INTEGRATION GUIDE

ALARM.COM® INTEGRATION for TAHOMA® SWITCH



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ALARM.COM® INTEGRATION for TAHOMA®

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I. INTRODUCTION

The Somfy Organization's strength has been demonstrated with 50 years of experience in motorization. As leaders in the shading industry with innovative and modern solutions for homes and commercial buildings, Somfy offers the widest range of strong, quiet motors and controls for all types of applications and technologies.

Who is this Guide for?

This guide is aimed at providing support and guidance to homeowners, installers, and dealers for achieving complete automation of ZigBee® and Radio Technology Somfy® (RTS) motors with the TaHoma® switch.

What does this Guide contain?

The sections of this guide contain walkthroughs and methods of controlling ZigBee and RTS motors using the TaHoma® switch as the bridge between Alarm.com and Smart Shading by Somfy.

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

The Somfy TaHoma® switch provides a single platform for Somfy Zigbee and RTS with a wide range of interior and exterior applications.

- The TaHoma system supports up to 50 Zigbee devices and 40 RTS channels
  - Join up to 10 TaHoma switch hubs for multi-zone control (RTS only)
- The TaHoma system supports a maximum of 40 scenes with schedules per install

Each TaHoma switch is connected to Wi-Fi or directly to the local area network by an optional Ethernet adaptor for IP Integration with third-party control systems. TaHoma is compatible with the Somfy Synergy™ API.

Details of this controller and commissioning instructions are available in the Somfy TaHoma switch Programming Guide.

RESOURCES & APPLICATIONS

Visit www.somfypro.com for the following guides:

- Somfy TaHoma pro Dealer Version Programming Guide
- Somfy RTS Pocket Programming Guide

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

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

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

SCAN ME

Visit the Google Play or iOS App Store for the Alarm.com app:

Google Play Store

iOS App Store

SYSTEM REQUIREMENTS

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

IOS 11.0+

Android 7.0+

works with ALARM.COM®

III. INSTALLATION

BUTTONS & INDICATORS

TaHoma® switch #1871037
TaHoma® switch (with ethernet adaptor) #1871038

TOP LED BEHAVIOR:

BLUE
WI-FI SETTING PROCESS

WHITE
WI-FI SEARCH – 2 TIMES
WI-FI LOST – 1 TIME

RED
SCENE STOPPED - SOLID
CONNECTION OUTAGE - BLINKING

OFF
STANDING BY

AMBER
RESTARTING

GREEN
TAHOMA PRO MODE

Scene 1 Button
Control customized scene 1

Stop Button
Stop scene underway

Scene 2 Button
Control customized scene 2



BOTTOM LED BEHAVIOR:

WHITE
POWERED,
CONNECTED TO CLOUD SERVER – SOLID
(CAN BE DEACTIVATED)

RED
POWERED,
NOT CONNECTED TO CLOUD SERVER - SOLID

OFF
NOT POWERED

Micro USB Port
Connect power or Ethernet Adaptor



Reset Button
PRESS & HOLD to reset TaHoma switch

TaHoma® Ethernet Adaptor #1870470
(Sold Separately)
Connect for a wired local area network connection

Micro USB
Connect to TaHoma® switch for power and Ethernet



Ethernet Port
Connect to network router or switch

Micro USB Port
Connect power through Ethernet Adaptor

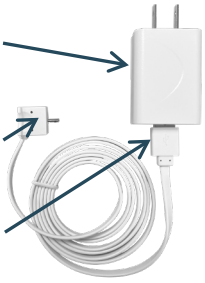
LED BEHAVIOR:
GREEN
ETHERNET CONNECTION
AMBER
DATA TRANSFER

Plug-in Power Supply Required
(Included with TaHoma® switch)
Connect to line-voltage to power TaHoma switch

Power Supply
Plug-in Transformer to line-voltage outlet

Micro USB
Connect power to TaHoma switch

Standard USB
Connect cable to Transformer



Ysia 1 & 5 Zigbee Remotes
Ensure the remote is powered
Pressing any button will illuminate the LED(s)

Ysia 1 Zigbee #1871153
Ysia 5 Zigbee #1871154

Status LED Indicator
Commands and Zigbee network activity

UP Button

MY/STOP Button

DOWN Button

Channel LED Indicator
Show channel selected

Channel Selection Button
Select channel

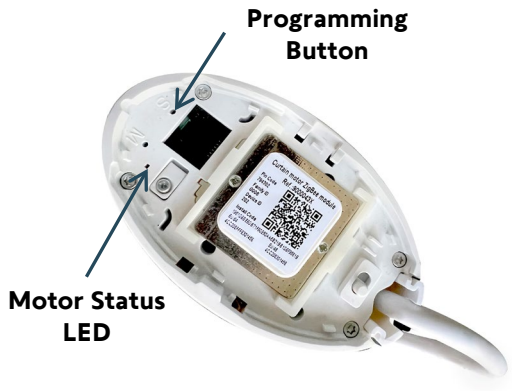
Programming Button
Pair and reset products



BUTTONS & INDICATORS

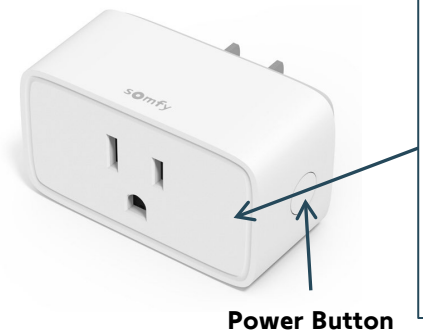
WAKING THE MOTOR:
Ensure the motor has required power available.
Using a small paper clip or similar, BRIEFLY PRESS the Programming Button on the head of the motor
OR
PLUG IN the battery supply/charger.
The motor will jog (briefly move up and down), and the LED will illuminate GREEN for 2 seconds.
The LED will blink AMBER continuously during programming.

DRAPERY MOTOR



Smart Plug Zigbee #1871217

Ensure the Smart Plug is plugged into a properly powered outlet
QR Code and power button are on opposite sides of the plug



LED BEHAVIOR:

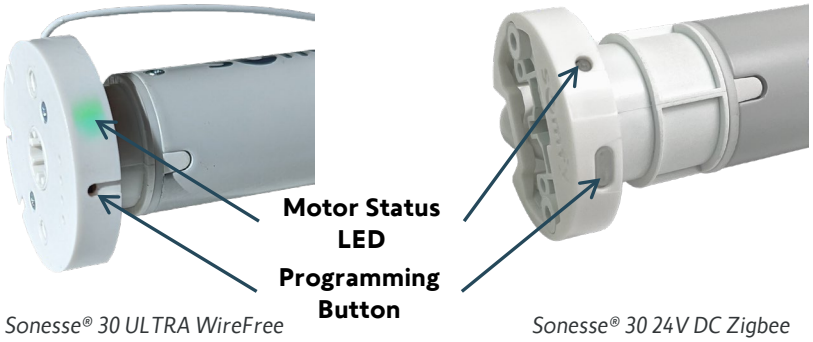
RED
NOT CONNECTED – SOLID 3s
OUTPUT OFF – SOLID

AMBER / GREEN
PAIRING MODE – BLINKING

GREEN
CONNECTED – SOLID 3s
POWERED – SOLID

OFF
NOT PAIRED
NOT POWERED

ROLLER MOTOR



Sonesse® 30 ULTRA WireFree Li-Ion Zigbee shown above (Same for Sonesse® WireFree™ motors)

Sonesse® 30 24V DC Zigbee shown above

MOTOR STATUS LED BEHAVIOR:

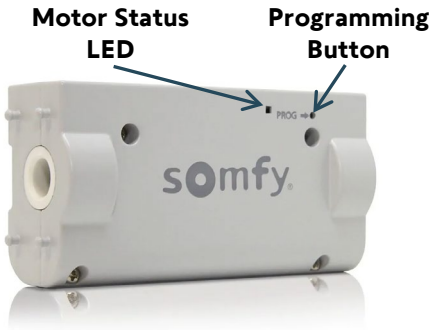
AMBER
MOTOR IS NOT SET
IN SETTING MODE
IN ADJUSTMENT MODE

GREEN
MOTOR IS CHARGING
CONFIRMED SETTING

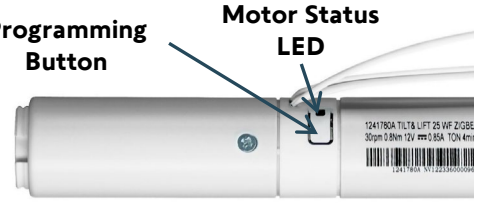
RED
LOW BATTERY CHARGE
THERMAL PROTECTION
IMPOSSIBLE SETTING

OFF
PAIRED AND OPERATIONAL

TILT MOTOR



CORD LIFT MOTOR



IV. SYSTEM PREPARATION

SOMFY SYSTEM

A fully operational TaHoma system is required prior to Alarm.com programming. The TaHoma system supports up to 50 Zigbee devices and 40 channels of RTS. RTS devices programmed to an RTS channel will only receive commands from the associated TaHoma switch hub. Hubs must be placed within 25-35' of the devices they control.

- Confirm with Shade Commissioning Agent that the TaHoma switch firmware is up to date
- Must have one Alarm.com account per TaHoma system or project

Product Compatibility:

Alarm.com integration doesn't support TaHoma Smart Plugs.

ALARM.COM SYSTEM

A fully operational Alarm.com system is required prior to TaHoma integration.

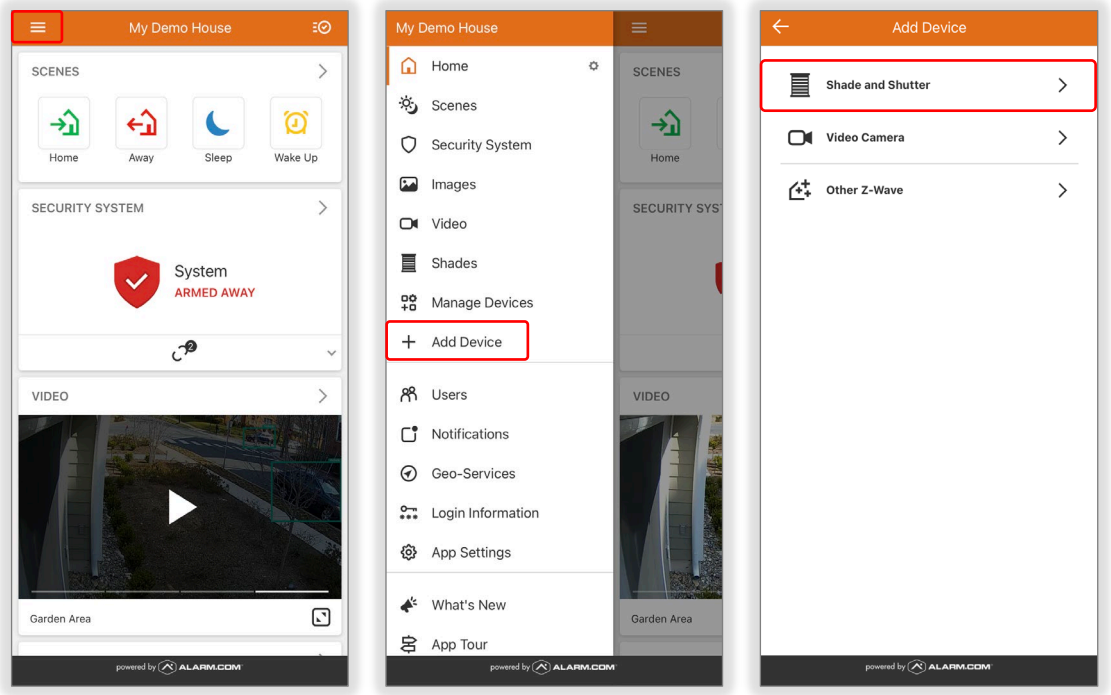
- Confirm that Alarm.com is powered on and connected to a network with internet
- Confirm Alarm.com IOS/Android application is up to date

V. SET UP

LINK TAHOMA TO ALARM.COM

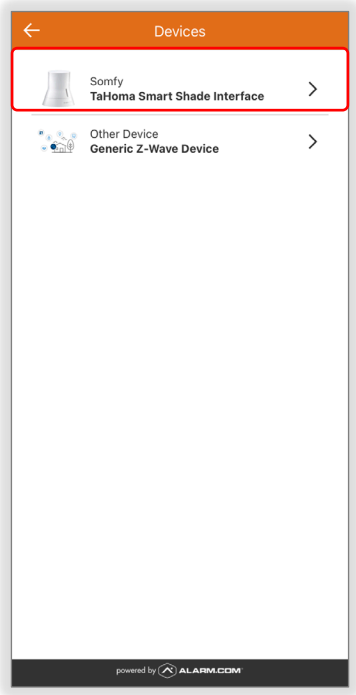
To enable scenes and motor control from the Alarm.com app, follow the steps below.

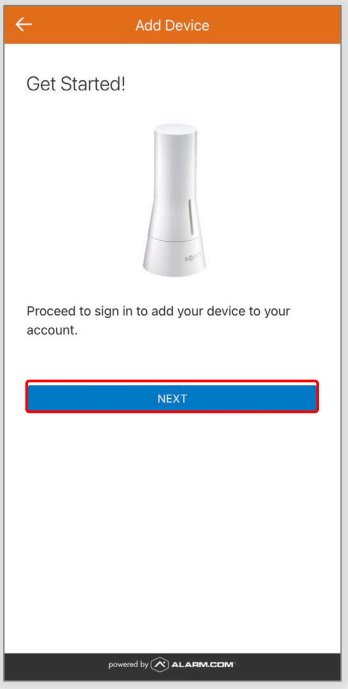
1) In the Alarm.com app, SELECT More
2) SELECT "Add Device"
3) SELECT "Shade and Shutter"



4) SELECT "Somfy TaHoma Smart Shade Interface"

5) SELECT "NEXT"

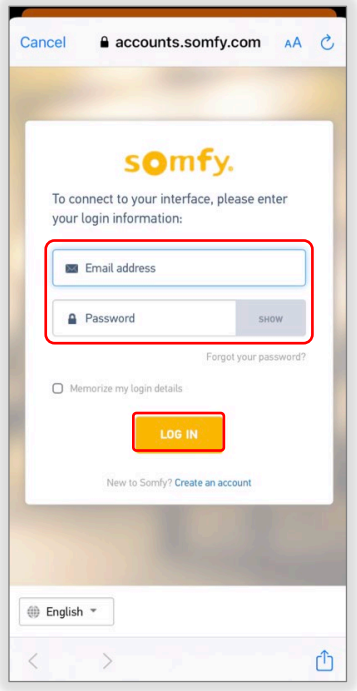


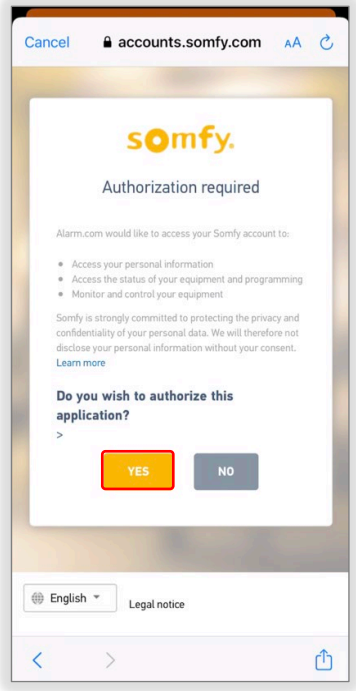


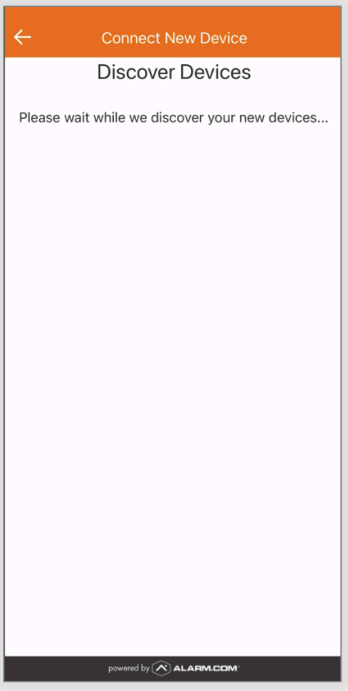
6) ENTER the TaHoma Login credentials used to register during TaHoma programming

7) SELECT "LOG IN"

8) SELECT "YES" to authorize Alarm.com access to the Somfy account
Note: please wait while the app discovers the devices

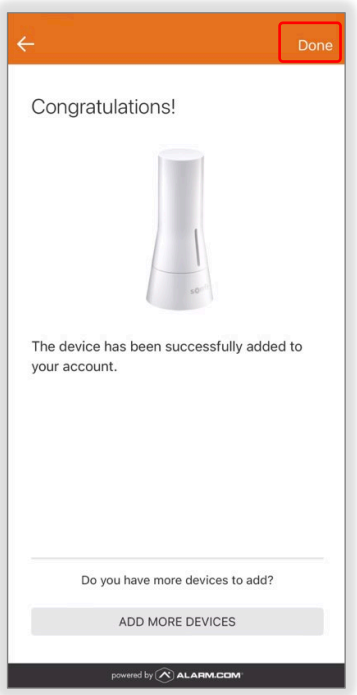






9) SELECT "CONTINUE"
10) SELECT "Done"

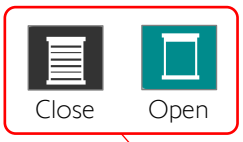


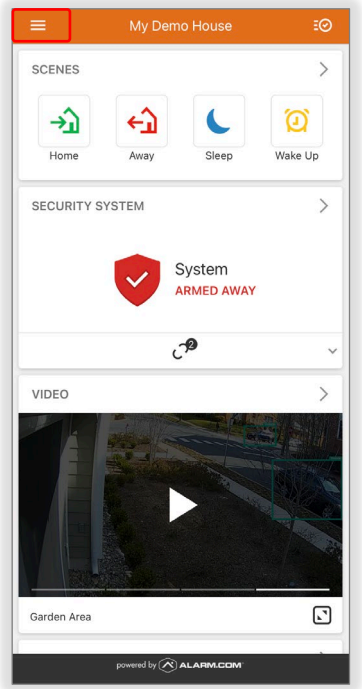


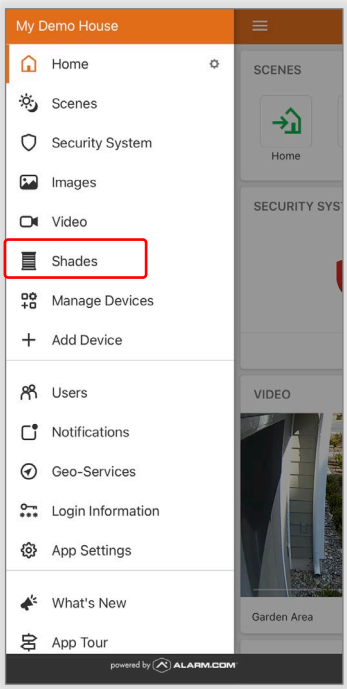
CONTROL TAHOMA DEVICES

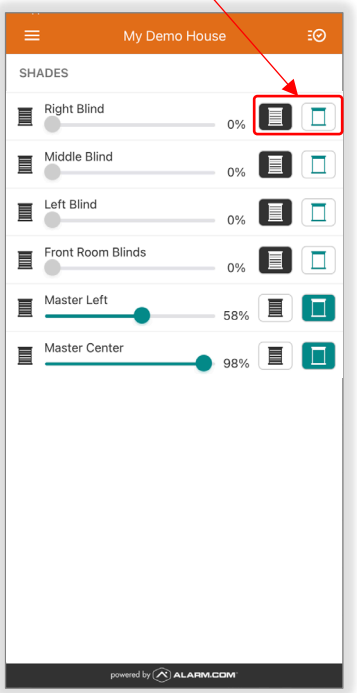
To Open or Close Zigbee or RTS shades , follow the steps below.
Use the slider to set to a percentage position (Zigbee only).
This integration does not support a Stop command or a MY position command for Zigbee or RTS motors.
NOTE: Alarm.com integration doesn't support TaHoma Smart Plugs.

1) In the Alarm.com app, SELECT the Menu icon
2) SELECT "Shades"
3) SELECT a command to Open or Close the Shade.





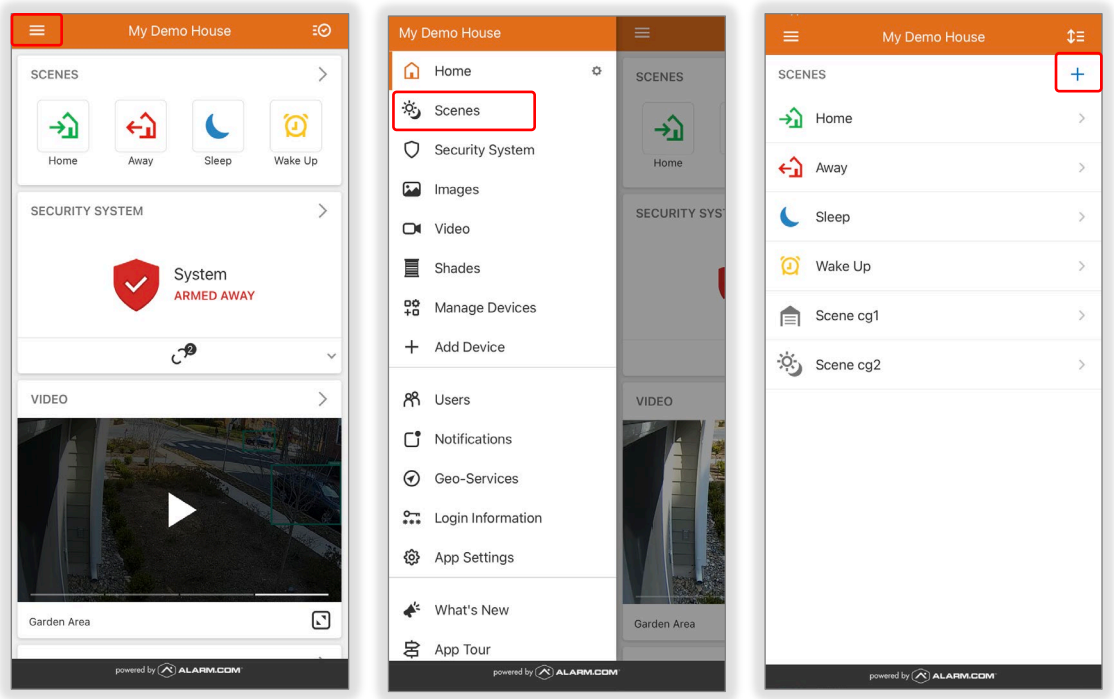




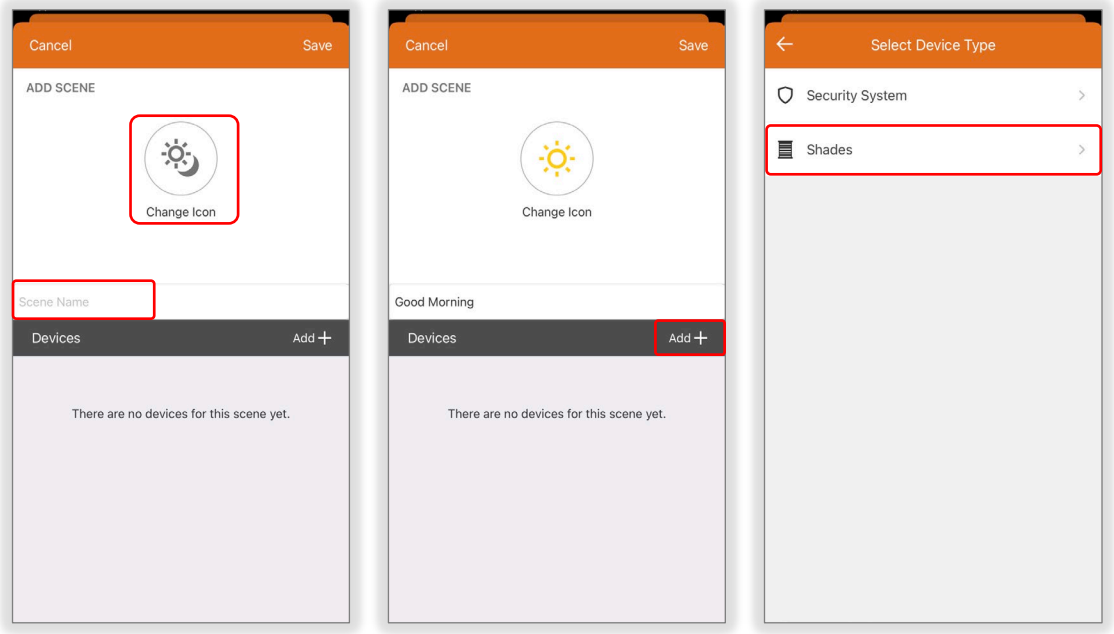
CREATE SCENES

Scenes allow multiple devices to be controlled with various actions. To create scenes, follow the steps below.

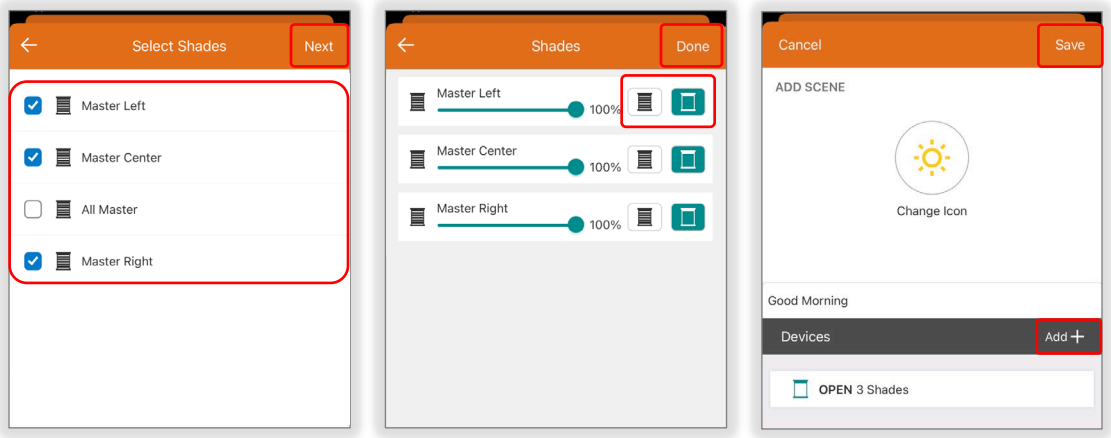
1) In the Alarm.com app, SELECT the Menu icon
2) SELECT "Scenes"
3) SELECT "+"



4) SELECT "Change Icon" to change the scene's icon
5) ENTER a name for the scene
   Example: Good Morning
6) SELECT "Add +" to add devices to the scene
7) SELECT "Shades"



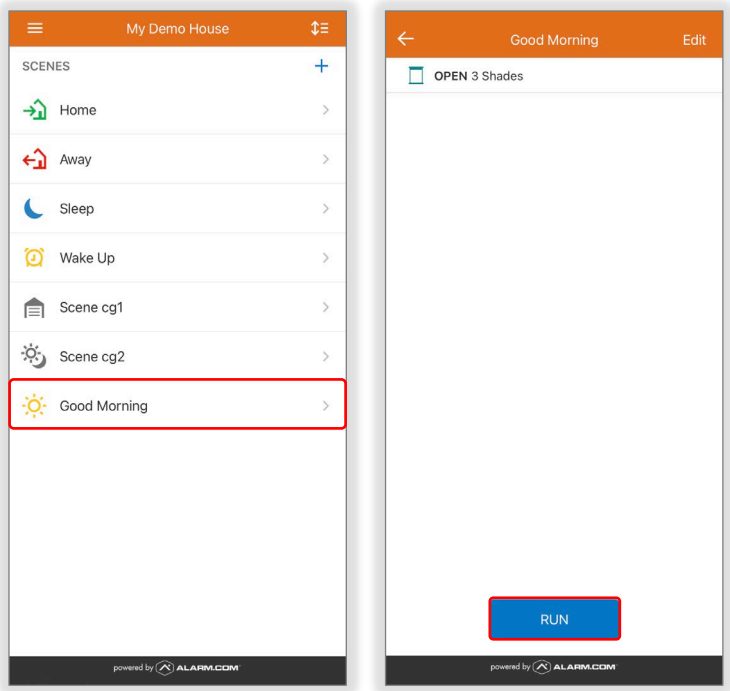
8) SELECT the Zigbee shades
9) SELECT "Next"
10) SELECT the desired command - see Appendix A for available commands
11) SELECT "Done"
12) SELECT "Add +" to add more devices to the scene
13) SELECT "Save" When complete



TEST SCENES

To test scenes, follow the steps below.

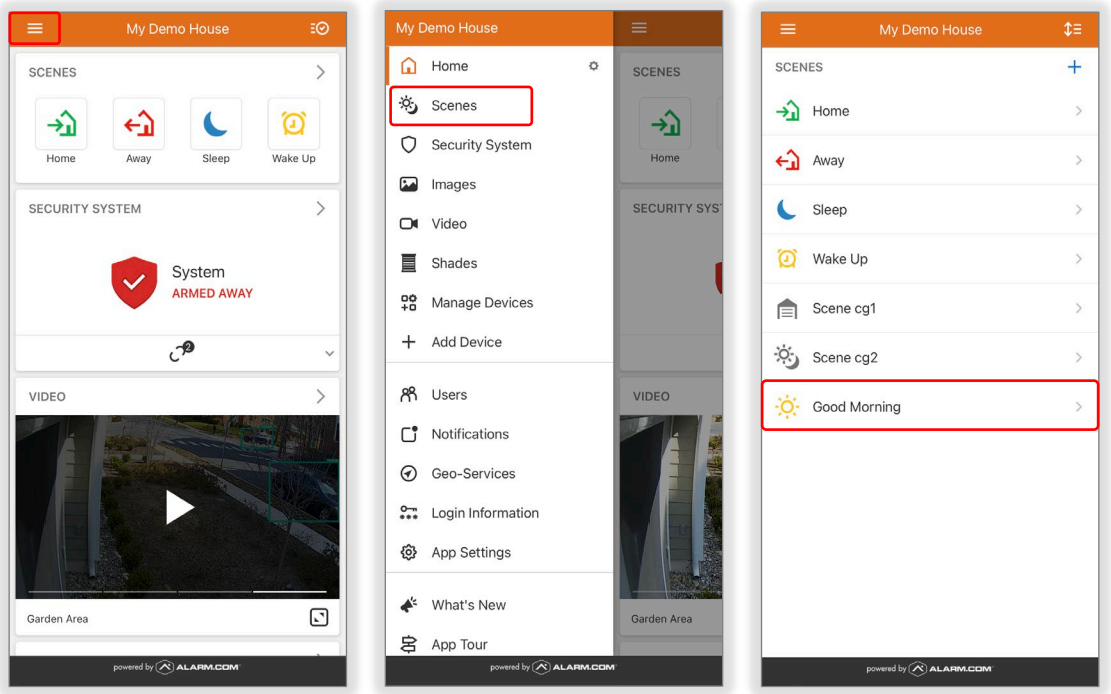
1) SELECT a scene from the Scenes list
Example: "Good Morning"
2) SELECT "RUN" to test the scene



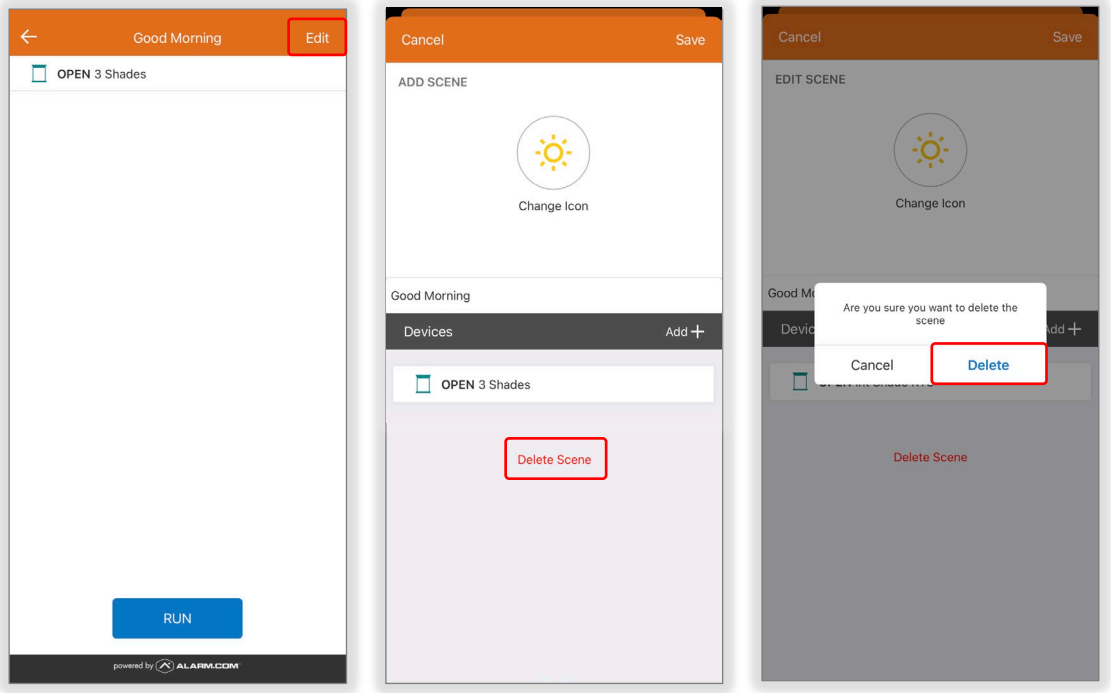
EDIT OR DELETE SCENES

If a scene is no longer required, follow the steps below.

1) SELECT the Menu icon
2) SELECT "Scenes"
3) SELECT the Scene to edit or delete



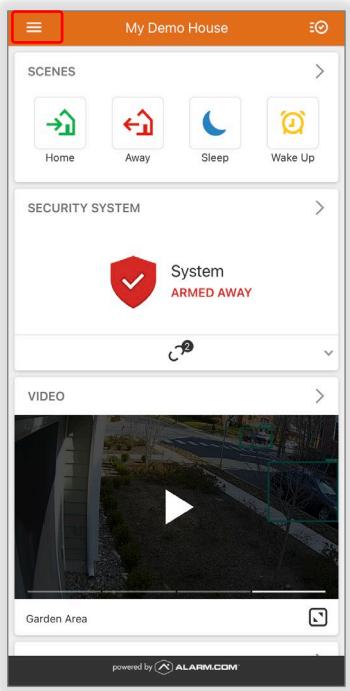
4) SELECT "Edit" and refer to Create Scene steps 4-10 to perform edits
5) SELECT "Delete Scene" to delete the scene
6) SELECT "Delete" to confirm deletion

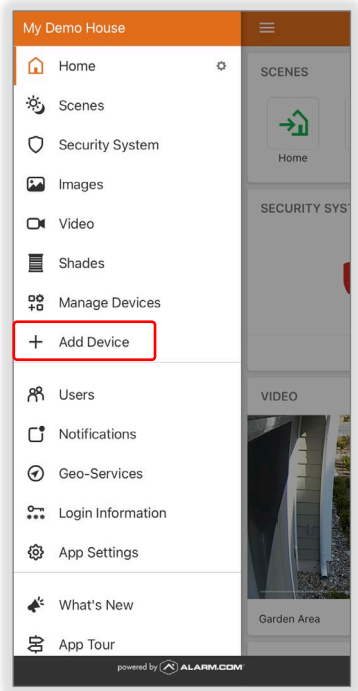


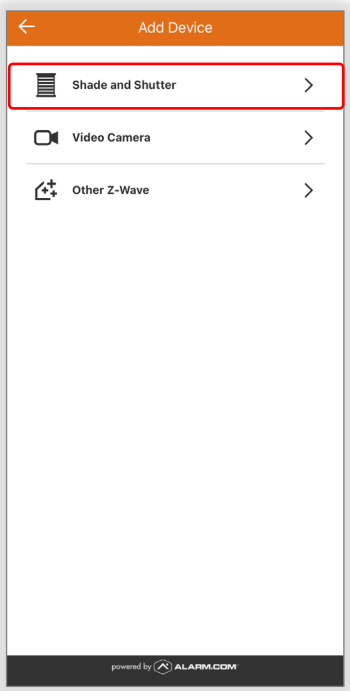
UNLINK TAHOMA FROM ALARM.COM

If Alarm.com integration is no longer required, follow the steps below.
Unlinking TaHoma from Alarm.com will remove all devices. Devices that were part of Scenes will also be removed.
If relinking TaHoma, devices will need to be added back into the Scenes.

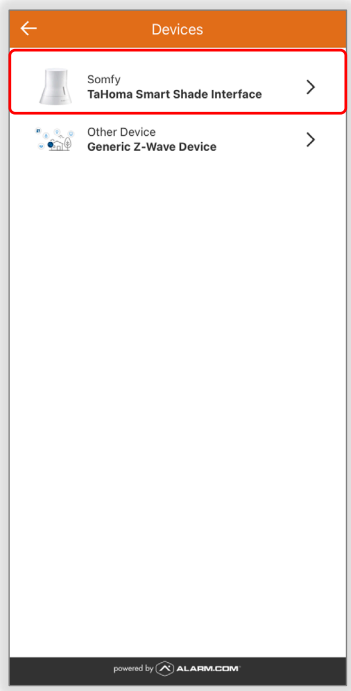
1) SELECT the Menu icon
2) SELECT "Add Device"
3) SELECT "Shade and Shutter"

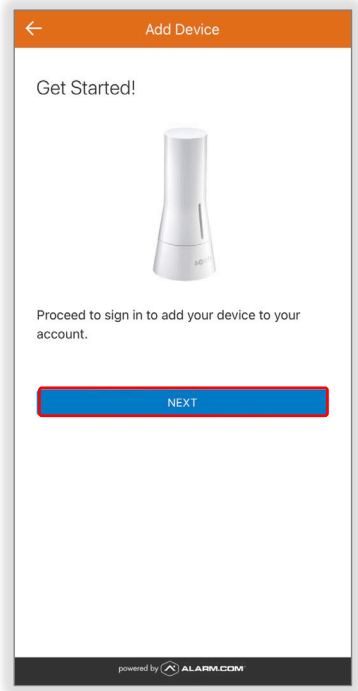


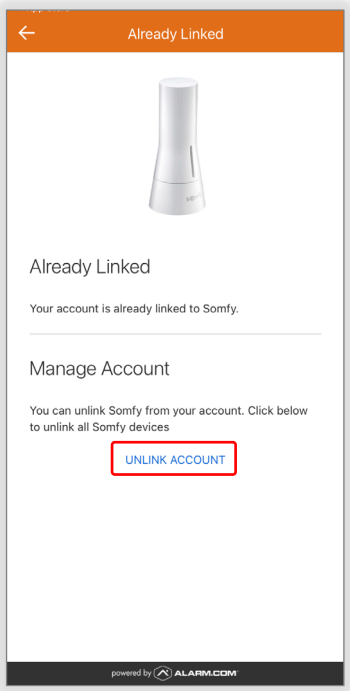




4) SELECT "Somfy TaHoma Smart Shade Interface"
5) SELECT "NEXT"
6) SELECT "UNLINK ACCOUNT"



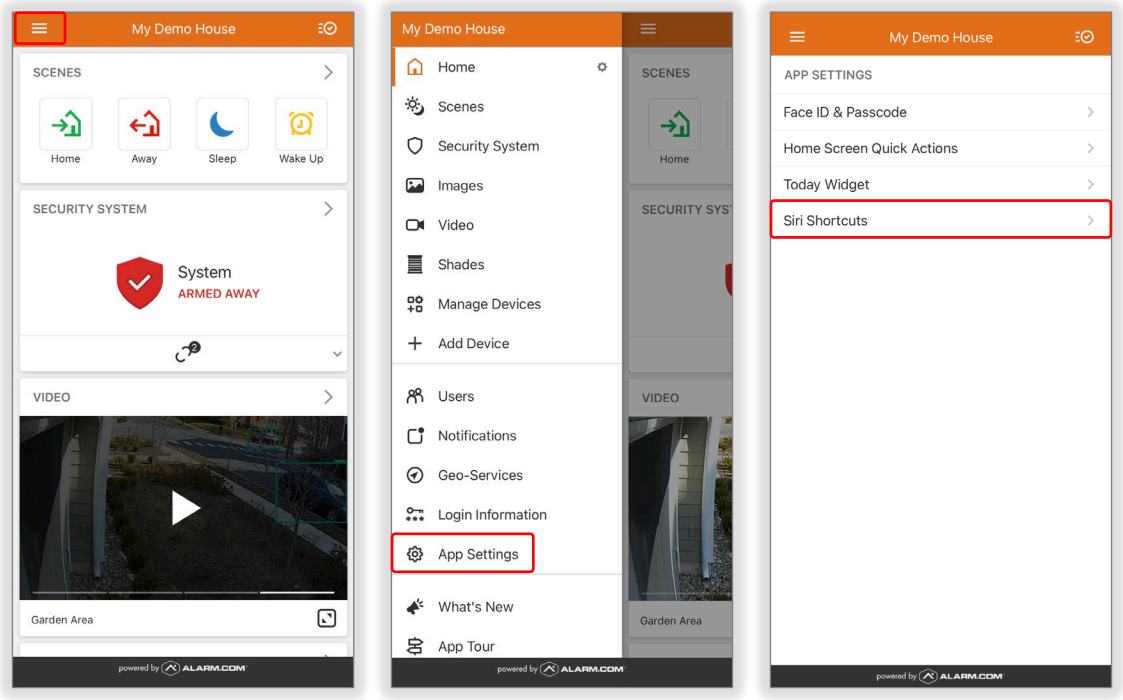




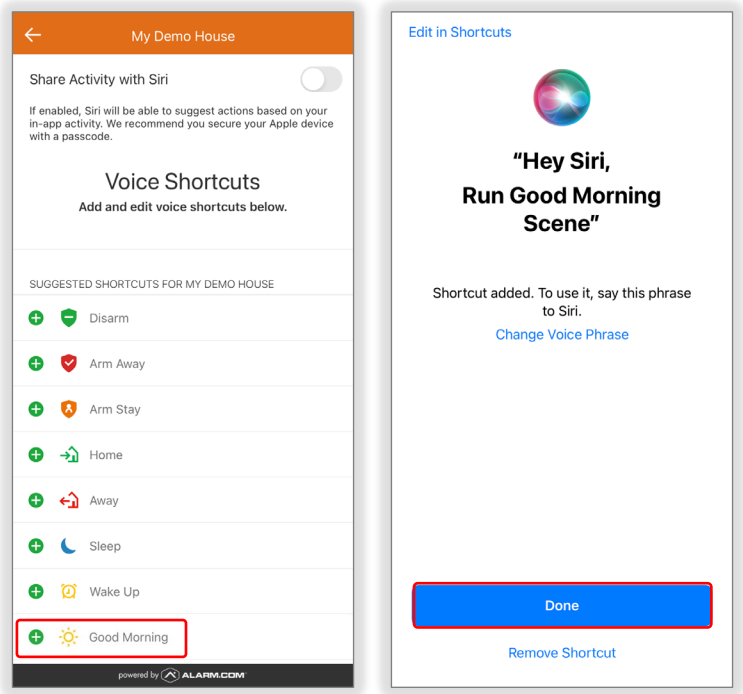
ADD IOS WIDGET

To add a Shortcut Widget for an Alarm.com Scene in an IOS device, follow the steps below.
Shortcut Widget for IOS devices can be accessed in the "Today View." The Shortcut Widget can be pressed to trigger a scene.

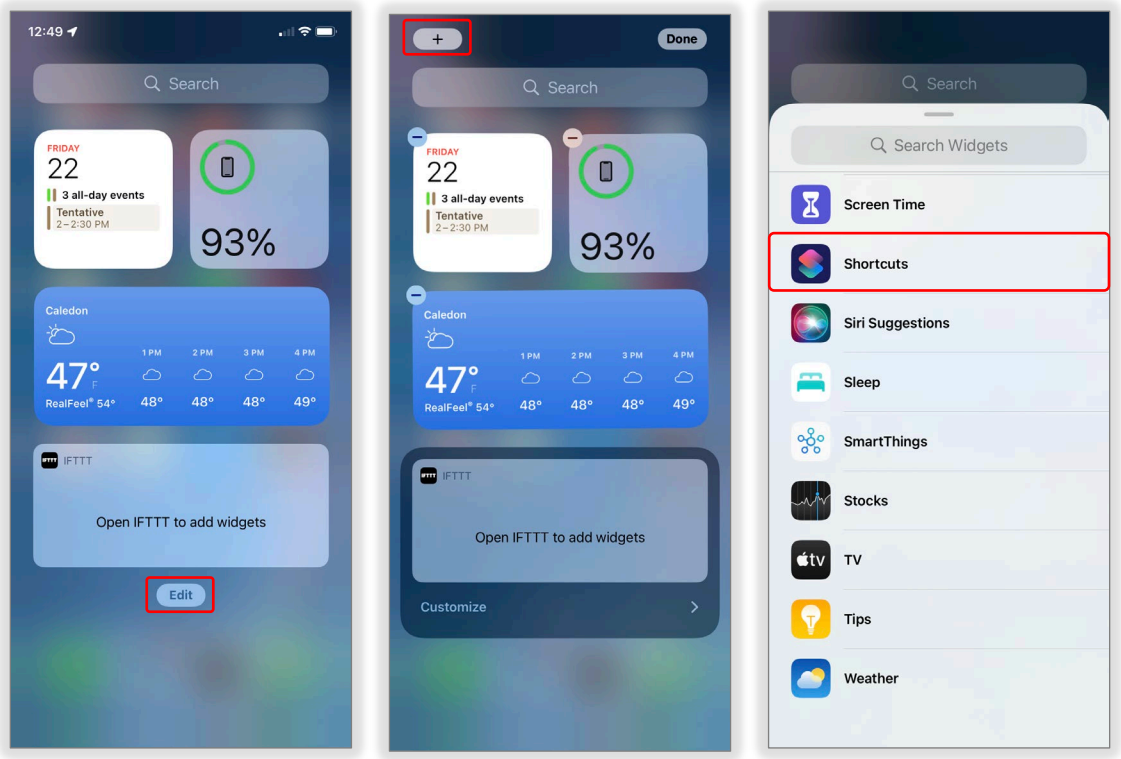
1) SELECT the Menu icon
2) SELECT "App Settings"
3) SELECT "Siri Shortcuts"



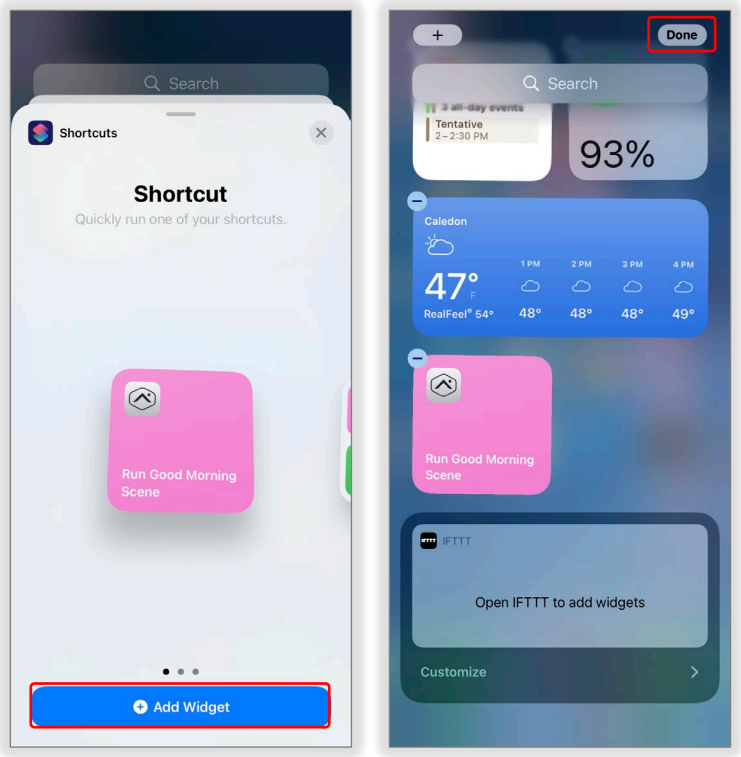
4) SELECT "+" next to the scene to create a Shortcut
5) SELECT "Done"



6) NAVIGATE to "Today View" on the IOS device, SWIPE right from the left edge of the Home Screen or Lock Screen
7) SELECT "Edit"
8) SELECT "+"
9) SELECT "Shortcuts"



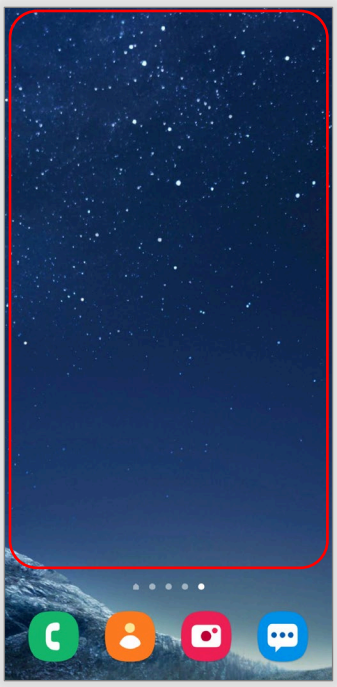
10) SELECT "Add Widget"
Example: "Run Good Morning Scene"
11) SELECT "Done"



ADD ANDROID WIDGET

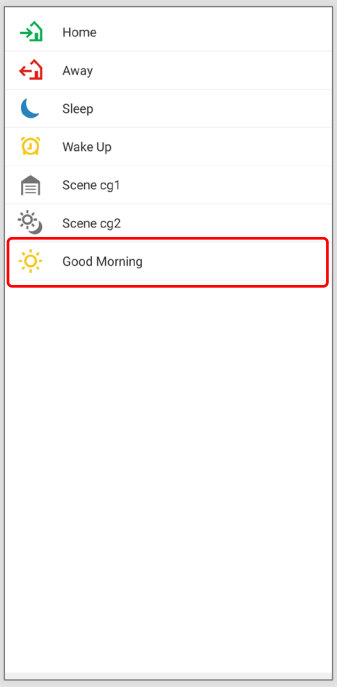
To add an Alarm.com Widget in Android, follow the steps below.
Alarm.com Widget can be added on an Android device home screen as a quick way to trigger scenes.

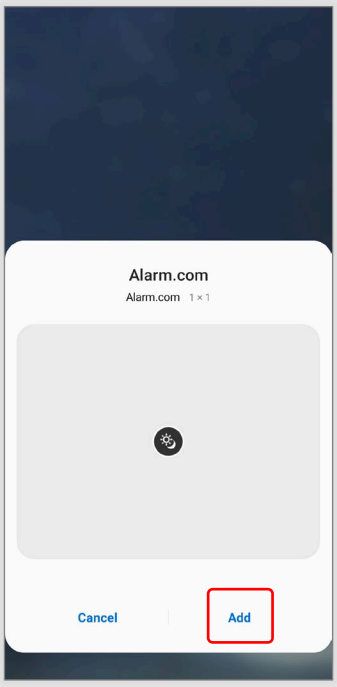
1) On the Home screen, PRESS & HOLD on an empty space
2) SELECT "Widgets"
3) ENTER "Alarm.com" into the Search field

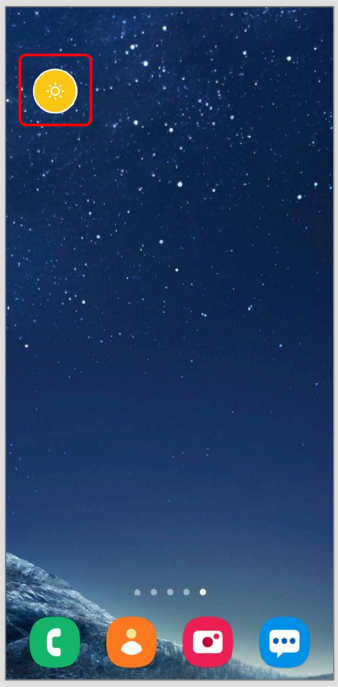





4) SELECT the Scene
   Example: "Good Morning"
5) SELECT "Add"
6) DRAG-AND-DROP the widget to the Home screen
7) SELECT the Widget to run the Scene







APPENDIX

[APPENDIX A] AVAILABLE COMMANDS & ACTIONS

TAHOMA ZIGBEE COMMANDS	
Open	Moves blind to the fully open position
Close	Moves blind to the fully closed position
Percent Slider	Moves blind to a percentage position (0-100%)

TAHOMA RTS COMMANDS	
Open	Moves blind to the fully open position
Close	Moves blind to the fully closed position

FOR QUESTIONS OR ASSISTANCE PLEASE CONTACT TECHNICAL SUPPORT:
(800) 22-SOMFY (76639)
technicalsupport_us@somfy.com

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