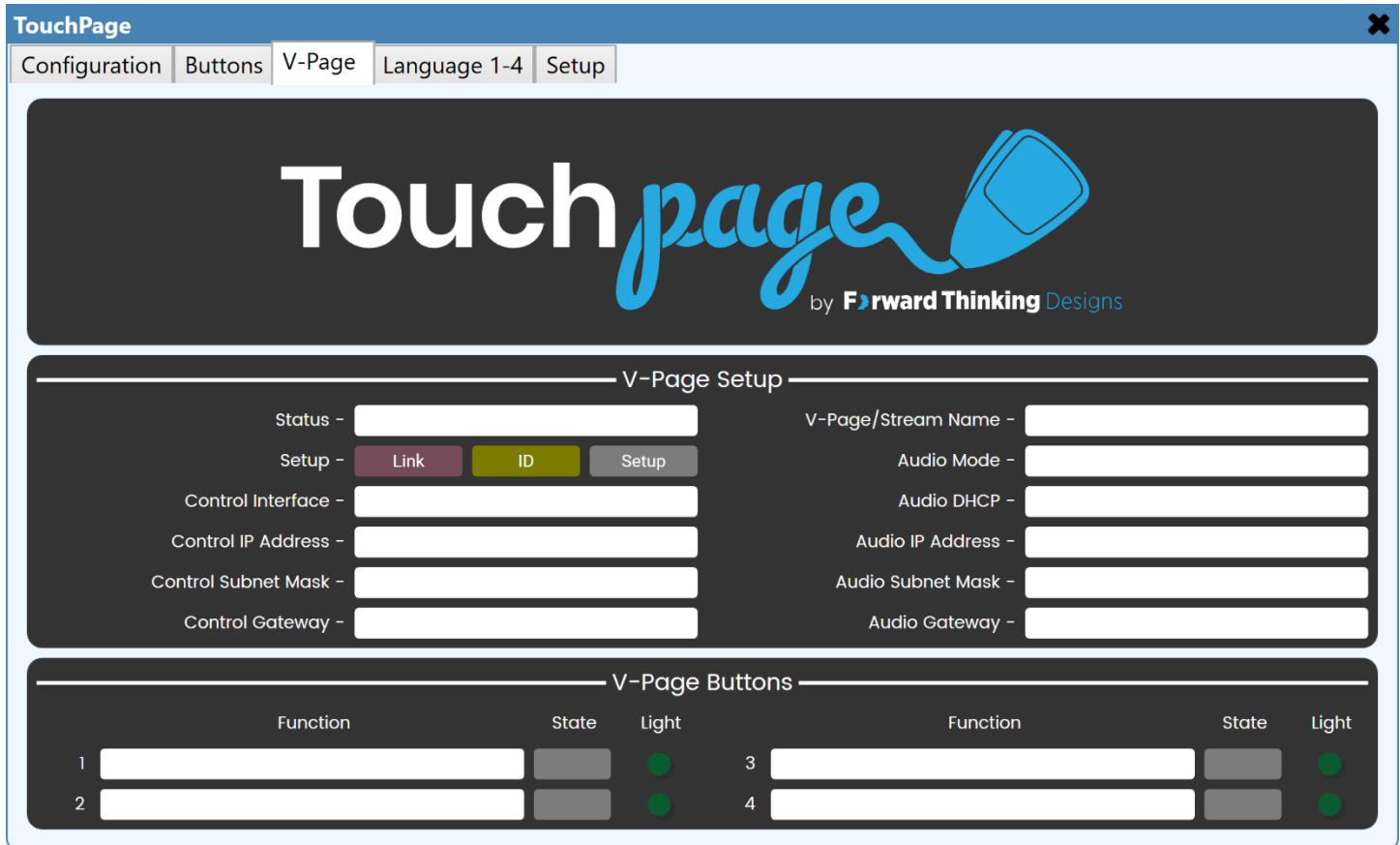
Zone Button – Selects the zone named on the button.

Tag Button – Selects zones based on Tags. Tags are defined in Q-SYS™ Administrator.

Quick Select Button – Selects zones based on Quick Select groups. Quick Select groups are defined under the Configuration tab.

Spiel Button – Select/play the associated spiel to selected zones. In Radio mode the spiel must be selected and then the Play button pressed to play the spiel. In Instant mode, as soon as the spiel button is pressed the spiel begins playing and pressing the spiel button again while the spiel is playing will stop the spiel playback.

V-Page



V-Page Setup

Status – Shows connection status to V-Page

Setup – Utility buttons useful for connecting to V-Page.

- **Link** – Links the V-Page panel at the designated network address to TouchPage. The V-Page panel must be in Link Mode.
- **ID** – Identifies the V-Page at the designated network address by flashing the V-Page panel's indicator lights.
- **Setup** – Resets the station/audio stream name.

Control Interface – The Q-SYS™ Core's network interface being used to connect to V-Page.

Control IP Address – Network address of the V-Page panel.

Control Subnet Mask – Subnet mask of the V-Page panel.

Control Gateway – Network gateway for the V-Page panel, if applicable.

V-Page Name – Network name for the V-Page panel. This is used to name the Dante/AES67 stream.

Audio Mode – Select between Dante or AES67 audio protocol.

Audio DHCP – Select V-Page audio IP address configuration to DHCP or static.

Audio IP Address – Network address of the V-Page audio interface.

Audio Subnet Mask – Subnet mask of the V-Page audio interface.

Audio Gateway – Network gateway for the V-Page audio interface, if applicable.

V-Page Buttons (for each)

Function – Maps the V-Page panel button to a TouchPage button or breakaway/standalone button.

State – Shows the current state of the V-page panel button.


Light – Shows current state of V-Page panel indicator.

Language

The Language tab is only available if the Custom Language Config property is set to "Yes".

TouchPage
✕

Configuration
Buttons 1
V-Page
Language 1-4
Setup



Status Messages				
	Language 1	Language 2	Language 3	Language 4
Please Select Zones	请选择区域			
Page Complete	寻呼完毕			
Ready To Page	可寻呼			
Zones Not Ready For Page	区域尚未就绪, 不能寻呼			
Zones Not Ready, Please Wait	区域尚未就绪, 请等待			
Page Active, Speak Now	寻呼启动, 现在讲话			
Page Cancelled	寻呼已取消			
Page Time Expired	寻呼已超时			
Page Interrupted By Another Station	受另一站台干扰, 寻呼中断			
Playing Preamble...	开场白播放中.....			
Spiel Ready, Press PLAY	广播通知已就绪, 按播放键			
Spiel Will Be Queued, Press PLAY	广播通知将加入队列, 按播放键			
Spiel Complete	广播通知完毕			
Spiel Queued, Waiting To Play	广播通知已加入播放队列, 等候中			
Spiel Cancelled	广播通知已取消			
Spiel Interrupted By Another Station	受另一站台干扰, 广播通知中断			
Playing Spiel	广播通知播放中			
Spiel File Is Missing Or System Fault	广播通知文件缺失或系统故障			
Emergency Input Active, Paging Disabled	应急输入启动, 寻呼停用			

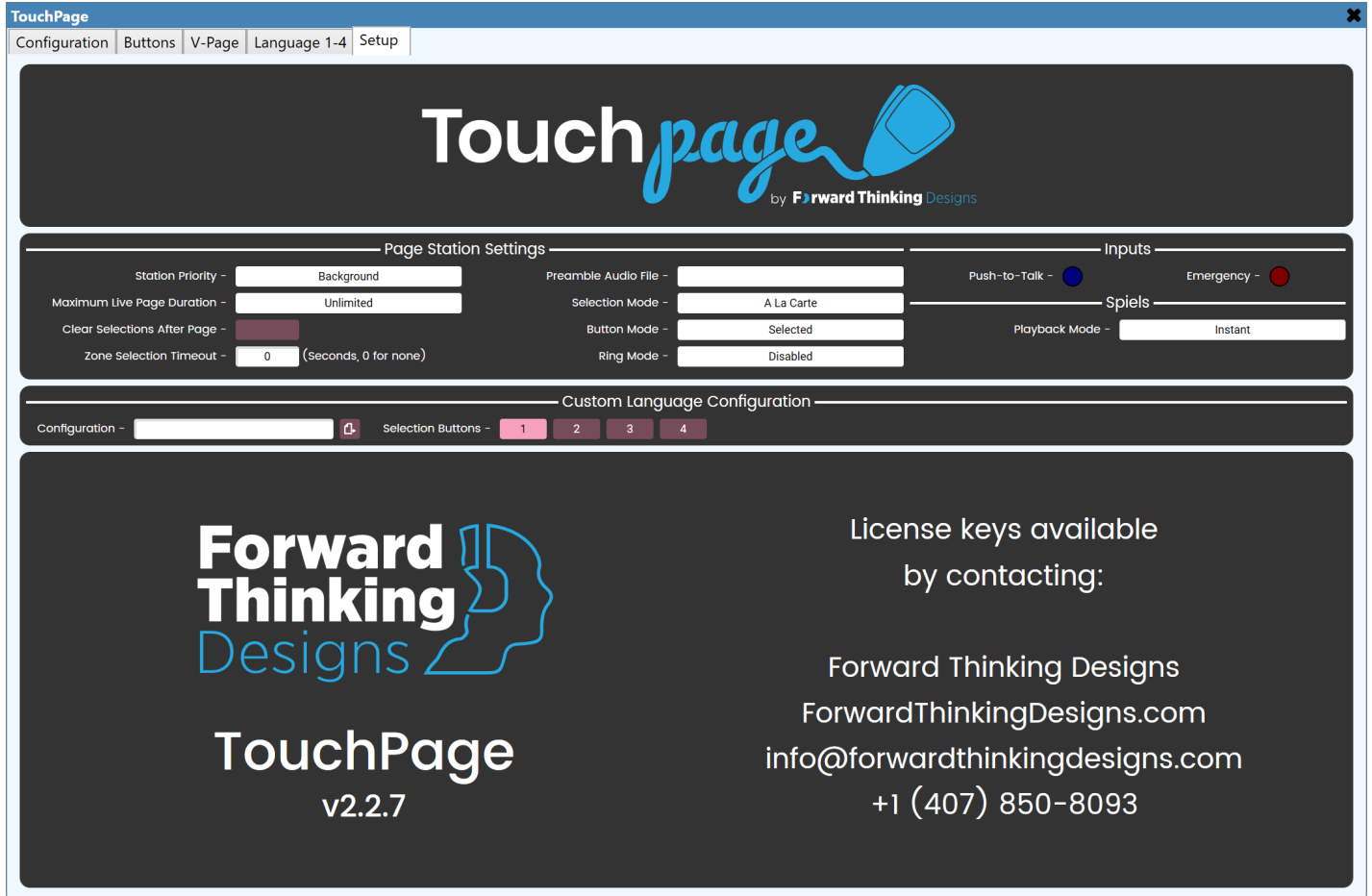
Interface Labels				
Play	播放			
Stop	停止			
Reset Zones	区域重置			
Talk	讲话			

Button Labels				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

Status Messages, Interface Labels, Button Labels (for each)

[Text Field] – Under each Language (#) column, there is a list of text entry fields corresponding to the English language label in the far-left column. If a text field is left blank, the status message displayed will default to the English language label.

Setup



TouchPage
by **Forward Thinking Designs**

Page Station Settings

Station Priority - Preamble Audio File -

Maximum Live Page Duration - Selection Mode -

Clear Selections After Page - Button Mode -

Zone Selection Timeout - (Seconds, 0 for none) Ring Mode -

Inputs

Push-to-Talk - Emergency -

Spells

Playback Mode -

Custom Language Configuration

Configuration - Selection Buttons -

Forward Thinking Designs

TouchPage
v2.2.7

License keys available
by contacting:

Forward Thinking Designs
ForwardThinkingDesigns.com
info@forwardthinkingdesigns.com
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Page Station Settings

Station Priority – The Q-SYS™ paging priority for TouchPage.

Maximum Live Page Duration – Maximum length of live pages.

Clear Selections After Page – Deselects all zones after a page has finished.

Zone Selection Timeout – Automatically clear button selections if no page has been initiated within this timeout.

Preamble Audio File – Choose an audio file to play before every page.

Selection Mode – Choose button selection modes.

- “A La Carte”: Zones and Quick Selects can be selected independent of each other. If a Quick Select is selected, its member zones are selected but are not shown as highlighted. Toggling the member zones has no effect.

- “Mix Minus”: Zones and Quick Selects are selected interactively with each other. If a Quick Select is selected, its member zones are selected and are shown as highlighted. Deselecting a member zone will leave the other zones selected but will deselect the Quick Select group. Selecting all the member zones of a Quick Select group will select that Quick Select group.

Button Mode – Determine button light behavior.

- “Selected”: The button will light up when this instance of TouchPage has selected the associated zone.
- “Active”: The button will light up if the associated zone is occupied by another paging station.
- “Flashing”: The button will flash slow (~every 2 sec.) if occupied by a lower priority paging station and fast (~2x per sec.) if occupied by a higher priority paging station.

Ring Mode – Determine ring (indicator) light behavior.

- “Disabled”: The ring will not light up.
- “Squelch Complete”: The ring will light up if EVERY zone in the Tag or Quick Select is squelched. A zone that is squelched will not be paged.
- “Squelch Partial”: The ring will light up if ANY zone in the Tag or Quick Select is squelched. A zone that is squelched will not be paged, but zones that are not squelched will still be paged.
- “Selected”: The ring will light up when selected.
- “Active”: The ring will light up if the associated zone is occupied by another paging station.
- “Flashing”: The ring will flash slow (~every 2 sec.) if occupied by a lower priority paging station and fast (2x per sec.) if occupied by a higher priority paging station. |

Inputs

Push-to-Talk – Shows the status of live/voice paging. Also functions as GPIO.

Emergency – Shows status of emergency page. Also functions as GPIO. When triggered, for instance by a fire alarm, the paging station will be disabled.

Spiels

Playback Mode – Select Instant or Radio mode for playback.

- In **Instant** mode, spiels play as soon as their button is pressed.
- In **Radio** mode, a spiel is selected when its button is pressed, and selected spiels are played when the Play button is pressed.

Custom Language Configuration

Configuration – This text field contains the language configuration in JSON format. The contents of a valid JSON string created by the Export button (mentioned below) can be pasted into this text field to quickly configure language strings for TouchPage.

Export – Exports the current language strings to a JSON format text string which can be copied from Q-SYS Designer. This file can be imported into the Configuration text field (mentioned above) by pasting the contents, which will quickly configure language strings for that instance of TouchPage.

Selection Buttons – Select active custom language configuration. These buttons can be added to the UCI to change the active language.

APPENDIX A: CONTROL PINS

Button (for each)

Pin Name	Control Type	Value Range	Pin Direction
Button	Button – Toggle		Input / Output
Color	Text	String	Output
Label	Text	String	Output
LED	Indicator – LED		Output
Selection	Text	String	Output

Language

Pin Name	Control Type	Value Range	Pin Direction
Configuration	Text	String	Input / Output
Export	Button – Momentary		Input / Output
Select (for each)	Button – On		Input / Output

Spiel (for each)

Pin Name	Control Type	Value Range	Pin Direction
Directory	Text	String	Input / Output
File	Text	String	Input / Output
Label	Text	String	Input / Output

V-Page

Button (for each)

Pin Name	Control Type	Value Range	Pin Direction
Function	Text	String	Input / Output
Light	Button – Toggle		Input / Output
State	Button – Momentary		Output

Setup

Pin Name	Control Type	Value Range	Pin Direction
Audio DHCP	Text	String	Input / Output
Audio Gateway	Text	String	Input / Output
Audio IP Address	Text	String	Input / Output
Audio Mode	Text	String	Input / Output
Audio Subnet Mask	Text	String	Input / Output
Control Gateway	Text	String	Input / Output
Control Interface	Text	String	Input / Output
Control IP Address	Text	String	Input / Output
Control Subnet Mask	Text	String	Input / Output
ID	Button – Trigger		Input / Output
Link	Button – Trigger		Input / Output
Name	Text	String	Input / Output
Setup	Button – Trigger		Input / Output

All

Pin Name	Control Type	Value Range	Pin Direction
Status	Indicator – Status		Output

General

Pin Name	Control Type	Value Range	Pin Direction
Button Mode	Text	Selected, Active, Flashing	Input / Output
Clear After Page	Button – Toggle		Input / Output
Clear After Timeout	Knob – Integer	0 – 86400	Input / Output
Disable			Input / Output
Emergency	Button – Toggle		Input / Output
Play Spiel	Button – Momentary		Input / Output
Preamble File	Text	String	Input / Output
Push-to-Talk	Button – Momentary		Input / Output
Refresh Configuration	Button – Trigger		Input / Output
Reset Zone Selection	Button – Momentary		Input / Output
Ring Mode	Text	Disabled, Squelch Complete, Squelch Partial, Selected, Active, Flashing	Input / Output
Selection Mode	Text	A La Cart, Mix Minus	Input / Output
Spiel Mode	Text	Instant, Radio	Input / Output
Station Max Live Duration	Text	Unlimited, 30 Seconds, 60 Seconds, 90 Seconds, 120 Seconds, 240 Seconds	Input / Output
Station Priority	Text	String	Input / Output
Stop Spiel	Button – Momentary		Input / Output
Zone Status	Text	String	Output

SUPPORT

For plugin support and feedback please contact us at:

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LICENSE

Use of this plugin is contingent on your acceptance of our Plugin Software License Agreement. This license agreement is available to view at:

ForwardThinkingDesigns.com/license