

## **Samsung TV Remote (model years 2016 and later)**

**Objective of driver:** Provide a framework for Dashboard and Rule Machine control of the Samsung TV.

### **Hubitat capabilities:**

- a. SamsungTV
- b. Switch
- c. Speech Synthesis
- d. Notification
- e. Buttons

### **Major functions:**

- a. On/Off, on using Wake On Lan
- b. Standard Remote Control Keys
  - 1. Set keys in program
  - 2. Use Send Key to send any key not covered elsewhere.
- c. Additional functions
  - 1. Art Mode (Frame TV's)
  - 2. Set Input Source (digitalTv, HDMIIn)
  - 3. Set TV Channel
  - 4. Quick Polling (down to 5 seconds, currently switch (power) status only)

### **GitHub Location:**

<https://github.com/DaveGut/HubitatActive/tree/master/SamsungTvRemote>

**Basic Installation.** Basic installation is the same as any driver. This procedure will take you through an operating system without SmartThings or Speech Synthesis functions.

- a. Turn on your TV Set. This is required to get important data.
- b. Install driver, one of two methods:
  - 1. Hubitat Package Manager
    - a) Tags: Control, LAN, Utility
    - b) name: Samsung TV Remote
  - 2. Manual using Import Feature
    - a. Open new driver
    - b. Select Import button and enter url below into window
    - c. Import uri:  
<https://raw.githubusercontent.com/DaveGut/HubitatActive/master/SamsungTvRemote/SamsungTVRemote.groovy>
- 3. Create the device
- 4. Open the Device's edit page and enter the device IP into "Samsung TV Ip"
- 5. Save Preferences.

**SmartThing Integration:** The functions **setInputSource** and **setTvChannel** utilize a link to SmartThings. A prerequisite is a SmartThings Account and your TV installed into that device.

- a. Open the device's edit page and switch "Connect to SmartThings for added functions) to right (blue)
- b. Save Preferences
- c. Obtain an API key from <https://account.smarthings.com/tokens>
- d. Enter the Key in the preference "SmartThings API Key"
- e. Save Preferences
- f. Open a logging page
- g. On the Device's page, select the function "List St Devices"
- h. From the log page, copy the DeviceId for your TV.
- i. Paste the above value into Preference "SmartThings TV Device ID"
- j. Save Preferences.

**Speech Synthesis and Audio Notification.** The Hubitat textToSpeech engine output is not compatible with the Samsung TV (nor soundbars). For this function to work, you must use an external and FREE service.

- a. Go to <http://www.voicerss.org/registration.aspx>,
  1. Create a free account
  2. Obtain and copy a TTS Key
- b. Enter the key in Preference "TTS Site Key"
- c. Select your TTS language from the dropdown.
- d. Save Preferences

**Button Interface:** A button interface has been created within the driver.

- a. Goal: Provide a method to call up TV device functions into Hubitat Dashboard and Rule Machine w/o creating a lot of pseudo devices.
- b. Documentation: Internal to the driver near the bottom of the driver code in method "**push**".

**Acknowledgement:** This development has been a team effort from various users:

- a. Many GitHub users for the decoding of the Web Socket API
- b. SmartThings for their good API document
- c. Users in this thread, especially:
  1. Cal: Initial light the fire support as well as Frame TV functions.
  2. Lewis.keidrick: Testing support, offer of other support, and the idea of enhancing the integration with SmartThings.
  3. Others I probably forgot because I am old.