SOMFY DRIVER SET FOR TAHOMA WITH RTS AND ZIGBEE BLINDS, ZIGBEE LIGHTS AND SWITCHES

This driver set enables you to control Somfy RTS and ZigBee Blinds as well as supported ZigBee Lights and Switches connected to a Somfy TaHoma, from Control4.

The driver set includes four drivers: one Interface driver as well as one driver each for Blinds, Lights and Switches (collectively referred to as 'Devices' here).

The project may include as many TaHoma Interface drivers as you have TaHoma units installed. Each such driver communicates with one TaHoma. The project may also contain one instance of the Blind, Light and/or Switch drivers for each physical Device you need to control. You select which TaHoma a Device driver is connected to using a property of the Device driver itself.

INSTRUCTIONS

- You should first fully connect all Devices (RTS and/or ZigBee Blinds and/or ZigBee Lights/Switches) to the TaHoma(s) and verify that all are operational. Configure the Devices using the TaHoma Apps (iOS/Android) supplied by Somfy Systems and verify that all Devices are operational.

- Locate the TaHoma Interface driver and its related TaHoma Device drivers in the Online Driver Database, under manufacturer 'Somfy'. If not found, obtain the drivers from Somfy Systems and copy them to your Drivers subdirectory. The drivers will then appear in Composer under manufacturer 'Somfy'.

- SDDP discovery is supported. Use it to add the TaHoma Interface driver(s) to your project. Your project may have as many instances of the TaHoma Interface driver as required (one per physical TaHoma in your project). In this case, it is useful to give each driver a meaningful name in order to easily associate them with the corresponding physical TaHoma units. Alternatively, manually add the Interface driver(s) to your project and enter the IP address of each corresponding TaHoma unit. Use a fixed IP address or a MAC-based address reservation for each.

- In the appropriate room(s), add TaHoma Device (Blind, Light, Switch) drivers as required, one for each physical Device. You then need to select the controlling TaHoma for each, using the driver's property.

- Rename the Devices just added so that you keep track of their location.

- Next, for each Device driver installed, select a physical TaHoma Device from the drop-down list. This list may be updated by running an Action to request a Refresh of the Devices List and then selecting the right entry from the drop-down list. If the drop-down list is missing Devices, verify the configuration of your Interface driver(s). **NOTE**: the list will show only the Devices applicable to the specific driver.

- If running on Control4 OS 2.9 and above, you may specify the Blind Type and Blind Movement properties. They are used to customize the Navigator display.

- After adding Devices, refresh Navigators.

PROPERTIES

- **Driver Version** displays the version of this driver.

- **Debug Mode** turns Debug Mode Off or On (with output to the Lua Output window).

- **Debug Duration in Minutes** sets the duration of Debug On.

- **Driver Information** displays various status messages about the driver.

  INTERFACE DRIVER

- **TaHoma Available via IP** indicates if the Network Connection has been established with the TaHoma (directly or via SDDP).

- **Authorization Token** indicates the state of the Authorization mechanism with the TaHoma. To set up properly, you should first use the TaHoma app to enable a new token and then run the Action 'Request New Authorization Token'. See the section on AUTHORIZATION TOKEN below.

  BLIND DRIVER

- **Available TaHoma** allows you to select which TaHoma controls the current Blind.

- **Available TaHoma Blinds** allows you to select which physical Blind this driver will be assigned to (or associated with). You may request a new list by using the Actions 'Refresh All Devices List' or 'Refresh Unassigned Devices List'.

- **Assigned TaHoma Blind** shows which Blind this driver has been assigned to control.

  LIGHT AND SWITCH DRIVERS

- **Available TaHoma** allows you to select which TaHoma controls the current Light/Switch.

- **Available TaHoma Lights/Switches** allows you to select which physical Light/Switch this driver will be assigned to (or associated with). You may request a new list by using the Actions 'Refresh All Devices List' or 'Refresh Unassigned Devices List'.

- **Assigned TaHoma Light/Switch** shows which Light/Switch this driver has been assigned to control.

- **Selector for Keypad ON Color** and **Selector for Keypad OFF Color** allow you to change the LED colors of connected keypad buttons. Some experimentation may be necessary to get the exact color.

AUTHORIZATION TOKEN

The TaHoma device uses an elaborate security mechanism to prevent tampering. All communications between the Interface driver and the TaHoma uses an Authorization Token to authenticate the driver. Initially or if you get an Authentication Token error, you need to enable a new token using the TaHoma App (under *Settings*, *Third party integration*, *Control4*, *Enable/Refresh integrations*). After this is done, simply run the Action 'Request New Authorization Token' on the Interface driver and verify that the 'Authorization Token' property says '** SECURED **'.

NOTE ON 'SPECIAL UP DOWN STOP' CONNECTION

As of 2.10.4 (and likely earlier releases of Control4 OS), an issue with the Control4 blind proxy could generate unexpected (phantom) blind movements in installations with a large number of blinds when the 'toggle' keypad connection is used. To circumvent this, a 'SPECIAL Up Down Stop' connection is provided for the Blind driver and may be used instead of the 'toggle' connection but ONLY IF PHANTOM BLIND MOVEMENTS are noticed in the installation. This connection has is more limited than the 'toggle' connection as it cannot set the keypad button LED color and it does not cause a 'stop' command to be issued if the button is pressed and held.

It is expected that the proxy issue will be corrected in a future release of Control4 OS.

SUPPORT

For support on this driver set please go to www.somfysystems.com.

CHANGELOG

4.9.0 December 17, 2019	- Initial release
4.9.1 March 20, 2020	- Added support for ZigBee Lights and Switches

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Developed by Domosapiens Inc. for Somfy Systems, Inc.