

# INMOTION®

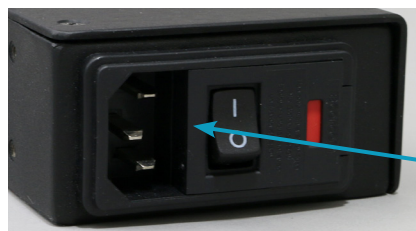
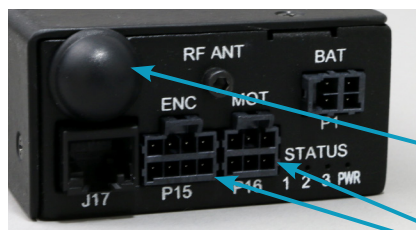
## CERTIFIED SAFE & PROVEN RELIABLE

INMOTION's G3 Controller is the epitome of purposeful design & product performance. The result exemplifies the state-of-the-art, certified safe, superior product that the G3 Controller truly is.



< automatically **MORE BEAUTIFUL** >

# CONTROLLER DETAILS & SPECS



## TECHNICAL FEATURES & BENEFITS

- Small, Sleek Design: **Fits in Standard 2x4 Construction**
- Lightest on the Market: Only 2.2 Lbs
- Built In Wireless
- UPC Power Backup Available
- Unique Connector Ports: Error Proof Installation
- Simple Set Up Programming
- BLE Advanced Adjustability
- Fused Electrical Input

## THE LEADER IN TECHNOLOGY & COMPLIANCE

- **Safety: The First & Only Residential Door Automation System to**

**Achieve these Accreditations:**

- UL325, CSA C22.2 Certified
- Fire, Shock, Entrapment & Impact Certified
- FCC Certified
- FCC Compliant to Radio Frequency Emission Interference
- Market Leading 900 Mhz Wireless Technology
  - Most Reliable & Longest Range: 300+ Feet & Multiple Layers of Common Building Materials
- Soft Open & Close Feature
- Inline, Stacking, Pocketing, Bi-Parting & Curved Applications



## ABOUT INMOTION

INMOTION lets you control your surroundings with a touch of a button. We automate any type of sliding door system—straight line, corner or curved; interior or exterior; stacking or pocketing—gracefully uniting your outdoor and indoor living areas into one magnificent space.

INMOTION is backed by Caldwell, a global window & door hardware manufacturer and fenestration industry technology leader; family owned and operated by since 1888.

Visit [inmotion.company](http://inmotion.company) for more information including: Quick Start Guides, CSI Specifications, Installation Instructions, Detail Drawings, Warranty Information and more.



1635 W 12th Pl  
Tempe, AZ 85281



Direct 480-922-2497  
Fax 480-922-3102  
Toll Free 1-800-426-7113



[info@inmotion.email](mailto:info@inmotion.email)



[www.inmotion.company](http://www.inmotion.company)



# INMOTION®

## UNIQUE LIKE YOU

The INMOTION G3 Controller comes standard with Lifestyle Modes so your doors are as Unique as you are. Your door is ready to fit your Lifestyle, in whatever way works best for you.

### ENTERTAINMENT MODE



### CLOSE BEHIND MODE



### MOTION ASSIST MODE



### SIMPLICITY MODE



< automatically **MORE BEAUTIFUL** >

# LIFESTYLE MODES

## ENTERTAINMENT MODE

- We see you coming!
- Hands full? Using your motion sensor, the door will sense when you are close by and open 4' for you to walk through. It will then close automatically when you get through the door.

## CLOSE BEHIND MODE

- One less thing to worry about!
- You're busy, we get it. Use the wall switch to Open the door; the door will open 4' for you to pass through. Then it will close automatically after you.

## MOTION ASSIST MODE

- Give the door a nudge, and it will take over!
- If you give the door a little push, the motor will take over and open the door to 4'. Then, if you give it a little push closed, the motor will take over and close the door, too.

## SIMPLICITY MODE

- Your door knows where it is, it gets your point!
- The 'One Button' Mode: just press the Stop button or link a 3<sup>rd</sup> party single button device and your door will Open, Close or Pause mid-travel, whatever makes the most sense.

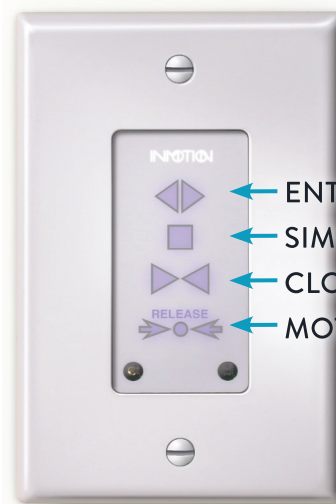


## EASY IMPLEMENTATION

1. Press and hold Open & Close for about 2 seconds, until the motor "double clicks," then release.
2. Then press the button associated with the Lifestyle Mode of your choice. The motor will "double click" again and your selection will be enabled.

To switch from one Lifestyle Mode to another, repeat the above steps and select a different mode in step 2

To return to Normal Mode, perform step 1 twice: Press Open + Close until the motor "double clicks," and repeat.



- ← ENTERTAINMENT MODE
- ← SIMPLICITY MODE
- ← CLOSE BEHIND MODE
- ← MOTION ASSIST MODE

## ABOUT INMOTION

**INMOTION lets you control your surroundings with a touch of a button. We automate any type of sliding door system—straight line, corner or curved; interior or exterior; stacking or pocketing—gracefully uniting your outdoor and indoor living areas into one magnificent space.**

**INMOTION is backed by Caldwell, a global window & door hardware manufacturer and fenestration industry technology leader; family owned and operated by since 1888.**

**Visit [inmotion.company](http://inmotion.company) for more information including: Quick Start Guides, CSI Specifications, Installation Instructions, Detail Drawings, Warranty Information and more.**



1635 W 12th Pl  
Tempe, AZ 85281



Direct 480-922-2497  
Fax 480-922-3102  
Toll Free 1-800-426-7113



[info@inmotion.email](mailto:info@inmotion.email)



[www.inmotion.company](http://www.inmotion.company)

# G3 Programming

Part Number(s): 28C0016

**G3D**  
v0.7.5+



## G3D (Single & Dual) Programming for One-Way & Bi-Part Doors

Initial Wiring

Programming

CLI [Optional]

- If this a first time setup, refer the “Tips” section at the end of this procedure to verify the Primary & Secondary communication using the controller’s status LED’s.
- **If programing a Single Motor G3 with firmware v0.7.5, follow the Primary programming steps and stop when the Secondary programming steps begin.**
- Programming a G3D “Dual” requires programming each controller in sequence, Primary then the Secondary
- For a Bi-Part system, either controller can be the Primary
- For a 90° system however, the door that must open first, **MUST be the Primary controller**. Refer to the full G3 Automation Manual for help with identifying Door 1.
- When installing a 90° system, Step 4 configures the system as a 90° as apposed to a Bi-Part. 90° (One-Way) is the default.

1	<p>Turn <b>BOTH</b> controllers <b>OFF</b>. Connect 10 Pin/Molex cables and the AC power cords to <b>BOTH</b> controllers. Do NOT turn either one on yet</p>	
2	<p>Use a wireless OR wired wall switch which is attached to the <b>PRIMARY</b> G3 Controller.</p> <p>Wireless components purchased with G3 controllers, will be pre-paired at the factory.</p>	
3	<p>Manually close BOTH doors.</p> <p>Power on the <b>Primary</b> G3 Controller, then the <b>Secondary</b> G3 Controller</p> <p>Wait for the motor/brake “double click”...</p>	<p><b>Fully CLOSE the doors</b> <b>Power on the Primary G3 first, then the Secondary G3</b></p> <p><b>Wait for the “double click” from the motors...</b></p>
4 opt	<p><b>Setting 90°(One-Way) &amp; Bi-Part</b></p> <p>Using a wall switch/remote attached to the PRIMARY controller...</p> <p>Press and hold the “Stop” button until the motor “clicks” (about 10s).</p> <p>Press <b>OPEN</b> to select a 90° (DEFAULT) (motor will click 2 times) OR Press <b>CLOSE</b> to select Bi-Part (motor will click 3 times)</p> <p>Setup will exit after this setting</p>	<p><b>Only Required if System is a Bi-Part ( 90°/One-Way is the DEFAULT )</b></p> <p>Hold “Stop” until the motor “Clicks” (about 10s)</p> <p>Press CLOSE (1s) for a 90° System. Motor “clicks” 2 times</p> <p>Press CLOSE (1s) for a Bi-Part System. Motor “clicks” 3 times</p>

800-426-7113

Technical Document Number

Rev. 1.009

2022-08-23





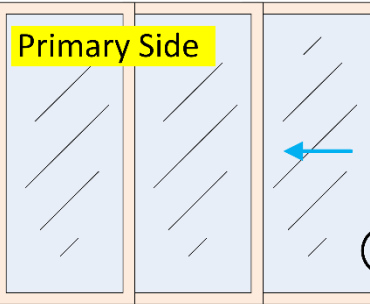
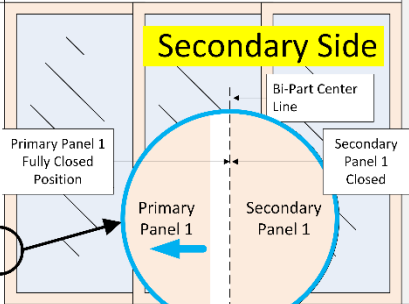
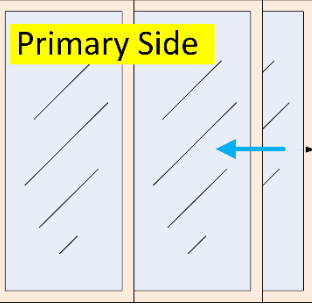
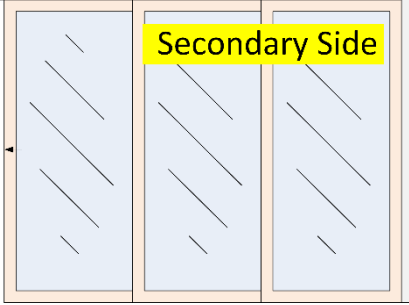
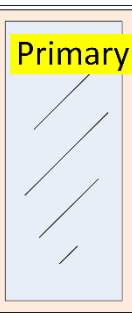
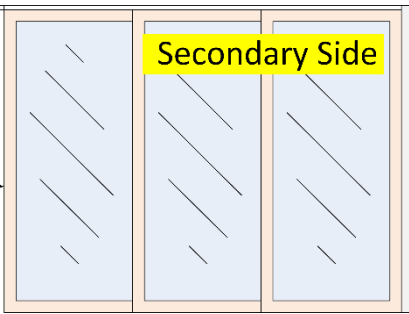


# G3 Programming

Part Number(s): 28C0016

**G3D**  
v0.7.5+



5	<p>Press and hold the “Stop” button again for about 10s to re-enter programming.</p> <p>Motor “clicks” (about 10s).</p> <p>If using the CLI use the command “<b>button autosetup</b>” or “”</p>	<div><p>10s</p></div> <div><p>Primary “CLICK”</p></div> <div><p>Hold “Stop” until the Primary motor “Clicks” (about 10s)</p></div> <div><p>OR</p><p>Use the CLI to send the command “<b>b autosetup</b>” or “<b>b a</b>”</p></div>
6	<p><b>Primary: Set Jam Depth</b></p> <p>After the Primary motor “click”</p> <p>Open the Primary, Panel 1, ¼” to ½” to set the Jam Depth.</p> <p>Wait for the motor to “click” (~5s).</p>	<div><div><p>Primary Side</p></div><div><p>Secondary Side</p></div></div> <div><p>Primary Panel 1 Fully Closed Position</p><p>Primary Panel 1</p><p>Secondary Panel 1</p><p>Bi-Part Center Line</p><p>Secondary Panel 1 Closed</p><p>Primary ¼” to ½” From Fully Closed</p></div>
7	<p><b>Primary: Set Motor Polarity</b></p> <p>Manually open the Primary panel about 1 foot.</p> <p>After about 5 seconds, the door will move about 4 inches then...</p> <p>Wait for the motor to “click” (~5s)</p>	<div><div><p>Primary Side</p></div><div><p>Secondary Side</p></div></div> <div><p>Open ~1 Foot</p></div>
8	<p><b>Primary: Set Full Open</b></p> <p>Manually open the Primary side to its “full” open position.</p> <p>After <u>10 seconds</u> the Primary doors will begin to close automatically...</p>	<p><b>Fully OPEN the Primary door</b></p> <div><div><p>Primary Side</p></div><div><p>Secondary Side</p></div></div> <div><p>Full Open</p></div> <p>Note: Movement of the door to full open does not have to be one continous movement. The installer can pause (less than 10s), then continue the push.</p>



<p>9</p>	<p><b>Primary: Self-Learn Process:</b></p> <p>The door will open and close several times. When the Primary completes, it will stop at FULL Open.</p> <p>Now the Secondary programming begins...</p>	
	<p>If programming a <b>Single motor G3</b> with firmware v0.7.5+...</p> <p>The panels should close to the jam and programming is COMPLETE</p>	
<p><b>Single Motor G3 with v0.7.5 firmware...STOP HERE</b></p>		
<p>10</p>	<p><b>Secondary: Begin Programming</b></p> <p>After the Primary reaches full Open and stops...</p> <p>Press the "Stop" button for 1s (or use the CLI "b s")</p>	<p>Press "Stop" for 1s and the Secondary motor "Clicks"</p>
<p>11</p>	<p><b>Secondary: Set Jam Depth</b></p> <p>After the motor "click"</p> <p>Open the Secondary, Panel 1, 1/4" to 1/2" to set the Jam Depth.</p> <p>Wait for the motor to "click" (~5s).</p>	
<p>12</p>	<p><b>Secondary: Set Motor Polarity</b></p> <p>Manually open the <b>Secondary</b> panel about 1 foot.</p> <p>After about 5 seconds, the door will move about 4 inches then...</p> <p>Wait for the motor to "double click" (~5s)</p>	



13	<p><b>Secondary: Set Full Open</b></p> <p>Manually open the <b>Secondary</b> side to its “full” open position.</p> <p>After 10 seconds the Secondary doors will begin to close automatically...</p>													
14	<p><b>Secondary: Self-Learn Process:</b></p> <p>The <b>Secondary</b> door will open and close several times. When the <b>Secondary</b> completes, both the Primary and Secondary <i>should</i> close.</p> <p><i>When both doors are at full open &amp; stopped, programming is actually complete</i></p>													
15	<p><b>Programming Complete</b></p>													
Tips	<p><b>Verifying Single, Primary &amp; Secondary Configuration using the controller's status LED's</b></p> <table><tr><th>G3 Single Motor OK</th><th>G3 Primary OK</th><th>G3 Primary (Error)</th><th>G3 Secondary OK</th></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>Single configuration is OK</td><td>Primary configuration is OK</td><td>Primary is <b>not connected</b> to the secondary. Check network cable, secondary power, etc.</td><td>Secondary configuration is OK.</td></tr></table> <p><i>Note: Status LED's are only set at <u>power up</u>. Power cycle the controller(s) to update after changing any cabling or configurations.</i></p>		G3 Single Motor OK	G3 Primary OK	G3 Primary (Error)	G3 Secondary OK					Single configuration is OK	Primary configuration is OK	Primary is <b>not connected</b> to the secondary. Check network cable, secondary power, etc.	Secondary configuration is OK.
	G3 Single Motor OK	G3 Primary OK	G3 Primary (Error)	G3 Secondary OK										
Single configuration is OK	Primary configuration is OK	Primary is <b>not connected</b> to the secondary. Check network cable, secondary power, etc.	Secondary configuration is OK.											
<ul style="list-style-type: none"><li>If after programming a Bi-Part system the secondary side only starts moving after the primary, the system's door type is set to 90° (one-way) mode.<ul style="list-style-type: none"><li>Perform Step 4 above. Performing this step does NOT erase the controller's programming.</li></ul></li><li>If the door(s) do not close after the last programming step, chances are the system is programmed.<ul style="list-style-type: none"><li>Press the “Close” button to try and close the door. If that does not work, manually close the doors and reboot the controller(s).</li></ul></li><li>In most cases, failures during programming will cause the controller to abort the programming process so that it can be re-attempted without requiring a reboot.<ul style="list-style-type: none"><li>When a failure occurs, the controller does not reboot and does not reset the user's password. This means that upon a failure the installer can simply return the doors to full closed and start again without re-entering a password or power cycling the controller(s).</li><li>Failures during Primary programming steps will cause the Primary alone to be wiped of its programming. If the secondary was already programmed, its program is NOT wiped.</li><li>Failures during the Secondary programming steps will cause both the <b>Primary &amp; Secondary</b> controllers to be wiped of their programming.</li><li>If the installer initiates programming but fails to move the panel to set the jam depth, the controller will cancel programming and preserve the previous program if previously set.</li></ul></li></ul>														



# G3 Programming

Part Number(s): 28C0016

**G3**

v0.7.0 – 0.7.2



## G3 Single Programming for One-Way & Bi-Part Doors

Initial Wiring

Programming

CLI [Optional]

1	Turn the controller <b>OFF</b> . Connect 10 Pin/Molex cable. Connect the AC power cord.	
2	Use a wireless OR wired wall switch.  Wireless components purchased with G3 controller, will be pre-paired at the factory.	
3	Manually close the door.  Power on the G3 Controller.  Wait for the motor/brake “double click”...	
4	Using a wall switch/remote, press and hold the “Stop” button until after motor “clicks” twice (about 15s). OR if using the CLI use the command “ <b>button autosetup</b> ”	
5	One-way: Open the panel 1/8” – 1/4”. Bi-Part: Open panel 1/4” – 1/2”  (Just enough to clear the Jam)  Wait for the motor to “double click” (~5s).	
6	Manually open the door about 1 foot.  After about 5 seconds, the door will move about 4 inches then...  Wait for the motor to “double click” (~5s)	
7	Manually open the door to its “full” open position.  After <b>10 seconds</b> the doors will begin to close automatically...	
8	<b>Self-Learn Process:</b>  The door will open and close several times. When complete, the door will be closed with the magnetic brake engaged.  Programming is complete.	

800-426-7113

Technical Document Number

Rev. 1.009

2022-08-23

INNOTION

A Caldwell Company



**Opt**

## Command Line Interface (CLI) – [ OPTIONAL ]

The CLI can be used to program special functions, parameters, and settings to adjust door operations. For most installations CLI adjustments are not required. The CLI provides 4 help screens via the commands “help”, “info”, “cyct” and “config all”. These screens list CLI commands/parameters, general info, settings and cycle test results. Refer to the full installation manual for instructions on how to access the CLI using a programming cable or wirelessly via Bluetooth (requires an RS485 module). ✓ For this release, the CLI passwords have changed. Please schedule a free training session or contact technical support for more information about CLI access and passwords.

	P W	Full Command	Shortcut	Description
HELP Commands		“help”	“h”	Displays informational commands such as door position “pos”
		“pwd”	“p password”	View or enter the access password. Most commands require the “installer” password. Contact service support for password information.
		“ver”	“v”	Displays the controller’s firmware version.
	✓	“brake #”, “clutch #”	“brake #” “clutch #”	“brake/clutch 0” disengages the brake/clutch, while “1” engages brake/clutch
	✓	“button OP”	“b o” “b c” “b s” “b u” “b m” “b a”	Command the door to “Open” Command the door to “Close” Command the door to “Stop” Command the door to “Unlock”, “b r” also supported for “Release” Simulate a motion event. Only affective during close. Initiate “autoprogram” from the CLI
	✓	“rst #”	“r” “r 0” “r 1” “r 2” “r 3” “r 4”	Shows the reboot menu on the CLI. Reboot Only Reboot + Resets all Special Features & Options Reboot + Wipes Configuration. Must reprogram the controller Reboot + Clears the friction profile. Must reprogram the controller Reboot + Factory Wipe. Must reprogram.
	✓	“pos”		The help command “pos” shows the doors current position in inches. If a door is set to <b>bipart</b> , this distance will be doubled. Refer to “c drtp”.
	✓	“cyct”	“t” “t n” “t 0”	Show Cycle Test Status / Report Set or change number of cycles to run. Range [0 – 1000000] If running, cancels test showing report. If canceled, disables test.
CONFIG Commands	✓	“config”	“c all” “c CMD” “c CMD reset” “c CMD VAL”	Shows all config values, units, range and defaults. i.e. “c all” Shows the current value for the passed in config CMD. i.e. “c osp” Resets the config CMD to factory default. i.e. “c osp reset” Set the config CMD to passed in VAL. i.e. “c osp 4.5”
	✓	“config drtp OP”	“c drtp OP”	Gets or sets the door type to “ <b>oneway</b> ” or “ <b>bipart</b> ”. i.e. “c drtp bipart”
	✓	“config osp #”	“c osp #”	Gets or sets the Open speed in inches/sec. i.e. “c osp 4.0”
	✓	“config csp #”	“c csp #”	Gets or sets the Close speed in inches/sec. i.e. “c csp 2.5”
	✓	“config fsat”	“c fsat #”	Gets or sets the Span Adjust Time in seconds for Normal, Party Mode, Egress and One Button Operation.
	✓	“config ctf #”	“c ctf #”	Gets or sets the Cycle Test fault / cycle limit. Range [1 – 1000], Default 5
	✓	“config fpce #”	“c fpce #”	Gets or sets friction fault envelope limit in mA. SEE FULL INSTALL GUIDE.
	✓	“config fpthr #”	“c fpthr #”	Gets or sets the friction fault count. SEE FULL INSTALL GUIDE.
	✓	“config fpme #”	“c fpme”	Gets or sets “Entertainment/Party Mode”. 0: Disable, 1: Enable
	✓	“config fpmd #.#”	“c fpmd #.#”	Gets or sets “Entertainment/Party Mode” opening span in inches.
	✓	“config fpmw #”	“c fpmw #”	Gets or sets “Entertainment/Party Mode” wait before close time in seconds.
	✓	“config fpmb #”	“c fpmb #”	Gets or sets “Entertainment/Party Mode” brake enable or delay.
<b>Note:</b> Options for other features such as <b>Egress</b> , <b>One-Button-Operation</b> and <b>Move Assist</b> are documented in the full G3 installation manual on our support site: <a href="https://inmotionsupport.freshdesk.com/support/home">https://inmotionsupport.freshdesk.com/support/home</a>				

# RS485 “GPIO” ADAPTER LED’S



## Bluetooth Status

Flashes every 3 seconds

- Not connected; awaiting connection

Flashes quickly 2 times & repeats

- Bluetooth is **CONNECTED**

LED is Off

- Bluetooth is **DISABLED**

## Command Status (Normally OFF)

Will momentarily flash (**Normal**)

- Wired door commands, i.e. Open/Close/Stop/Release
- Momentary motion detected or IR beam blocked

Will be ON continuously (**ERROR**)

- Wired command button held down or a flat wire short
- Motion detector/IR Beam wired for normally closed
- IR Beam is constantly BLOCKED

## Power Supplies

All 3 MUST be illuminated AND bright

## C485 Port Connection to the G3 Controller

"**FROM CTRL**" Port

Bluetooth access is **ENABLED**

Use when the installer needs to connect via Bluetooth terminal"

"**To ACC**" Port (**ONLY IF HOMEOWNER REQUIRES NO BLUETOOTH**)

- Bluetooth access is **DISABLED**
- Connect here after the controller is fully configured and ready for the homeowner





# RJ45 CONNECTOR APPLICATION

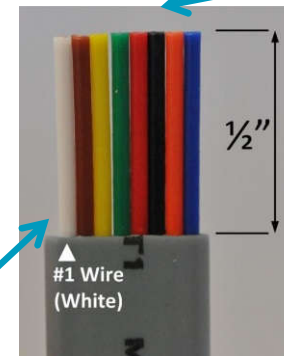
## RJ45 Connections for Wired Accessories to the RS485 Module Only

**Terminated 26-8 Flat Wire should be verified with a data cable tester!**

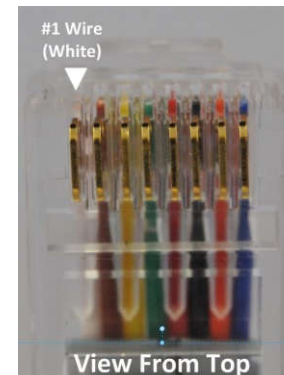
- **Applying RJ45 Connectors** – When applying RJ45 connectors, first make sure that all wires are properly identified. Use a high quality 26-8 data/phone cable stripper (shown Right) to create a clean and even end on the 26-8 flat wire cable.
- Then strip-off about ½" of the outside jacket (only the outside jacket will be stripped). The 8 individual wires should have their relative shields intact.
- While holding the cable, identify the outermost colors of the 8 wires. Choose the left extreme white wire to be the #1 wire.
- Insert the stripped cable into the connector so that the #1 wire lines up with the connector position #1. Make sure to push the cable all of the way into the connector.
- Insert the wire/connector assembly into the correct crimper opening and crimp to form a permanent wire/connector assembly.
- Repeat this process for all wires making sure that the #1 (white) wire/connector position is the same for all wires.



Crimper



26-8 Flat Wire Cable



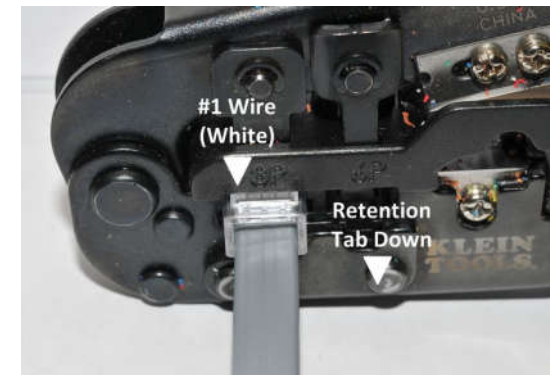
RJ45 with Cable Inserted

### RJ-45 Wire Colors:

- #1 White
- #2 Brown
- #3 Yellow
- #4 Green
- #5 Red
- #6 Black
- #7 Orange
- #8 Blue

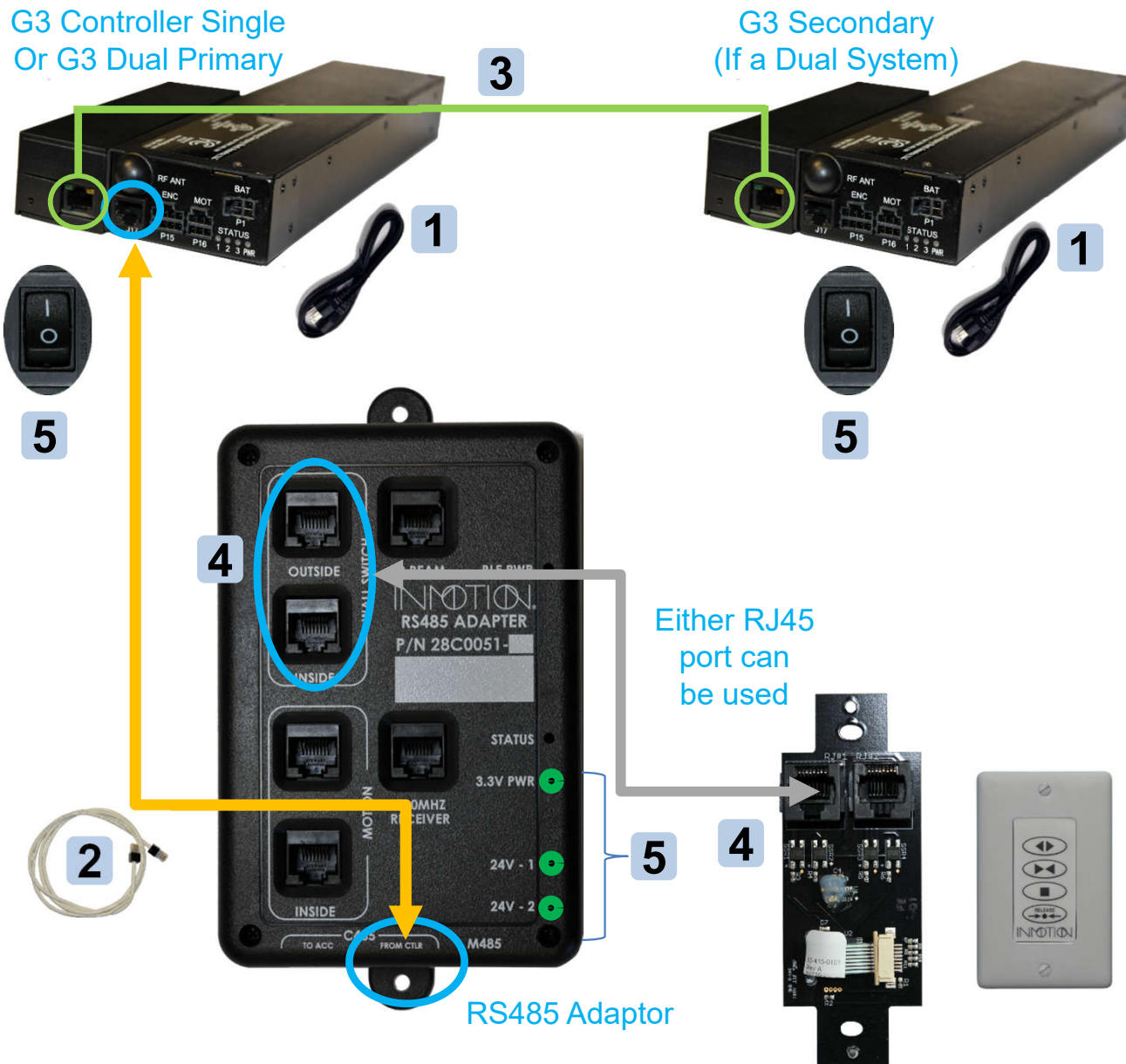


RJ45 Connector for 26-8 Cable Insertion



Crimping RJ45 Connector to Cable

# INITIAL WIRED SYSTEM SETUP



- 1 Connect the AC power cord(s).  
Do not power up the controllers.
- 2 Connect the RS485 “keyed” cable between the controller’s J17 port and the RS485 adaptor’s **“FROM CTRL”** port.
- 3 If this is a “Dual” system, connect the provided CAT 5/6 cable between the Primary & Secondary controllers
- 4 Make a flat 1:1 cable and connect a wired wall switch to the RS485 adaptor’s Wall Switch “INSIDE” or “OUTSIDE” port.
- 5 Power up the controller(s) and verify all 3 LED’s on the RS485 Adaptor are illuminated.

### Wired Wall Switch (front & back)

# INITIAL WIRELESS SYSTEM SETUP

Wireless G3 kits including wireless wall switches are factory paired and **SHOULD NOT** require this procedure!  
Wireless G3D (Dual) systems are factory paired to the Primary Controller

## Wireless Wall Switch Pairing

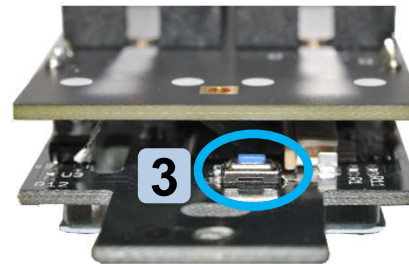


1

Install 2 x CR123A batteries in the wireless wall switch AND power on the controller. Connect the AC power cable and power up the controller

2

Press the “pairing” button on the controller for 1 second

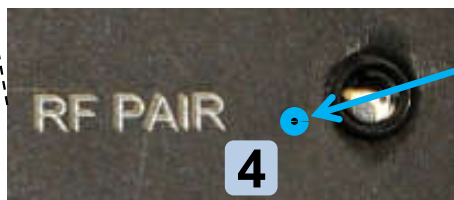
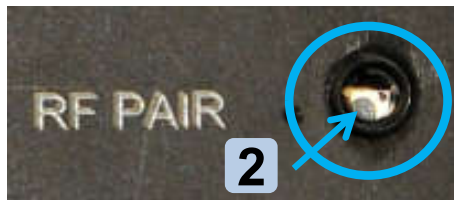


3

Press the “pairing” button the wireless wall switch for 1 second  
[Remote Pairing Instructions \(p33\)](#)

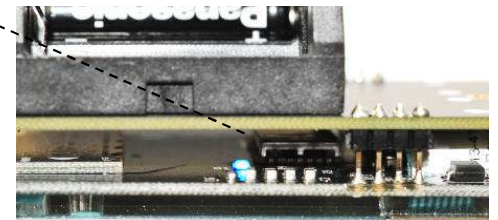
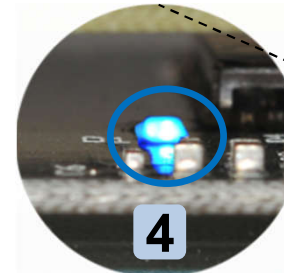
4

The LED's should begin to flash together. When pairing is complete the controller should receive and “Open” command from the wireless wall switch



Wireless G3D components can be paired to either the Primary or the Secondary Controller but **NOT** both at the same time!!!

Blue LED's



- 900 MHz Wireless Receiver (for Wireless Wall Switch/Remote/Motion) – The receiver is built into the G3 controller.



# G3 Special Features

Part Number(s): 28C0016 & 28C0051 (K12 & RS485)

**G3** / RS485  
v0.7.0 - 0.7.5



## Special Features

Firmware v0.7.0 – 0.7.2 Special features are fully supported on this “single” controller release.

Firmware v0.7.5: Special features are fully supported on Single Controller installs.

On “Dual” installations, special features are only supported on the Primary controller.

The G3 controller offers 5 distinct modes of operation. These modes are Normal, Party Mode, Egress, Move Assist and One Button Operation. Each mode, when activated, remains in effect until the user switches to another and will remain in effect after resets and power failures.

### Normal Mode

Normal mode is the factory default and operates by the way of a wall switch or remote. Pressing “Open” on the wall switch will cause the door to open as “Close” will return the door to its closed position. When the door closes, a magnetic brake will keep the door in the jam until it is re-opened, or the brake is released with the “Release” button. While the door is opening or closing the “Stop” button can be used to stop the door in that position.

### Party Mode, aka: “Entertainment Mode”

When “Party Mode” is enabled, an attached motion detector or IR Beam sensor will automatically trigger the door to open approximately 40 inches. The door will then automatically close after 10s. While closing, if motion is detected near the door, the door will stop, pause, and return to 40 inches open position. The 10s auto close timer is restarted. The door does not engage the brake in this mode, but it can be manually activated from the wall switch. The wall switch can also be used to open the door to the same 40in position, where the auto close timer will close the door after 10 seconds.

*\* Party mode requires a wired or wireless motion detector and/or an IR Beam detector.*

### Egress, aka: “Close Behind Mode”

Egress, sometimes called “close behind”, uses the wall switch to open the door to 40 inches and then close the door after 10 seconds. The magnetic brake will not engage on close but can be activated with the “Release” button.

### One Button Operation, aka: “Simplicity Mode”

Sometimes called “Garage Door or ADA mode”, uses the wall switch’s “Stop” button to open, close and stop the door. This feature operates like a garage door remote. When the door is closed, pressing “Stop” starts opening the door. While opening, if the “Stop” button is pressed the door will stop. Another press will cause the door to close again. If the door is allowed to fully open to 40 inches and stop, another press of the “Stop” button will cause the door to close. The magnetic brake does not engage but can be activated from the wall switch.

### Move Assist, aka: “Motion Assist Mode”

From the closed position, if the door is moved approximately ½ inch towards open, the motor will engage and automatically open the door to 40 inches and stop. While open, if the door is pushed towards closed, the motor will engage and close the door to the jam. If the door is stopped using the wall switch, a slight push of the door in either direction will engage the motor to assist the movement in the desired direction.

## Opening Distance Adjustment (Span Adjust)

All 5 modes allow the user to manually adjust how far the door opens when activated. Each mode will remember its “new” open position until it is changed again. In “Normal” mode, the factory default is the full door width, and the other 4 features default to 40 inches open. When adjusted, any of the 5 modes can be changed from as little as 6 inches to the maximum door width.

For 5 seconds, after the door has reached its open position and stopped, the user can manually move the panel to a new position. Each mode can be programmed independently. Span adjust will not work if the door is stopped midspan; it must be programmed within 5 seconds of reaching its programmed open position.

*Tip: If the door is already opened, and 5 seconds has already elapsed, pressing “Open” again will re-enable the adjustment period. Each movement will also reset the timer. The new position will be saved after the door has stopped moving for 5 seconds or more.*

## Additional Options

A qualified installer can program additional options for all 5 modes. These options include enabling/disabling the magnetic brake, delayed brake on close, brake on open, delayed auto close and changes to the span adjust time. See your dealer/installer for more information.

# G3 Special Features

Part Number(s): 28C0016 & 28C0051 (K12 & RS485)

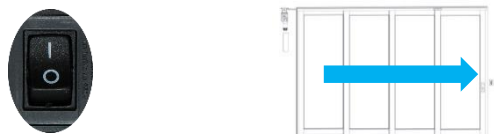
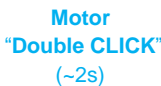



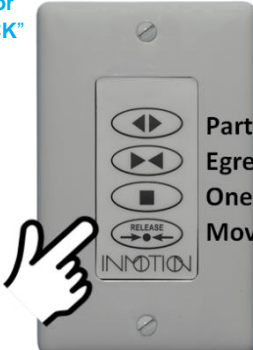
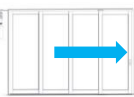



**G3** / RS485  
v0.7.0 - 0.7.5



## Enabling/Disabling Special Features

User Enabled

Installer Required

!	Make sure the door is <b>fully closed</b> , powered on and operational for all of the following steps.																																																																																					
1	Using a wireless/wired wall switch or remote...  Press and hold <b>Open &amp; Close</b> for about 2s or until the motor “ <b>double clicks</b> ”, then release.	 <b>Motor</b> “Double CLICK” (~2s)  																																																																																				
2	Within 10 seconds, press one the 4 buttons to select a feature mode:  <b>Open: Party Mode*</b> <b>Close: Egress</b> <b>Stop: One Button Operation</b> <b>Release: Move Assist</b>  The motor will “double click” again and your selection will be enabled.  <i>* Motion Detector/IR Beam/Signal required</i>	 <b>Party Mode</b> <b>One Button Op</b> <b>Egress</b> <b>Move Assist</b>   <b>Party Mode</b> <b>Egress</b> <b>One Button Op</b> <b>Move Assist</b>  <b>Wait for Motor “Double CLICK” (~2s)</b>																																																																																				
opt	To switch from 1 mode to another repeat the above steps and select a different mode in step 2	 +  + 																																																																																				
opt	To return to Normal mode... Perform step 1 twice.  Press Open + Close until the motor clicks, wait ~1s and repeat.	 <b>Wait for Motor “Double CLICK” (~2s)</b>  <b>Repeat...</b>   <b>Wait for Motor “Double CLICK” (~2s)</b>  <b>Normal Mode</b>																																																																																				
Opt	<b>Dealer/Installer Options:</b> <table><thead><tr><th>Installer Options</th><th>Normal</th><th>Party Mode</th><th>Egress</th><th>One Button Op</th><th>Move Assist</th></tr></thead><tbody><tr><td><b>Auto Close</b></td><td>n/a</td><td>Default ON</td><td>Default ON</td><td>Y Default OFF</td><td>Y Default OFF</td></tr><tr><td>Auto Close Time Limit</td><td>n/a</td><td>1s – 1 day</td><td>1s – 1 day</td><td>1s – 1 day</td><td>1s – 1 day</td></tr><tr><td>Auto Close Disable</td><td>n/a</td><td>Y</td><td>Y</td><td>Y</td><td>Y</td></tr><tr><td><b>Brake on Close</b></td><td>Default</td><td>Y</td><td>Y</td><td>Y</td><td>n/a</td></tr><tr><td>Delayed Brake on Close</td><td>1s – 1 day</td><td>1s – 1 day</td><td>1s – 1 day</td><td>1s – 1 day</td><td>n/a</td></tr><tr><td><b>Brake on Close Disable</b></td><td>Y</td><td>Default</td><td>Default</td><td>Default</td><td>Default</td></tr><tr><td><b>Brake on Open</b></td><td>Y</td><td>Y</td><td>Y</td><td>Y</td><td>n/a</td></tr><tr><td><b>Span Adjust on Open</b></td><td colspan="4">1 – 98 seconds. Default 5s. (Shared Setting)</td><td>1 – 98s</td></tr><tr><td>Infinite Span Adjust Time</td><td colspan="4">Y (Shared Setting) Infinite = 99</td><td>n/a</td></tr><tr><td>Span Adjust Disable</td><td colspan="4">Y (Shared Setting) Disable = 0</td><td>Y</td></tr><tr><td>Span Adjust Range(in)</td><td>6in – 100ft</td><td>6in – 100ft</td><td>6in – 100ft</td><td>6in – 100ft</td><td>6in – 100ft</td></tr><tr><td><b>Global Brake Disable*</b></td><td>Y</td><td>Y</td><td>Y</td><td>Y</td><td>Y</td></tr><tr><td colspan="6"><i>*wall switch brake disable</i></td></tr></tbody></table>		Installer Options	Normal	Party Mode	Egress	One Button Op	Move Assist	<b>Auto Close</b>	n/a	Default ON	Default ON	Y Default OFF	Y Default OFF	Auto Close Time Limit	n/a	1s – 1 day	1s – 1 day	1s – 1 day	1s – 1 day	Auto Close Disable	n/a	Y	Y	Y	Y	<b>Brake on Close</b>	Default	Y	Y	Y	n/a	Delayed Brake on Close	1s – 1 day	1s – 1 day	1s – 1 day	1s – 1 day	n/a	<b>Brake on Close Disable</b>	Y	Default	Default	Default	Default	<b>Brake on Open</b>	Y	Y	Y	Y	n/a	<b>Span Adjust on Open</b>	1 – 98 seconds. Default 5s. (Shared Setting)				1 – 98s	Infinite Span Adjust Time	Y (Shared Setting) Infinite = 99				n/a	Span Adjust Disable	Y (Shared Setting) Disable = 0				Y	Span Adjust Range(in)	6in – 100ft	6in – 100ft	6in – 100ft	6in – 100ft	6in – 100ft	<b>Global Brake Disable*</b>	Y	Y	Y	Y	Y	<i>*wall switch brake disable</i>					
Installer Options	Normal	Party Mode	Egress	One Button Op	Move Assist																																																																																	
<b>Auto Close</b>	n/a	Default ON	Default ON	Y Default OFF	Y Default OFF																																																																																	
Auto Close Time Limit	n/a	1s – 1 day	1s – 1 day	1s – 1 day	1s – 1 day																																																																																	
Auto Close Disable	n/a	Y	Y	Y	Y																																																																																	
<b>Brake on Close</b>	Default	Y	Y	Y	n/a																																																																																	
Delayed Brake on Close	1s – 1 day	1s – 1 day	1s – 1 day	1s – 1 day	n/a																																																																																	
<b>Brake on Close Disable</b>	Y	Default	Default	Default	Default																																																																																	
<b>Brake on Open</b>	Y	Y	Y	Y	n/a																																																																																	
<b>Span Adjust on Open</b>	1 – 98 seconds. Default 5s. (Shared Setting)				1 – 98s																																																																																	
Infinite Span Adjust Time	Y (Shared Setting) Infinite = 99				n/a																																																																																	
Span Adjust Disable	Y (Shared Setting) Disable = 0				Y																																																																																	
Span Adjust Range(in)	6in – 100ft	6in – 100ft	6in – 100ft	6in – 100ft	6in – 100ft																																																																																	
<b>Global Brake Disable*</b>	Y	Y	Y	Y	Y																																																																																	
<i>*wall switch brake disable</i>																																																																																						