Integration Note

Manufacturer:	**Dooya**
Model Number(s):	**Connector Bridge**
g! Core Module Version:	**g!8.4.10**
Driver Developer:	**Chowmain Software & Apps**
Document Revision Date:	May 9, 2022

Overview & Supported Features

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.

The Connector Bridge hardware lets you connect Dooya RF controlled blinds / curtains to ELAN for bi-directional or uni directional control (depending on motor) with up / down / stop, position, tilt based control. This includes manufacturers who have rebranded Dooya motors as their own product.
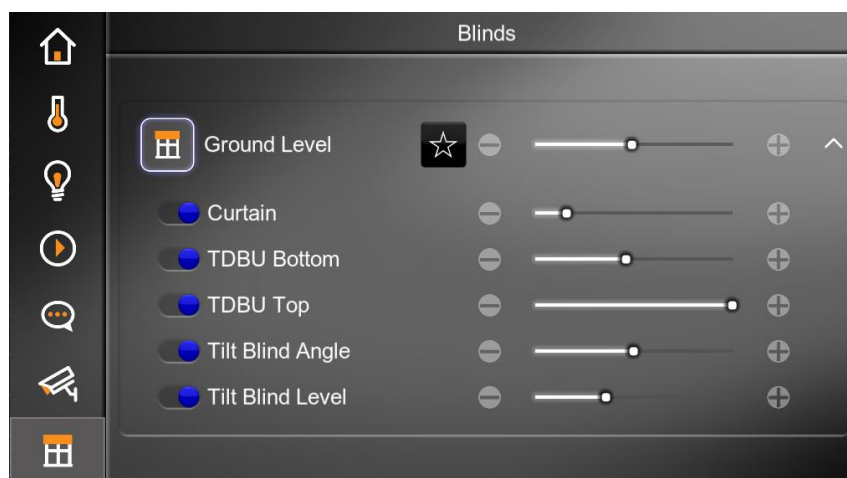
Features

- Manufacturer Sponsored FREE driver

- Automatic import of shades for the correct featureset

  - **Uni Directional Shades**

    - One Wa

    - Commands

      - Up

      - Down

      - Stop

  - **Bi Directional Shades**

    - Two Way

    - Commands

      - Up

      - Down

      - Stop

      - Position

    - Feedback

      - Position

  - **Bi Directional Tilt Shades**

    - Two Way

    - Commands

      - Up

      - Down

      - Stop

      - Position

- Tilt
  - Feedback
    - Position
    - Tilt
- o **Bi Directional TDBU (Top Down, Bottom Up) Shades**
  - Two Way Driver
  - Commands
    - Top Motor
      - Up
      - Down
      - Stop
      - Position
    - Bottom Motor
      - Up
      - Down
      - Stop
      - Position
  - Feedback
    - Top Motor Position
    - Bottom Motor Position

Any feature not specifically noted as supported should be assumed to be unsupported.

g! Configuration

Obtaining the secret key

The driver requires a key to be entered in. This key can be obtained via the Dooya app.

1. Install and configure your Dooya phone app (or the appropriate rebranded version of the app) adding the available blinds to the rooms
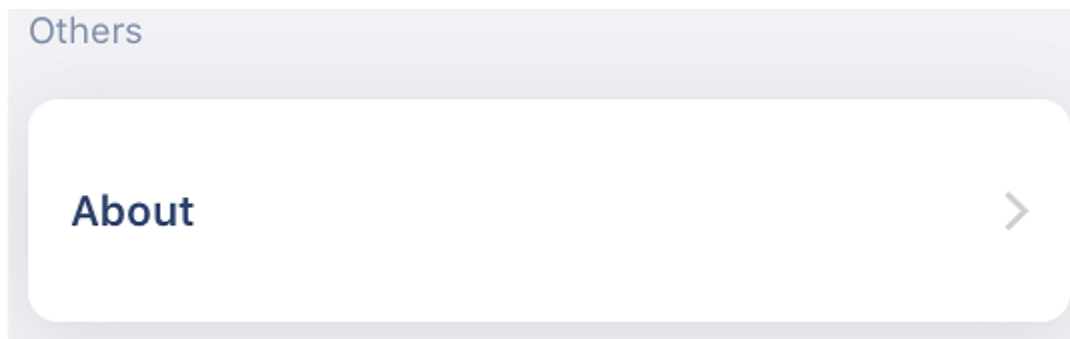
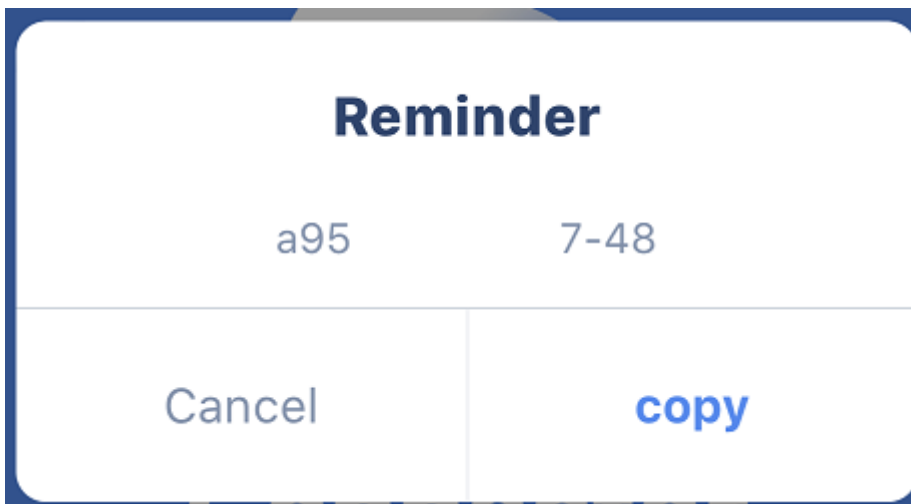2. Tap the hamburger menu button (three horizontal bars)

3. Tap you profile icon

4. Tap About

Others

About   ›
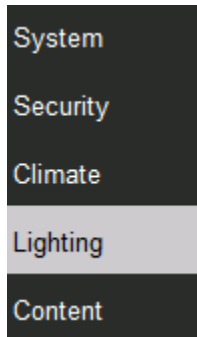
5. Tap the Logo 5 Times

6. The key will be displayed to you. Press copy and send it to yourself so you can paste it into Configurator later (or write it down).

Installation Process

7. Download the latest version of the driver from our distributor driverCentral.

8. Extract the file to your preferred ELAN driver storage location.
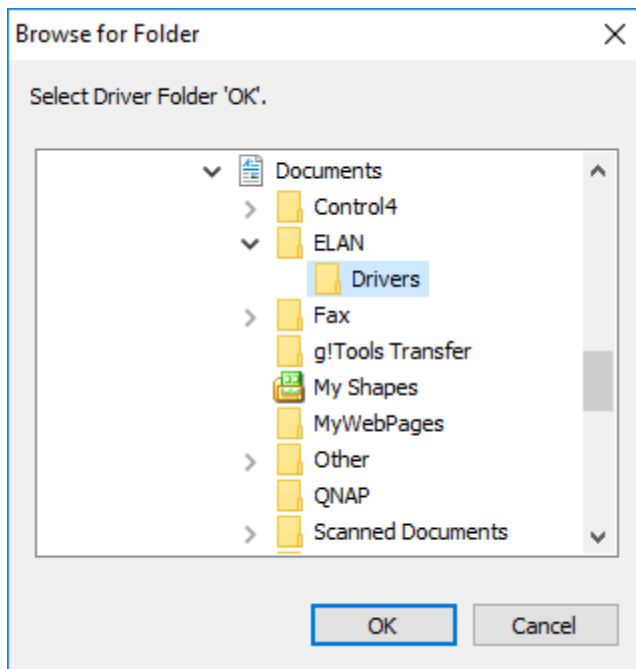
9. In configurator click on the Lighting tab

10. Click on the arrow next to Lighting Interfaces
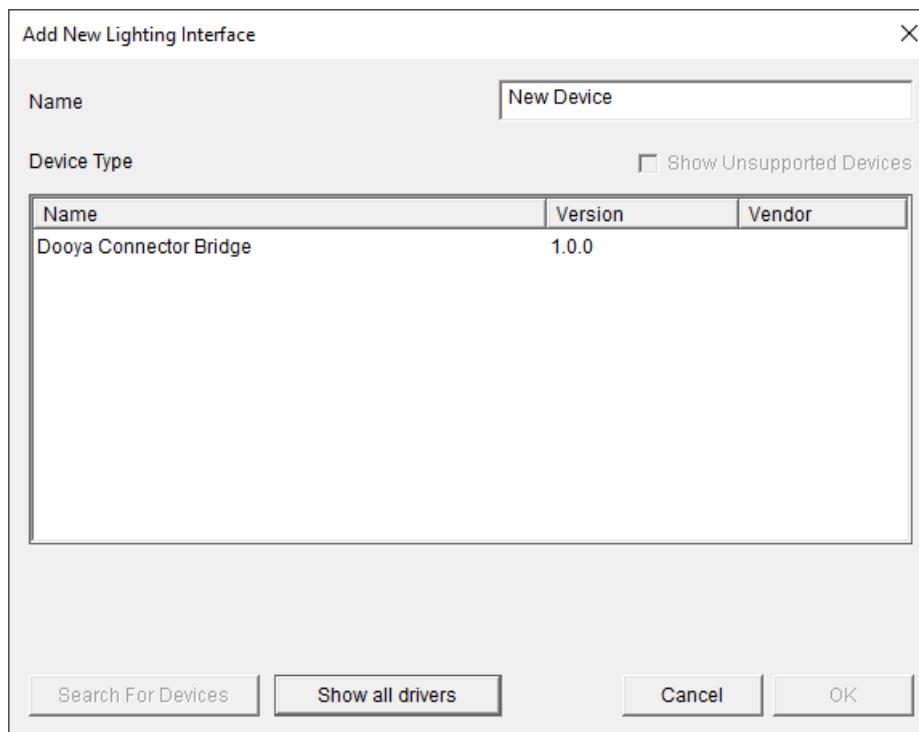
11. Click on Add New Lighting Interface
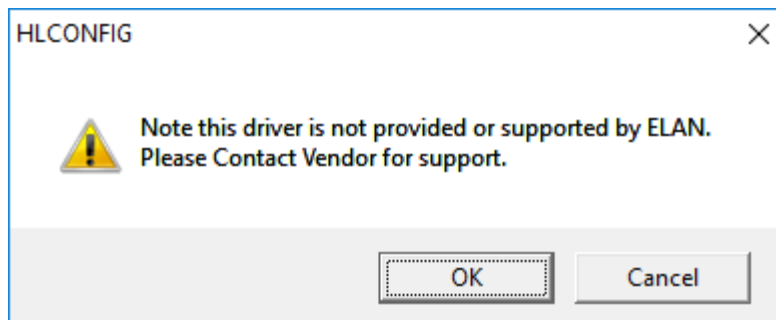

12. Click on the Search Folder button

13. Select your driver folder and press ok

14. Select the Dooya Connector Bridge driver for your control type.

15. Configurator will warn you that the driver is not provided or supported by Elan. Click on OK.

16. Highlight the Dooya Connector Bridge driver with the ▭ symbol next to it.

17. Enter the secret key you obtained earlier (in the section labeled Obtaining the secret key)

| Secret Key | ▆▆▆▆▆▆▆▆▆▆ |

18. If required you can adjust the command repeat count (useful for one-way shades that might have interference or attenuation problems).

| Command Repeat Count Er | 2 ▾ |

19. If you have Tilt shades please adjust the max tilt angle your shade supports (90 or 180 degrees)

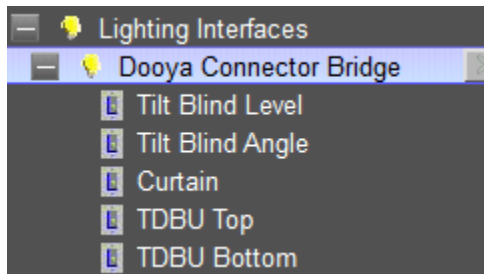| Tilt Angle | 180 ▾ |

20. The driver utilizes UDP multicast for communications. As such it will talk to all connector bridges on the network at the same time. No need to enter in IP addresses.

21. Click on AUTO SETUP to discover all blinds / shades on the network.

| AUTO SETUP |

22. The driver will automatically install all shades

23. Select the location of the shade (if you do not have locations setup you will need to set it up).

24. Select each shade and change the Device Classification to either Shade or Shade/Simple (if it is uni directional)

25. Congratulations you have successfully setup the Dooya driver for ELAN. You will now need to add the shades to either a custom page or by exposing the area in your interface layout.

g! CONFIGURATION DETAILS

The following table provides settings used in Configurator when connecting to Android TV devices. Please refer to the Configurator Reference Guide for more details.

Devices	Variable Name	Setting	Comments
Lighting Interface (Dooya Connector Bridge)	Name	<User Defined>	
	System #	<Auto Detect>	
	Driver Version	<Auto Detect>	
	Driver Vendor	Chowmain Software & Apps	
	Device Type	Dooya Connector Bridge	
	Secret Key	<User Defined> This is a code that you must retrieve from the Dooya app	See Note 1
	Command Repeat Count	<Auto Detect> This is the current power state of the projector	
	Tilt Angle	<Auto Detect> This is the current input of the projector	
	IP Address	<Auto Detect > This is the IP address of the projector. Note that this is only available for the Network version of the driver	See Note 2

Notes:

1. The secret key can be obtained by tapping the Dooya Logo 5 times in the Dooya App (Hamburger -> Profile icon -> About-> Dooya Logo 5 times)

2. The driver communicates to all Dooya connector bridges via UDP multicast. As such no ip address is required to be set. Although your network must not block multicast traffic. Some access points block this by default.

COMMON MISTAKES

1. Secret Key not obtained or typed in.

2. Network (most likely access point) is blocking UDP Multicast traffic.

3. Note that TDBU blinds and Tilt blinds cannot be controlled via area as area based commands for all up or all down will cause conflicts. It is recommended that if you have these shade types you add them to a custom page.