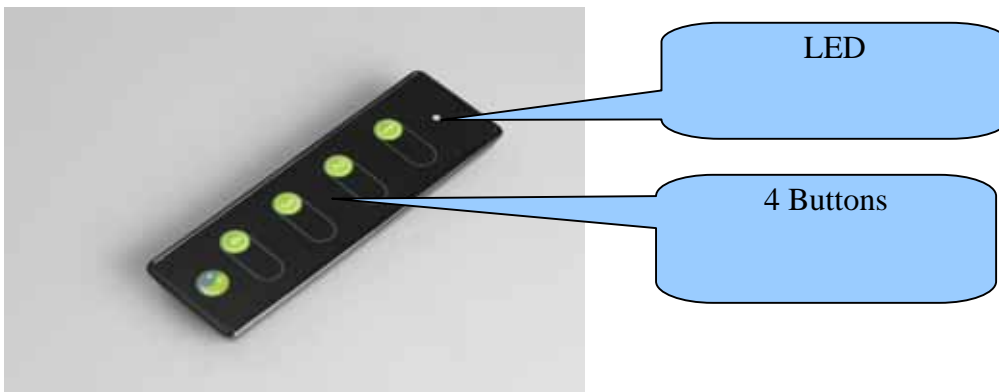


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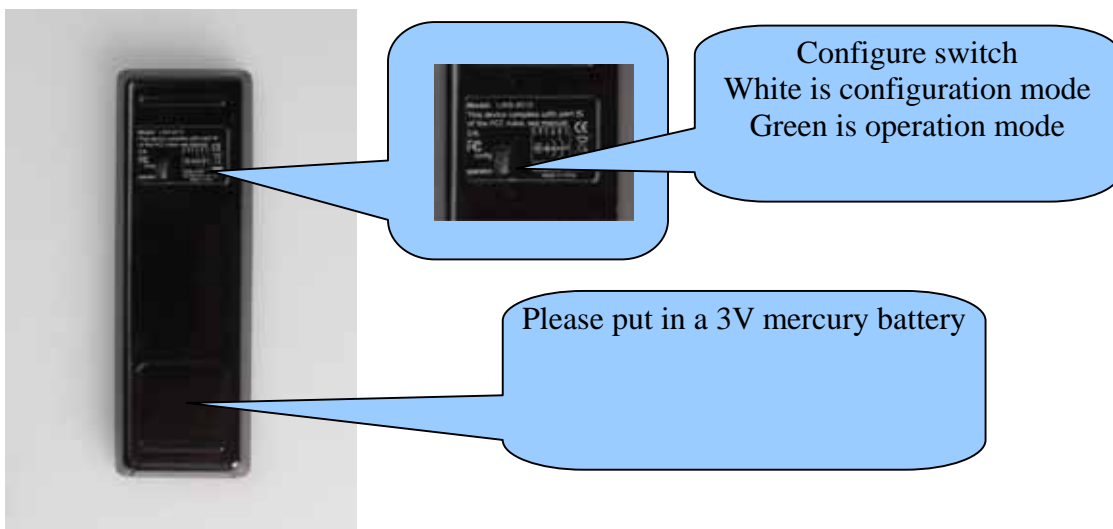
Introduction

The HSK-50Z is a Z-Wave Scene Controller. HSK-50Z can include/exclude Z-Wave device, and provide two channels to associated. HSK-50Z can also assign association to connect the controlling device and to be controlled device. In addition, The Scenario Hub HSC-200 can include the HSK-50Z, and it will be a scenario controller. Replicating Network and Channel setting can join the primary controller made HSK-50Z to be a secondary controller. The HSK-50Z has LED and four button at front side, and each button have three way Signal Click, Hold and Release. At the back side have a configure switch and a 3V mercury battery.

Externals of HSK-50Z



Installing Battery and Configure Switch



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Including a Z-Wave Device to the Network

To including a Z-Wave device to the network, we should make sure the device has not been included in other network. If the device already in other network, please follows the steps in “Excluding a Z-Wave Device from the Network” to exclude the device.

The following steps can be used to include a new device.

1. Turn the configure switch(back side) to CONFIGURATION mode. The switch color will be WHITE.
2. Press & release BUTTON(1), the LED in front will blink in GREEN color (to expire in 10 sec).
3. Press & release PROGRAM button on the device, the LED in front will turn solid GREEN for 2 sec, if successful.
4. If the Inclusion in NOT successful, the LED in front will turn solid RED for 2 sec; user has to redo 2&3.

Excluding a Z-Wave Device from the Network

To remove the device from the network. Perform the following steps:

1. Turn the configure switch(back side) to CONFIGURATION mode. The switch color will be WHITE.
2. Press & release BUTTON(2), the LED in front will blink in YELLOW color (to expire in 10 sec).
3. Press & release PROGRAM button on the device, the LED in front will turn solid GREEN for 2 sec, if successful.
4. If the Exclusion in NOT successful, the LED in front will turn solid RED for 2 sec; user has to redo 2 & 3.

Associating a Z-Wave Device to a Channel

HSK-50 provides support for two channels, which can control the on/off/dim state of devices. The channel 1 is composed of BUTTON(1) and BUTTON(2), and the BUTTON(3) and BUTTON(4) is for channel 2. Before associating a Z-Wave device to a channel, you should make sure the device has been already included in HSK-50Z.

Perform the following steps:

1. Turn the configure switch(back side) to CONFUGURATION mode. The switch color will be WHITE.
2. Press & release BUTTON(3), the LED in front will turn solid in GREEN color (to expire in 10 sec).
3. Press & release BUTTON(1) or BUTTON(2) to connect with CANNEL 1, or press & release BUTTON(3) or BUTTON(4) to connect with CHANNEL 2. The LED in front will blink in GREEN color (to expire in 10 sec).
4. Press & release PROGRAM button on the device, the LED in front will turn solid GREEN for 2 sec, if successful.
5. If the association is NOT successful, the LED in front will turn solid RED for 2 sec;

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user has to redo steps 2 to 4.

6. Repeat steps 2 to 4 for each device you would like to associate to the selected operation button.

Note: The button 1&3 is ON or DIM UP, the button 2&4 is OFF or DIM DOWN.

Dis-associating a Z-Wave Device to a Channel

If you want to change the Z-Wave device to other channel or you do not want to associate in any channels, you can dis-associating the Z-Wave device from the channel. Perform the following steps:

1. Turn the configure switch(back side) to CONFIGURATION mode. The switch color will be WHITE.
2. Press & release BUTTON(4), the LED in front will turn solid in YELLOW color (to expire 10 sec).
3. Press & release BUTTON(1) or BUTTON(2) to disconnect with CHANNEL 1, or press & release BUTTON(3) or BUTTON(4) to disconnect with CHANNEL 2. The LED in front will blink in YELLOW color (to expire in 10 sec).
4. Press & release PROGRAM button on the device, the LED in front will turn solid GREEN for 2 sec, if successful.
5. If the Dis-association is NOT successful, the LED in front will turn solid RED for 2 sec; user has to redo steps 2 to 4.
6. Repeat steps 2 to 4 for each device you would like to dis-associate.

Enable All On/ Off

Enable all the devices included in HSK-50Z, and control them to do all On/ Off. Perform the following steps:

1. Turn the configure switch(back side) to CONFIGURATION mode. The switch color will be WHITE.
2. Press & hold BUTTON(1) & BUTTON(4) for 2 sec, and the LED in front will blink in GREEN color (to expire 10 sec).
3. Press & release BUTTON(1) or BUTTON(3) , the LED in front will turn solid GREEN for 2 sec, if successful.
4. If NOT successful, the LED in front will turn solid RED for 2 sec; user has to redo 2 & 3.

Note 1: All associations previously made to the selected operation button pair will be delete.

Note 2: In case one or more associations are made to the selected button again the All On/ Off will automatically be disabled.

Resetting Network & Channels

Resetting the network & channels to default setting. Perform the following steps:

1. Turn the configure switch(back side) to CONFIGURATION mode. The switch color will be WHITE.

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2. Press & hold BUTTON(1) & BUTTON(4) for 2 sec, and the LED in front will blink in GREEN color (to expire 10 sec).
3. Press & keep hold BUTTON(2) & BUTTON(3) for about 10 sec until the LED in front will turn solid GREEN for 2 sec to mean successful. The LED in front will alternate GREEN, RED, YELLOW during the resetting process.
4. If NOT successful, the LED in front will turn solid RED for 2 sec, and user has to redo 2 & 3.

Including & Replicating Network & Channel Settings

If you already had a primary controller (HSK-50Z), You can add a secondary controller and replicating the Z-Wave device, network and channel settings. Perform the following steps:

1. Turn the primary and secondary HSK-50Z configure switch(back side) to CONFIGURATION mode. The switch color will be WHITE.
2. Press & hold primary HSK-50Z BUTTON(1) & BUTTON(2), the LED in front will alternate GREEN and YELLOW color (to expire 10 sec).
3. Press & hold secondary HSK-50Z BUTTON(3) & BUTTON(4), the LED in front will alternate GREEN and YELLOW color (to expire 10 sec).
4. The LED in front turn solid GREEN for 2 sec, if successful.
5. If the inclusion NOT successful, the LED in front will turn solid RED for 2 sec; user has to redo 2 to 4.

Create Assigned Association

HSK-50Z can assign association to connect the controlling device and to be controlled device. The HSK-50Z like a bridge to connect two Z-Wave device, then the controlling device will control the other device. Perform the following steps:

1. Turn the configure switch(back side) to CONFIGURATION mode. The switch color will be WHITE.
2. Press & hold BUTTON(1) & BUTTON(3) for 2 sec, the LED in front will turn blink GREEN quickly (to expire 10 sec).
3. With the HSK-50Z in hand press the PROGRAM button on the device to be controlled, and the LED in front will turn blink GREEN slowly. (to expire 10 sec).
4. With the HSK-50Z in hand press the PROGRAM button on the controlling device, and the LED in front will turn solid GREEN for 2 sec, if successful.
5. If the assigned association in NOT successful, the LED in front will turn solid RED for 2 sec; user has to redo 2 to 4.

Remove Assigned Association

Remove the connection between the controlling device and to be controlled device. Perform the following steps:

1. Turn the configure switch(back side) to CONFIGURATION mode. The switch color will be WHITE.
2. Press & hold BUTTON(2) & BUTTON(4) for 2 sec, the LED in front will turn blink YELLOW quickly (to expire 10 sec).
3. With the HSK-50Z in hand press the PROGRAM button on the device to be controlled, and the LED in front will turn blink YELLOW slowly (to expire 10 sec).

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4. With the HSK-50Z in hand press the PROGRAM button on the controlling device, and LED in front will turn solid GREEN for 2 sec, if successful.
5. If the removed association is NOT successful, the LED in front will turn solid RED for 2 sec; user has to redo 2 to 4.

Including the HSK-50Z to a Scenario Hub

The HSK-50Z can act as the portable installation controller for the Scenario Hub(HSC-200), can control the device has been already included in Scenario Hub or press the buttons to control the scenario. Perform the following steps:

1. Turn the configure switch(back side) to CONFIGURATION mode, the switch color will be WHITE.
2. Place the HSK-50Z next the Scenario Hub(HSC-200).
3. Initiate the learning mode of Scenario Hub(HSC-200).
4. Press & hold BUTTON(3) & BUTTON(4) of HSK-50Z for 2 sec, the LED in front will turn solid GREEN for 2 sec, if successful.
5. If the inclusion NOT successful, the LED in front will turn solid RED for 2 sec; user has to redo 2 to 4.

Note: When the HSK-50Z is included in Scenario Hub, all its existing setting will be delete.

OPERATION – On/ Off/ Dim

You can control the Z-Wave device by HSK-50Z. If you already completed “Associating a Z-Wave Device to a Channel”, turn the configure switch(back side) to OPERATION mode, the switch color will be GREEN.

In channel 1, the control button is BUTTON(1) & BUTTON(2), the BUTTON(1) is for On/ Dim UP and the BUTTON(2) is for Off/ Dim Down; In channel 2, the control button is BUTTON(3) & BUTTON(4), the BUTTON(3) is for On/ dim Up and the BUTTON(4) is for Off/ Dim Down.

If you want to execute On/ Off, please press & release the buttons; If you want to execute Dim Up/ Dim Down, please press & hold the buttons. The LED in front will blink in GREEN 2 times when execute On/ Dim Up; The LED in front will blink in YELLOW 2 times when execute Off/ Dim Down. If NOT successful, the LED will blink in RED 2 times.

OPERATION – All On/ Off

You can control the Z-Wave device by HSK-50Z. If you already completed “Enable All On/ Off”, turn the configure switch(back side) to OPERATION mode, the switch color will be GREEN.

Press & release BUTTON(1) or BUTTON(3) will execute ALL ON, press & release BUTTON(2) or BUTTON(4) will execute ALL OFF. The LED will blink in GREEN 2 times when execute ALL ON; The LED will blink in YELLOW 2 times when execute ALL OFF. If NOT successful, the LED will blink in RED 2 times.

OPERATION – Scenario Selector

You can through the Scenario Hub(HSC-200) to set the HSK-50Z to control the devices or

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select the scenarios. If you already completed “Including the HSK-50Z to a Scenario Hub”, turn the configure switch(back side) to OPERATION mode, the switch color will be GREEN.

If you already set the scenario with HSK-50Z by Scenario Hub, Press & release the BUTTON(1) to BUTTON(4), the LED in front will blink in GREEN 2 times, if successful. If NOT successful, the LED in front will blink in RED 2 times.

Trouble Shooting

- **Problem:** The LED always blink in RED 2 times when I press & release the buttons, and can not control the device.
- **Solution1:** Please check the battery or power in your device.
- **Solution2:** Please make sure the device associated in a channel.
- **Solution3:** Please check HSK-50Z within **15** feet of your device in house.

- **Problem:** I can not include/ exclude any devices by HSK-50Z.
- **Solution:** Please check the configure switch(back side) is in configuration mode.
- **Solution:** Please check your HSK-50Z did not included in other network. If HSK-50Z included in other network, it will can not include any device in HSK-50Z.
- **Solution:** The HSK-50Z might be a secondary controller, just the primary controller can include/ exclude the device.

- **Problem:** Why I can not dim up or dim down the Z-Wave Lamp Module.
- **Solution:** Please check what channels that you associated.
- **Solution:** If the state is “Enable All On/ Off”, the Lamp Module just execute on/ off by HSK-50Z.

Federal Communications Commission Statement

**Z-Wave Portable Scenario Controller
HSK-50Z / HomeScenario**

Warranty

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions

- (1) This device may not cause harmful interference and
- (2) This device must accept any interference received, including interference that may cause undesired operation

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the installation. , May cause harmful interference to radio communication. However, there is no guarantee that interference

Will not occur in a particular installation. if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio / TV technician for help