BMIGHTY
motorized solutions

Control4 Drivers for BMIGHTY Motors

Product presentation, installation and validation guide



Driver version	20260929
Date	September 29, 2026
Platform	Control4 OS 3.x · Composer Pro

1. Overview

BMIGHTY offers tubular motors and motorization systems for blinds, shades and curtains, in radio-frequency (RF) and WiFi versions, including uni-directional, bi-directional, tilt and Top Down / Bottom Up models.

This document presents the driver package BMIGHTY makes available to Control4 dealers and programmers free of charge. It serves both as an installation guide and as a validation checklist to verify BMIGHTY motors inside a Control4 project.

The Connector Bridge hardware links BMIGHTY RF motors to the local network so they can be controlled from Control4 with up / down / stop, position and tilt commands, with bi-directional or uni-directional control depending on the motor.

Included drivers

The package includes 5 drivers (.c4z files):

Driver	File	Type	Functions
Connector Bridge	driverworks_dooya_connector_bridge.c4z	Bridge	Discovers motors and handles communication with one or more bridges on the network. Install only one per project.
Uni-directional motor	driverworks_dooya_uni_motor.c4z	One-way	Up / Down / Stop.
Bi-directional motor	driverworks_dooya_bidi_motor.c4z	Two-way	Up / Down / Stop / Level, with position feedback and battery level.
TDBU motor	driverworks_dooya_bidi_tdbu_motor.c4z	Two-way	Up / Down / Stop / Level for both top and bottom rails, with feedback and battery level.
Tilt motor	driverworks_dooya_bidi_tilt_motor.c4z	Two-way	Up / Down / Stop / Level / Tilt, with feedback and battery level.

2. Compatibility

The drivers work with the following BMIGHTY equipment:

Equipment	Model	Supported motors
Connector Bridge	DD7002B / DD7006	Bi-directional and uni-directional
Mini Bridge	DD1554	Bi-directional only
WiFi motors and shades	Connector app (iOS / Android)	Direct connection, no bridge

Not supported: the DD7006M bridge (it uses a different protocol) and RS485-controlled motors.

> Important: BMIGHTY motors are built on the Dooya motorization platform. For this reason the drivers are listed in Composer under the manufacturer “Dooya”, and the file names keep that prefix. This is expected and does not affect operation with BMIGHTY equipment.

3. Installation and Configuration

Step 1 · Get the Secret Key

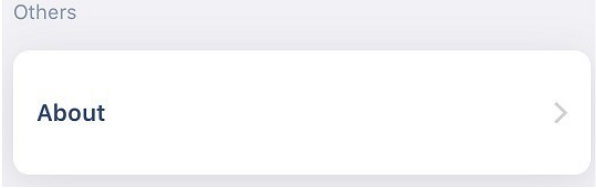
Before installing the drivers you need the secret key generated by the Connector app:

1. Install and set up the Connector app on your phone, adding the available blinds to each room.
2. Tap the menu button (three horizontal lines).



3. Tap your profile icon.

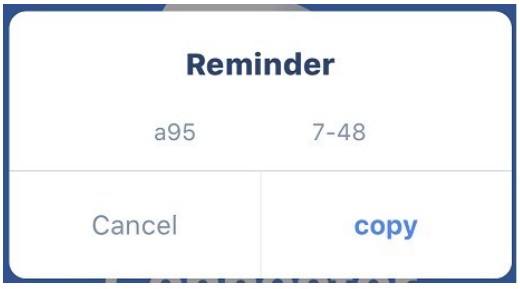
4. Tap About.



5. Tap the app logo 5 times in a row.



6. An alphanumeric key will appear. Copy it (copy button) and email it to yourself from the phone so you can paste it into the driver.



Step 2 · Install the drivers in Composer

> Install only ONE Connector Bridge driver per project, even if there are several bridges on the network.

1. Open Composer Pro.
2. Add the bridge and motor drivers included in the .zip file to your system.
3. In System Design, Items › Search tab, find the Connector Bridge driver and add it to the project.
4. In the driver's Properties tab, paste the key into the Secret Key field.
5. The driver broadcasts a message to every bridge and WiFi motor on the network to discover them and reports back all connected blinds.
6. Based on the bindings shown in the Connections tab, install the matching driver for each motor: uni-directional, bi-directional, TDBU or tilt.
7. Move each motor from its driver to identify which blind it controls, then rename the driver with the correct room and location.
8. Optional: set up a low-battery event. Battery level is not reported as a true percentage and depends on battery size, so adjust Battery Level Warning to the level you consider low.
9. Optional: enable automatic low-battery notifications (email or push). A 4Sight subscription is required.
10. Refresh Navigator.

4. Validation Checklist

Use this checklist to validate a BMIGHTY motor installation in a Control4 project. Tick each test once completed.

#	Test	Expected result	OK
1	**Discovery**	After pasting the Secret Key, the Number Of Blinds Found property shows every motor registered in the app.	☐
2	**Up / Down / Stop**	Every motor responds to all three commands from Navigator and from programming.	☐
3	**Level (bi-directional)**	When a percentage is sent, the motor stops at the requested position.	☐
4	**Feedback**	When the blind is moved with the remote or the app, Navigator shows the new position.	☐
5	**Battery level**	The Battery Level property shows a value and the event fires below the threshold.	☐
6	**TDBU**	Top and bottom rails are controlled independently and never cross.	☐
7	**Tilt**	Slats rotate to the requested angle; a 95–100 % position shift is normal.	☐
8	**Scenes**	A scene created in the Connector app runs from the Connector Bridge programming.	☐
9	**Polling**	With Poll Blinds enabled, states refresh even if the motor does not report changes.	☐

5. FAQ

How much does the driver cost?

Nothing. BMIGHTY provides the drivers to dealers and customers free of charge.

Why choose BMIGHTY motors?

- RF and WiFi motors that can be installed with or without power wiring, depending on the application.
- A complete range: uni-directional, bi-directional, tilt, Top Down / Bottom Up, curtains and more.
- Native Control4 integration through free, up-to-date drivers.

What equipment does it work with?

All BMIGHTY RF motors connected to a Connector Bridge (DD7002B / DD7006) or Mini Bridge (DD1554), plus WiFi motors controlled with the Connector app for iOS or Android. It also works with other motors built on the same platform.

Is the DD7006M model supported?

No. That device uses a different protocol and is not compatible.

What is the difference between the bridge models?

The Connector Bridge (DD7002B and DD7006) controls both bi-directional and uni-directional motors. The Mini Bridge (DD1554) controls bi-directional motors only.

Does it work with RS485 motors?

No. The driver only works with RF motors connected to the Connector Bridge or Mini Bridge, and with WiFi motors.

Does it provide two-way control?

Yes, on motors with bi-directional feedback: the driver controls them and receives the actual position. On uni-directional motors, the driver assumes the last command sent is the current state.

How do scenes work?

Scenes created in the Connector app are run from the programming tab of the Connector Bridge driver. They are not shown in Navigator, so they must be tied into programming.

The API only returns each scene's numeric ID, not its name; you can match them by checking the Connector app.

Bridge firmware A1.2.0_B0.3.4 or later is required (update it from the Connector app). Scenes are synced once a minute, on each heartbeat.

How do uni-directional drivers work?

They only have up, down and stop commands, with no feedback. Uni-directional motors are only supported by the DD7002B and DD7006 Connector Bridges.

How do TDBU drivers work?

They have two proxies: one for the top rail and one for the bottom rail. The top rail closes when it goes up and opens when it goes down; the bottom rail does the opposite, closing when it goes down and opening when it goes up.

If the top rail moves below the bottom rail, it pushes the bottom rail to the requested level; the same happens in reverse when the bottom rail moves above the top rail.

How do tilt drivers work?

They have two proxies: one for position and one for tilt. On some motors, tilt is driven by the same motor, so tilting the slats may shift the position slightly between 95 % and 100 %. This is normal behavior.

Does it work with WiFi shades?

Yes, with BMIGHTY WiFi motors controlled with the Connector app on iOS or Android.

Why can't the driver move my blind to the requested level?

If the driver is connected to the bridge and receiving the heartbeat, the motor most likely supports only up / stop / down commands (uni-directional motor).

6. Change Log

Version	Date	Changes
20260929	29-Sep-2026	Added the ability to fire a scene from programming. The API provides only the scene ID, not its name.
20251002	02-Oct-2025	New property to enable or disable polling, useful for bi-directional motors that do not report state changes or when the hub has stale data.
20241118	18-Nov-2024	Support for multiple tokens, as WiFi motors and bridges use different tokens.
20240712	12-Jul-2024	Upgraded logging to write to disk on Control4 OS 3.3 and above (applies when Debug Log is set to ‘Log’ or ‘Print and Log’).
20240625	25-Jun-2024	1 second between messages is recommended (default); the minimum changes from 50 ms to 500 ms. Message ID now uses a date-time format.
20220509	09-May-2022	Licensing removed: the driver is free.
20220204	04-Feb-2022	Adjustable command queue timer. Option to send a stop command before each command.
20211026	26-Oct-2021	Initial release.

7. Credits and Notices

Drivers developed by Chowmain Software. Distributed by BMIGHTY free of charge to Control4 dealers.

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