

Dooya Shades Installation and Usage Guide

DOOYA®
TUBULAR MOTOR



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DOOYA®

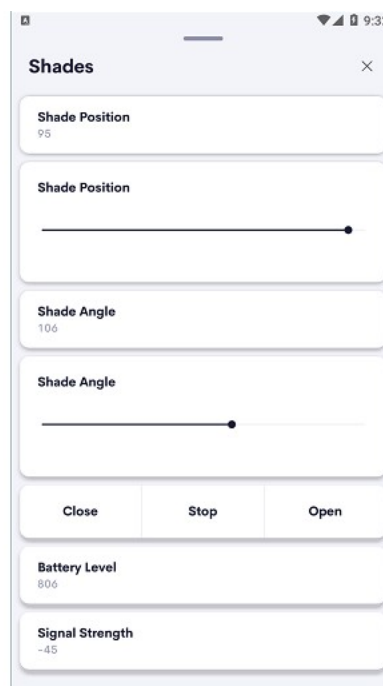
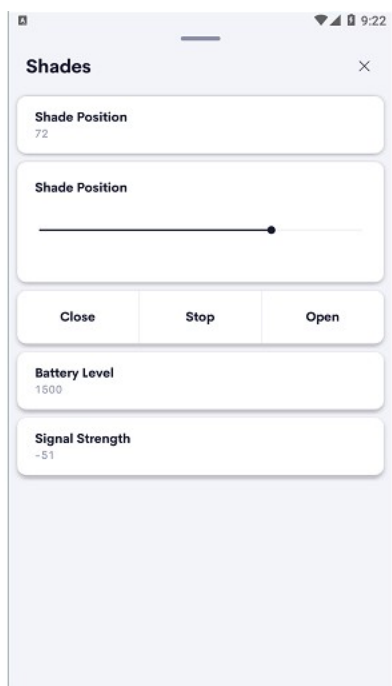
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Overview

Operating in the Home & Building and Access Activities, Dooya is the leading Chinese brand in tubular motors, particularly at the entry-level. Dooya specializes in the design of control systems for rolling shutters, rolling doors, curtains and interior blinds.

Dooya is part of the Somfy Group's portfolio of complimentary brands. Together, they cover most automation needs for openings and closures of homes and buildings around the world. They also allow the Group to service its distribution channels—manufacturers, installers, DIY superstores, e-commerce, architects—with suitable solutions.



Features

- Manufacturer Sponsored FREE Driver
 - Uni Directional Shade Driver
 - One Way Driver
 - Commands
 - Up
 - Down
 - Stop
 - Bi Directional Shade Driver
 - Two Way Driver
 - Commands
 - Up
 - Down
 - Stop
 - Position
 - Feedback
 - Position
 - Battery mAh
 - Signal Strength
 - Bi Directional Tilt Shade Driver
 - Two Way Driver
 - Commands
 - Up
 - Down
 - Stop
 - Position
 - Tilt
 - Feedback
 - Position
 - Tilt
 - Battery mAh
 - Signal Strength
 - Bi Directional TDBU (Top Down, Bottom Up) Shade Driver
 - Two Way Driver
 - Commands
 - Up
 - Down
 - Stop
 - Position for Top and Bottom
 - Feedback
 - Top Motor Position

- Bottom Motor Position
 - Battery mAh
 - Signal Strength
- Position feedback for bi-directional motors
 - Event fire on Open
 - Event Fire on Close
- Battery mAh feedback for bi-directional motors with batteries installed.
 - Event fire on low battery

Driver Installation and Configuration

Information Collection

1. Install and configure your Dooya phone app (or the appropriate rebranded version of the app) adding the available blinds to the rooms

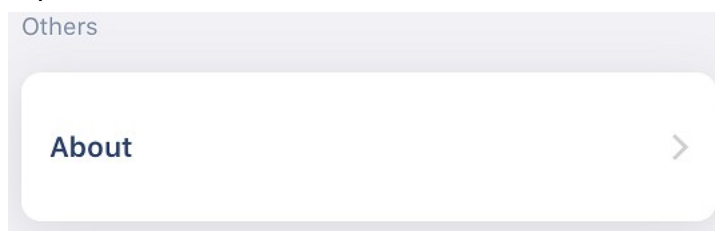
2. Tap the hamburger menu button (three horizontal bars)



3. Tap your profile icon



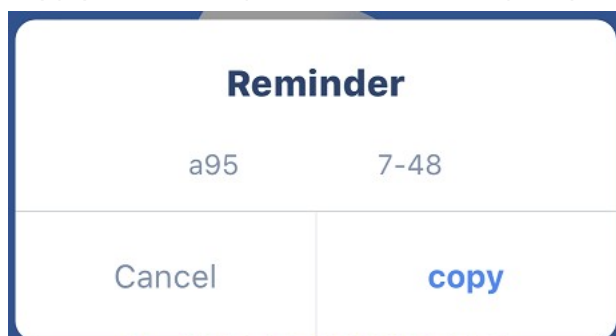
4. Tap **About**



5. Tap the logo 5 times



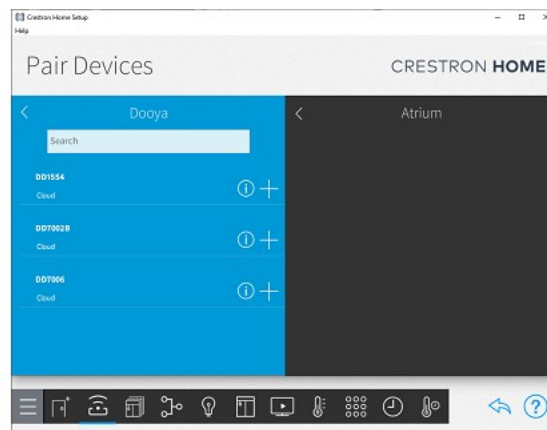
6. This will display a random string that you need to enter into the driver. We recommend that you copy/paste this key into an email from your phone so you can paste it in to the driver



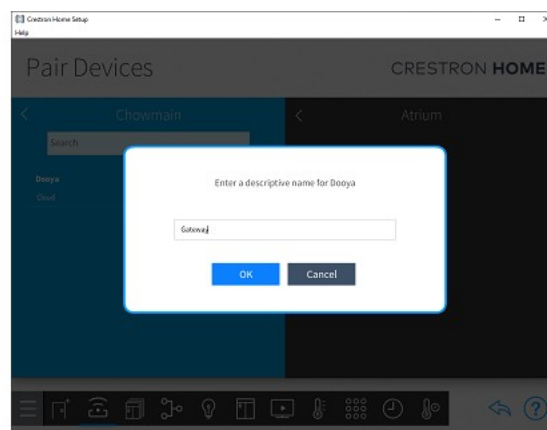
Installation and Configuration

The Dooya Shades Home Driver is available for installation directly from the Drivers menu in the Pair Devices step in the Crestron Setup App. To find the driver you need to go into

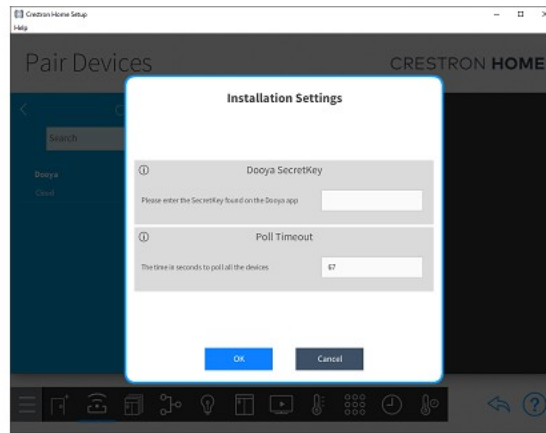
1. Pair Devices
2. Drivers
3. Platform
4. Dooya
5. Select the model of gateway
6. Press the + button



7. Enter the name of the device, this is the name of the folder where all discovered Dooya devices will be put.

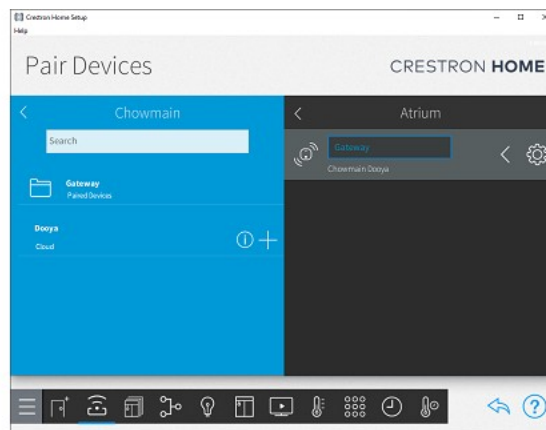


8. Enter the secret key from the dooya mobile app.
9. Update the timeout of the poll, every this amount of time crestron home will request a status of every device. For systems with many devices this should be set to a longer time.

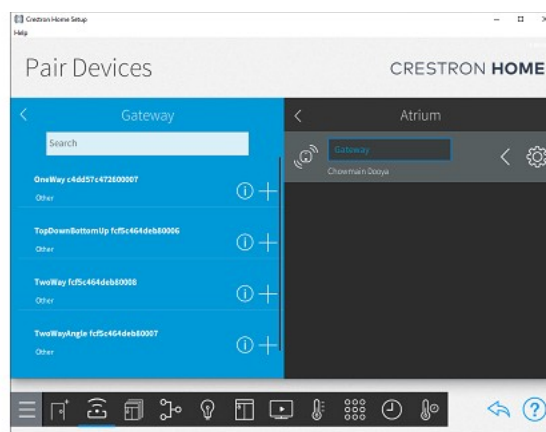


10. After devices have been discovered a folder will be displayed on the left part of the window.

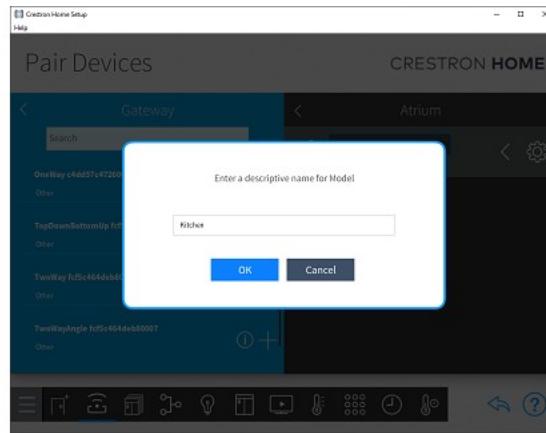
11. If no devices are found ensure the secret key is correct and all devices have been added to the mobile app.



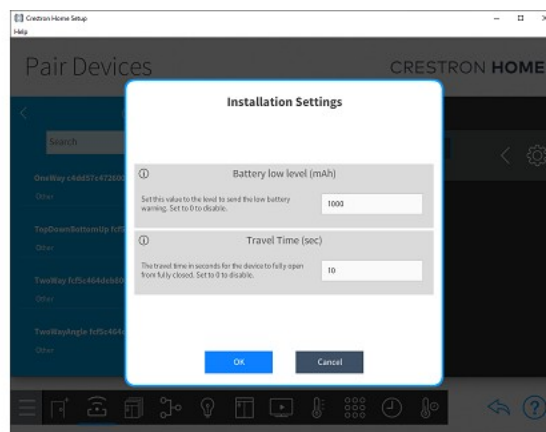
12. Add the devices to the rooms as required.



13. Enter the name of the device.

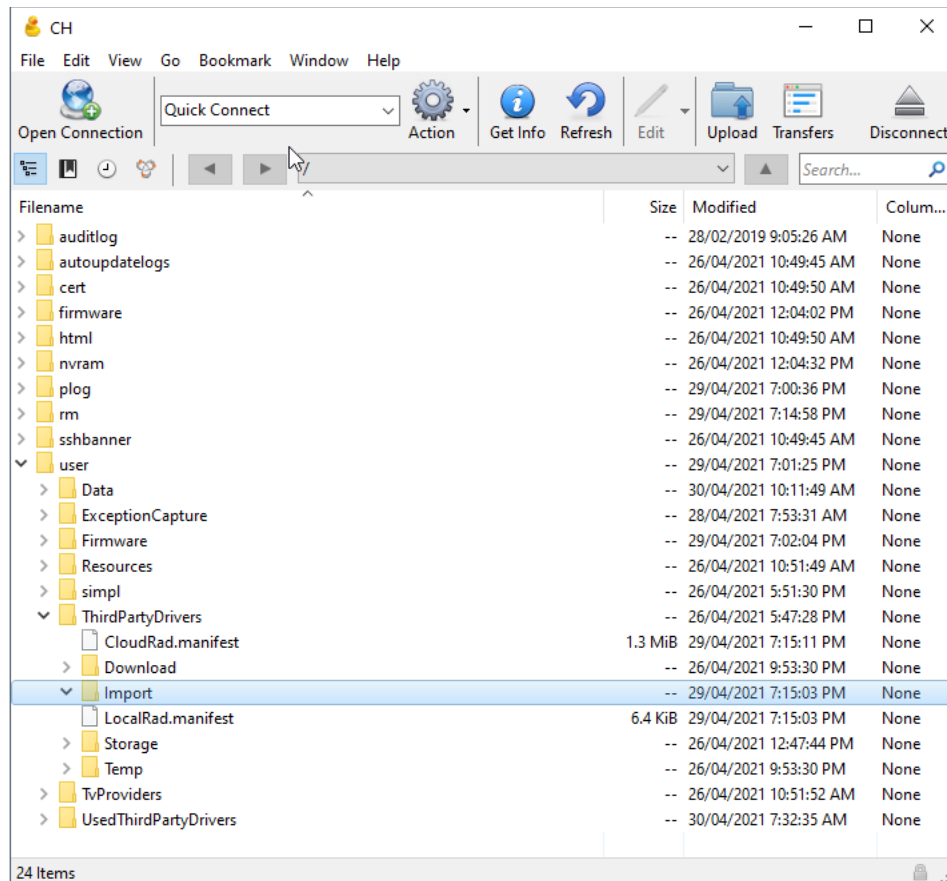


14. Enter the battery low level. This is the level that crestron will send the low battery alert. Set to 0 to disable.
15. Enter the travel time of the blind. After an action is performed the driver will poll for status after this time. Set to 0 to disable.



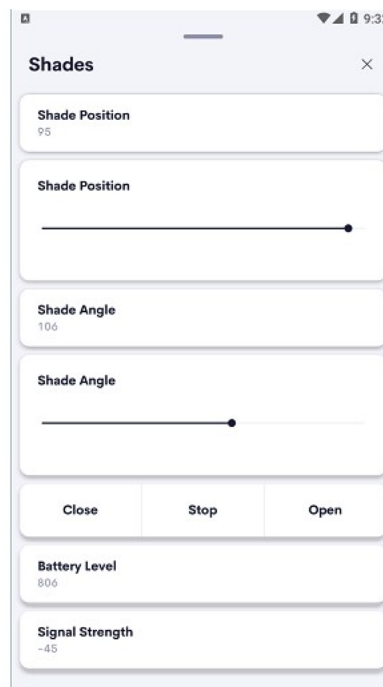
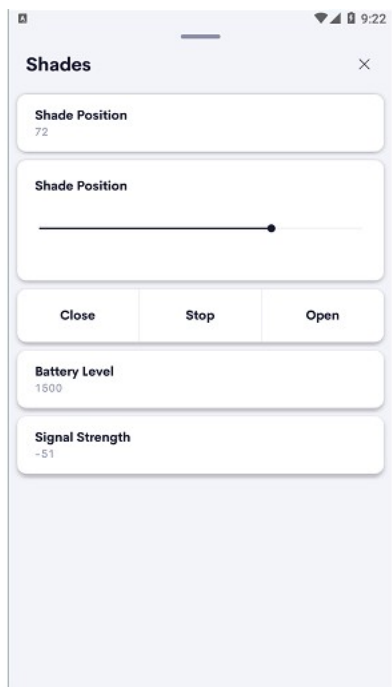
Manual Installation

If you want to replace the driver from the online database, or if its not currently there, you can manually install the driver. To manually install you will need to first copy the driver on to your Crestron Home processor. You will fist need to make a SFTP connection to the processor, you can do that with software like Cyberduck or Filezilla. Once you are connected you will need to copy the driver to the /user/ThirdPartyDrivers/Import folder. With this done you can go back to the Standard Installation steps.



Control

To control a Dooya Shade device you first need to select the device from the room page. Click on the desired device and you will be presented the controls shown below, allowing you to control open / closed and position of the device if available.



Sequences

The following functions of the shades are available to use in sequences for devices that are not one-way.

Set Position

The position of the blind can be set as a percentage 0 for the fully open and 100 for fully closed.

Set Angle

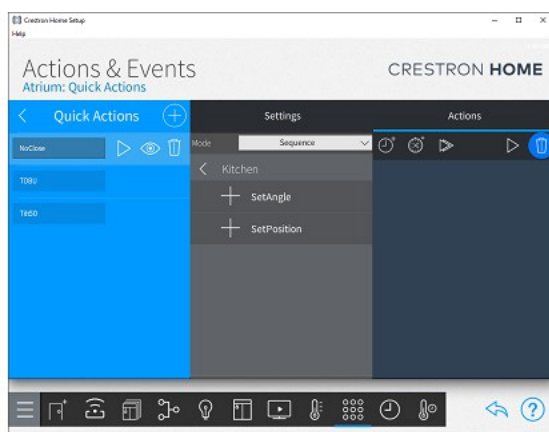
For venetian blinds that support angle a value from 0 fully tilted up to 180 fully tilted down can be set.

Set Position Top

For Top Down Bottom Up blinds the top position can be set, this will also adjust the bottom portion of the blind if required.

Set Position Bottom

For Top Down Bottom Up blinds the bottom position can also be set, this will also adjust the top portion of the blind if required.



Events

The driver polls the device both after a command has been sent and periodically this can be used to trigger automation when a condition listed below is met.

Opened / Top Opened / Bottom Opened

This event fires when the Shade position changes from a fully closed position to either partially or fully opened.

For Top down bottom up devices either part of the shade can be open.

Closed / Top Closed / Bottom Closed

This event fires when the Shade position changes from either partially or fully opened to a fully closed position.

For Top down bottom up devices both top and bottom parts of the shade must be closed.

Low Battery

This event fires when the Shade reports a batter level lower than set when setting up the driver in Crestron Home.

