



Elaho Inspire Stations

Programming Guide

Echo Protocol Version 3.1

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Introduction

Welcome to the Elaho® Inspire Station Programming Guide. This document will guide you in the programming and configuration of your Elaho Inspire Stations, including the 1-button, 2-button, 4-button, 6-button, 8-button, and the 4-button with fader station.

This guide is intended for use after station installation; therefore the content of this document is targeted at programming the configuration and features of the station only.

For detailed information regarding installation, please reference the Elaho Inspire Station Installation Guide available for download on the Echoflex website echoflexsolutions.com.

For detailed information regarding the configuration of the Inspire station using ElahoAccess, reference the ElahoAccess Mobile App integrated help system.

Document Conventions

This document uses the following convention to draw your attention to important information.



Note: Notes are helpful hints and information that is supplemental to the main text.

Echoflex's user documents are designed for printed or electronic use. However, there are many advantages to using the electronic (.PDF) versions. In addition to the benefits of a PDF (such as word search, bookmarks, and commenting tools) you can click on headings in the Table of Contents and jump to the desired page.

Throughout this document, any cross-references (indicated in blue like this: [DIP Switch Settings on page 40](#)) are links that may be clicked to jump to the specific part of the manual. All of Echoflex's documents are available for free download from our website echoflexsolutions.com.

Please email comments about this manual to: TechComm@etconnect.com.

Help from Technical Services

If you are having difficulties, your most convenient resources are the references given in this document. To search more widely, try the Echoflex website at echoflexsolutions.com. If none of these resources are sufficient, contact Echoflex Technical Services directly at one of the offices identified below.

When calling for help, take these steps first:

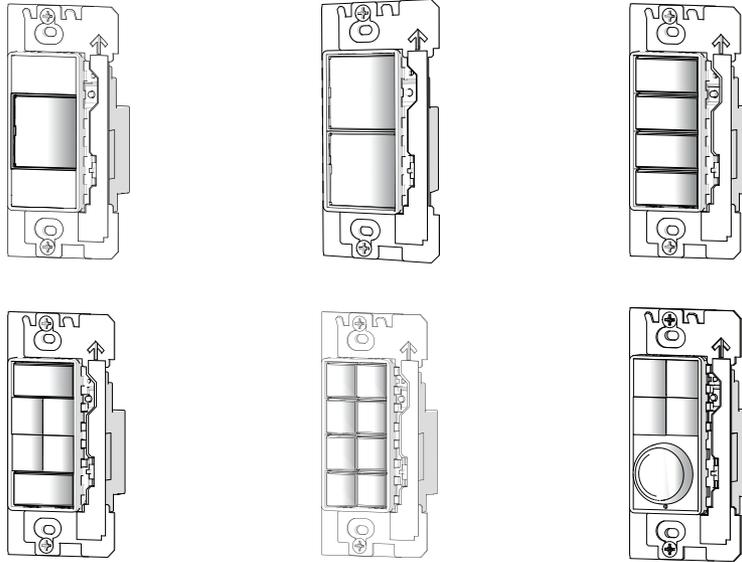
- Prepare a detailed description of the problem
- Go near the equipment for troubleshooting
- Find your notification number if you have called in previously

Echoflex

38924 Queensway Unit #1
Squamish, British Columbia
Canada, V8B 0K8
888-324-6359 (toll-free)
+1-778 733-0111
info@echoflexsolutions.com

Overview

Elaho Inspire stations provide preset, zone, space combine, and color controls for use with Elahocontrol systems only.

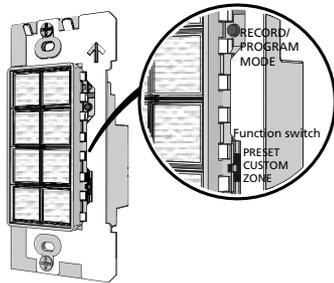


Reference [Station Functionality on page 14](#) for detailed information about each station type and its possible function settings, or download the Inspire Station data sheet located on the Echoflex website echoflexsolutions.com for the complete listing including model and ordering information.

This programming guide is provided to detail the basic functions of the Inspire stations. For more detailed information about the custom configuration options using ElahoAccess, reference the ElahoAccess Mobile App integrated help system.

Station Configuration

The Elaho Inspire Station has on-board switch and button settings that are available from the front of the station when it is installed and the cover is removed.



Record/Program Mode

The [RECORD/PROGRAM MODE] button provides access to record and program settings. The associated LED indicates mode status.

Function switch

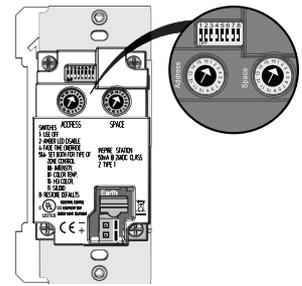
The Function switch determines how the controls of the station function. It has behavior settings of Preset, Custom, and Zone.

Rotary and DIP Switches

Additional rotary and DIP switch settings are accessible on the rear of the station.

These settings typically are made prior to final installation of the station. Reference [Rotary Switch Assignments](#) and [DIP Switch Settings on page 40](#) for more information.

Also reference the Elaho Inspire Station Installation Guide for detailed information regarding these switches and settings.



Function switch: Preset

Setting the Function switch to Preset (the highest switch setting) on an Inspire Station allows you to perform preset related actions such as preset toggle, Off, record (snapshot levels), space raise / lower, and sequence control (1 button station only).

Preset Toggle

Preset toggle control functionality allows you to toggle the preset on and off by pushing the assigned preset button or fader knob.

- A single button push activates / deactivates the preset that is assigned to that button using a two second fade time.
- A double button push activates / deactivates the preset that is assigned to that button using a 1/2 second fade time.



Note: A double-tap of any preset button will toggle the configured preset using a 1/2 second fade time for quick preset recall.

When a preset is active, the button LED lights blue to indicate its active state. If preset levels are altered while the preset is still active, the related button LED will return to its default state, either off or amber. Reference [DIP Switch Settings on page 40](#).

Use Off

“Use Off” functionality enables the last button on the station with a dedicated space off action.

- A single push of the “Off” button will set the level of all zones to zero using a 2 second fade time.
- A double push of the “Off” button will set the level of all zones to zero using a 1/2 second fade time.

Use “Off” functionality is enabled when DIP switch 1 is set to On. Reference [DIP Switch Settings on page 40](#).



Note: *The 1 button station does not support “Use Off” functionality.* Reference [DIP Switch Settings](#).

Preset Mode Raise / Lower

Raise and lower levels for all zones in the space using the assigned station buttons or fader knob (determined by the station type). Reference the appendix for the station type you are configuring for complete details.

- Push and hold the assigned raise / lower station button to raise or lower the intensity level of all zones in the space.
- Rotating the fader knob will raise or lower the intensity level of all zones in the space.

Sequence Control

Sequence control is available using the 1 button station in conjunction with Echoflex power control products that support sequences.

DIP switch 1 must be set to the On position to enable sequence mode. For more information [DIP Switch Settings on page 40](#).

In sequence mode, pressing the station button will toggle the sequence for the selected space (i.e. activate the sequence if it is inactive or deactivate it if it is active). Reference the related power control product user documentation for the products in your system for more information.

Function switch: Custom

Setting the Function switch to Custom (the middle switch setting) allows for varied features either with or without ElahoAccess, although the presence of ElahoAccess in the control system allows for an expanded feature set for Inspire stations.

With ElahoAccess

ElahoAccess provides complete customization of the Inspire station when it is in Custom control mode. For more information on the configurable device parameters and actions available, reference the ElahoAccess Mobile App integrated help system.



Note: *Changes made in ElahoAccess impact the Custom Function switch setting of the Inspire stations only. Preset and Zone Function switch settings remain unaffected by changes made while using ElahoAccess configuration tools.*

Without ElahoAccess

By default the Custom Function switch setting on an Elaho Inspire Station provides behavior that extends the Zone Function switch setting behaviors for control of more Zones.

For example, on an 8 button station, Zone control mode defaults to zones 1 through 6. Setting the station in Custom control mode, by default, provides access to zones 7 through 12.

Function switch: Zone

Setting the Function switch to Zone (the lowest switch setting) on an Inspire Station allows you to manually control the level of a zone using on / off and raise / lower functionality.



Note: When the station is placed in Zone control mode, the raise level button LED lights in dim blue and the lower level button LED lights in dim amber. This button assignment is determined by the station type. Reference [Station Functionality on page 14](#).

Zone Selection

Zone selection allows the control of individual zones using raise / lower functionality. Zone selection is only available for the 4, 6, 8 and 4-button with fader stations. The 1 and 2-button stations are single zone control only.

While the Function switch is set to Zone, the station provides visual indication of its current zone selection with backlit button LEDs. When a zone is un-selected the associated button will have no LED indication.

To select a zone, push the Zone button. The button will illuminate in blue to indicate selection. Once a zone is selected, raise / lower functionality for only that zone is possible.

Reference [Zone Raise / Lower](#) for more information.

Zone Toggle

While the Function switch is set to Zone, the station allows you to toggle the zone on and off most commonly by double-tapping the Zone button. The controlled zone level raises to full or toggles off using a 1/2 or 2 second fade time, depending on the station type. Reference [Station Functionality on page 14](#) for more information.

Space Toggle (4 button with fader station only)

With no zones selected, toggle the levels for all zones in the space using the fader knob.

- A single push of the fader knob toggles all zone levels in the space to full or off, depending on the current state of the space, using a 2 second fade time.
- A double-tap of the fader knob toggles all zone levels in the space to full or off, using a 1/2 second fade time.



Note: A double-tap of any Zone button will toggle the configured zone using a 1/2 second fade time for quick access to lighting level extents.

Zone Raise / Lower

Raise and lower the selected zone level using the assigned raise and lower station controls. Each station type has configured raise and lower controls. Reference [Station Functionality on page 14](#) for the station type you are configuring for complete details.

Zone Raise / Lower from a Button

With a Zone Selected

The selected zone button LED lights blue to indicate its active state.

- A single push of the raise or lower button increments/decrements the level.
- Push and hold the raise or lower button to fade the level gradually.
- A double-tap of the raise or lower button toggles the level to full or off in a 1/2 second fade.

With No Zone Selected

With no zone selected, raise and lower button functionality modifies the intensity level for all zones in the space.

- A single push of the raise or lower button increments/decrements the intensity level for all zones in the space.
- Push and hold the raise or lower button to fade the level gradually, altering the intensity level for all zones in the space.
- A double-tap of the raise or lower button toggles the intensity level to full or off for all zones in the space, using a 1/2 second fade.

Zone Raise / Lower from a Fader (4 button with fader station only)

With a Zone Selected

With a zone selected, the selected zone button LED lights blue to indicate its active state. Use the fader knob to raise / lower the selected zone intensity.

- A clockwise rotation of the fader increases zone intensity.
- A counter-clockwise rotation decreases zone intensity.

The fader knob indicates with a blue LED halo the zone intensity level as it is raised and lowered.

- A level at full will indicate with a complete halo around the fader knob
- Levels between full and 1% indicate proportionately
- When the level is off (level zero), no halo shown but an amber LED illuminates at the 6 o'clock position.

With No Zone Selected

With no zone selected, the fader knob modifies the intensity for all zones in the space.

Color Control Mode (4 button with fader station only)

Color Control functionality allows the Inspire 4 button with fader station to control patched LED zones on an Elaho DMX Scene Controller.

To enable Color Control on a 4 button with fader station:

- First, set DIP switches 5 and 6 according to the desired color mode. Reference [DIP Switch Settings on page 40](#).
- Next, set the Function switch to Zone.



Note: Color Control mode does not affect the station when the Function switch is set to Preset or Custom.

- Reference the DMX Scene Controller Installation Guide for setup.

With a Color Zone Selected

With a color zone selected, the selected zone button LED lights blue to indicate its active state. Use the fader knob to modify the selected zone parameters according to the control setting.

HSI Color Mode Select

Set DIP switch 5 On and 6 Off. Pushing the fader knob button will cycle through three modes, where each push selects the next mode in a repeating fashion. Modes are: intensity, saturation, and hue.

Intensity

When the fader knob is controlling intensity, the 6 o'clock amber dot will be lit. As the intensity increases or decreases, the fader knob halo indicates intensity level.

- A clockwise rotation of the fader increases zone intensity.
- A counter-clockwise rotation decreases zone intensity.

Saturation

Saturation mode has a 0-100% range. As the saturation increases or decreases, the fader knob halo indicates its level.

- A clockwise rotation of the fader increases zone color saturation.
- A counter-clockwise rotation decreases zone color saturation (fully de-saturated is white light).

Hue

Hue mode has a 0-360 degree range. As the hue increases or decreases, the fader knob halo indicates its position. Considering a color wheel, red would be at the 12 o'clock position and cyan at 6 o'clock.

- Rotation of the fader changes the hue of the zone color.

Color Temp Mode Select

Set DIP switch 5 Off and 6 On. Pushing the fader knob button will cycle through two modes, where each push selects the next mode in a repeating fashion. Modes are: intensity and color temperature.

Intensity

When the fader knob is controlling intensity, the 6 o'clock amber dot will be lit. As the intensity increases or decreases, the fader knob halo indicates intensity level.

- A clockwise rotation of the fader increases zone intensity.
- A counter-clockwise rotation decreases zone intensity.

Color Temp

Color temp values are indicated on the fader station from 0-100% with the 50% level shown by displaying two LEDs at the 12 o'clock position.

- For a warmer color temp, rotate the knob counter-clockwise from 12 o'clock position (50%) toward the 6 o'clock (0%) position.
- For a cooler color temp, rotate the knob clockwise direction from the 12 o'clock position (50%) toward the 6 o'clock (100%) position.

Studio Mode Select

Studio mode provides access to raise and lower intensity, color temp, and tint for ETC LED fixtures that support Studio mode using the fader knob for the selected zone.

Set DIP switch 5 and 6 On. Pushing the fader knob button will cycle through three modes, where each push selects the next mode in a repeating fashion. Modes are: intensity, color temperature, and tint.

Intensity

When the fader knob is controlling intensity, the 6 o'clock amber dot will be lit. As the intensity increases or decreases, the fader knob halo indicates intensity level.

- A clockwise rotation of the fader increases zone intensity.
- A counter-clockwise rotation decreases zone intensity.

Color Temp

Color temp values are indicated on the fader station from 0-100% with the 50% level shown by displaying two LEDs at the 12 o'clock position.

- For a warmer color temp, rotate the knob counter-clockwise from 12 o'clock position (50%) toward the 6 o'clock (0%) position.
- For a cooler color temp, rotate the knob clockwise direction from the 12 o'clock position (50%) toward the 6 o'clock (100%) position.

Tint

Tint values are indicated on the fader station from 0-100% with the 50% level shown by displaying two LEDs at the 12 o'clock position.

- For a greener tint, rotate the knob counter-clockwise from 12 o'clock position (50%) toward the 6 o'clock (0%) position.
- For a more magenta tint, rotate the knob clockwise direction from the 12 o'clock position (50%) toward the 6 o'clock (100%) position.

Record/Program Mode

Program mode allows adjustment of the consecutive range of presets and zones assigned to the station by allowing you to set the starting preset or zone, respectively. Enter Program mode by pressing and holding the **[Record / Program mode]** button for three seconds.

The Function switch determines whether edits are made to the consecutive range of presets or zones. Program adjustment is not available while in Custom Mode. In the case of the 4-button station, the DIP switch selection also determines what is programmed to the station.

Record allows snapshot of all current output levels into the designated preset for playback. Reference [Record Preset below](#).



Note: Program mode only affects station behaviors when the Function switch is set to Preset or Zone, and does not affect Custom.

Program Preset Start

1. Set the station Function switch to its highest position of Preset.
 2. Press and hold the **[Record / Program mode]** button for three seconds to enter Program mode. The “Mode” LED illuminates (steady amber) and the first preset button LED for the station flashes the current (first) preset controlled. (For example, if the first preset controlled is preset 3, the button LED will flash 3 times.)
 3. Push any station button to increase the starting preset number by one, the count always begins at 1. The station will update the LED indication, flashing the LED to reflect the new preset number. (For example, pushing the station button eight times will set the first preset for the station to preset 8). All station preset controls will be consecutively assigned beginning with the specified count.
 4. When the desired preset number is set, press and release the **[Record / Program mode]** button to save the new setting. The “Mode” LED turns off and the station LEDs will display the new setting before returning to normal operation.
-



Note: To change the preset button assignment to a lower number than what is currently set, exit Program mode then reenter Program mode. The steps of exiting and reentering Program mode restart the preset count at 1.

Record Preset

Elaho Inspire Stations provide recording (snapshot) of presets using the current output levels for the controlled zones in the space. The station must be set up for Preset control prior to recording.

1. Press the **[Record / Program mode]** button, an amber LED will blink during a 10 second record period.
2. Push the button of the preset control you would like to record (snapshot). This stores current levels to the designated preset, exits record mode, and activates the newly recorded preset.

Program Zone Start

1. Set the Function switch to its lowest position of Zone.
2. Press and hold the **[Record / Program mode]** button for three seconds to enter Program mode. The "Mode" LED illuminates (steady amber) and the first zone control button LED flashes the current (first) zone controlled. (For example, if the first zone controlled is zone 5, the button LED will flash 5 times.)
3. Push any station button to increase the starting zone number by one, the count always begins at 1. The station will update the LED indication, flashing the LED to reflect the new zone number. (For example, pushing the station button three times will set the first zone for the station to zone 3). All station zone controls will be consecutively assigned beginning with the specified count.
4. When the desired zone number is set, press and release the **[Record / Program mode]** button to save the new setting. The "Mode" LED turns off and the station LEDs will blink the new setting before returning to normal operation

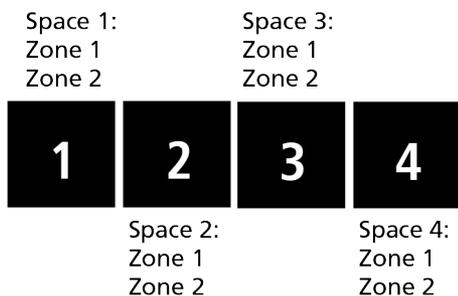


Note: *To change the zone button assignment to a lower number than what is currently set, exit Program mode then reenter Program mode. The steps of exiting and reentering Program mode start the zone start count back to 1.*

Space Combine (4-button only)

Placing the 4-button station (model # E1004) in space combine mode, accomplished by setting DIP switch 3 On, allows for combined control of multiple spaces. For more information on DIP switch settings, [DIP Switch Settings on page 40](#).

In space combine mode, the zones with the same number but in different spaces will respond identically when the spaces are combined. For example, consider a divisible meeting room with four spaces. Each space contains a number of independently controlled zones and control stations.



A 4-button station in space combine mode will control functionality changes as the room configurations change. The spaces that combine are determined by the function of the station, either Preset or Zone control.



Note: Before space combine functionality is possible, your connected system must have all of the spaces configured that you want to combine. In the example above, the system must be configured with four spaces in order to effectively combine their controls.

Combining Spaces

To combine control for spaces, push the button with the desired combination of spaces. Multiple combinations can be activated to control larger spaces. For instance if the button to combine 1 and 2 is pushed and the button to combine 2 and 3 is also pushed, then the controls for space 1, 2, and 3 will all function together to control the entire combined space and space 4 would be controlled separately.

Program Mode for Space Combine

Program mode behaves in a slightly different manner when the 4-button station is set to space combine mode.

1. Press and hold the **[Record / Program mode]** button for three seconds to enter Program mode. The "Mode" LED illuminates (steady amber) and the first space combine button LED flashes the current (first) space controlled. (For example, if the first combined space pair is space 3 & 4, the button LED will flash 3 times.)
2. Push any station button to increase the starting space combine pair number by one, the count always begins at Space 1. The station will update the LED indication, flashing the LED to reflect the new starting space pair number. (For example, pushing the station button eight times will set the first combined space pair for the station to Spaces 8 and 9). All station combined space pairs will be consecutively assigned to the controls beginning with the specified count.
3. When the desired space combine pair is set, press and release the **[Record / Program mode]** button to save the new setting. The "Mode" LED turns off and the station LEDs will display the new setting before returning to normal operation.



Note: To change the space combine pair assignment to a lower number than what is currently set, exit Program mode then reenter Program mode and the count will restart at 1.

Function Switch for Space Combine

The Function switch affects how the last button on the station behaves.

Function switch: Preset

When the function switch is set to Preset, the last button on the station will combine the last space with the first space assigned to the station.

3 & 4
4 & 5
5 & 6
6 & 3

Function switch: Zone

When the Function switch is set to Zone, the last button on the station will combine control for the next sequential space.

3 & 4
4 & 5
5 & 6
6 & 7

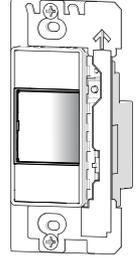
Station Functionality

This section provides detail for each stations function including its factory default settings, and each button default when the station function switch is set to Preset, Custom, and Zone.

- [*1-Button Station on the next page*](#)
- [*2-Button Station on page 18*](#)
- [*4-Button Station on page 21*](#)
- [*4-Button with Fader Station on page 26*](#)
- [*6-Button Station on page 31*](#)
- [*8-Button Station on page 34*](#)

1-Button Station

The 1-button Elaho Inspire Station offers control of a single preset or zone as determined by the Function switch setting.



Factory Defaults

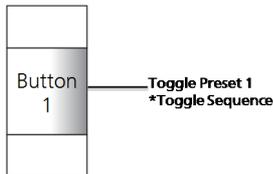
The 1-button Inspire Station ships from the factory in the following default settings:

- Rotary switches are set to Address 1, Space 1. Reference [Rotary Switch Assignments on page 40](#).
- All DIP switches are set to Off. Reference [DIP Switch Settings on page 40](#).
- With the Function switch set to Preset, Preset 1 is the default.
- With the Function switch set to Zone, Zone 1 is the default.

Preset

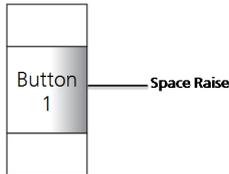
The 1-button station supports the following button actions:

Push



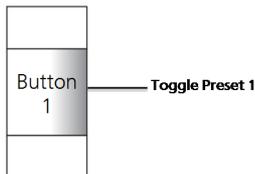
Note: When DIP switch 1 is On and the station Function switch is set to Preset, Sequence toggle mode is enabled (available on the 1-button station only). This feature allows the button to toggle the sequence associated in the configured space. Reference [DIP Switch Settings on page 40](#) for more information about DIP switches.

Hold



Double-tap

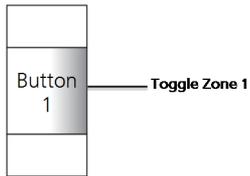
Double-tap the button to toggle the preset using a 1/2 second fade time.



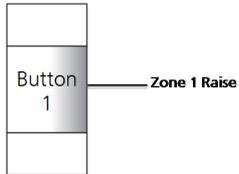
Zone

The 1-button station supports the following button actions:

Push

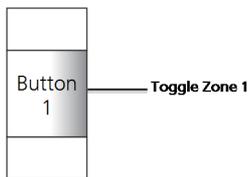


Hold



Double-tap

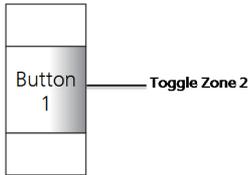
Double-tap the button to toggle the zone to its full or off, using a 1/2 second fade time.



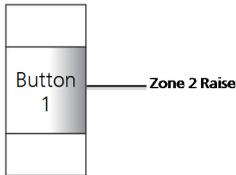
Custom

The 1-button station provides the following button actions by default before configuration using ElahoAccess:

Push

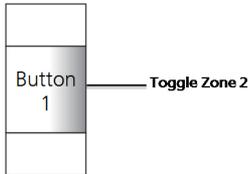


Hold



Double-tap

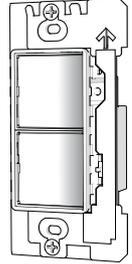
Double-tap the button to toggle the zone to its full or off, using a 1/2 second fade time.



Note: These are the default button actions for the station when the Function switch is set to Custom. For custom configuration using ElahoAccess, reference the ElahoAccess Mobile App integrated help system.

2-Button Station

The 2-button Inspire Station offers control of two presets or 1 zone as determined by the Function and DIP switch settings.



Factory Defaults

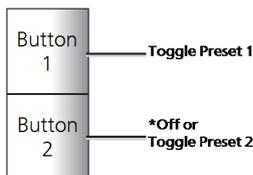
The 2-button Inspire Station ships from the factory in the following default settings:

- Rotary switches are set to Address 1, Space 1. Reference [Rotary Switch Assignments on page 40](#).
- DIP switch 1 is set to On, for "Use Off" functionality. All others are set to Off. Reference [DIP Switch Settings on page 40](#).
- With the Function switch set to Preset, Preset 1 is the default starting preset.
- With the Function switch set to Zone, Zone 1 is the default starting zone.

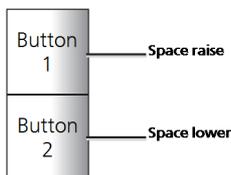
Preset

The 2-button station supports the following button actions:

Push

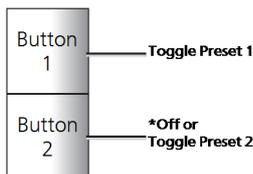


Hold



Double-tap

Double-tap the button to toggle the preset using a 1/2 second fade time.

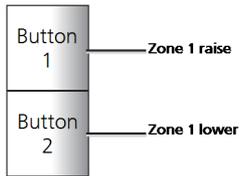


Note: DIP switch 1 is set to On by factory default, which reserves button 2 on the station for Off functionality. Reference [DIP Switch Settings on page 40](#) for instructions to change this default setting.

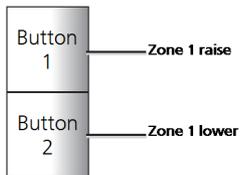
Zone

The 2-button station supports the following button actions:

Push

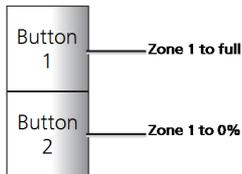


Hold



Double-tap

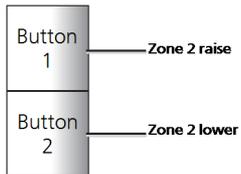
Double-tap the button to toggle the zone to its extents using a 1/2 second fade time.



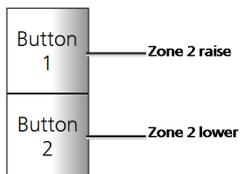
Custom

The 2-button station provides the following button actions by default before configuration using ElahoAccess:

Push

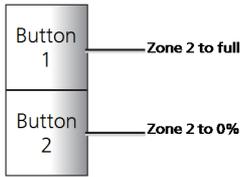


Hold



Double-tap

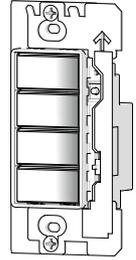
Double-tap the button to toggle the zone to its extents using a 1/2 second fade time.



Note: *These are the default button actions for the station when the Function switch is set to Custom. For custom configuration using ElahoAccess, reference the ElahoAccess Mobile App integrated help system.*

4-Button Station

The 4-button Inspire Station offers control of four presets or two zones, or space combine actions for up to five consecutive spaces as determined by the Function and DIP switch settings.



Factory Defaults

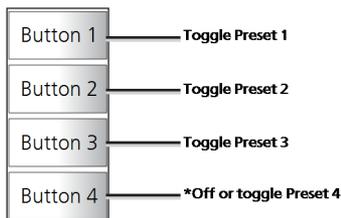
The 4-button Inspire Station ships from the factory in the following default settings:

- Rotary switches are set to Address 1, Space 1. Reference [Rotary Switch Assignments on page 40](#).
- DIP switch 1 is set to On, for "Use Off" functionality. All others are set to Off. Reference [DIP Switch Settings on page 40](#).
- With the Function switch set to Preset, Preset 1 is the default starting preset.
- With the Function switch set to Zone, Zone one 1 is the default starting zone.

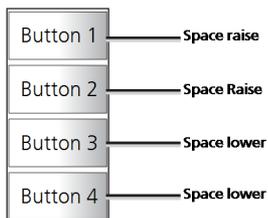
Preset

The 4-button station supports the following button actions:

Push

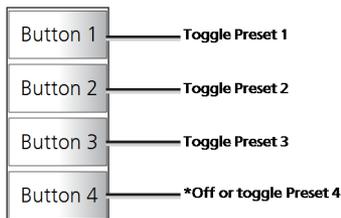


Hold



Double-tap

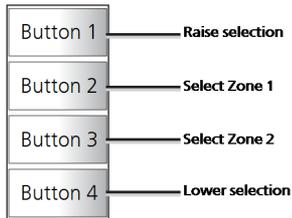
Double-tap the button to toggle the preset using a 1/2 second fade time.



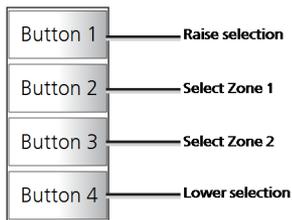
Zone

The 4-button station supports the following button actions:

Push

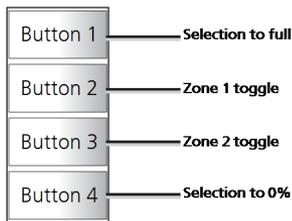


Hold



Double-tap

Double-tap the button to toggle the zone to its extents using a 1/2 second fade time.



With No Zone Selected

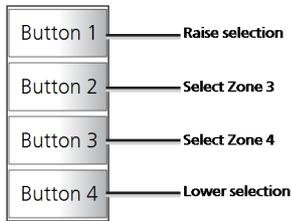
When no zone is selected, the raise selection and lower selection buttons (1 and 4) change the intensity levels for the configured space.

A double-tap on the raise selection or lower selection buttons (1 and 4) changes the levels for the configured space to their extents, using a 1/2 second fade time.

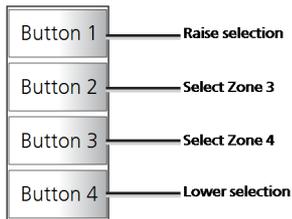
Custom

The 4-button station supports the following button actions by default before configuration using ElahoAccess:

Push

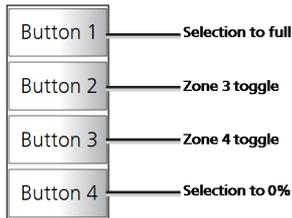


Hold



Double-tap

Double-tap the button to toggle the zone to its extents using a 1/2 second fade time.

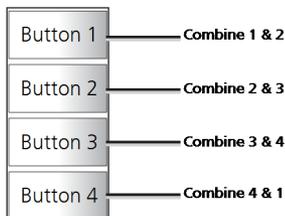


Note: These are the default button actions for the 4-button station when the Function switch is set to Custom. For custom configuration using ElahoAccess, reference the ElahoAccess Mobile App integrated help system.

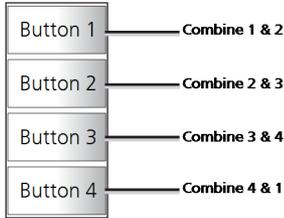
Space Combine in Preset

Setting the Function switch to Preset, with DIP switch 3 On, enables space combine mode on the 4 button station. The 4-button station in Space Combine mode supports the following button actions:

Push



Hold



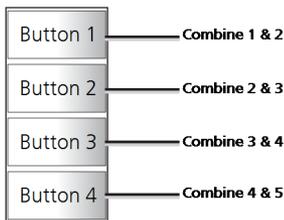
Note: Double-tap is not a supported feature in Space Combine mode.

When the 4-button station in Space Combine mode, and the Function switch is set to Preset, the spaces will wrap, meaning the last button on the station will combine with the first space configured for control on the station. All combine actions are toggles (essentially wall toggles), that both combine and un-combine the specified spaces.

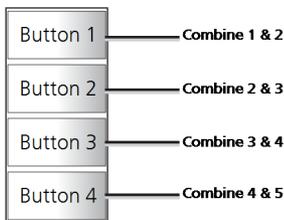
Space Combine in Zone

Setting the Function switch to Zone, with DIP switch 3 On, enables Space Combine mode on the 4-button station. The 4 button station in Space Combine mode supports the following button actions:

Push



Hold

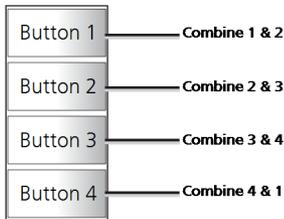


Note: Double-tap is not a supported feature in Space Combine mode.

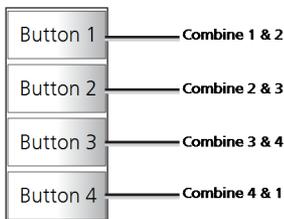
Space Combine in Custom

Setting the Function switch to Custom, with DIP switch 3 On, enables Space Combine mode on the 4-button station. The 4 button station in Space Combine mode supports the following button actions by default before configuration using ElahoAccess:

Push



Hold



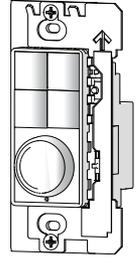
Note: Double-tap is not a supported feature in Space Combine mode.



Note: These are the default button actions for the 4-button station when the Function switch is set to Custom. For custom configuration using ElahoAccess, reference the ElahoAccess Mobile App integrated help system.

4-Button with Fader Station

The 4-button with fader Inspire Station offers control of up to five presets or four zones as determined by the Function and DIP switch settings.



Factory Defaults

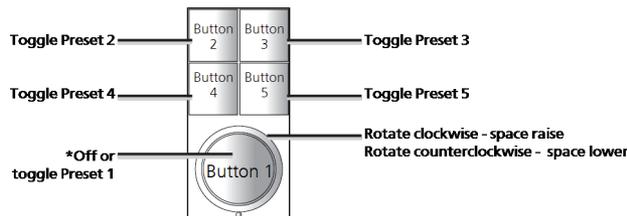
The 4-button with fader Inspire Station ships from the factory in the following default settings:

- Rotary switches are set to Address 1, Space 1. Reference [Rotary Switch Assignments on page 40](#).
- DIP switch 1 is set to On for "Use Off" functionality. All others are set to Off. Reference [DIP Switch Settings on page 40](#).
- With the Function switch set to Preset, the fader knob is Preset 1.
- With the Function switch set to Zone, Zone 1 is the starting zone.

Preset

The 4-button with fader station supports the following button actions:

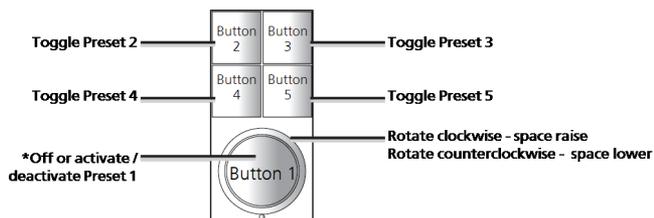
Push



Note: Hold is not a supported feature in Preset mode.

Double-tap

Double-tap the button to toggle the preset using a 1/2 second fade time.



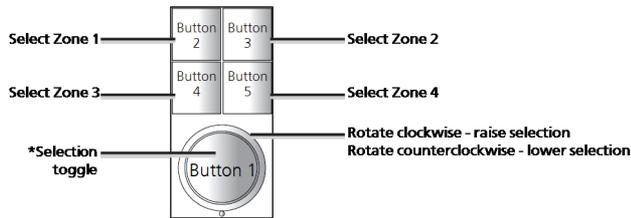
Note: When DIP switch 1 is set to On, the 4-button with fader station uses the fader knob (push action) for Off functionality.

*Push the fader knob to execute an Off command anytime presets or zones are On in the same space, otherwise the action toggles Preset 1. Reference [DIP Switch Settings on page 40](#) for instructions to change this default setting.

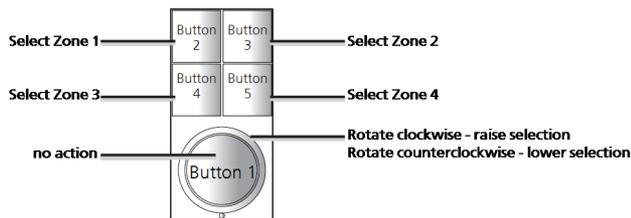
Zone

The 4-button with fader station supports the following button and fader actions:

Push

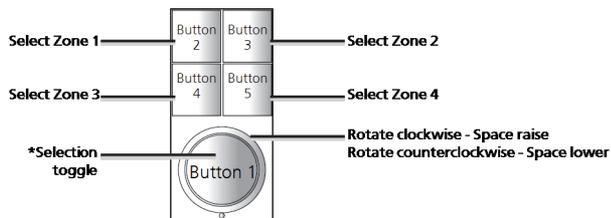


Hold



Double-tap

Double-tap the button or fader knob to toggle the zone or space using a 1/2 second fade time.



*Push the fader knob to execute an Off command anytime presets or zones are On in the same space, otherwise the action toggles the space.

With No Zone Selected

When no zone is selected, rotate the fader knob to perform a space raise lower, changing all zone levels for the configured space.

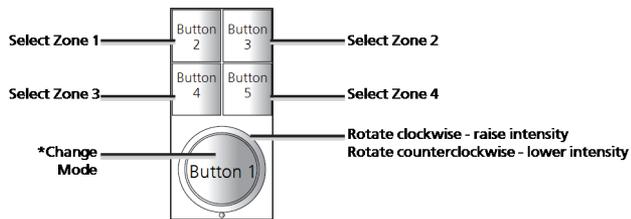
Double-tap on the fader knob to change the zone levels for the configured space to their extents, using a 1/2 second fade time.

Zone with Color Control Enabled

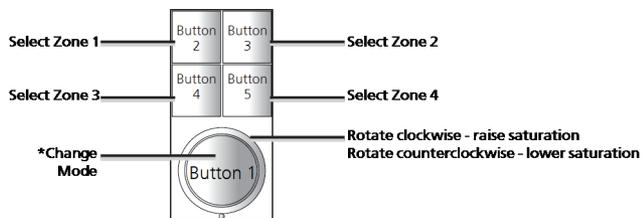
With the Function switch set to Zone, and with Color Control mode enabled by configuring DIP switches 5 and 6, the 4-button with fader station supports the following fader actions:

HSI Color Mode

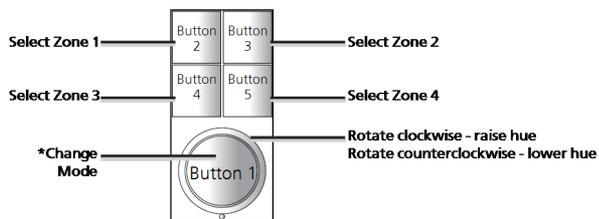
Intensity



Saturation

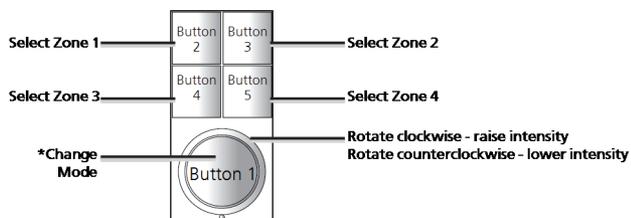


Hue

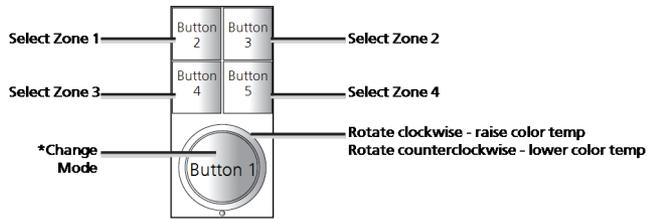


Color Temp Mode

Intensity

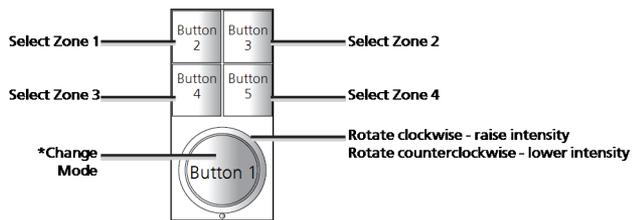


Color Temp

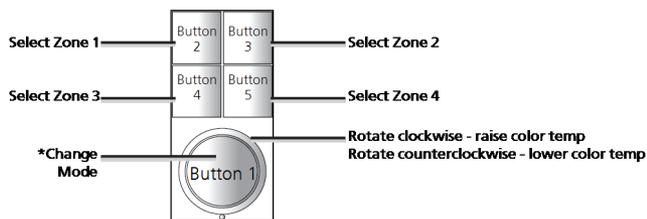


Studio Mode

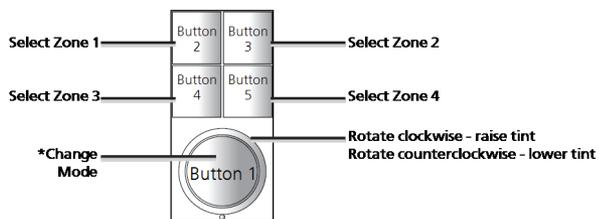
Intensity



Color Temp



Tint



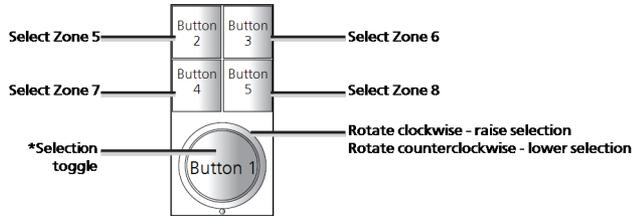
With No Zone Selected

When no zone is selected, rotate the fader knob to perform space wide commands, changing all zone levels for the configured space.

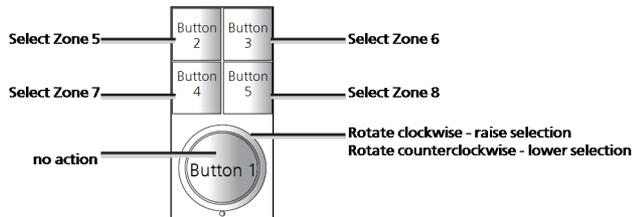
Custom

The 4-button with fader station supports the following button and fader actions by default before configuration using ElahoAccess:

Push

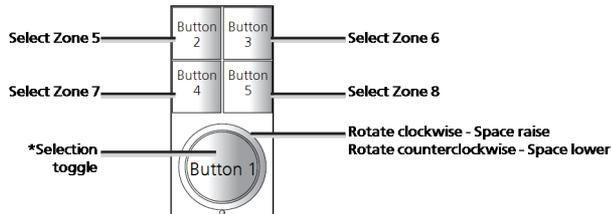


Hold



Double-tap

Double-tap the button or fader knob to toggle the zone or space using a 1/2 second fade time.



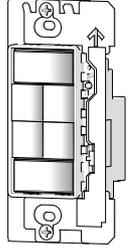
*Push the fader knob to execute an Off command anytime presets or zones are On in the same space, otherwise the action toggles the space.



Note: These are the default button and fader actions for Custom control mode. For custom configuration using ElahoAccess, reference the ElahoAccess Mobile App integrated help system.

6-Button Station

The 6-button Inspire Station offers control of up to six presets or four zones as determined by the Function and DIP switch settings.



Factory Defaults

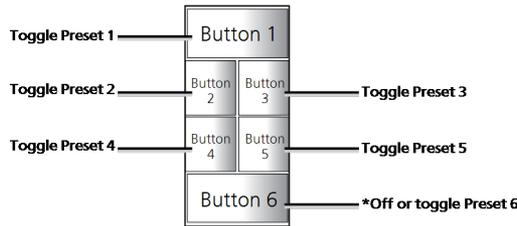
The 6-button Inspire Station ships from the factory in the following default settings:

- Rotary switches are set to Address 1, Space 1. Reference [Rotary Switch Assignments on page 40](#).
- DIP switch 1 is set to On for "Use Off" functionality. All others are set to Off. Reference [DIP Switch Settings on page 40](#).
- With the Function switch set to Preset, Preset 1 is the default starting preset.
- With the Function switch set to Zone, Zone 1 is the default starting zone.

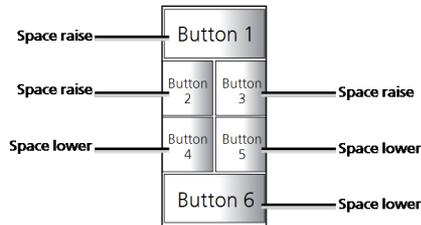
Preset

The 6-button station supports the following button actions:

Push

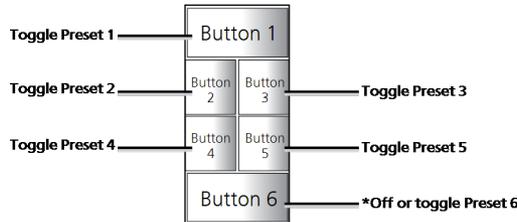


Hold



Double-tap

Double-tap the button to toggle the preset using a 1/2 second fade time.

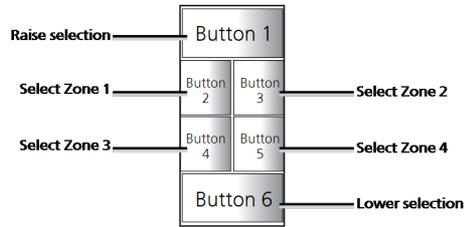


Note: When DIP switch 1 is set to On, button 6 is designated for Off functionality. Reference [DIP Switch Settings on page 40](#) for instructions to change this default setting.

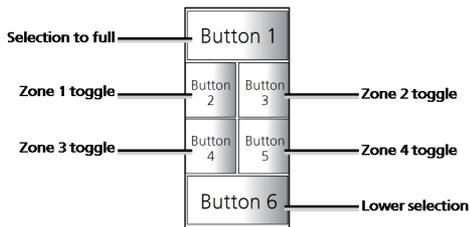
Zone

The 6-button station supports the following button actions:

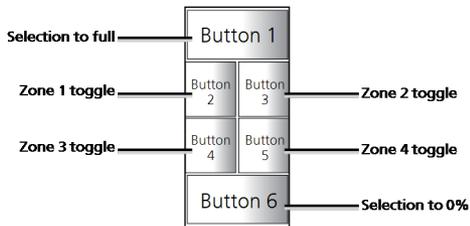
Push



Hold



Double-tap



Double-tap the button to toggle the selected zone or space using a 1/2 second fade time.

With No Zone Selected

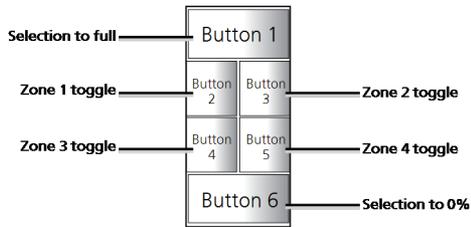
When no zone is selected, the raise and lower buttons (1 and 6) perform a space raise and space lower, changing all zone levels for the configured space.

A double-tap on the raise or lower button changes the zone levels for the configured space to their extents, using a 1/2 second fade time.

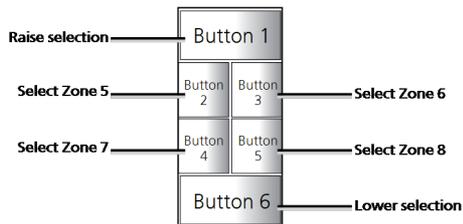
Custom

The 6-button station supports the following button actions by default before configuration using ElahoAccess:

Push

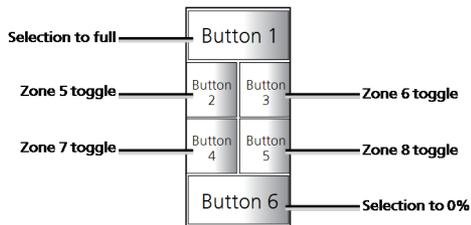


Hold



Double-tap

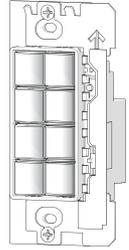
Double-tap the button to toggle the selected zone or space using a 1/2 second fade time.



Note: These are the default button actions for the station when the Function switch is set to Custom. For custom configuration using ElahoAccess, reference the ElahoAccess Mobile App integrated help system.

8-Button Station

The 8-button Inspire Station offers control of up to eight presets or four zones as determined by the Function and DIP switch settings.



Factory Defaults

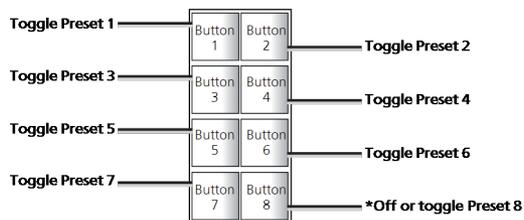
The 8-button Inspire station ships from the factory in the following default settings:

- Rotary switches are set to Address 1, Space 1. Reference [Rotary Switch Assignments on page 40](#).
- All DIP switches are set to Off. Reference [DIP Switch Settings on page 40](#).
- With the Function switch set to Preset, Preset 1 is the default starting preset.
- With the Function switch set to Zone, Zone 1 raise is the default starting zone.

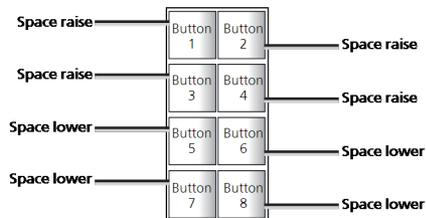
Preset

The 8-button station supports the following button actions:

Push

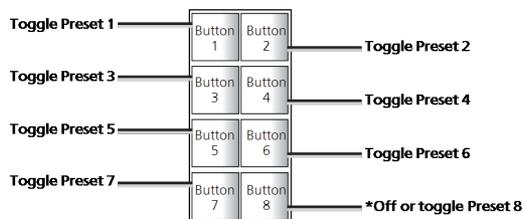


Hold



Double-tap

Double-tap the button to toggle the preset using a 1/2 second fade time.

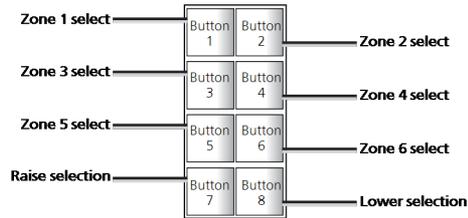


Note: When DIP switch 1 is set to On, the 8-button station uses button 8 for Off functionality. Reference [DIP Switch Settings on page 40](#) for instructions to change this default setting.

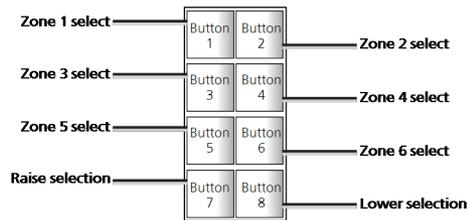
Zone

The 8-button station supports the following button actions:

Push

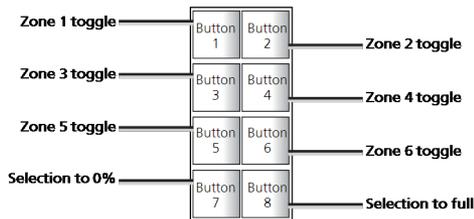


Hold



Double-tap

Double-tap the button to toggle the selected zone or space using a 1/2 second fade time.



With No Zone Selected

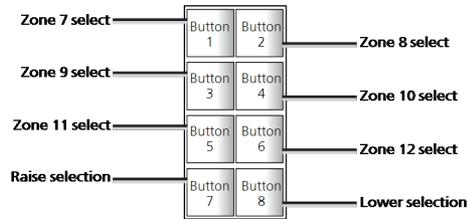
When no zone is selected, the raise and lower buttons (7 & 8) perform a space raise and space lower, changing all zone levels for the configured space.

A double-tap on the raise or lower button changes the zone levels for the configured space to their extents, using a 1/2 second fade time.

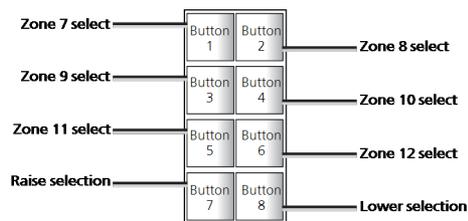
Custom

The 8-button station supports the following button actions by default before configuration using ElahoAccess:

Push

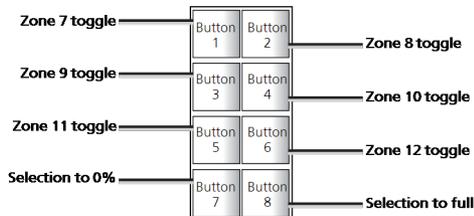


Hold



Double-tap

Double-tap the button to toggle the selected zone or space using a 1/2 second fade time.



Note: These are the default button actions for the station when the Function switch is set to Custom. For custom configuration using ElahoAccess, reference the ElahoAccess Mobile App integrated help system.

Station Miscellaneous

This section provides information pertaining to the mechanical features of the Inspire Stations including the following:

- [*Remove or Install the Wall Plate on the facing page*](#)
- [*Install Button Legends on page 39*](#)
- [*Rotary Switch Assignments on page 40*](#)
- [*DIP Switch Settings on page 40*](#)

Remove or Install the Wall Plate

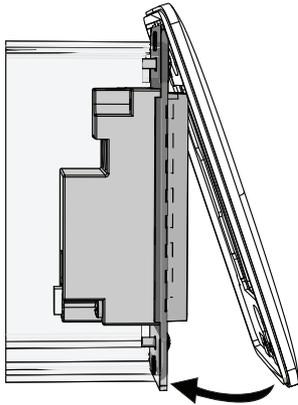
Remove Wall Plate

After station installation is complete, to gain further access to the *Record/Program Mode* features and set station *Function switch*, you must first remove the station wall plate.

The wall plate is secured to the station with magnets that are attached to the wall plate.

1. Using your index finger and thumb, lift the left and right side edges of the bottom of the wall plate, disengaging the magnets. The magnets that secure the wall plate are strong. You will need a good grip on the plate to lift it away.
2. When the bottom of the wall plate is free from the magnets, continue lifting until the top of the plate is free from the tabs on the top of the station electronics assembly.

Install Wall Plate



1. Align the top of the wall plate to the station and angle the bottom approximately 20 degrees.
2. Hook the top of the wall plate to the tabs located on the station electronics assembly. To ensure the wall plate is hooked properly on the top hook, wiggle it slightly side to side.
3. Swing the bottom of the wall plate down until the magnets engage.
4. If the wall plate does not fully attach automatically, wiggle the bottom of the plate until all of the magnets are seated properly to the station and the plate is secure.



Note: When installing a multi-gang wall plate to a station and the stations are not aligned properly in the back box, the wall plate will not attach properly.

Loosen the screws that secure the station to the back box, adjust each station to improve the alignment, secure the screws, then retry wall plate installation.

Install Button Legends

Inspire Stations ship with standard button legends installed beneath a clear lens. An additional sheet of standard button legends are provided for field installation as needed.

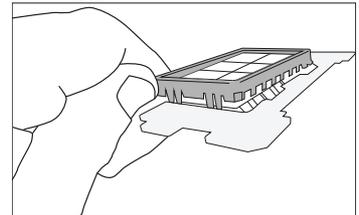


Note: *Customize and print your own button legends on standard transparency. Download the button legend template provided on the Echoflex website at echoflexsolutions.com.*

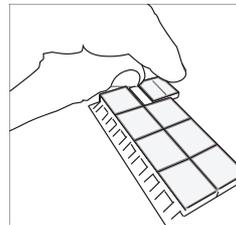
Each button can have a legend, installed beneath the button lens. To remove, install, or replace a button legend you must first remove the bezel and button lens from the station electronics.

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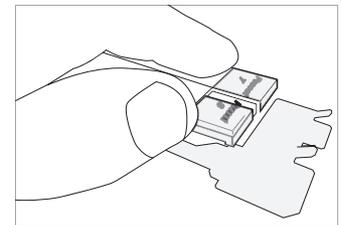
1. Remove the bezel from the station electronics.
 - Each corner of the bezel is provided with a notch to assist with bezel removal. Use a nail to lift a corner free, then gently remove the bezel from the station.



2. Remove the button lens.
 - Using the pads of your thumb, press on the lens and slide the lens left, toward the hinge points.
3. Once the lens is removed, remove the existing legend and insert a custom legend.



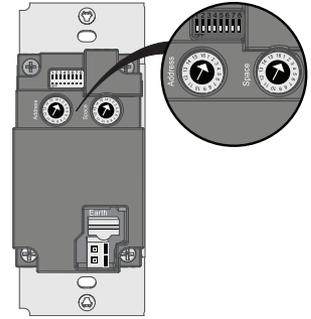
4. Replace the lens onto the button by aligning the grooves of the lens to the button, then sliding the lens in place starting at the hinge. Slide the lens until it covers the entire button and clicks into place.
5. Replace the bezel to the station electronics when all legends and lenses are in place.



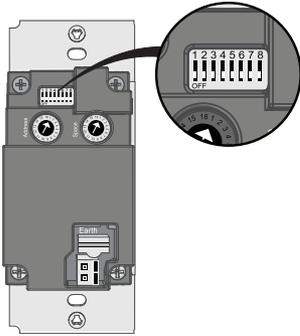
Rotary Switch Assignments

Two rotary switches on the rear panel of the station provide for station address and space assignment. Each station must be set to a unique station address for the assigned space.

By default, these switches are set to station Address 1, Space 1. Events and commands are shared by all devices within an assigned space.



DIP Switch Settings



DIP switches on the rear panel of the station provide for designation of "Off" functionality, the ability to disable amber button LEDs, 4 button station space combine controls, 4 button with fader station color control mode settings, and the ability to restore the station to its factory defaults.



Note: Echoflex recommends that you reset power to the station after changing a DIP switch setting.

Switch #	Use
1	Use Off - Provides "Use Off" functionality. <i>1-button station only</i> , when set to On and the Function switch is set to Preset mode, enables sequence toggle.
2	Amber LED Disable - When this switch is set to On, amber button LEDs on the station will be disabled. The default setting is Off. Amber LEDs are provided as the default so the station glows in darkened spaces, allowing it to be easily located.
3	Space Combine Mode - <i>4-button station only</i> , changes the station personality, enabling space combine.
4	Fade Time Override (Disable) - Applies a 0 second fade time to all station actions for non-dim switched mode behavior (when dimming features are not wanted)
5	Zone Color Control - <i>4-button with fader station only</i> , changes the Zone mode (Function selection switch) of the station into Color Control mode. See .DIP Switch Settings above
6	
7	Reserved for future development
8	Restore to Defaults at boot. Setting this DIP switch "On", then cycling power to the station restores the station to factory defaults. Set the DIP switch "Off" after the power has cycled.



Note: When the station Function switch is set to Custom, only DIP switch number 8 applies. All other DIP switch settings are ignored.

4-Button with Fader Station Color Mode DIP Switch Settings

DIP switches 5 and 6 on the 4-button with fader station set Color Mode functionality for the fader knob when the station is also set to Zone control mode:

MODE	DIP 5	DIP 6	Push action	Rotate action
Intensity	Off	Off	Selection Toggle	Selection Raise / Lower
Color Temp	Off	On	Toggle between Intensity and Color Temp	Selection Raise / Lower for Intensity and Color Temp
HSI Color	On	Off	Toggle between Intensity, Saturation, and Hue	Selection Raise / Lower for Intensity, Saturation, and Hue
Studio	On	On	Toggle between Intensity, Color Temp, and Tint	Selection Raise / Lower for Intensity, Color Temp, and Tint

