Control Programming LLC

Release Notes

CPLLC Gaposa LinkIT Platform

Version 5.00 · November 8, 2026

Product	CPLLC Gaposa LinkIT Platform (Crestron Home platform)
Version	5.00
Release date	November 8, 2026
Where to find it	Drivers › Platform › Gaposa › LinkIT-RS232
Requires	Crestron Home OS 4.12 or later, and a Gaposa LinkIT RS-232 controller wired to one of the processor's own RS-232 ports
Licensing	A Gaposa LinkIT Platform license key (cpllc.net/product/gaposa-linkit) or a CPLLC site license key (cpllc.net/product/site-license), entered in the platform's Enter License Key, or a site license key once in the CPLLC License Manager

Overview

The CPLLC Gaposa LinkIT Platform brings Gaposa motorized shades into Crestron Home through Gaposa's LinkIT RS-232 controller. The installer names the motors on the LinkIT's 24 channels, and the platform adds each named motor to Crestron Home as a shade of its own, with Open, Stop and Close, tilt, and the motor's preferred (My) position for sequences.

Capabilities

Capability	What it does
RS-232 control	The LinkIT is driven at 9600 baud, 8 data bits, no parity, 1 stop bit, from one of the processor's own COM ports.
Up to 24 shades	Each of the LinkIT's 24 channels the installer names becomes a Crestron Home shade, ready to be placed in a room.

Capability	What it does
Open, Stop, Close	Each shade opens, stops and closes from its tile, its page and sequences.
Tilt	Open Tilt and Close Tilt on each shade's page and in sequences, for motors that tilt.
My position	Shade Go To My Position sends the motor to its preferred position; Shade Save My Position stores where it is now as that position.
Sequences	Each shade brings its actions and events to Crestron Home sequences.
Live changes	Debug output turns on and off while the processor runs.

What's New in 5.00

- Rebuilt on the Crestron Home SDK V2 and the CPLLC 5.0 shared libraries.
- Each named motor is now a Crestron Home shade of its own, in its own room, with its own tile and page, where the earlier version showed every channel on one tile.
- Tilt and the preferred (My) position stay available: tilt on each shade's page, Go To and Save My Position in sequences.
- Auto close, a PIN code and the icon and text fields, as on every CPLLC shade.
- Its own license key, or a CPLLC site license key, licenses the platform by itself, so the CPLLC License Manager is no longer required; it is still the convenient place to enter a site license key once for every CPLLC driver.

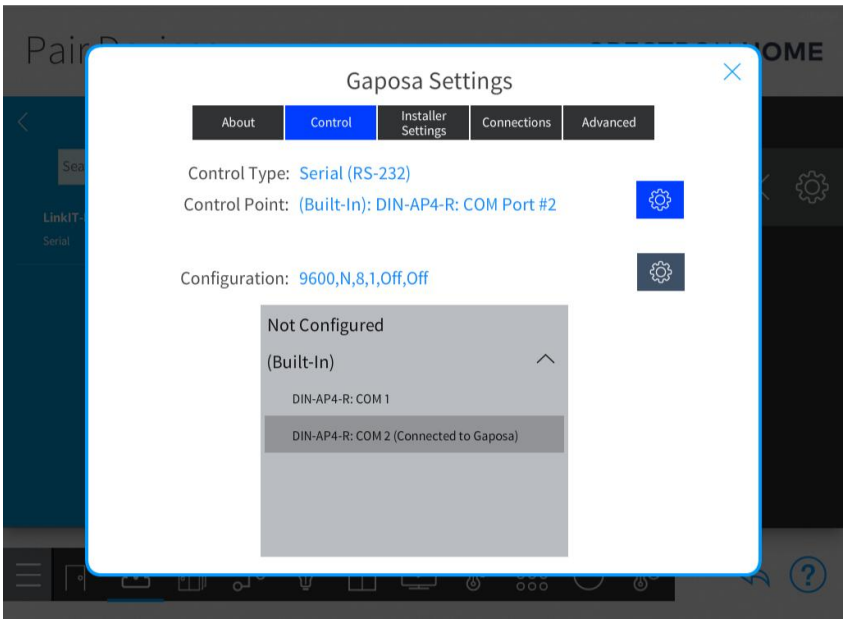
Installing

Wire the LinkIT's RS-232 port to one of the processor's own COM ports, and make sure each motor is paired to its LinkIT channel and runs from the LinkIT first.

Version 5.00 is a new Crestron Home driver: it does not replace an installed earlier version. Remove the earlier one and add this one.

Add the platform from Drivers › Platform › Gaposa › LinkIT-RS232. The CPLLC License Manager is not required. Setup asks for the license key and the motor names (below); name each channel a motor is on and leave the others blank. When Setup asks for the control port, choose (Built-In) and Next; the platform then shows Control Port Not Selected. Open its settings (its gear in the room), go to Control, expand (Built-In) and pick the COM port the LinkIT is wired to. Control Point then reads the port, and Configuration 9600,N,8,1.

Each named motor is then listed under Managed Platforms › the platform's name in Pair Devices, ready to be added to a room with its +.

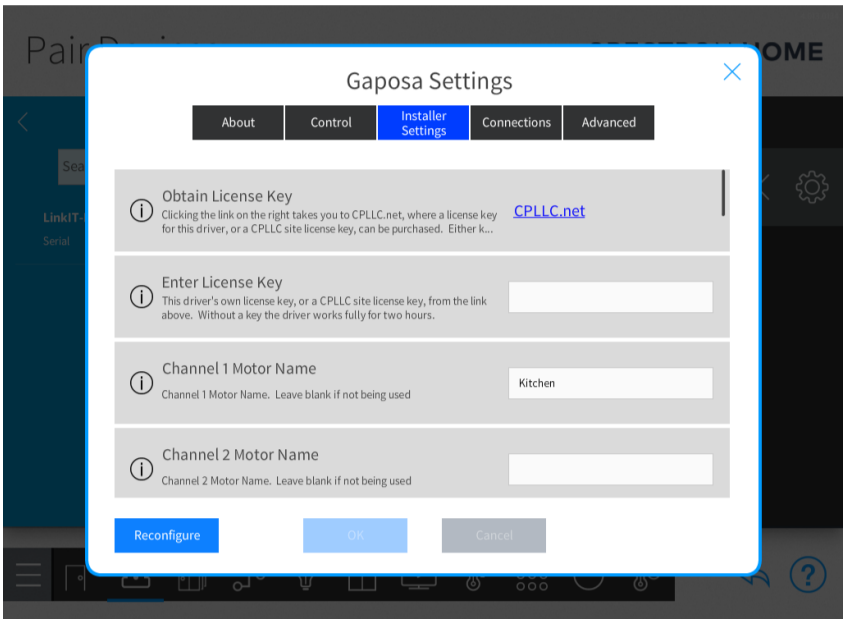


The LinkIT's COM port, under (Built-In) on the Control tab

A shade's page holds Stop and tilt. Each shade starts with Only Display Tile checked, as every CPLLC shade does, which shows the tile alone: uncheck it in the shade's Installer Settings to give the tile its … button and page, and check Enable Stop Button for Stop.

Installer Options

Option	Description
Obtain License Key	Opens CPLLC.net, where license keys and site licenses can be purchased.
Enter License Key	The Gaposa LinkIT Platform license key. Leave blank when the site has a CPLLC site license.
Channel 1 Motor Name … Channel 24 Motor Name	The name of the motor on that LinkIT channel, which is the shade's name in Crestron Home. Leave a channel blank when no motor is on it.

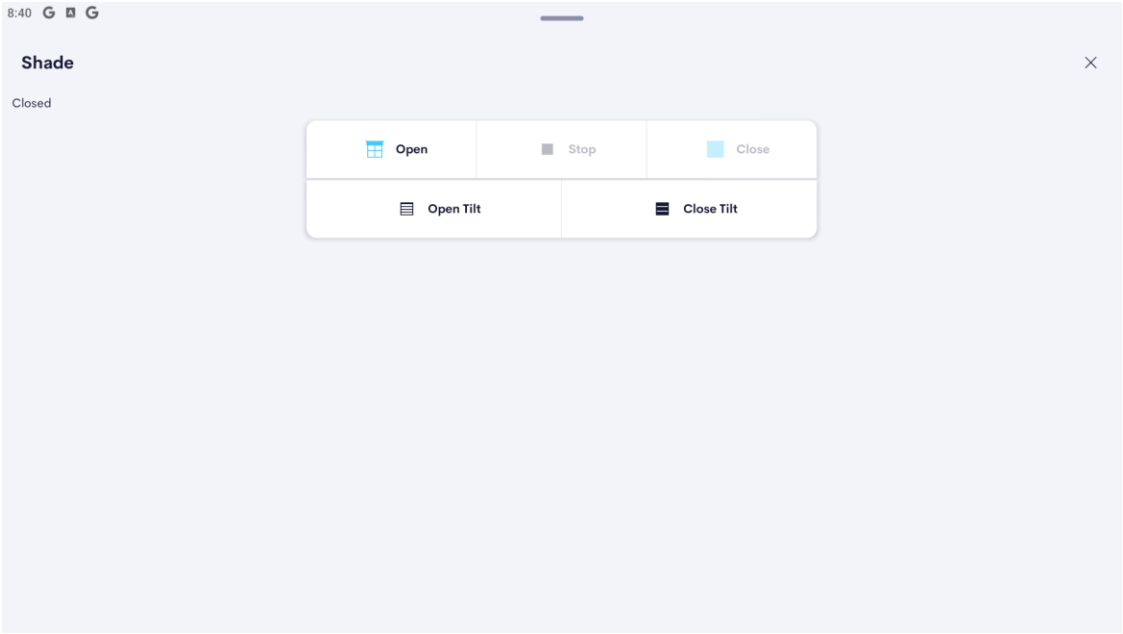


The platform's license key and motor names

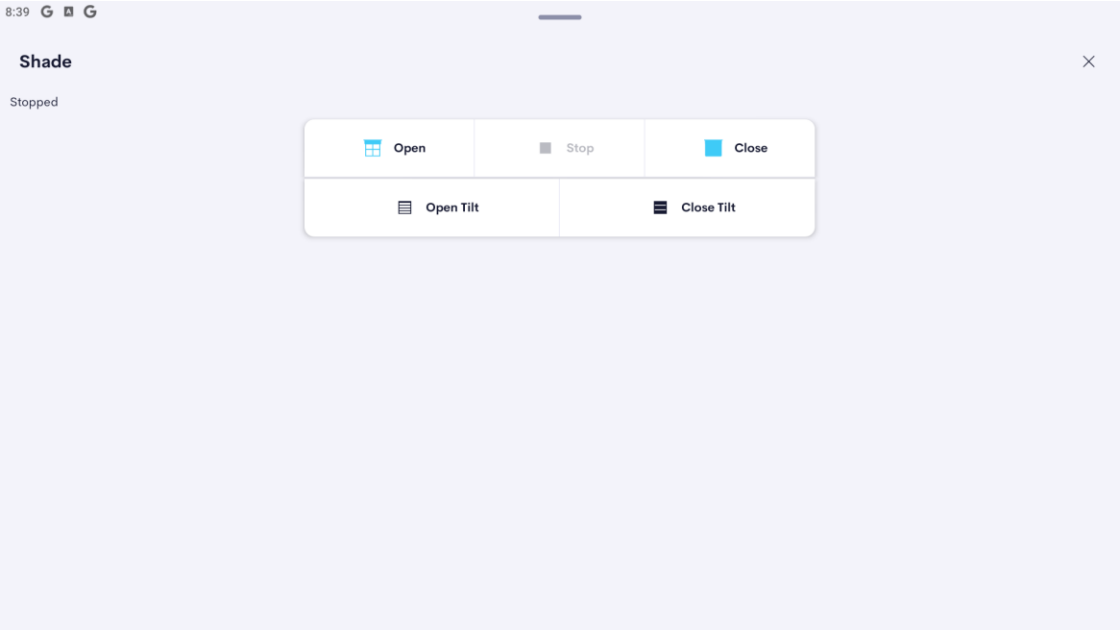
A channel named later is added to Managed Platforms when the settings are saved. Renaming or blanking a channel takes effect once the platform is reloaded; until then the shade already paired keeps its name.

Shades

Each named motor is a Crestron Home shade. Touching its tile opens or closes it. With Only Display Tile unchecked, its … button opens its page: Open, Stop and Close, then Open Tilt and Close Tilt. The LinkIT reports nothing back, so the tile and page show what the shade was last told, and the transition times set how long it shows Opening and Closing.



A shade's page: Open, Stop, Close, Open Tilt and Close Tilt



Stopped part way: Open and Close both lit

Besides Show on Home Screen, Show in Room Screen, the PIN code and the icon and text fields with the Show CH Icons link, a shade has:

Option	Description
Tile Clickable	Touching the tile opens or closes the shade (default on).
Only Display Tile	Shows the tile alone, with no page of controls (default on). Uncheck it for Stop and tilt.
Seconds between Fully Closed/Opened	How long the shade takes to open, so the page shows Opening until it is open.
Seconds between Fully Opened/Closed	How long the shade takes to close, shown as Closing.
Enable Stop Button	Shows the Stop button on the page (default off).
Auto Enabled	Offers the auto close timer and Shade Open w/Auto Close (default off).
Auto Time in Seconds	The auto close time is in seconds; unchecked, it is in minutes (default).
Maximum Auto Time	The longest auto close time allowed, in the unit above (default 600).

A shade adds these actions and events:

Action	Description
Shade Open / Shade Close	Opens or closes it, as the Open or Close button does.
Shade Stop	Stops it part way, as the Stop button does. Offered when Enable Stop Button is on.
Shade Toggle	Opens it when closed, closes it when open.

Action	Description
Shade Open Tilt Press / Shade Close Tilt Press	Tilts it open or closed, as the tilt buttons do.
Shade Go To My Position	Sends the motor to its preferred (My) position.
Shade Save My Position	Stores where the motor is now as its preferred (My) position.
Shade Open w/Auto Close	Opens it, then closes it again after the number of minutes given. Offered when Auto Time in Seconds is off.
Shade Open w/Auto Close (Seconds)	The same, in seconds (1 to Maximum Auto Time). Offered when Auto Time in Seconds is on.
Shade Feedback Open / Shade Feedback Close	Sets the state the tile shows (Opened or Closed), without moving the shade.
Extension Enable / Extension Disable	Enables or disables the shade. A disabled shade shows Disabled and ignores its tile and page.
Event	**Description**
Shade is Opening / Shade is Closing	A move started.
Shade is Opened / Shade is Closed	A move finished.
Shade is Stopped	A move was stopped part way.
Shade Open Tilt Pressed / Shade Close Tilt Pressed	A tilt button was pressed, on the page or by its action.
Extension Enabled / Extension Disabled	The shade was enabled or disabled.
Pin Locked / Pin UnLocked	The PIN keypad locked again, or the right PIN was entered (with a Starting Pin Code set).

Sequences

Each shade brings its actions and events (above) to Crestron Home sequences, under its name in Customize Actions & Events. Go To My Position in a scene, for example, brings every shade to its own preferred height at once.

End-User Experience

The platform has no tile of its own. Each shade appears in its room as a Crestron Home shade; touching the tile opens or closes it, and its … button opens its page.

Without a valid license key or a CPLLC site license, the shades run for a two-hour grace period after the platform starts; then they show License Expired and stop working until a key is entered.

Known Limitations

- The LinkIT reports nothing back: Crestron Home shows what each shade was last told, not where it is. A shade moved by its remote or at the LinkIT keeps showing its last state.
- There is no position (percent) control: the LinkIT offers open, close, stop, tilt and the preferred position only.
- Gaposa publishes no RS-232 protocol for the LinkIT on its website: the platform sends the same commands as the earlier version. A change in the LinkIT's firmware could stop it until the platform is updated.
- When the platform starts, and whenever the motor names are saved, it sends the LinkIT an enable for each named channel and a disable for each blank one, as the earlier version did.
- Not yet tested with a LinkIT: version 5.00 was tested on a processor's COM port, checking each command's bytes against the earlier version, with no motors attached.
- A newly added shade starts as Opened and closes itself a few seconds later (seen when the test shades were first added), so a motor may move once when its shade is first added to a room.

Test Environment

Crestron Home 4.013.0134 on a DIN-AP4-R, set up with Crestron Home Setup and used from the Crestron Home app on Android. The platform on the processor's COM 2 at 9600,N,8,1 with two channels named (1 and 9) and no LinkIT attached: both shades were listed under Managed Platforms and added to a room, and Open, Stop, Close, Open Tilt and Close Tilt from the page, and Go To My Position and Save My Position from a quick action, each sent the earlier version's bytes for its channel out of the port.

Version History

Date	Version	Changes
2026-11-08	5.00	Rebuilt on the CPLLC 5.0 libraries as a platform: each named motor is a Crestron Home shade with Open, Stop, Close, tilt and its preferred position

Support

> **CPLLC Site License**
> A CPLLC site license is one key per processor, entered in the License Manager, that licenses every CPLLC extension and platform on that processor, current and future, so no product needs a key of its own. See the Site License page. Customers who already own CPLLC license keys can upgrade to a site license on the CPLLC website for the difference.

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Website	https://cpllc.net
Product page	https://cpllc.net/product/gaposa-linkit/

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