

linkIT-Control4

Link your motors by integrating Gaposa radio motors into Control4's industry-leading smart home control solutions.

LinkIT allows for group and individual motor control. Simply connect by using our approved connection cable to your controller and install the easy to use integration driver. Each LinkIT can support up to 24 channels depending on model number.



TECHNICAL CARACTERISTICS

RS232 communication protocol

Individual or group control

16 or 24 individual channels

Tilting mode

Intermediate position

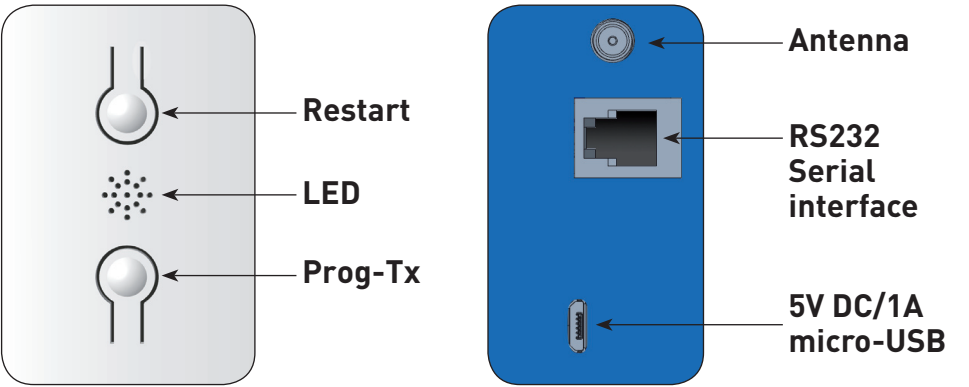
LED for feedback

Reset and programming button.

Hardware

Reference	Channels	Country
linkIT-434-16	16	USA
linkIT-434-24	24	USA
linkIT-868-16	16	Europe
linkIT-868-24	24	Europe

Comes with 2A, 5V micro-USB power supply
It is possible to install more than one LinkIT provided your Controller has the requisite number of RS232 ports or a Remote RS232 - TCP/IP Convertor is used. No daisy chain possible.



LED status	Green	On first power up and ready status
	Red	When radio transmission is in progress
	Blue	When the optional wireless/cloud service is connected

RJ11 – DB9 connection



USAGE	RJ11 PIN	DB9 PIN
5 Volt Power	1	NA
TXD	2	2
RXD	3	3
GND	4	5

Note: RS232 is located on the RJ11 Socket: (Warning Check for crossover of pins 2 & 3 depending on the equipment used)
5V Pin is optional and is provided to allow LinkIT to be powered via the RJ11 socket.
This is for advanced installation only and should not be used alongside the 5V micro USB input.

Cabling distance

15 meters or more if special cables are used.
Cable options:

Reference	Description
	Serial connector with RJ11

CONTROL4 DRIVER:

Control4 version required: 2.9.0 minimum
Initial release date: 01-01-2020
Last modified: 01-01-2020

Driver functions

This driver enables you to use the Gaposa LinkIT in a Control 4 installation. The driver consists of a main gateway driver which communicates with LinkIT by RS232. Slave drivers then provide control over 1 motor (blind) address. The driver can control up to 16 or 24 motors.

Important - Trying to control more motors than you LinkIT license will result in a failure to operate.

Maximum number of linkITs

It is possible to install more than one LinkIT provided your Controller has the requisite number of RS232 ports or a Remote RS232 - TCP/IP Convertor is used.

Driver installation

Download the driver from www.gaposa.com/linkit/c4linkit200.zip
Extract the drivers from the zip file to MyDocuments/Control4/Drivers folder on your PC.

First Installation

If this is your first installation using the driver, please make sure you read the whole of this manual before touching any equipment.
We highly recommend setting up the driver in your office or shop first before installing it on site.

Connection

Ensure you are using the correct LinkIT integration Kit for your control 4 controller.

CA1	Link-232-45
EA1	Link-232-35
EA3	Link-232-35
EA5	Link-232-DB9

The RJ11 should be connected to LinkIT and the C4 Connection to the controller before power up. With the cable in place ensure LinkIT is powered from a 2 Amp 5Volt USB power source.

CONFIGURING THE DRIVER

Important - You must install the Gaposa Blind RS232 interface driver first before adding any slave drivers.

Add master driver

Items

Locations

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Category:

-- All Categories --

Type:

-- All Types --

Manufacturer:

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Control Method:

All Methods

 Sort:

Relevance

Gaposa Blind

Janus 11/3/2019 5:13 PM

Local

Gaposa Blind RS232 Interface

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Local

Bind the Driver to the correct RS232 port on the controller

Control & Audio Video Connections				
Gaposa Blind RS232 Interface				
Name	Type	Connection	Input/Output	Connected To
Control Inputs				
Serial RS-232	Control	RS_232	Input	CA-1->SERIAL
Control Outputs				
Gaposa Blind Proxy	Control	GAPOSA_BLIND	Output	Blinds->Gaposa Blind Proxy
RS_232 Output Devices				
Device	Name		Location	Connections
CA-1	SERIAL		Room	Gaposa Blind RS232 Interface->Serial RS-232

Add the slave blind driver to the room the blind is located in

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Category:

-- All Categories --

Type:

-- All Types --

Manufacturer:

-- All Manufacturers --

Control Method:

All Methods

 Sort:

Relevance

Gaposa Blind

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Local

Configure the blind driver; see below for details:

Advanced Properties

Properties Actions Documentation Lua

Driver Version	200
Blind Channel ID	1
Set Level	Not available
Can Stop	Yes
Open/Close Travel Time (sec)	15
Debug Mode	Off
Debug Subsystems	
Debug Level	0

PAIRING MOTOR

Before a motor can be controlled LinkIT must be paired to the motor. There are two options:

New Motor (No handheld remote)

1. Ensure you have added the LinkIt drivers to control 4 first.
2. Select Channel ID (Starting at 1) -
3. Double Click the Driver to open the control view and press the up or down button.
4. Press Prog-TX button or switch to the action tab and use the software button.
5. Wait for the motor to go up or down
6. Switch to control view:
7. Press up if the motor travelled up and down if the motor travelled down.
8. Programming is now complete.
9. Repeat using a different channel ID depending on the number of motors you wish to control.

To control a group of motors add the same channel ID to all motors in the group.

Existing Motor (With handheld remote)

Ensure you have added the LinkIt drivers to control 4 first.

1. Select Channel ID (Starting at 1) -
2. Press Prog-TX on the remote control this will place the motor in pairing mode
3. Switch to control view:
4. Press up if the motor travelled up and down if the motor travelled down.
5. Programming is now complete.

CONFIGURATION OPTIONS

Driver Version:

Version of Currently installed driver

Blind Channel ID

Each Motor that requires control will need a seperate ID (see warning above for the maximum allowed channel allocation)

Set Level

Control4 can simulate opening the blind to a pre-set position(determined by percentage open). This is done by timing the travel from fully closed to fully open. To use this feature the travel time must be entered.

If you wish to disable this please set this to "not available" and the open/close travel time to "0."

Can Stop

Stop function Enabled / Disabled

Open/Closed Time

Set the time value to be used with Set Level

Debug Options:

These are functions reserved for technical support do not alter these unless directed to do so.

Allocating a channel ID:

1. When you have correctly allocated a Blind Channel ID in the properties tab, switch to the Actions tab. (See screenshot below)
2. Press Add Motor and the blind will move up or down.
3. Follow the motor Handset pairing guide to complete the addition of the LinkIT as a transmitter.
4. To delete follow the guide and instead use the Delete Motor option.

To add to an existing motor, open the channel with the handset first.

ADVANCED ACTIONS

Tilt:

Allows for testing of the tilt operation in motors with this feature

Interim Position:

Allows for testing of the interim position in motors with this feature.

To operate either option you will require advanced programming see below.

Advanced Programming:

The driver supports integration with third party keypads / lighting control systems. In addition to the standard features of Open/Close/Stop the driver also supports Tilt and Interim position.

The advanced options will need to be connected to a user interface though custom programming.

