

Tuya Curtains & Blinds

Manufacturer	**Tuya**
Model	**Tuya Curtains & Blinds**
Control platform	**Crestron Home**
Connection	**Local Tuya IP / protocol 3.3**
Driver developer	**iteQ Living**
Driver version	**0.2.11**
Document revised	**30 October 2026**

Overview

Control compatible Tuya curtain motors from Crestron Home over the local network.

Features

Open, Close, Stop and supported position controls. Follow the guide for compatible motor requirements and local-key setup.

iteQ Living Tuya Curtains & Blinds - installer guide 0.2.11

Package: **iteQ_Living_Shades_Tuya_Curtains_IP.pkg**

Help PDF: **iteQ_Living_Shades_Tuya_Curtains_IP.pdf**

Catalogue revision: 17 October 2026. Driver version unchanged.

Installer guide | 6 October 2026

Catalogue: **Shades > Tuya > Tuya Curtains & Blinds (iteQ Living)**

Installation

Compatibility

Validated with the WSCMJ-2 curtain motor, identified in Tuya as WSCMJ-WIFI, using local protocol 3.3. Other Tuya models are not automatically compatible. Travel limits and the mechanical drive must work correctly. Roller-blind compatibility and a curtain/blind icon selector are not included in this version.

Licence and trial

Price: GBP 100 excluding VAT. One licence covers one Crestron processor and multiple supported motor instances. Each additional processor requires another licence. Leave the licence key blank for the 24-hour trial, recorded against the processor and product. Adding another instance or reinstalling does not restart the trial.

Find drivers and licences

https://iteqliving.com/shop/

Install

1. Import iteQ_Living_Shades_Tuya_Curtains_IP.pkg. Find Pair Devices > Drivers > Shades > Tuya > Tuya Curtains & Blinds (iteQ Living). The WSCMJ-WIFI listing refers to the same package.

2. Add one instance per motor in its room.

3. Enter a reserved local IP address, Tuya device ID and 16-character Tuya local key for that motor. A MAC address is not a substitute. Re-pairing in Tuya may change the local key.

4. Leave Licence key blank for the trial, or enter your purchased licence key. The purchased licence uses the processor MAC, not the motor MAC. Enter the same purchased key in each supported instance on that processor.

5. Allow connection and licence validation to complete, then test with the track clear.

Internet and local access

Internet access is required for trial validation and first purchased activation. A verified purchased licence is saved for offline use. Keep the purchased key entered and maintain local network access to the motors. Purchased control after a processor reboot with internet blocked was successfully tested on a CP4-R.

Retrieve the Tuya local key

The Tuya app's Virtual ID is the motor's Device ID, not its Local Key. You also need the motor's reserved local network IP address, not its cloud/WAN address.

1. Open Tuya Installer Utility for Windows and download the Windows tool ZIP. Choose Extract All, then open **Tuya Local Key.exe**. No Python installation or commands are needed.

2. Select **Smart Life** or **Tuya Smart**, matching the app containing your motor, then click **Open tool**. Keep the small Windows window open while using the browser tool.

3. In the phone app, find Me > Settings > Account and Security > User Code. Enter this code in the browser tool. Menu wording may vary.

4. In the phone app, tap + > Scan. Scan the computer's QR code and approve login. The authorisation may identify Home Assistant; installing Home Assistant is not required.

5. Match your motor by name and Device ID. Copy its Device ID and Local Key into the driver settings. Use its LAN IP from your router or local scan and reserve that address.

6. Log out in the browser when finished, then click Quit in the Windows window. Closing the window alone does not remove the saved login and caches.

Read the illustrated Windows setup guide for the complete walkthrough. The Windows 64-bit utility is currently preview 1.0.0-rc2 and is unsigned. Contact support if Windows blocks it; do not disable security protections.

Tuya Local Key is the original third-party project by Vineet Choudhary, distributed under Apache 2.0. Windows packaging and support are provided by iteQ Living with the author's permission. Licence notices and launcher source are included in the utility ZIP. Keys do not pass through iteqliving.com; the utility contacts Tuya for login and device information.

Device ID, Tuya Local Key and your purchased driver licence key are different values. Keep keys and QR login details private. Re-pairing may change the Local Key. Retrieving a key does not prove compatibility with an untested motor. Existing working driver settings do not need changing.

Controls and feedback

Room tile

Tap a closed curtain to open it, or an open curtain to close it. While a driver-commanded movement is pending, tap again to send Stop. After stopping partway, the next tap reverses the previous open/close direction. At a reported endpoint, the next tap moves away from that endpoint without an unnecessary Stop. This is based on driver commands and reported position, not independent physical movement detection.

Show additional controls: checked shows the ellipsis for the detailed control page; unchecked hides it for tile-only Open/Stop/Close operation. The main tile retains its action in both modes. The icon follows reported position.

Control page

Open, Stop, Close and 25%, 50%, 75% buttons are available. Percentages mean percentage closed. The Position box and main tile show command feedback.

Movement feedback

After a successful command send, Opening... or Closing... remains until a subsequent motor reading reaches the target. Presets show Setting followed by the target percentage. Motor feedback can report the target before physical travel ends; the display does not prove the motor has stopped. Remote-control operation updates reported position but does not necessarily show Opening... or Closing....

Position display

Readings 0-1 display Open; 99-100 display Closed. Readings 24-26 display 25%, 49-51 display 50%, and 74-76 display 75%. This tidies the display without changing the underlying commands or motor feedback.

Unconfirmed movement

If the target is not reported within two minutes, Movement unconfirmed replaces the movement label. A later target report clears it. Stop displays Stop while being sent, then briefly retains that label before returning to position. A new command replaces the previous indication. Failed sends briefly display Command unconfirmed. Failed movement commands are not automatically retried.

Connection and licence

Online describes the motor connection; it does not mean the licence permits movement. Brief missed polls retain the last position. Three consecutive failed polls or 15 seconds without successful status causes an offline indication. Reconnection is automatic. Movement is disabled when limits, usable position or a valid licence are unavailable.

Trial expiry

At expiry, the tile displays Trial expired and Open, Close, percentage buttons and tile-toggle movement are blocked. Stop remains available with configured motor settings, but may wait behind a bounded network operation. Expiry itself does not send Stop or halt an already moving curtain. Position monitoring continues.

Support and release notes

Licence messages

Checking licence: validation is in progress. Licence key required: this processor already has an active purchased licence, but the key field is blank. Licence key invalid: the entered key was rejected. Trial expired: the trial has ended. Licence check unavailable: validation could not be completed. There is no separate licence-status field in installer settings in this version.

Troubleshooting

Check the reserved motor IP, Wi-Fi and processor network route. Close Smart Life while investigating intermittent connections; app contention is a possibility, not a confirmed cause. Check that the processor can reach the licence service when activating. Never use the database licence-key hash as the purchased key.

Calibration and updates

Follow the motor manufacturer's documented procedure to calibrate limits. A Reset_limit option alone does not establish how calibration works; do not use it to set a preferred open position without the model instructions. This driver does not reset limits, reverse direction or alter auto-start. To update, import the package and update the existing instance, preserving motor settings and licence key. If no update is offered, contact support before removing the working instance. Do not add a duplicate instance for the same motor.

Validated behaviour

User testing has confirmed curtain controls, position and movement feedback; wrong-key movement lockout; purchased activation; normal restart; and purchased control after restart with processor internet access blocked. A shortened five-minute trial was tested on 3 October 2026: the tile displayed Trial expired, movement buttons disabled, and restoring the purchased licence restored control. The normal trial duration remains 24 hours.

Verification scope

The 0.2.11 package uses the live shop licence service. Live activation and signed offline-licence verification passed, and normal curtain operation was confirmed on site. These checks do not establish compatibility with other motor models or Crestron certification. Physical Stop after trial expiry and full multi-motor commissioning should be checked as part of release verification. The driver does not offer an adjustable preferred-open position.

Support

Email support@iteqliving.com with driver version, processor model, motor model and a description of the problem. Do not include Tuya local keys or purchased licence keys in screenshots. Manufacturer: Tuya. Developer: iteQ Living. Licence product identity: tuya-curtains (unchanged).

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