MANUFACTURER VERSION

SOMFY
TAHOMA™ PRO

PRO

somfy.

PROGRAMMING GUIDE

SOMFY TAHOMA PRO

VERSION 1.3 | MARCH 2024 | Prepared by PROJECT SERVICES

TABLE OF CONTENTS

I.   INTRODUCTION

Who is this Guide for?

This guide is aimed at providing support and guidance to manufacturers for setting and programming Zigbee motors prior to distributing products to installers.

What does this Guide contain?

The sections of this guide contain walkthroughs and methods of programming Zigbee motors using the intuitive self-guiding TaHoma pro manufacturer app. This app is used for setting rotation direction and end limits of various window coverings operating with Somfy Zigbee motors. The TaHoma pro app also allows for programming remotes to individual motors and includes advanced features that cannot be set via the Ysia remotes.

This guide discusses the programming of motors with the Somfy TaHoma pro app.

For questions or assistance please contact technical support:

(800) 22-SOMFY (76639)

technicalsupport_us@somfy.com

How should this Guide be used?

This guide is intended to be used as a reference manual.

II. OVERVIEW

DESCRIPTION

TaHoma pro is a mobile app dedicated to professionals that streamlines the entire motor setting process. This app offers simple and intuitive fabrication, motor setting, and installation of Somfy-powered smart shading solutions with Zigbee technology.

- Motors are configured quickly and efficiently through a step-by-step process from the app
  - Every step to configure the motor is done via Bluetooth with the app
- Each motor has a QR code to scan for a one-to-one connection, eliminating crosstalk

This Manufacturer Version guide is designed for configuring Zigbee motor settings and other advanced features via a mobile device in the factory.

RESOURCES & APPLICATIONS

Visit Somfy U for all the training you need — your pace, your place www.somfyu.com

Additional individual product information is available on Somfypro.com

Subscribe to the Somfy YouTube Channel www.youtube.com/somfysystems

Visit the iOS App Store or Google Play for the Somfy TaHoma pro app:

SMART PHONE OR TABLET REQUIREMENTS

The TaHoma pro app is compatible with the following operating systems and software versions:

iOS: 15.0 or later

Android: 8.0 and up

Ensure the app is up to date for the mobile or tablet device

Create and manage users from the SomfyPro portal

Refer to the Set Up section of this guide to create an account.

MOBILE DEVICE CONFIGURATION

- Bluetooth must be enabled on mobile device
- Must allow permission for camera, location, and cellular data
- Internet access is required to login and have full access to the TaHoma pro app

PRODUCT COMPATIBILITY

Below is a list of Zigbee products and their compatibility with the TaHoma pro app.

COMPATIBLE PRODUCTS:

WIREFREE
Sonesse® ULTRA 30 WireFree Zigbee (Li-ion) #1241752

Sonesse® 28 WireFree Zigbee (Li-ion) #1241755

Sonesse® 28 WireFree Zigbee (External Battery) #1241754

Cord Lift 25 WireFree™ Zigbee (External Battery) #1241780 - *Excludes Tilt Functionality*

Tilt 50 WireFree™ Through-Shaft Zigbee (External Battery) #1241783

WIRED
Sonesse® 30 24V DC Zigbee #1241970

Glydea® ULTRA 35 & Zigbee (2-Way) Module for Glydea® ULTRA Motors #9000043

Glydea® ULTRA 60 & Zigbee (2-Way) Module for Glydea® ULTRA Motors #9000043

USING MOTOR LABELS

Each Somfy Zigbee motor is supplied with 4 motor information labels that include the QR code to scan motors. The QR code is the address label for the motor and will be scanned into the TaHoma pro app to make a secure connection with the motor. These codes will be used for the life of the product.

DO NOT DISCARD THE MOTOR INFORMATION LABELS!

One of the motor information labels should remain on the body of the motor. The other three labels should be shipped in the packaging of the motorized product, see below for recommended locations to use the labels.

Suggested locations for the Motor Information Labels:

- Finished motorized products:
  Examples:
    - Removeable shade hem bar
    - Accessible motor cable
    - Motor cover (for drapery)
- Inside the valance, headrail, or cassette of the motorized product
- Work order sheet used in project planning
- Product packaging used for shipping

Example above: On motor tube

Example above: Shade hem bar

III. BEFORE YOU BEGIN

POWER MOTORS

Sonesse® 30 24V DC Zigbee:
- The Sonesse® 30 Zigbee motor has a hardwired 7.5 in. (190mm) pigtail with Weidmuller connectors. Following electrical local codes, apply power to the motor before proceeding. Power supply options include a Wall Mount Power Supply or a Somfy Power Distribution Panel.

Drapery Zigbee:
- The Glydea Ultra 35 & 60 Zigbee motors come with a 10 ft. integrated power cable including a molded NEMA 5-15 plug that can be plugged into a 120V outlet.

WireFree Zigbee:
Lithium-Ion motors
- Lithium-Ion (Li-Ion) motors do not require external power supplies to power the motor. All Li-Ion motors have embedded batteries in the body of the motor. All motors must be charged prior to installation.

External battery motors
- WireFree motors without embedded batteries require an external power source, such as Rechargeable Lithium-ion Battery Packs or Wall Mount Power Supplies.

Waking the WireFree motor:

All WireFree motors:
- Using a small paper clip or similar, BRIEFLY PRESS the recessed Programming button located on the head of the motor or plug in the battery supply/charger.

    GREEN LED is solid for 2 seconds - the motor will jog (briefly move up and down)

   AMBER LED blinks continuously during the setup process

IV. SET UP

A SomfyPro account is required to access the TaHoma pro app. For first time access to a TaHoma pro account, follow the steps below. Manufacturers must set up one main company account with sub accounts for additional user access. This account management is required to have the app available at multiple fabrication stations for various product applications. Sign in to SomfyPro.com for this level of account management.

1. Open the TaHoma pro app, then SELECT "Don't have access yet?"

2. Complete the Somfy TaHoma Pro Account Setup Form, then SELECT "Submit"

   The SomfyPro account validation may take 1 business day before access is available.

   An email notification validating SomfyPro access will be sent to the account email address detailed in the request.
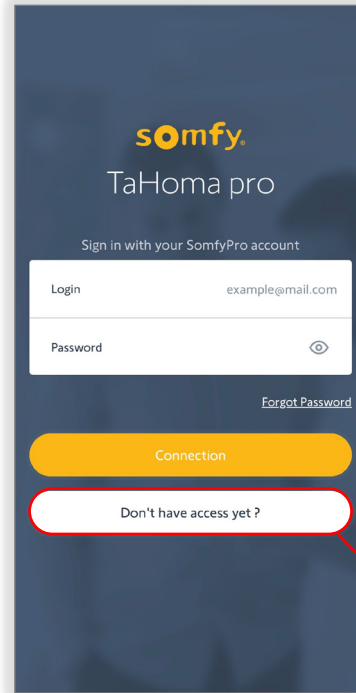
3. SELECT "Return"

4. Upon receipt of the validation email, follow the steps to set the account password
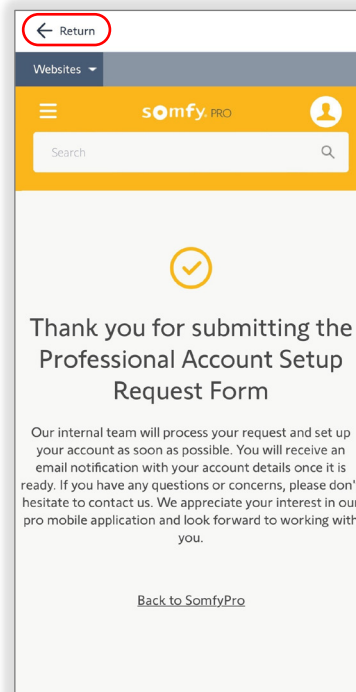
A SomfyPro account is required to access the TaHoma pro app. Refer to the [Create Account section](#) of this guide to request access. Internet access is required to login and have full access to the TaHoma pro app.
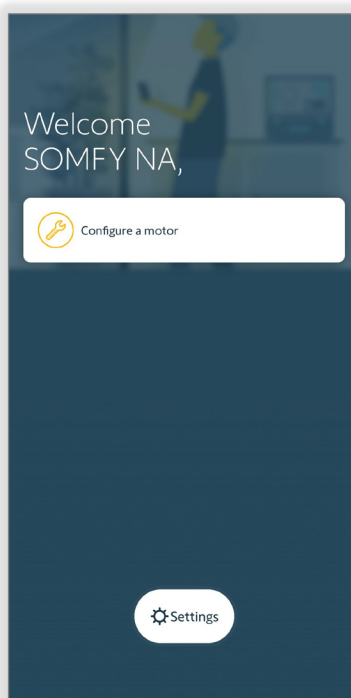
1. ENTER the Login email address and Password

2. SELECT "Connection"

3. ACCEPT the general terms of service and conditions of service use by enabling the toggle button.

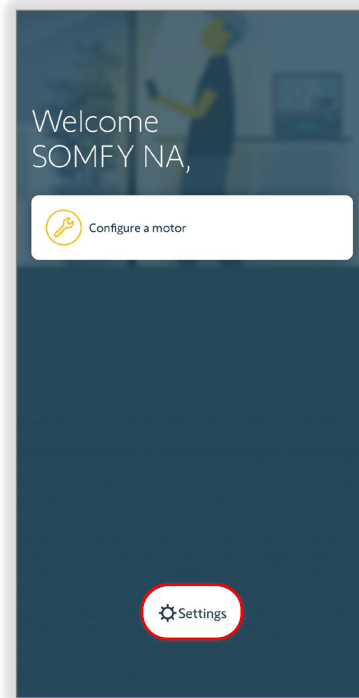   *This is required upon the initial TaHoma pro app connection.*

4. SELECT "Next"
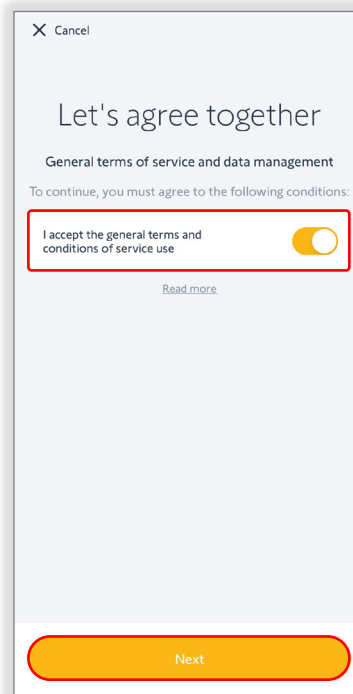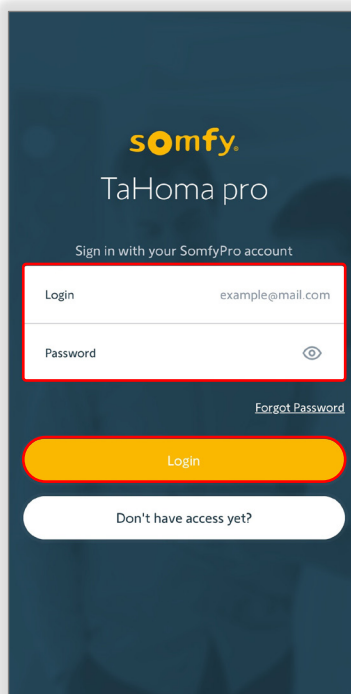
The TaHoma pro app is available for use after a successful connection.

Upon initial launch of the TaHoma pro app, default preferences are set. These preferences can be changed at any time in Settings.

1. SELECT "Settings"

2. SELECT the following preferences:

   QR code scanner
   Select the default QR code scanner

   Default application
   Select one or more application profiles to propose when programming the motors

   Automatic up end limit
   Enable/Disable automatic up end limit to move the motor to the up/open position at the end of the motor programming

   Delivery mode
   Enable/Disable delivery mode to force internal battery motors into delivery mode at the end of the motor programming

3. SELECT "Return" to return to the homepage
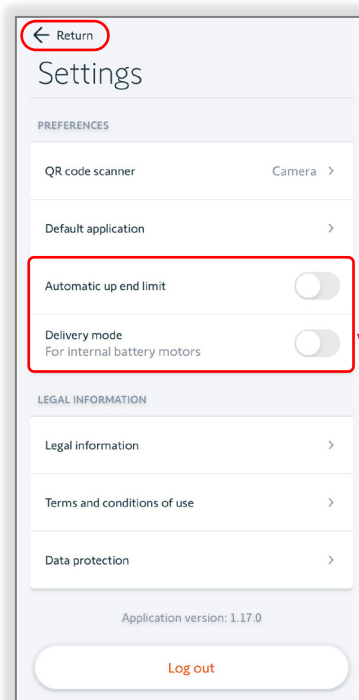
Approved QR Code Scanner:
Tera Pro HW0002 Barcode Scanner
Model ID: FT0126‑3‑JP
This method eliminates the need to use a phone or tablet camera.

These preferences are disabled by default and must remain disabled for the Tilt Only 50 motor.

Enabled   Disabled

SELECT the toggle button to enable or disable

# V.   COMMISSIONING

CONNECT TO A ZIGBEE MOTOR

A mobile device with Bluetooth and a camera or connected barcode scanner are required to connect to Zigbee motors. Motors are shipped in factory mode without set limits or programmed remotes. Once a motor configuration is saved, the motor limits are set. These limits can be changed anytime the TaHoma pro app is connected to a motor. To connect a Zigbee motor, follow the steps below:

1. SELECT "Configure a motor"

2. SCAN the QR code for the motor

    NOTE: Be sure the correct motor QR code is used. Multiple QR code labels are on the body of the motor.

    Additional QR code labels included should be used for project planning purposes, floor plans, cabling, etc.

    If the QR code labels are missing or damaged, a Return Authorization of the product is required.
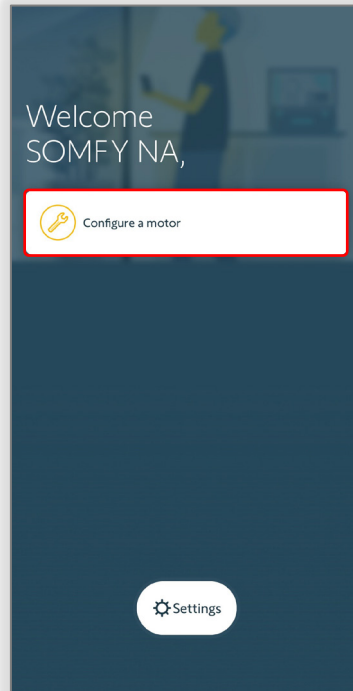
    Follow the app instruction per motor type. Example: Roller motor

3. PRESS the motor program button to wake up the motor, then SELECT "Continue"

    SELECT "Don't show again today" to prevent the display of this prompt.
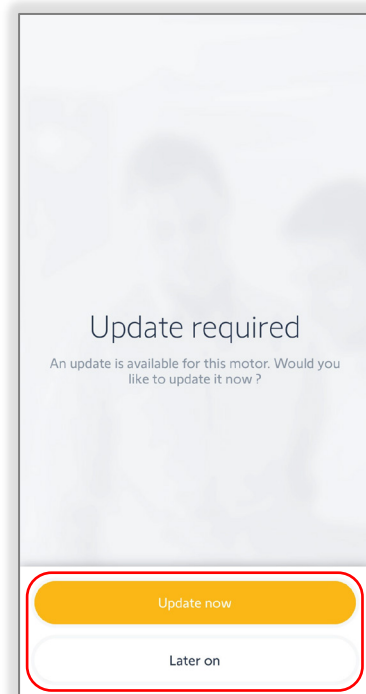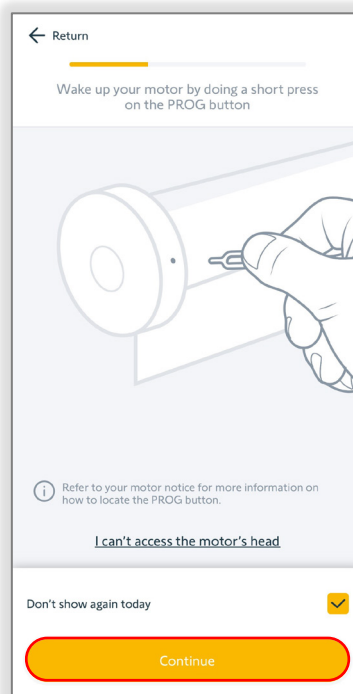
4. If an update is required for the motor, SELECT "Update now"

    OR

    SELECT "Later on" to continue to load the motor settings

    Ensure motors are up to date before delivery.

    The update process may take 3-5 minutes per motor.

Continue to the Configure a Zigbee Motor section of this guide to configure the respective motor type.

Connect to the Motor

Follow the Connect to a Zigbee Motor section of this guide

Select the Type of Application

SELECT the type of application

The application types displayed will vary by the motor type.

Examples: Roller Shade for roller motors or Drapery Central for drapery motors

The application types listed are defined in the TaHoma pro app Settings, Default application preference.
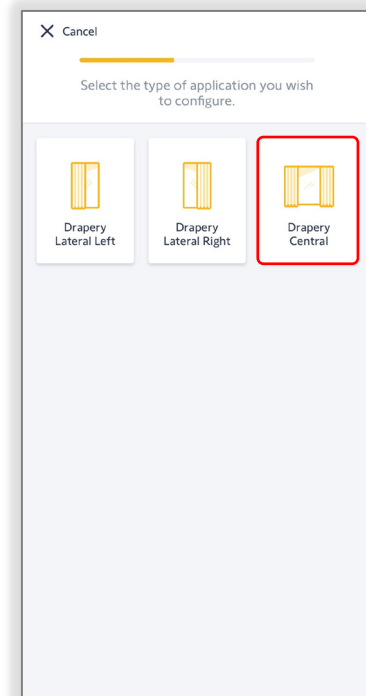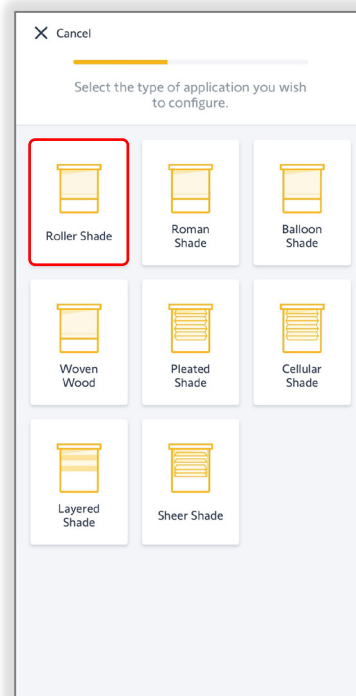
Check the Rotation Direction

1. CHECK the rotation direction

   PRESS & HOLD the UP or DOWN button to move the motor until the button is released

   OR

   PRESS & RELEASE the UP or DOWN button to move the motor in small increments

2. SELECT "Reverse direction" if the motor rotation direction needs to be reversed

   The motor will jog once to confirm the reverse direction.

   A jog is a brief up (open) and down (close) motion of the motor.

3. SELECT "Confirm" to continue to set the motor limits
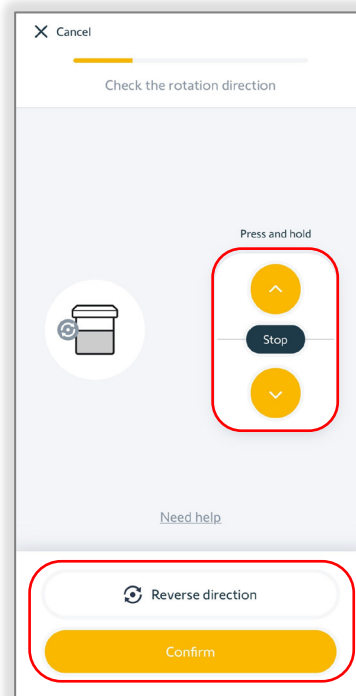
Set the Motor Limits – Up Limit

1. PRESS & HOLD the UP or DOWN button to move the motor in the direction of the up limit
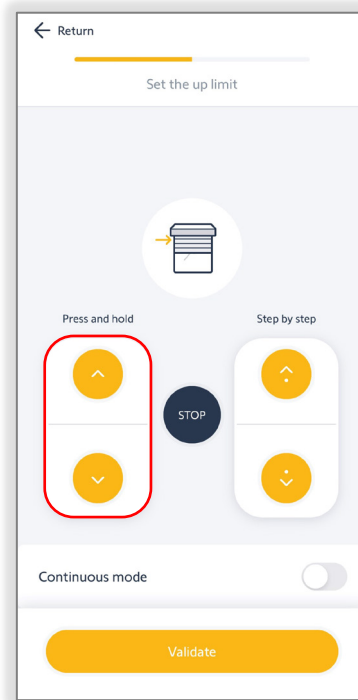
    OR

    ENABLE "Continuous mode"

    Continuous mode allows the motor to continue moving in the selected direction. Unlike the Press & Hold option, Continuous mode requires pressing the Stop button to stop motor movements.

    Take caution when using Continuous mode to prevent damage to the product.

    The motor will not stop automatically when Continuous mode is enabled.

2. PRESS the Continuous switch UP or DOWN button to move the motor in the direction of the up limit

3. PRESS the STOP button prior to reaching the desired up limit

4. PRESS the Step by step UP or DOWN button to move the motor in small increments until the desired up limit is reached

5. SELECT "Confirm" to continue

    The motor will jog once to confirm the up limit is set.
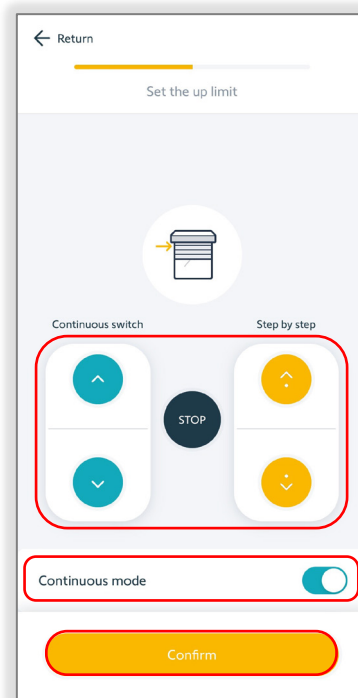
These preferences are disabled by default.

Enabled   Disabled

SELECT the toggle button to enable or disable.

Set the Motor Limits - Down Limit

1. PRESS & HOLD the UP or DOWN button to move the motor in the direction of the down limit

   OR

   ENABLE "Continuous mode"

2. PRESS the UP or DOWN button to continuously move the motor in the direction of the down limit

3. PRESS the STOP button prior to the desired down limit

4. PRESS the Step by step UP or DOWN button to move the motor in small increments until the desired down limit is reached
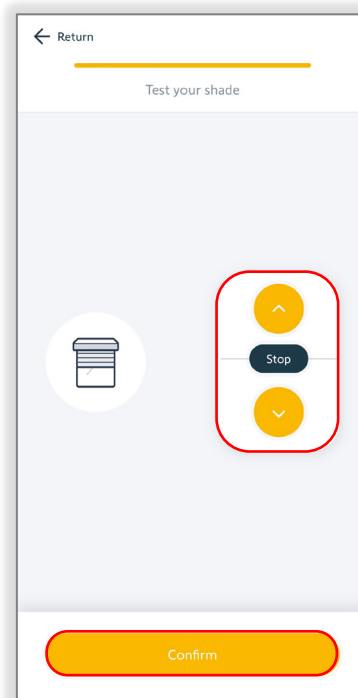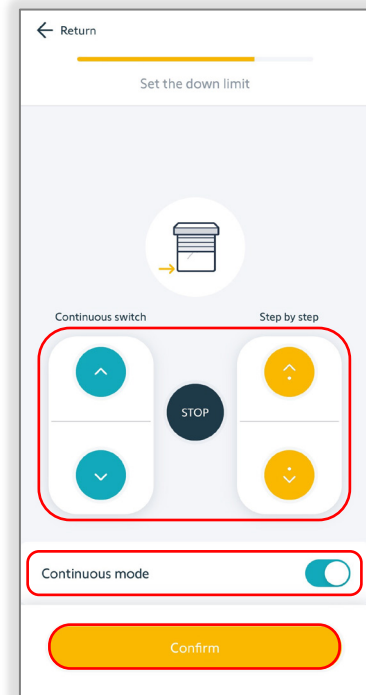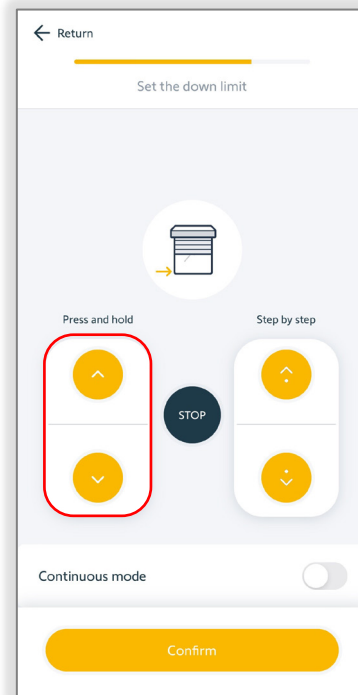
5. SELECT "Confirm" to continue

   The motor will jog once to confirm the down limit is set.

6. TEST operation of the device, then SELECT "Confirm"

   This concludes motor limit setting.

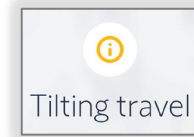   *The app will advance to the motor Information page. Continue to the Name the Motor section of this guide.*

Understanding Tilting Travel

The Tilting travel is the total angle required for the motor to move from a maximum tilted up position to a maximum tilted down position.

+90° = Interior Tilted Up Position
0° = Horizontal Open Position
-90° = Interior Tilted Down Position

Tilting travel

SELECT "I understand" to continue

Set the Tilting Travel

1. SELECT "Up end limit, slats at +90°" to set the tilt up position

2. PRESS & HOLD the UP or DOWN button to move the motor in the direction of the up limit

3. RELEASE the button prior to the desired up limit

4. PRESS the Step by step UP or DOWN button to move the motor in small increments until the desired up limit is reached

5. SELECT "Confirm"

   The motor will jog once to confirm the up limit is set. To prevent damage to the product, avoid over-tightening the blind slats.

6. PRESS & HOLD the UP or DOWN button to move the motor in the direction of the down limit

7. RELEASE the button prior to the desired down limit

8. PRESS the Step by step UP or DOWN button to move the motor in small increments until the desired down limit is reached
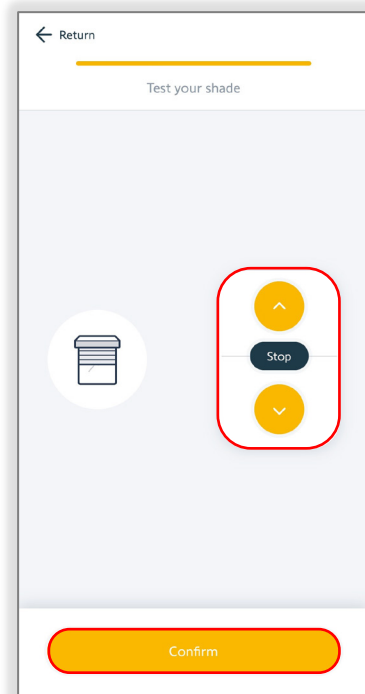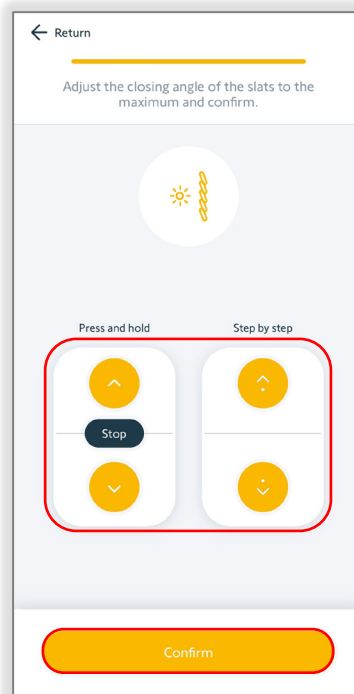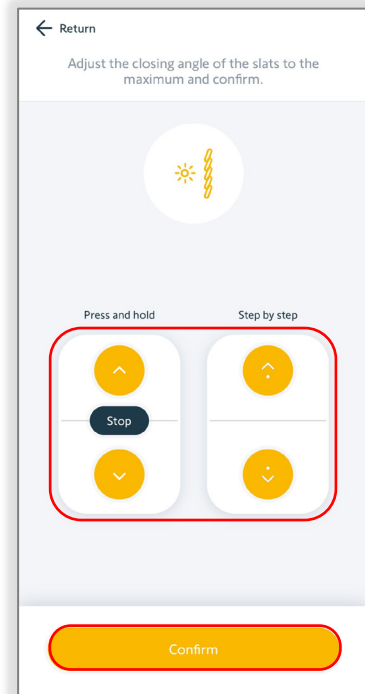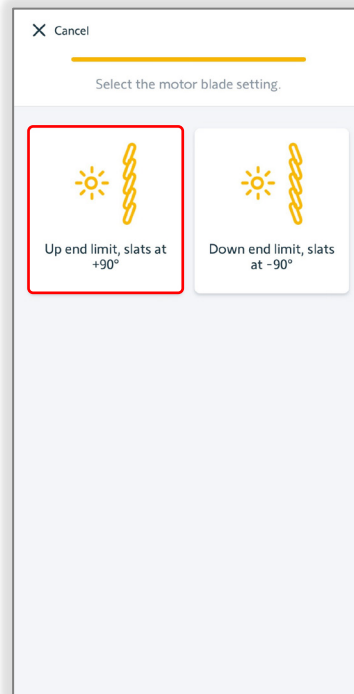
9. SELECT "Confirm" to continue

   The motor will jog once to confirm the down limit is set.

   This concludes motor limit setting.

10. TEST operation of the device, then SELECT "Confirm"

    This concludes motor limit setting.

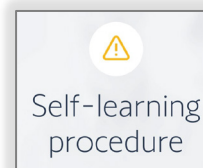   *The app will advance to the motor Information page. Continue to the Name the Motor section of this guide.*

Understanding the Self-Learning Procedure

Drapery motors perform self-learning end limits. At an initial open or close movement, the motor will automatically run to record hard stop positions. Depending on the type and weight of the drapery, end limits may need adjustment.

The limit setting procedure should only be performed with drapery attached to the drapery track. If this is not complete, the motor limits will not be set properly.

SELECT "I understand" to continue

Set the Drapery Motor Limits

1. SELECT "Confirm" to launch the self-learning procedure

   The motor will start moving.

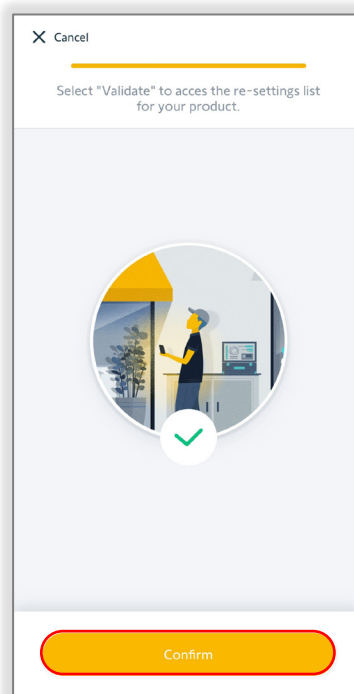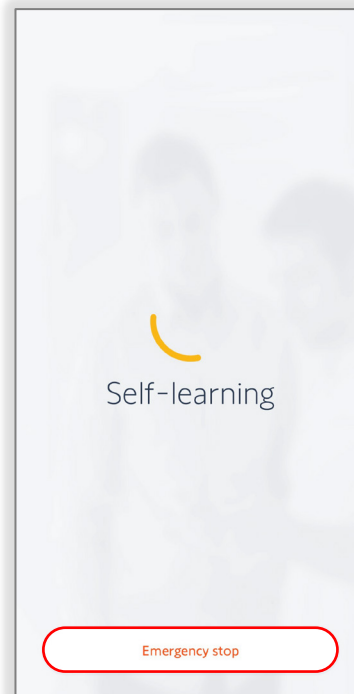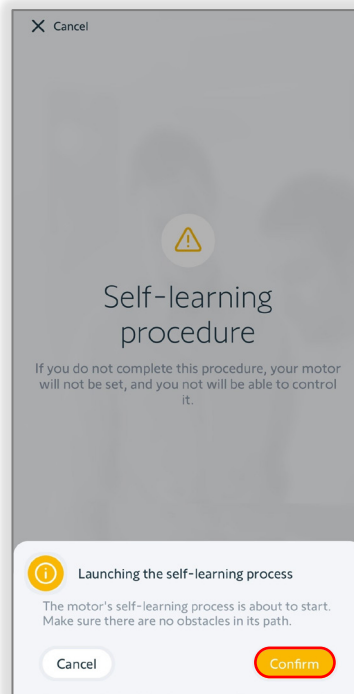   *Ensure there are no obstacles in the path of the product.*

   SELECT "Emergency stop" if the product is not moving properly.

   SELECT "I understand" to restart the self-learning procedure.

2. SELECT "Confirm"

   This concludes motor limit setting.

   The app will advance to the motor Information page. Continue to the Name the Motor section of this guide.

NAME THE MOTOR

Each motor allows for unique naming that is helpful for identifying the products within the systems when installed.

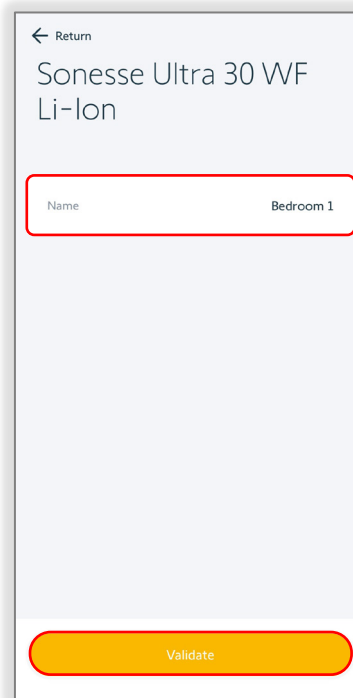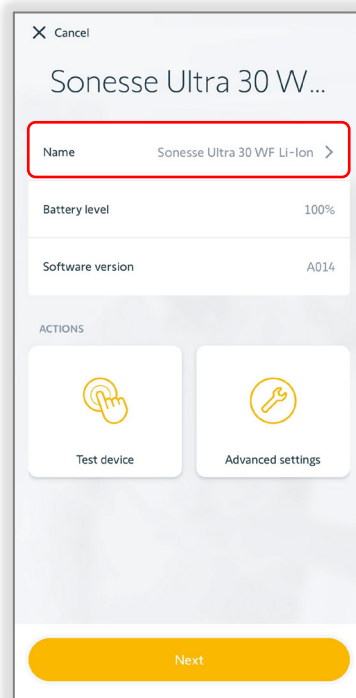1. SELECT "Name"

   The motor model displays by default.

2. ENTER the name in the text field
   Example: Bedroom 1

   The name cannot exceed a 60-character limit.

   After typing the name, press the return key using the mobile device keyboard to close the keyboard.

3. SELECT "Validate"

   The app will return to the motor Information page displaying the new name.

✕ Cancel	
Sonesse Ultra 30 W…	
Name	Sonesse Ultra 30 WF Li-Ion >
Battery level	100%
Software version	A014
ACTIONS	
👆 Test device	🔧 Advanced settings
Next	

← Return	
Sonesse Ultra 30 WF Li-Ion	
Name	Bedroom 1
Validate	

MOTOR INFORMATION

In the Information section, the battery level and motor software version are displayed and do not require adjustment.

Battery level
The current battery level is displayed for battery motors only.

Ensure the battery is fully charged before delivery.

Type
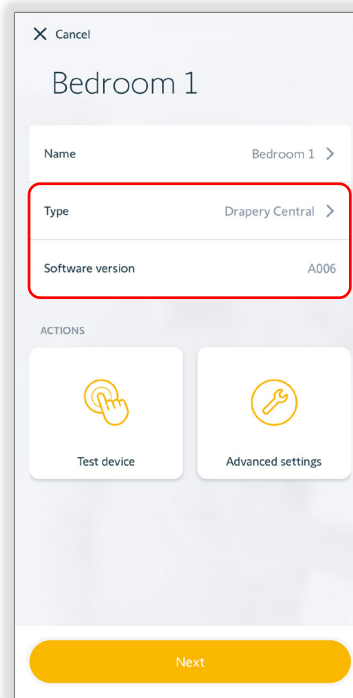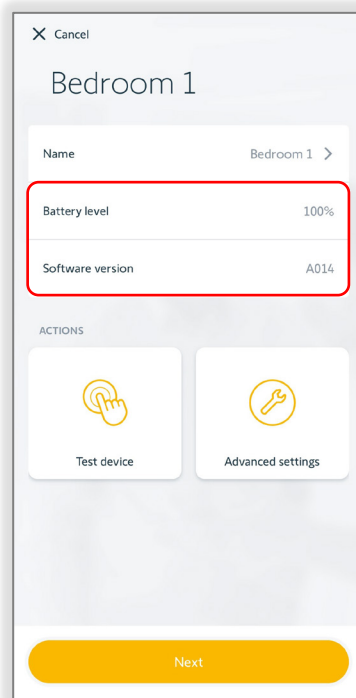The current type of application is displayed for drapery motors only.

Examples: Roller, cord lift, and tilt only battery motors, or drapery motors

Software version
The current motor software version is displayed.

The latest available updates are suggested at the initial TaHoma pro app connection to the motor.

*Ensure the motor is up to date before delivery.*

✕ Cancel	
Bedroom 1	
Name	Bedroom 1 >
Battery level	100%
Software version	A014
ACTIONS	
👆 Test device	🔧 Advanced settings
Next	

✕ Cancel	
Bedroom 1	
Name	Bedroom 1 >
Type	Drapery Central >
Software version	A006
ACTIONS	
👆 Test device	🔧 Advanced settings
Next	

The process of configuring a motor includes testing the settings in the motor prior to completion.

1. SELECT "Test device"

    Testing the motor will confirm the saved limits. These limits and other motor actions are available for change.

    Refer to the Advanced Settings section of this guide to adjust the available settings.
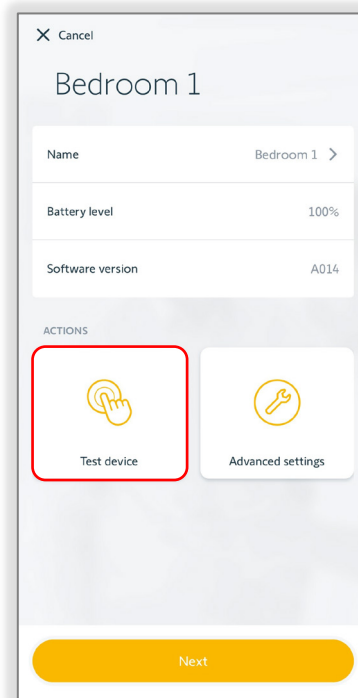
2. SELECT the following to test the motor:

    Open / 100% / +90°
    PRESS to move the motor to the up limit

    STOP
    PRESS to stop motor movements

    my
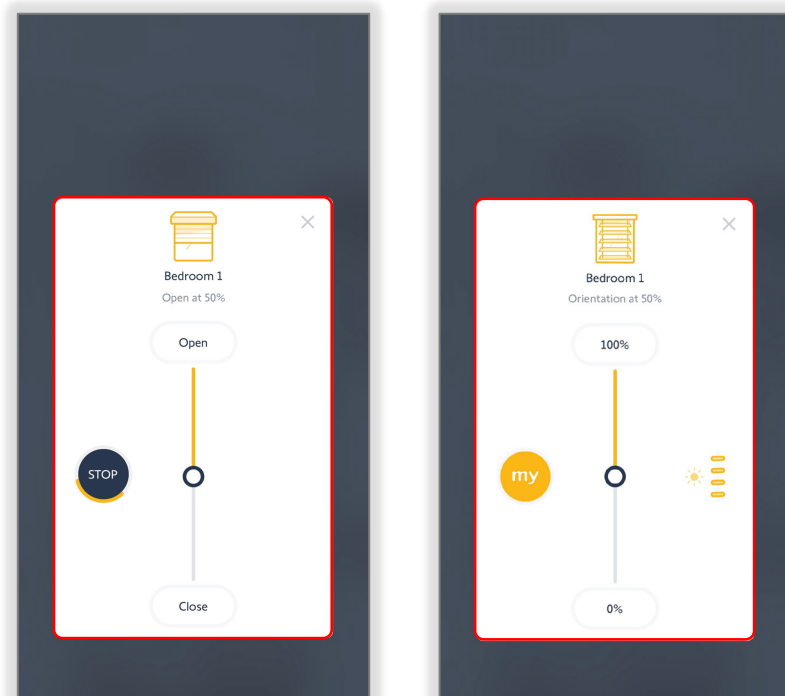   PRESS to move the motor to a saved favorite position

    Refer to the Advanced Settings section of this guide to save the "my" position. The "my" position may not be required for the motor configuration.

    Close / 0% / -90°
    PRESS to move the motor to the down limit

    Slider
    PRESS & RELEASE to move the motor to a percent openness or degree angle position

3. SELECT the X icon in the upper right corner of the window to close the Testing screen

    The motor will stop if moving.

4. SELECT "Next" to pair a remote or exit motor testing and put motors into delivery mode

The optional final step to configure a motor is to pair a remote to the product. The remote must be aligned with the project requirements.
NOTE: Situo® Zigbee remotes cannot be paired with the Somfy Zigbee motors.

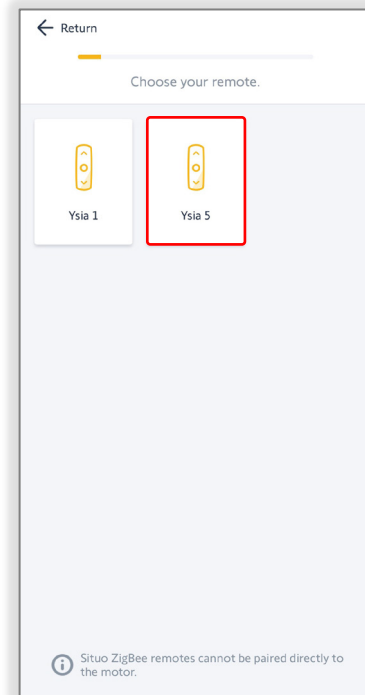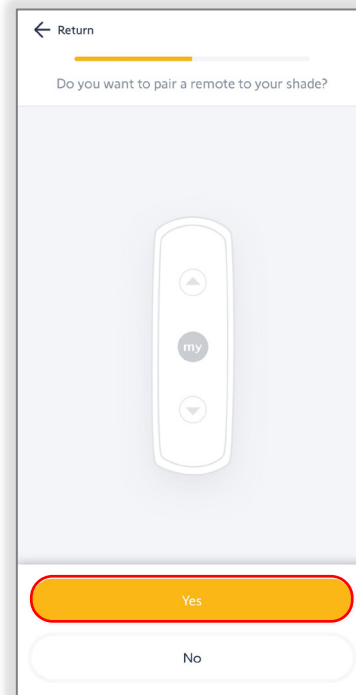*Only one Zigbee remote can be paired to a motor using the TaHoma pro app.*

NOTE: Repeating this process using a different remote will delete the previously paired remote from the motor.

1. SELECT "Yes"

   If "No" is selected, the motor is configured without the remote.

   This will conclude the motor configuration.

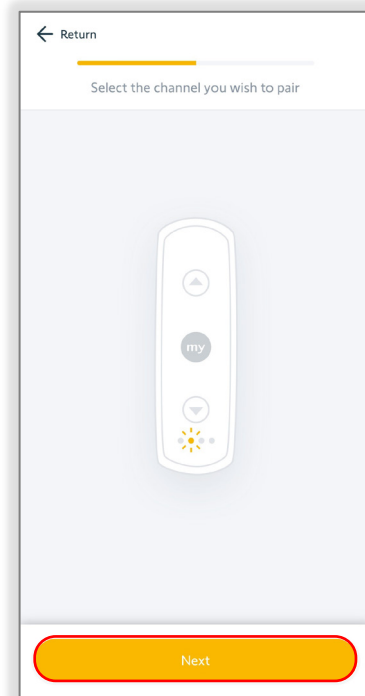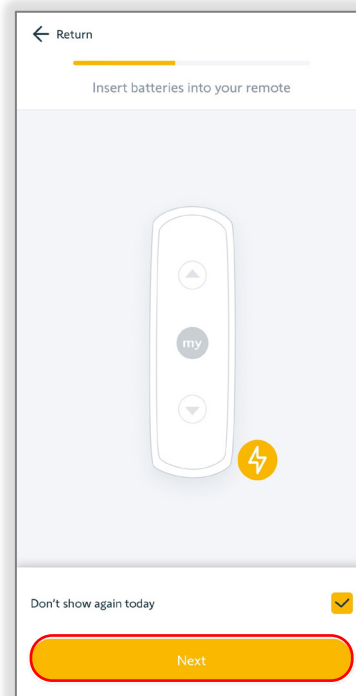2. SELECT a remote
   Example: Ysia 5

3. INSERT batteries into the remote, if not already installed, then SELECT "Next"

   SELECT "Don't show again today" to prevent the display of this prompt.

4. PRESS the Channel Selection button to SELECT the channel of the remote for the motor being paired, then SELECT "Next"

   The motor will jog once.

5. BRIEFLY PRESS the PROG button on the back of the remote

   NOTE: Complete this step within 3 minutes of the previous step.

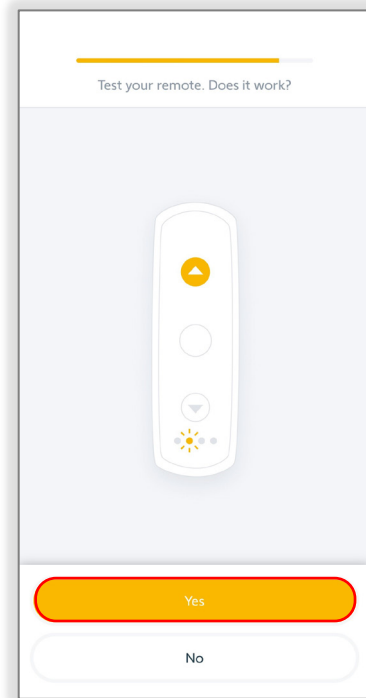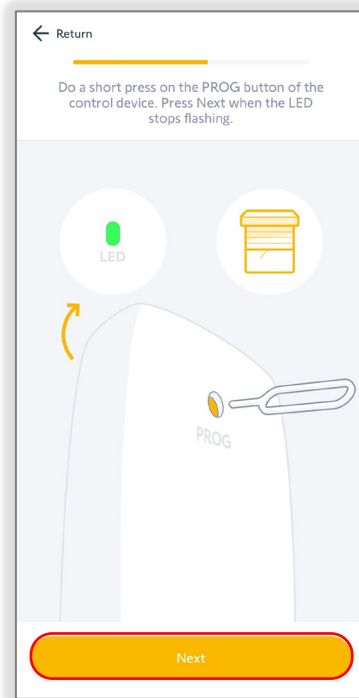   *Keep the remote near the motor.*

   The remote LED will flash AMBER, then flash GREEN once.

6. SELECT "Next" when the remote LED stops flashing

   The motor will jog once to confirm the pairing is set.

7. TEST the remote control, then SELECT "Yes" if the remote operates the motor

   This concludes pairing a control.

   OR

   SELECT "No" if the remote does not operate the motor, to restart this process

   This concludes motor configuration.

   If automatic up end limit and/or delivery mode are enabled, then the motor will move to the up/open position and/or be forced into delivery mode.

   SELECT "Next device" to configure a different motor or SELECT "Return to homepage" to end configuring motors.
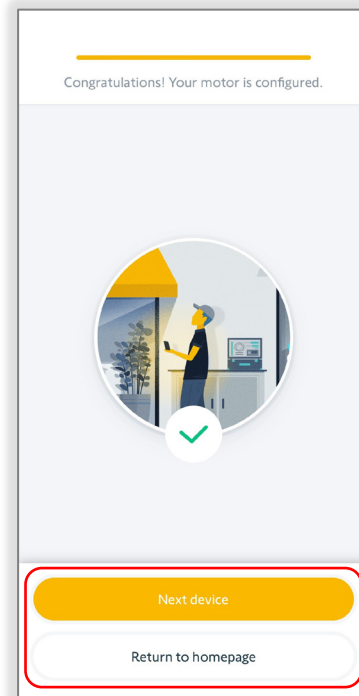
ADVANCED SETTINGS

Once a motor configuration is saved, the motor limits are set. These limits can be changed anytime the TaHoma pro app is connected to a motor using the Advanced settings. The settings of a motor will vary by type of motor. To configure the advanced settings of a motor, follow the steps below:

1. SELECT "Configure a motor"

2. FOLLOW the app instruction to configure a motor

   Refer to the Connect to a Zigbee Motor section of this guide.

3. SELECT "Advanced settings" to adjust the following settings:
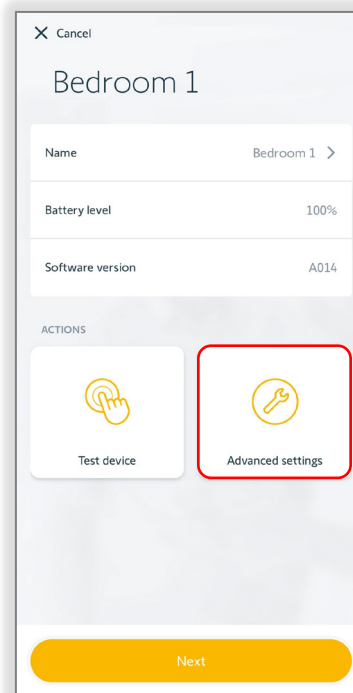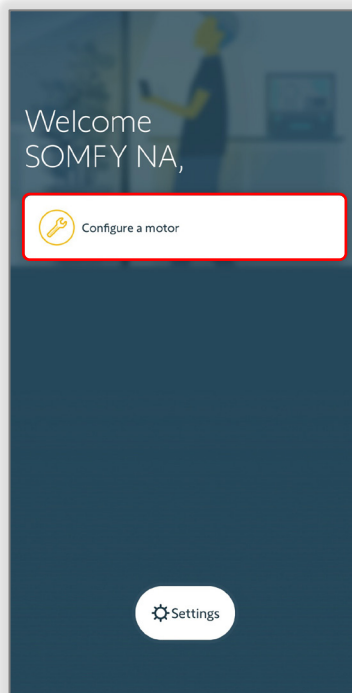
Rotation Direction

1. SELECT "Rotation direction"

   PRESS the UP/OPEN or DOWN/CLOSE button to move the motor

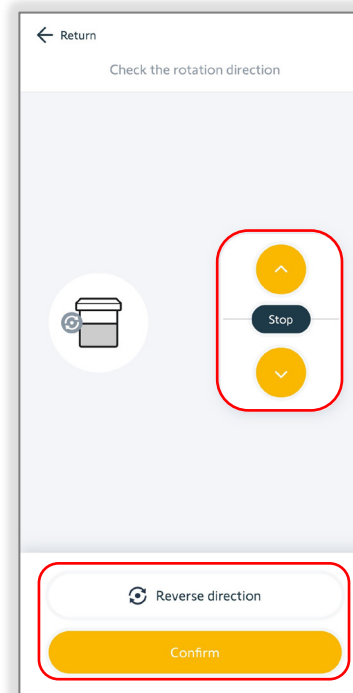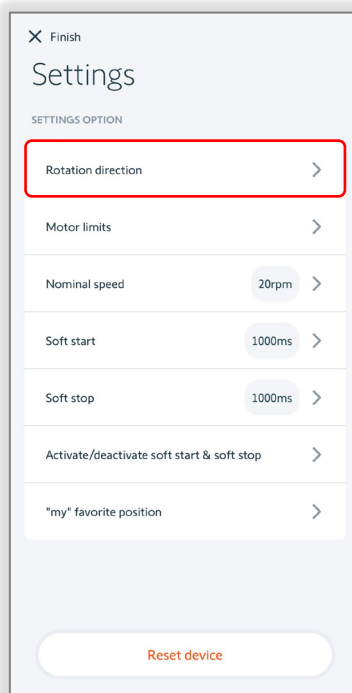2. SELECT "Reverse direction" if the motor rotation direction needs to be reversed

   The motor will jog once to confirm the reverse direction.

   A jog is a brief up/open and down/close motion of the motor.

   The app will confirm the settings have been saved.

3. SELECT "Confirm"

   The app will return to the device Settings page.

   To test the rotation direction, SELECT "Finish," then SELECT "Test device" or use a paired remote to control the motor.

Motor Limits

1. SELECT "Motor limits"

2. SELECT "Up end limit/Open"

    OR

    SELECT "Down end limit/Closed"

    Follow the app instruction to adjust the respective motor limits.

    Example: Roller or cord lift motors

3. PRESS & HOLD the UP or DOWN button to move the motor in the direction of the new limit

    OR

    ENABLE "Continuous mode"

    Continuous mode allows the motor to continue moving in the selected direction. Unlike the Press & Hold option, Continuous mode requires pressing the Stop button to stop motor movements.

   ***The motor will not stop automatically when Continuous mode is enabled.***

    Take caution when using Continuous mode to prevent damage to the end product.

4. PRESS the Continuous switch UP or DOWN button to move the motor in the direction of the new limit

5. PRESS the STOP button prior to the desired limit

6. PRESS the Step by step UP or DOWN button to move the motor in small increments until the desired limit is reached
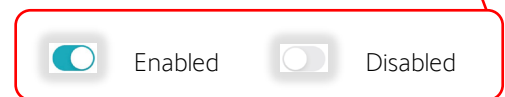
7. SELECT "Confirm"

    The motor will jog once to confirm the limit is set.

    The app will confirm the settings have been saved and return to the device Settings page.

    To test the motor limits, SELECT "Finish," then SELECT "Test device" or use a paired remote to control the motor.
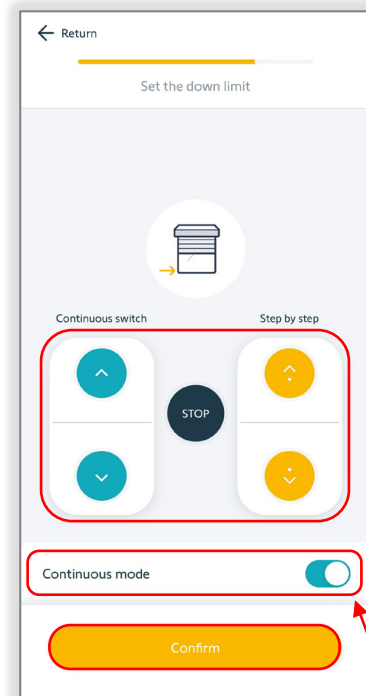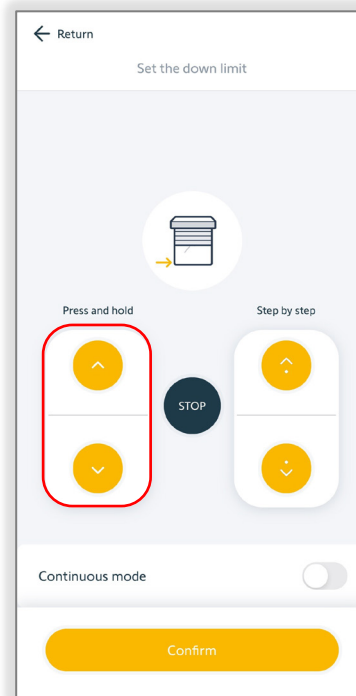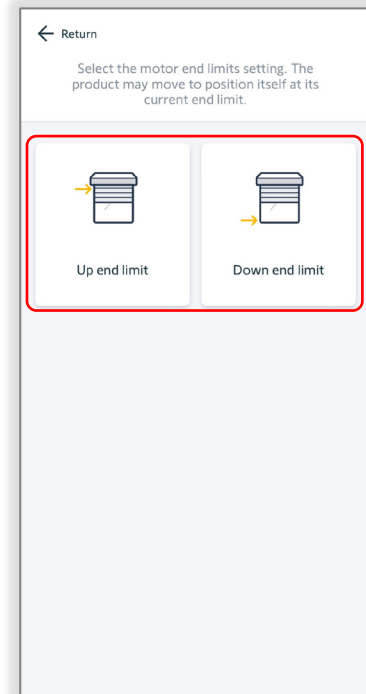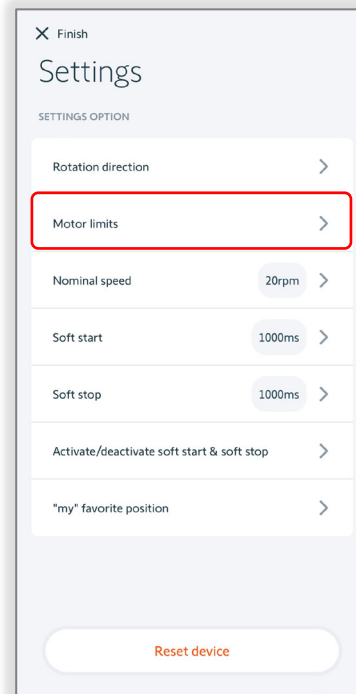
These preferences are disabled by default.

Enabled   Disabled

SELECT the toggle button to enable or disable.

Nominal Speed

1. SELECT "Nominal speed"

2. PRESS & RELEASE the slider to adjust the speed
   Example: 20rpm

   Drapery motor nominal speed options are Low (Silent), Standard, High, or Very high. If the physical speed selector on the drapery motor is set to Silent, the nominal speed will be set to Low.

3. SELECT "Confirm"

   The app will confirm the settings have been saved and return to the device Settings page.

   To test the speed, SELECT "Finish," then SELECT "Test device" or use a paired remote to control the motor.
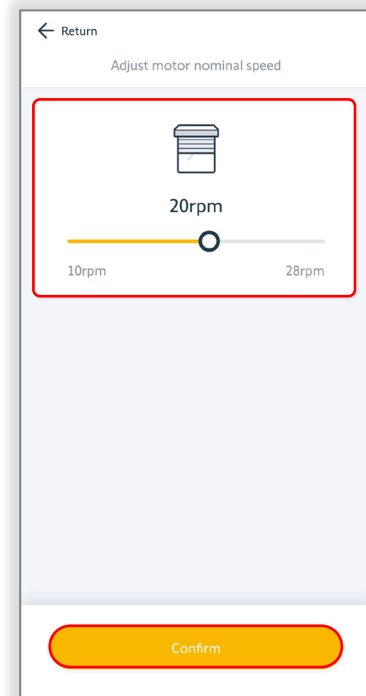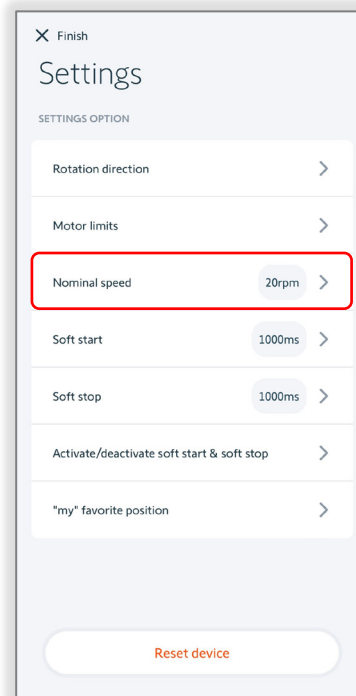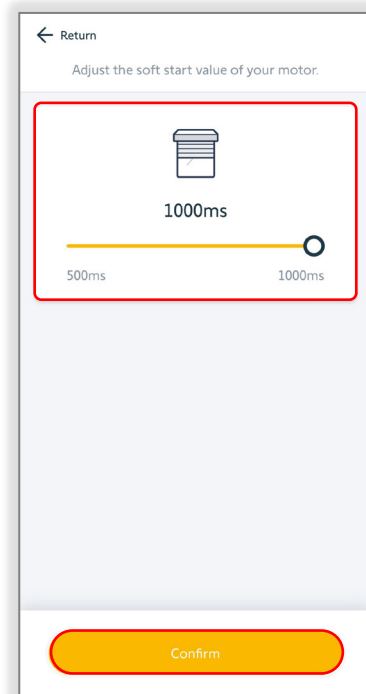
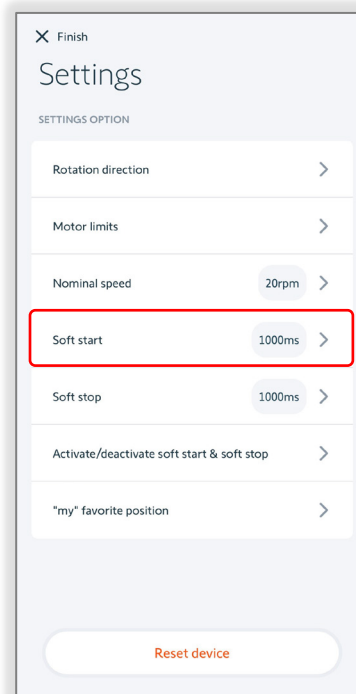## Soft Start

Soft start is not available for drapery motors.

1. SELECT "Soft start"

2. PRESS & RELEASE the slider to adjust the soft start
   Example: 1000ms

3. SELECT "Confirm"

   The app will confirm the settings have been saved and return to the device Settings page.

   To test the soft start, SELECT "Finish," then SELECT "Test device" or use a paired remote to control the motor.
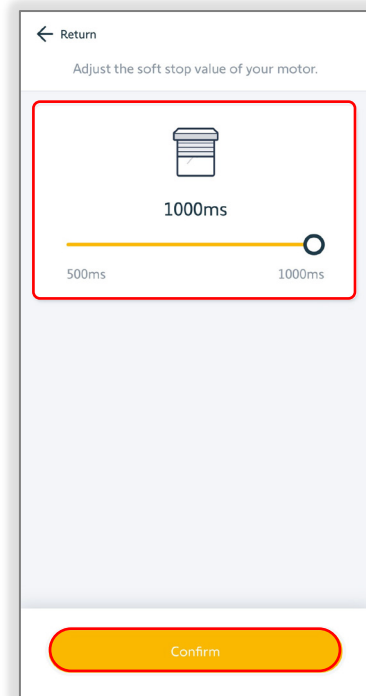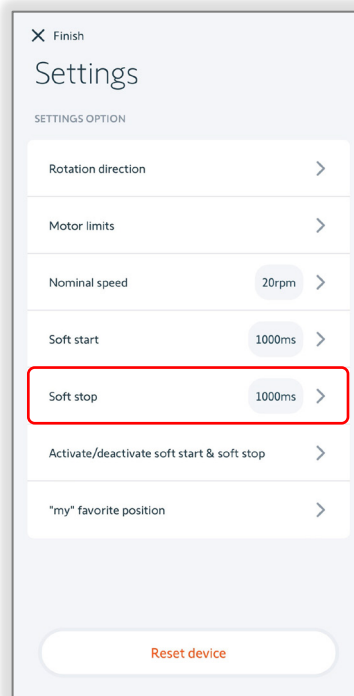
Soft Stop

Soft stop is not available for drapery motors.

1. SELECT "Soft stop"

2. PRESS & RELEASE the slider to adjust the soft stop
Example: 1000ms

3. SELECT "Confirm"

   The app will confirm the settings have been saved and return to the device Settings page.

   To test the soft stop, SELECT "Finish," then SELECT "Test device" or use a paired remote to control the motor.

Settings

X Finish

SETTINGS OPTION

Rotation direction		>
Motor limits		>
Nominal speed	20rpm	>
Soft start	1000ms	>
Soft stop	1000ms	>
Activate/deactivate soft start & soft stop		>
"my" favorite position		>

Reset device

← Return

Adjust the soft stop value of your motor.

1000ms

500ms   1000ms

Confirm

Activate/Deactivate Soft Start & Soft Stop

Soft start & soft stop are not available for drapery motors.

1. SELECT "Activate/deactivate soft start & soft stop"

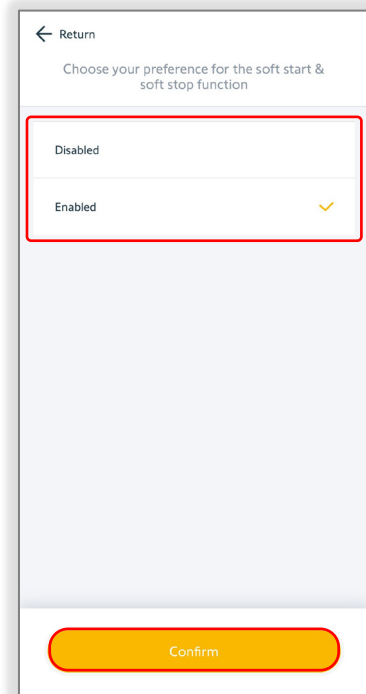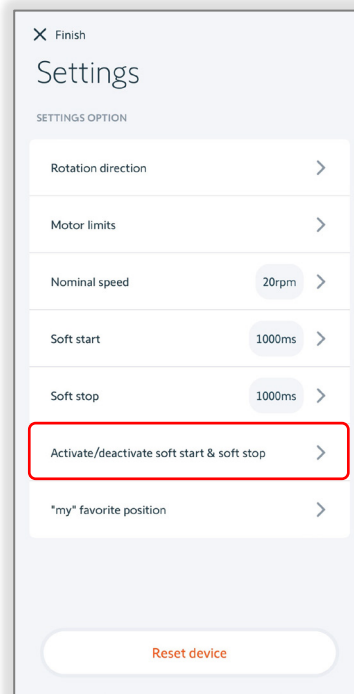2. SELECT "Disabled" to deactivate soft start & soft stop

   OR

   SELECT "Enabled" to activate soft start & soft stop
   Example: Enabled

3. SELECT "Confirm"

   The app will confirm the settings have been saved and return to the device Settings page.

   The soft start & soft stop times will continue to display when this setting is disabled.

   To test the soft start & soft stop, SELECT "Finish," then SELECT "Test device" or use a paired remote to control the motor.
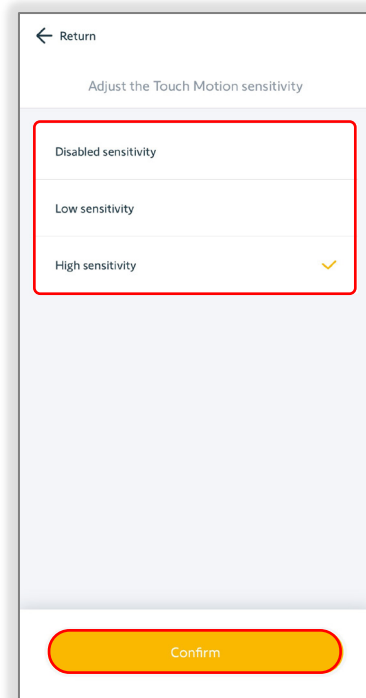
Settings

X Finish

SETTINGS OPTION

Rotation direction		>
Motor limits		>
Nominal speed	20rpm	>
Soft start	1000ms	>
Soft stop	1000ms	>
Activate/deactivate soft start & soft stop		>
"my" favorite position		>

Reset device

← Return

Choose your preference for the soft start & soft stop function

Disabled

Enabled   ✓

Confirm

Touch Motion Sensitivity

Touch motion is only available for drapery motors.

1. SELECT "Touch Motion sensitivity"

2. SELECT the desired setting
   Example: High sensitivity

3. SELECT "Confirm"

   The app will confirm the settings have been saved and return to the device Settings page.

   To test the touch motion, SELECT "Finish," then attempt to manually move the drapery product.
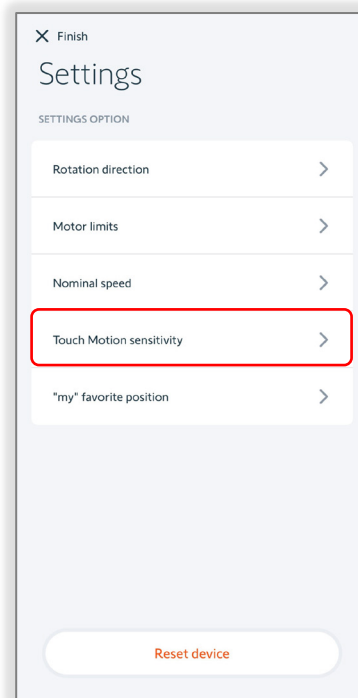
"my" Favorite Position

1. SELECT ""my" favorite position"

2. PRESS & RELEASE the slider to move the motor to a favorite position
   Example: 50%

3. SELECT "Confirm"

   The motor will jog to confirm the "my" position is saved.

   The app will confirm the settings have been saved and return to the device Settings page.

   To test the "my" position, SELECT "Finish," then SELECT "Test device" or use a paired remote to control the motor.
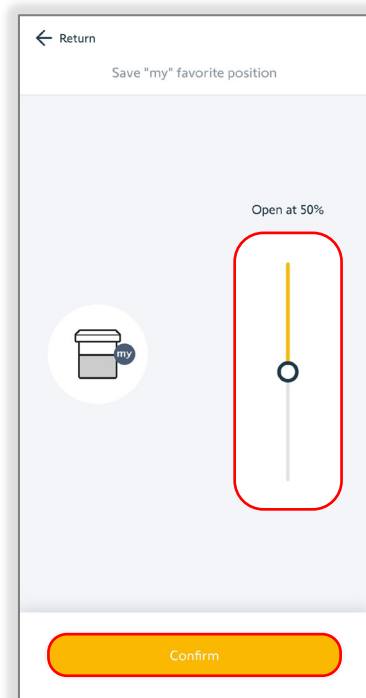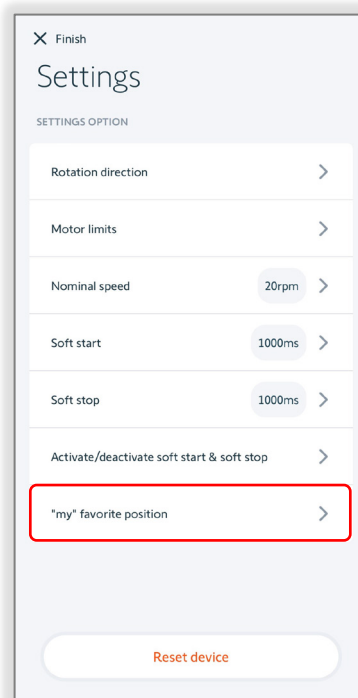
Reset Device

Reset device will factory reset the motor. The saved motor configuration will be erased, and the device will be reset to factory default settings, as well as remove all Ysia remote pairing.
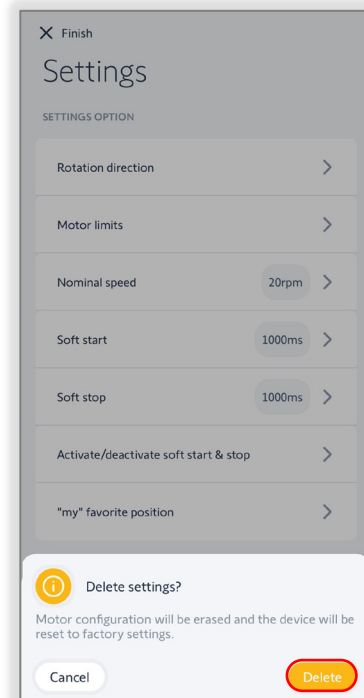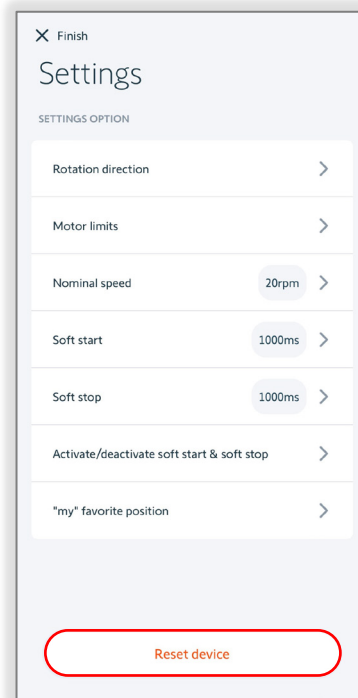
1. SELECT "Reset device"

2. SELECT "Delete"

   The app will confirm the settings have been deleted.

   The motor will jog to confirm the motor is reset.

   The app will return to the homepage.

   The motor is now factory reset.

FOR QUESTIONS OR ASSISTANCE PLEASE CONTACT TECHNICAL SUPPORT:

(800) 22-SOMFY (76639)

technicalsupport_us@somfy.com

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