

Enabling Toggle Operation for a HomeSeer Switch

This article shows how to convert the 2-way paddle operation of a HomeSeer switch to toggle operation using HomeSeer events. This guide relates HS-WX300 (in on/off switch mode), HS-WS200+ and HS-WS100+.



Overview

All HomeSeer switches feature 2-way paddle operation. Tap the top of the paddle and the switch turns on. Tap the bottom of the paddle and the switch turns off. For most use cases, this works fine and is what people expect. However, there may be instances where a simple toggle operation is better, regardless of whether the top or bottom of the paddle is pressed. The switch may be located in an area that's hard to see or the operator may be sight impaired or physically disabled. For these or similar situations, a simple toggle operation may be preferred. This article shows how to accomplish this using two (2) HomeSeer events (for each switch).

Conventional Operation

By default, all HomeSeer switches work this way

With Load OFF

- Tap Top Paddle - Load Turns **ON**
- Tap Bottom Paddle - Load Remains **OFF**

With Load ON

- Tap Bottom Paddle - Load Turns **OFF**
- Tap Top Paddle - Load Remains **ON**

Toggle Operation

In toggle mode, HomeSeer switches would work this way

With Load OFF

- Tap Top Paddle - Load Turns **ON**
- Tap Bottom Paddle - Load Turns **ON** (requires **Event #1** below)

With Load ON

- Tap Bottom Paddle - Load Turns **OFF**
- Tap Top Paddle - Load Turns **OFF** (requires **Event #2** below)

Events

Two Events would be required to implement Toggle Operation for any given HomeSeer switch. These events will control a "Basement Ceiling Light", referred to as Device XXX in the description below.

Event #1	Event #2
Groups / Lighting / Toggle Basement Light ON	Groups / Lighting / Toggle Base
IF	IF
Basement Ceiling Light Central Scene had its value set to Scene 002 Key Pressed 1 Time	Basement Ceiling Light Central Sc
AND IF	AND IF
Basement Ceiling Light Switch has a value equal to Off	Basement Ceiling Light Switch ha
THEN	THEN
Set Device: Basement Ceiling Light Switch to On	Set Device: Basement Ceiling Light Switch to
<p>Trigger: Pressing the bottom paddle once = (Device XXX) Central Scene 002 Key Pressed 1 Time</p> <p>Condition: Load is Off = (Device XXX) has a value equal to Off</p> <p>Action: Turn Load On = Set Device (Device XXX) to On</p>	<p>Trigger: Pressing the top paddle once =</p> <p>Condition: Load is On = (Device XXX) h</p> <p>Action: Turn Load Off = Set Device (Dev</p>

Testing

With Load OFF

- Tap Top Paddle - Load Should Turn **ON**
- Tap Bottom Paddle - Load Should Turn **ON**

With Load ON

- Tap Top Paddle - Load Should Turn **OFF**
- Tap Bottom Paddle - Load Should Turn **OFF**