

Intuitech Connector Somfy for FIBARO, user manual

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1. What Intuitech Connector Somfy does

The Connector links a Somfy controller (TaHoma or Connexoon) with a FIBARO controller. Every motor set up in the TaHoma app appears in the FIBARO controller as a device of its own and can be used just like a FIBARO device:

- in block scenes and Lua scenes
- in schedules and presence profiles
- in the Yubii app and the controller's web interface
- together with sensors from other manufacturers, for example: a wind sensor retracts the awning, a sun sensor closes the screen, the alarm system closes all shutters

The connection uses the official local interface of the Somfy controller (Developer Mode). During operation neither internet access nor a Somfy account is needed. If the internet connection fails, the installation keeps working.

2. Requirements

Item	Requirement
FIBARO controller	Home Center 3, Home Center 3 Lite or Yubii Home
Somfy controller	TaHoma switch, TaHoma V2, TaHoma DIN-Rail, TaHoma Beecon or Connexoon
Not suitable	TaHoma / Somfy Box of the 1st generation (square housing) and Connectivity Kit, these devices have no Developer Mode
Network	Somfy controller and FIBARO controller on the same network. With separate networks (VLAN), TCP port 8443 must be reachable from the FIBARO controller to the Somfy controller
Somfy account	needed once for activation only (the account the controller is registered to in the TaHoma app)
Motors	set up and working in the TaHoma app

3. Activation on the Somfy side (Developer Mode and token)

This step is done once in the TaHoma app on a smartphone. Registering as a Somfy developer is not required.

3.1 Preparation

1. Make sure the TaHoma app is updated to the latest version.
2. Log in with the account the Somfy controller is registered to.
3. Check that the Somfy controller is online. Activation runs through the Somfy cloud, afterwards internet access is no longer needed.
4. Note the PIN of the controller. It is on the label on the bottom of the device and in the app, format `2001-1234-5678`.

3.2 Enabling Developer Mode

1. Open the TaHoma app.
2. Go to the menu, then to the installation settings and select your controller (settings / parameters of the controller). Menu names may differ slightly depending on the app version.
3. The PIN is shown on the controller screen. Tap the PIN seven times in a row.
4. A new menu item Developer Mode appears. Open it and enable the mode.
5. Disconnect the Somfy controller from power for about 10 seconds and reconnect it. The manufacturer recommends this so that the local interface starts correctly. Wait until the controller is online again (about 2 minutes).

3.3 Creating a token

1. Open the Developer Mode menu in the TaHoma app again.
2. Choose to create a new token and give it a name, for example `FIBARO`.
3. Copy the token immediately and store it safely.

Important: the token can only be read at the moment it is created. If it is lost, simply create a new one; old tokens can be deleted in the same menu. Copy the token via the clipboard instead of typing it.

3.4 Check

Developer Mode is active when the Developer Mode entry is visible and enabled in the TaHoma app and the token `FIBARO` appears in the token list. Nothing else needs to be done on the Somfy side.

4. Installation on the FIBARO controller

4.1 Uploading the QuickApp

1. Open the web interface of the FIBARO controller in a browser.
2. Go to Settings, Devices and click +.
3. Choose Other device, then Upload file.
4. Select the file `Intuitech_Connector_Somfy_v1.3.3.fqa`.

A new device named Intuitech Connector Somfy appears in the device list.

4.2 Entering token and license key

1. Expand the device Intuitech Connector Somfy and open the Variables tab.
2. `tahomaToken`: paste the token from step 3.3.
3. `licenseKey`: enter the license key you received with your purchase.
4. Save.

The Connector finds the Somfy controller on the network by itself. IP and MAC address are filled in automatically, no network knowledge is needed. About 30 seconds after the token is saved, the Connector connects; no restart is required.

4.3 Taking over the devices

As soon as the token is valid, the Connector reads the Somfy installation and creates a separate device for each motor. This takes a few seconds. The devices can then be assigned to rooms and used in scenes.

5. Operation

5.1 Single device

Open, close, stop and the position slider work like a FIBARO roller shutter module.

Favourite position („my“): any position value between 11 % and 89 % triggers the favourite position stored in the Somfy remote. For radio motors without feedback (RTS) this is the only intermediate position the motor technically knows.

5.2 Buttons on the Connector

The QuickApp interface is available in English, German and Polish. By default the Connector uses the language set on the FIBARO controller (Settings, General). The language can also be fixed with the variable `language` (see section 8).

Button	Function
(status line)	connection, number of devices, license status
Find gateway	searches the network for the Somfy controller and takes it over
Refresh	reads the device list and states again
Reconnect	re-establishes the connection, after changing variables
Next target	steps through the created devices
Open / Close	moves the selected device
Favourite position	triggers „my“ on the selected device
License info	shows the controller serial number and license status

5.3 In Lua scenes

```
-- ID = device ID of the motor
fibaro.call(ID, "open")
fibaro.call(ID, "close")
fibaro.call(ID, "stop")
fibaro.call(ID, "setValue", 40)  -- 0 = closed, 100 = open
fibaro.call(ID, "setValue2", 50) -- slat angle, if the motor supports it
fibaro.call(ID, "my")           -- favourite position
```

Several motors at once: the Connector combines them into one radio command, the motors start together.

```
-- ID = device ID of Intuitech Connector Somfy, addresses are in the variables of each device
fibaro.call(ID, "sendGroup", "io://PIN/1234,io://PIN/5678", "close")
```

In block scenes the devices are available without any extra setup.

6. Supported devices and limits

6.1 Supported device types

Somfy device	In FIBARO as	Notes
Roller shutter, screen, exterior shutter	roller shutter	position, if the motor reports it
Awning	roller shutter	extended = closed
Pergola (deployment command)	roller shutter	slider, open and close use the pergola's deployment command
Heater (io, Exterior Heating)	dimmer	on, off and power in percent
Venetian blind, exterior blind	venetian blind (like Roller Shutter 3)	second slider for the slats
Curtain	roller shutter	
Window, gate, garage door	roller shutter	
Plug (io)	switch	
Dimmable light (io)	dimmer	
Sun, temperature, humidity, wind sensor	sensor	
Motion, contact, smoke, rain sensor	sensor	

Assignment is automatic, based on the data from the Somfy controller. Devices without a matching type yet are skipped and named in the log. Please report them and we will add them.

6.2 Limits

1. Radio motors without a return channel (RTS) do not report their position. This is a property of the RTS system, not a limitation of the software. The displayed position is the last commanded value. Movements made with the remote are not seen by the controller. io-homecontrol motors report their position, so the display is correct after using the remote as well.
2. No pairing or configuration of motors. Motors are still paired, named and their end positions set in the TaHoma app.
3. No access to TaHoma scenarios and schedules. The local interface cannot trigger them. Build such sequences as a FIBARO scene instead.
4. No alarm functions. Somfy Home Alarm components are not supported.
5. One Somfy controller per Connector installation. For several Somfy controllers, install the QuickApp several times. Two FIBARO controllers may also control the same Somfy controller, each with its own installation and license; the token can be the same.
6. Group commands of the FIBARO controller also move Somfy devices. Somfy motors are real roller shutters in FIBARO, so scenes and scenarios that move "all roller shutters" include them, above all the preinstalled morning and evening scenario. The Connector checks this at start-up and names such scenes in the log. Check them before handover and restrict them to single devices if needed.
7. Response time: state changes appear within one to two seconds. Somfy limits the polling frequency.

7. Troubleshooting

Message / symptom	Cause and solution
No TaHoma box found	Developer Mode not active (section 3.2), controller not restarted after activation, or on a different network than the FIBARO controller
Token rejected (401)	Token mistyped or deleted in the TaHoma app. Create a new token and enter it again
Box not reachable after a power cut	The local interface starts later than the network. The Connector retries every 30 seconds. If it persists, disconnect the Somfy controller from power once more
Motor does not respond	Check in the TaHoma app first. What cannot be controlled there cannot be controlled from FIBARO either
Position wrong after using the remote	Normal behaviour of RTS motors, see section 6.2
Shades move unexpectedly, e.g. all close in the evening	For every movement the log states who triggered it: this controller, another FIBARO controller (with serial number) or Somfy itself (app, schedule, sensor, with name). The most common cause is the evening scenario of the FIBARO controller, see section 6.2 item 6
New Somfy device missing	Press Refresh; the list is synchronised every 15 minutes anyway
No valid license	Check the license key. A key is valid for one FIBARO controller

Note on updates: an encrypted QuickApp cannot be overwritten. For a new version it is installed again, the token entered and the old installation deleted. The Somfy devices get new device IDs; scenes using single Somfy devices must be adjusted afterwards.

For diagnostics, set the variable `debugLevel` to `2`; the QuickApp then logs every request. For normal operation set `1` or `0`.

8. Variables

Variable	Meaning	Default
<code>tahomaIP</code>	IP address of the Somfy controller	filled in automatically
<code>tahomaMAC</code>	MAC address of the controller; with it the Connector finds the controller again after an IP change	filled in automatically
<code>tahomaToken</code>	token from Developer Mode	empty
<code>licenseKey</code>	license key	empty
<code>favoriteValue</code>	position value displayed after the favourite position	50
<code>pollInterval</code>	seconds between requests	2
<code>refreshInterval</code>	minutes until a full synchronisation	15
<code>debugLevel</code>	0 = off, 1 = normal, 2 = detailed	1
<code>language</code>	<code>auto</code> = controller language, <code>en</code> , <code>de</code> or <code>pl</code> ; takes effect after restarting the QuickApp	auto

9. License and trial

The Connector runs for 14 days without a license key with full functionality. After that, display and status messages remain, but control commands are blocked until a valid key is entered.

The key is bound to the serial number of the FIBARO controller (format `HC3-00000000`). The serial number is shown with the License info button or in the controller settings. If the controller is replaced because of a defect, we issue a new key free of charge.

10. Support

We guarantee full functionality and provide technical support.

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When contacting support, please provide: serial number of the FIBARO controller, model and firmware of the Somfy controller, firmware of the FIBARO controller and an excerpt of the QuickApp log with `debugLevel = 2`.