Open a new experience

RF Operation

Manual

Transmitter series 6045

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1. RF Controls

1.1 Products

Qurails G-Motion motor units offer a wide range of features for optimal use in many situations. Feature settings can be changed and stored by means of the buttons on the motor unit itself or other controllers, e.g. the RF transmitter.

Hand transmitters
1, 8 or 16 channels


6045-WST-H01


6045-WST-H05


6045-WST-H08


6045-WST-H16

Wall transmitters
1, 2 or 5 channels


6045-WST-W01


6045-WST-W02


6045-WST-W05

Timer
4 channels


6045-WST-T04

1.2 Button layout

The RF transmitter series 6045 can be used for operating and programming G-Motion motor units. The STOP and OPEN/CLOSE buttons are mainly used

Button timings:
- "Shortly press the button(s)" = keep pressed less than 1 second
- "Press and hold the button(s)" = keep pressed for more than 1 second.

Example of the 8 channel handheld RF transmitter:

■ STOP

During curtain control:
stop curtains at current position
During programming:
choose a menu or confirm a selection

▴▾ OPEN / CLOSE

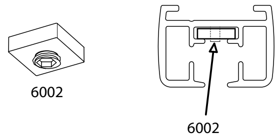
During curtain control
send an open or close signal on selected channel
During programming
Cycle through menu options

2. First use: auto-calibration

2.1 Auto calibration and RF channels

G-Motion motor units wil auto calibrate for end positions on first use. Auto-calibration can be started with the buttons at the bottom of the motor. Or with the RFremote control, but then first an RF-channel has to be programmed in the motor. After auto calibration, the system is ready for use and responds to the set RF channel. Auto calibration available on motor types GM-4xx and GM-6xx (NOT on GM-1xx)

1. Place the motor unit onto the curtain rail system (see G-Motion manual).
2. Place the curtains if possible and then adjust internal endstop(s) if necessary for improved curtain pleating. (art. 6002, Allen key 2). These stops are pre-secured and limit the running distance of the pilot carrier. During the auto calibration cycle below, electronically defined 'soft stops' will be set with the 6002 stops as reference.



3. Connect an active power source (type depends on motor unit type).
4. To set up a first RF channel and preform auto-calibration: start at step 1, for autocalibration only with already set RF channels: start at step 2.

STEP 1: Set up first RF channel

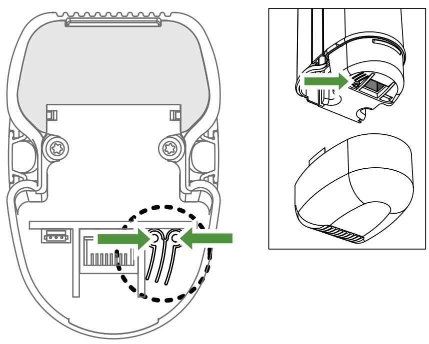
motor LED colour yellow:

Adding RF channels when no RF channel has been programmed yet.
(This method can also be used to add additional channels later on)

Note: After 15s. without input, the motor unit quits programming mode. Please first read each step for this feature,

1. Press and hold the **OPEN+CLOSE** motor buttons, until the LED on the motor unit turns white (~4s.).
2. Repeatedly press **OPEN or CLOSE** motor buttons until the LED is yellow.
3. Shortly press both **OPEN+CLOSE** motor buttons to enter the feature menu
4. The LED on the motor unit now flashes yellow.

5A. Activate a channel To activate a RF channel, shortly press the **OPEN** button of the desired channel on the RF transmitter. The LED on the motor unit responds with a short continued green signal and then starts flashing again. If desired, add more channels one by one to this motor unit, via **OPEN** buttons of corresponding RF channels (max. 16 channels).



5B. De-activate a channel To de-activate a RF channel, shortly press the CLOSE button of that channel on the RF transmitter. The LED on the motor unit responds with a short continued red signal and then starts flashing again. If desired, de-activate more channels one by one to this motor unit, via CLOSE buttons of corresponding RF channels. 5A and 5B can be used in random order
6. Confirm and save the setting by briefly pressing STOP of a channel (just) programmed.
7. The LED on the motor unit is white again for 15 seconds.
8. Wait for 15 seconds or shortly press STOP of a channel (just) programmed to quit programming. The LED on the motor unit switches off, proceed to step 2 to start auto-calibration.

STEP 2: Auto-calibration

1. Briefly press one of the motor buttons or those on the RF transmitter.
2. The LED on the motor unit now flashes red.
3. The system will run until it is stopped by the internal end stop.
4. The system will move ~1cm in opposite direction and then waits for 5 seconds: within 5 seconds start fine tuning this end position if necessary, by using the motor buttons or OPEN or CLOSE on the RF transmitter.
5. After 5 seconds without signal, the calibration cycle continues. The system now runs in opposite direction until it is stopped by the internal end stop.
6. The system will move ~5cms and then waits for 5 seconds: within 5 seconds start fine tuning this end position if necessary, using the motor buttons or OPEN or CLOSE on the RF transmitter.
7. After 5 seconds without signal, the system will move 20cm in Open direction.This completes calibration and the red LED on the motor unit switches off. CPS mode is
8. switched on automatically. The system is now ready for use..

Auto-calibration can be interrupted by pressing one of the buttons.

3. Programming

3.1 Programming G-Motion motor units

Qurails G-Motion motor units offer a wide range of features for optimal use in many situations. Feature settings can be changed and stored using the buttons on the motor unit itself or the RF transmitter. Programming is done with aid of visual feedback from the multicolor LED in the motor unit. Each programming feature is represented by 1 colour, for example the feature 'setting end positions', shows a red LED.
Feedback also consists of blinking patterns to identify the selected feature setting.

See § 3.2 on p. 10 for an overview of the 3 mainmenus and all available features. In the event of a power cut, the RF channels will remain stored in the motor unit.

3.2 Overview Programming Menu's

		LED mode	LED Colour	
	Menu 1		**White**	
1.1	End positions	continuously on	Red	
1.2	Set infrared Channels (IR)		Green	
1.3 *)	RF		Yellow	
	(reserved)			

		LED mode	LED Colour	
	Menu 2		**White**	
2.1	Speed	blinks slowly	Red	
2.2	IntermediatePos.		Green	
2.3	Light sensor			
2.3.1	Sun sensor		Yellow	
2.3.2	Dawn/Dusk sensor		Blue	
2.3.3	Sensor mode		Purple	
2.4	CPS			
2.4.1	Touch and Go		Orange	
2.4.2	Touch and Stop		Light blue	

		LED mode	LED Kleur	
	Menu 3		**White**	
3.1	Control mode	blinks fast	Red	
3.2	CW/CCW inverted input		Green	
3.3	Timer		Yellow	
	(reserved)			
3.7	Factory settings		Light blue	

*) Option only visible in motor units equipped with RF functionality

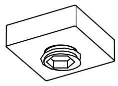
3.3 Programming options

MENU 1

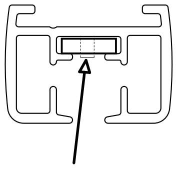
1.1 Set end positions

motor LED colour red:

Note: After 15s. without input, the motor unit quits programming mode. Please first read each step for this feature.



6002



6002

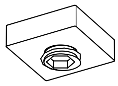
1. Place the curtains if possible and then adjust internal endstop(s) if necessary for improved curtain pleating. (art. 6002, Allen key 2mm). These stops are pre-secured and limit the running distance of the pilot carrier. During the auto-calibration cycle below, electronically defined 'soft stops' will be set with the 6002 stops as reference.
2. Repeatedly press the ▲ button until the LED on the motor unit is red
3. Shortly press the ■ to enter the feature menu, the LED on the motor unit now flashes red.
4. The system will run until it is stopped by the internal end stop.
5. The system will move ~1cm in opposite direction and then waits for 5 seconds: within 5 seconds start fine tuning this end position if necessary, using the **OPEN or CLOSE** buttons.
6. After 5 seconds without signal, the calibration cycle continues. The system now runs in opposite direction until it is stopped by the internal end stop.
7. The system will move ~5cms and then waits for 5 seconds: within 5 seconds start fine tuning this end position if necessary, using the **OPEN or CLOSE** buttons.
8. After 5 seconds without signal, the system will move 20cm in Open direction.This completes calibration and the red LED on the motor unit switches off. CPS mode is switched on automatically. The system is now ready for use.

1.2 Set RF channels

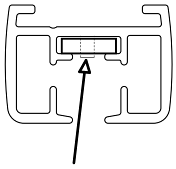
Add or delete RF channels when an RF channel is already set. (up to a maximum of 16 channels)

motor LED colour red:

Note: After 15s. without input, the motor unit quits programming mode.
Please first read each step for this feature.



6002



6002

1. Repeatedly press the ▲ button until the LED on the motor unit is yellow.
2. Shortly press the ■ button to enter the feature menu.
3. The LED on the motor unit now flashes yellow.

4.A <u>Activate channel</u> To activate a RF channel, shortly press the **OPEN** button of the desired channel on the RF transmitter. The LED on the motor unit responds with a short continued green signal and then starts flashing again. If desired, add more channels one by one to this motor unit, via **OPEN** buttons of corresponding RF channels.

4.B <u>De-activate a channel</u> To de-activate a RF channel, shortly press the **CLOSE** button of that channel on the RF transmitter. The LED on the motor unit responds with a short continued red signal and then starts flashing again. If desired, de-activate more channels one by one to this motor unit, via **CLOSE** buttons of corresponding RF channels.

5a and 5B can be used in random order

4. Confirm and save the setting by briefly pressing **STOP** of a channel (just) programmed.
5. The LED on the motor unit is white again for 15 seconds. Wait for 15 seconds or shortly press **STOP** of a channel (just) programmed to quit programming. The LED on the motor unit switches off, the system is ready to use.

*To exit programming mode at any time press the **STOP** button briefly (several times) or wait 15s. Changes made at point 5, are only saved by button or **STOP** button.*

MENU 2

2.1 Opening and closing speed

motor LED color red:

Option to select 1 of 4 speed settings. The default setting is "Normal".

Note: After 15 seconds . without input, the motor will exit programming mode.
Read the steps below carefully.

1. Press the ▲ button repeatedly until the LED on the motor unit turns red.
2. Press the ■ button briefly to select this menu
3. The LED on the motor unit will now flash red, indicating the current setting:
4. Press the ▲ button repeatedly to scroll through the options below:
5. Confirm and save the setting by briefly pressing the ■ button.
6. The LED on the motor unit will flash white slowly for 15 seconds: you can now use the ▲ button to select another feature from MENU 2, or the ■ button to select another MENU.
7. If not, wait for 15 seconds or briefly press the **STOP button**of a programmed channel to exit the programming mode.
8. The LED on the motor unit goes out and the system is ready for use.
9. To exit the programming mode at any time, press the **STOP** button briefly (several times) or wait 15 seconds. Changes made in step 5 are only saved by pressing the **STOP button**.

2.2 Intermediate positions

motor LED color green:

Define up to 5 intermediate positions for the curtain between the end positions.
The default setting is 'none'.
Intermediate positions can be quickly called up by pressing **OPEN** or **CLOSE**for longer than 1 second. The system moves in the selected direction until the next intermediate position. The distance to the next position must be at least 30 cm from the current position.

Note: After 15 seconds . without input, the motor will exit programming mode.
Read the steps below carefully.

SETTING / DELETING intermediate positions

1. Use **OPEN** or **CLOSE** to move the curtain to the desired position to set an intermediate position or delete an existing one.
2. Press and hold **OPEN + CLOSE** until the LED on the motor unit flashes white slowly (after ~8s) (The LED will first flash white continuously; keep the buttons pressed)
3. Press **OPEN** or **CLOSE** repeatedly until the LED on the motor unit is green.
4. Press **OPEN + CLOSE** briefly at the same time to select the menu.
5. The LED on the motor unit will now flash green, indicating the current setting 1 (1x flash):
6. Scroll through the options below using open or close:
   - 1x flash= intermediate position 1 (Standard)
   - 2 flash = intermediate position 2
   - 3x flash = intermediate position 3
   - 4x flash = intermediate position 4
   - 5x flash = intermediate position 5
7. Confirm and save the setting by briefly pressing **OPEN + CLOSE** . The position is saved as new OR as a replacement for an existing one.
8. The LED on the motor unit flashes white slowly for 15 seconds: with **OPEN** or **CLOSE** , another feature can be selected from MENU 2.
9. If not, wait for 15 seconds or briefly press **OPEN + CLOSE** to exit the programming mode.

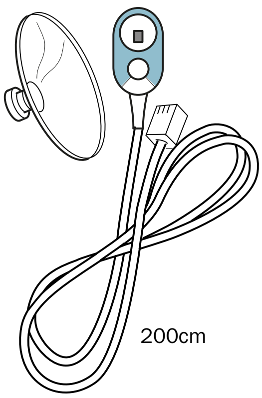
The LED on the motor unit goes out and the system is ready for use.

To save another intermediate position, repeat § 2.2 in its entirety.
To exit the programming mode at any time, briefly press **OPEN + CLOSE** or wait 15 seconds. Changes made in step 6 are only saved by pressing open AND close.

2.3 Light sensor

The advanced Qurails light sensor offers:

1) **Sunlight** control (§ 2.3.1)
2) **Twilight** control (§ 2.3.2)
3) 8 different settings for **behavior** (§ 2.3.3)



Default setting for the light thresholds for Sunlight and Twilight is "Standard"

see § 2.3.1 and § 2.3.2

The default setting for behavior is "Close at Twilight." .

see § 2.3.3.

2.3.1 Sunlight setting

motor LED color yellow:

To use the sunlight sensor, set the light threshold below and then the behavior (§2.3.3)

Connect the Qurails light sensor to the bottom of the motor unit.
Make sure the sensor is properly oriented relative to the light source.

If the light intensity exceeds the set threshold for longer than 15 minutes . , the sensor generates a close signal.
If the light intensity remains below the set threshold for longer than 15 minutes . remains below the set threshold, the sensor generates an open signal.
The behavior for these signals is selected in §2.3.3.

If a sunlight signal is overridden by another control signal (manual control, time-controlled, remote control), the sensor signal is ignored for 4 hours.
The sensor signal becomes effective again after these 4 hours or after a power failure.
Note: Twilight signals remain unchanged when a sunlight signal is overridden.
After 15 seconds . without input, the motor exits programming mode.
Read the steps below carefully first.

SETTING the light threshold (sunlight)

1. Press and hold **OPEN + CLOSE** until the LED on the motor unit flashes white slowly (after ~8s) (The LED will first flash white continuously; keep the buttons pressed)
2. Press OPEN or CLOSE repeatedly until the LED on the motor unit is yellow.
3. Press **OPEN + CLOSE** briefly at the same time to select this menu.
4. The LED on the motor unit will now flash yellow at the current setting.
5. Scroll through the options below using open or close:
   - 1x flash = standard light threshold
   - 2 flash = light threshold "low" (closes even when the sun is less bright)
   - 3x flash = light threshold "high" (brighter sunlight required for closing)
   - 4x flash = current sun intensity
6. Confirm and save the setting by briefly pressing open AND close.
7. The LED on the motor unit flashes white slowly for 15 seconds: with open or close, another feature can be selected from MENU 2.
8. If not, wait for 15 seconds or briefly press **OPEN + CLOSE** to exit the programming mode.

The LED on the motor unit goes out and the system is ready for use.

To exit the programming mode at any time, briefly press **OPEN + CLOSE** or wait 15 seconds.
Changes made in step 5 are only saved by pressing **OPEN + CLOSE** .

2.3.2 Twilight setting motor LED color blue:

To use the sensor for twilight, set the light threshold below and then the behavior (§2.3.3)

Connect the Qurails light sensor to the bottom of the motor unit.
Make sure the sensor is properly oriented relative to the light source.

Morning twilight: If the twilight light exceeds the set light threshold for longer than 15 minutes . , the sensor generates an open signal
Evening twilight: If the twilight remains below the set light threshold for longer than 15 minutes . remains below the set light threshold, the sensor generates a close signal.
The behavior for these signals is selected in §2.3.3.

If a twilight signal is overridden by another control signal (manual control, time-controlled, remote control), the sensor signal is ignored for 4 hours. The sensor signal is effective again after 4 hours or after a power failure.
Note: After 15 seconds . without input, the motor exits programming mode.
Read the steps below carefully first.

SETTING Light threshold (twilight)
1. Press and hold **OPEN + CLOSE** until the LED on the motor unit flashes white slowly (after ~8s) (The LED will first flash white continuously; keep the buttons pressed)
2. Press **OPEN OR CLOSE** repeatedly until the LED on the motor unit is blue.
3. Press **OPEN + CLOSE** briefly at the same time to select this menu.
4. The LED on the motor unit now flashes blue at the current setting.
5. Scroll through the options below using open or close:
   1x flash = standard light threshold
   2 flash = light threshold "darker" (opens earlier, closes later)
   3x flash = light threshold "lighter" (opens later, closes earlier)
   4x flash = current light intensity (measured at the time of setting)
6. Confirm and save the setting by briefly pressing **OPEN + CLOSE** .
7. The LED on the motor unit will flash white slowly for 15 seconds: with **OPEN OR CLOSE** , another feature can be selected from MENU 2.
8. If not, wait for 15 seconds or briefly press **OPEN + CLOSE** to exit the programming mode.

The LED on the motor unit goes out and the system is ready for use.

To exit the programming mode at any time, briefly press **OPEN + CLOSE** or wait 15 seconds.
Changes made in step 5 are only saved by pressing **OPEN + CLOSE** .

2.3.3 Light sensor behavior

motor LED kleur paars:

To use the light sensor, select the desired behavior for sunlight signals and twilight signals.
There are 8 presets:

Note: After 15 seconds . without input, the motor exits programming mode.
Read the steps below carefully first.

SET Light sensor behavior

1. Press and hold open+close until the LED on the motor unit flashes white slowly (after ~8s) (The LED will first flash white continuously; keep the buttons pressed)
2. Press **OPEN** or **CLOSE** repeatedly until the LED on the motor unit is purple.
3. Press **OPEN + CLOSE** briefly at the same time to select this menu.
4. The LED on the motor unit will now flash purple at the current setting:
5. Scroll through the options below using open or close:

LED	Twilight		Sun	
	OPEN	CLOSE	OPEN	CLOSE
1x flash *)	Off	On	Off	Off
2 flash	On	On	On	On
3x flash	Off	Off	On	On
4x flash	On	On	Off	Off
5x flash	Off	On	On	On
6x flash	On	On	Off	On
7x flash	Off	Off	Off	On
8x flash	Off	Off	Off	Off

*) Default setting

6. Confirm and save the setting by briefly pressing **OPEN + CLOSE** .
7. The LED on the motor unit flashes white slowly for 15 seconds: with open or close, another feature can be selected from MENU 2.
8. If not, wait for 15 seconds or briefly press **OPEN + CLOSE TO** exit programming mode.

The LED on the motor unit goes out and the system is ready for use.

To exit programming mode at any time, briefly press open AND close or wait 15 seconds.
Changes made in step 5 are only saved by pressing open AND close.

2.4 CPS: Curtain Protection System

CPS is an intelligent system that enables manual operation of an electric curtain rail system in three ways.
Touch and go: (only motor types GM4 and GM6) When a curtain that is at a standstill is pulled, CPS detects the movement and ensures that the curtain continues to move automatically in that direction.
Touch and Stop: If a curtain is already moving, the movement can be stopped by holding it manually.
Manual override: (only motor type GM4) CPS also ensures that electrically operated curtains can be moved manually during a power failure. If the power returns and the curtain has been moved during the power failure, the system will perform a calibration after the first operation.
Touch and Go or Touch and Stop can be set separately via § 2.4.1 and § 2.4.2.

Note: CPS behavior depends on curtain weight, system type, and the selected threshold values.
CPS is intended as a manual control for occasional use, for example when the user is not yet familiar with the electrical system. CPS is not suitable as a normal mode of operation.
Disclaimer: although CPS reduces the risk of damage, CPS never completely prevent damage to rails or curtains. CPS is not recommended for sloping systems.

2.4.1 Touch and Go

motor LED color orange:

> available on motor types GM4 and GM6.

The Touch and Go sensitivity is adjustable. For example, at high sensitivity, the motor will pick up the signal sooner than at medium sensitivity. At lower sensitivity settings, a larger manual movement is required before the motor takes over the movement.
Touch and Go can also be disabled.

Note: After 15 seconds . without input, the motor exits programming mode.
Read the steps below carefully first.

1. Press and hold **OPEN+CLOSEuntil the LED on the motor unit flashes white slowly (after ~8s)** (The LED will first flash white continuously; keep the buttons pressed)
2. Press **OPEN** or **CLOSE** repeatedly until the LED on the motor unit is orange.
3. Press **OPEN+CLOSEbriefly at the same time to select this menu.**
4. The LED on the motor unit now flashes orange at the current setting:
5. Scroll through the options below using open or close:
   1x flash = medium sensitivity (Standard)
   2 flash = lower sensitivity
   3x flash = higher sensitivity
   4x flash = Off

6. Confirm and save the setting by briefly pressing **OPEN+CLOSE.**
7. The LED on the motor unit flashes white slowly for 15 seconds: with open or close, another feature can be selected from MENU 2.
8. If not, wait 15 seconds or briefly press **OPEN+CLOSEto exit programming mode.**

The LED on the motor unit goes out and the system is ready for use.

To exit the programming mode at any time, briefly press **OPEN+CLOSEor** wait 15 seconds. Changes made in step 5 are only saved by pressing pressing open AND close.

2.4.2 Touch and Stop motor LED color light blue:

> available on motor types GM4, GM6, and GM1.

The Touch and Stop function ensures that the system can be easily stopped by hand if you are unfamiliar with electrical systems.
In addition, Touch and Stop is a perfect aid to prevent the system from damaging itself or the curtain due to unexpected obstacles in the way (e.g., furniture or open windows and doors).
Touch and Stop has 4 settings: off, medium, low, and high sensitivity.
The Touch and Stop function is disabled by default.

When the Touch and Stop function is enabled, it is very important that the curtains are attached to the system and the end positions are set.

Note: After 15 seconds . without input, the motor exits programming mode.
Read the steps below carefully first.

1. Press and hold **OPEN+CLOSE** until the LED on the motor unit flashes white slowly (after ~8 seconds). : First, the LED will light up continuously in white; keep the buttons pressed)
2. Press open or close repeatedly until the LED on the motor unit is light blue.
3. Press open AND close briefly at the same time to select this menu.
4. The LED on the motor unit will now flash light blue at the current setting.
5. Scroll through the options below using open or close:
   1 flash = off (default)
   2 flashes = medium sensitivity
   3 flashes = lower sensitivity
   4 flashes = higher sensitivity

6. Confirm and save the setting by briefly pressing open AND close.
7. The LED on the motor unit flashes white slowly for 15 seconds: with open or close, another feature can be selected from MENU 2.
8. If not, wait for 15 seconds or briefly press the open and close buttons to exit the programming mode.

The LED on the motor unit goes out, the system is ready for use.

To exit programming mode at any time, briefly press open AND close or wait 15 seconds. Changes made in step 5 are only saved by pressing open AND close.

After switching on, Touch and Stop will calibrate itself. Calibration starts when the system is first operated from an open or closed position. During calibration, the LED on the motor unit flashes green slowly. Touch and Stop are calibrated when the system has opened once without interruption and closed once without interruption.
If calibration is interrupted, the green LED goes out. Each time the system is operated from an open or closed position, calibration will restart until it is complete.
Touch and Stop will recalibrate each time after resetting the end positions, changes in speed settings, or after reactivating (after deactivating) this option.

Sometimes Touch and Stop does not work as expected: in this case, set a lower sensitivity. Touch and Stop auto-calibrates at regular intervals, but in some cases it is recommended to turn this function off and on again so that calibration takes place immediately afterwards. If unexpected stopping continues to occur, it is recommended to disable this function.

MENU 3

M3.1 Control mode

There are 3 different ways in which the motor responds to an **OPEN** or **CLOSE** command when using 1- or 2-button controls connected to the motor, such as a switch, relay, or infrared.

The set control mode does not affect the operation of RF transmitters.
OPERATION OF SWITCH, RELAY, OR INFRARED ACCORDING TO SETTINGS:

Mode 1: Standard 2-button operation (default setting)

press button < 1s: system moves to end position
press button > 1s: system moves during the signal or while the button is held down button

Mode 2: Reverse 2-button operation ('vertical blinds' setting)

press button < 3s: system moves during the signal or while the button is held down button
press button > 3 seconds: system moves to end position
Note: Calling intermediate positions or programming end positions for the first time is not possible when mode 2 is active.

Mode 3: 1-button operation

press button < 1s. : system closes, opens, or stops

1. If the system is at one of its end positions:
   - > move to the opposite end position.
2. If the system is moving:
   - > STOP
3. After stopping, press the button again within 2 seconds:
   system moves in the opposite direction
4. After stopping, press the button again after 2 seconds
   - > system continues in the same direction

Note: calling intermediate positions is not possible if this menu setting is inactive.
After 15 seconds . without input, the motor exits programming mode.
Read the steps below carefully first.

RF OPERATION:

OPEN or **CLOSE** press button < 1s: system moves to end position
OPEN or **CLOSE** press button for > 1 second: system moves to the next intermediate position (if set).
Press the STOP press the button for < 1 second: system stops
STOP press button > 1s: system enters programming mode

SET operating mode motor LED color red:

1. Hold **OPEN+CLOSE** until the LED on the motor unit flashes white rapidly (after ~12s. : First, the LED lights up continuously in white, then flashes slowly. Keep the buttons pressed until the LED flashes rapidly in white.)
2. Press **OPEN OR CLOSE** repeatedly until the LED on the motor unit is red.
3. Press **OPEN+CLOSE** briefly at the same time to select this menu.
4. The LED on the motor unit will now flash red at the current setting.
5. Scroll through the options below using open or close:
   1x flash= Standard 2-button operation (Default)
   2 flash = Reverse 2-button control
   3x flash = 1-button operation
6. **CONFIRM AND SAVE THE SETTING BY BRIEFLY PRESSING OPEN+CLOSE** .
7. The LED on the motor unit flashes white rapidly for 15 seconds: with open or close, another feature can be selected from MENU 3.
8. If not, wait for 15 seconds or briefly press **OPEN+CLOSE** to exit the programming mode.

The LED on the motor unit goes out and the system is ready for use.

To exit the programming mode at any time, briefly press **OPEN+CLOSE** or wait 15 seconds. Changes made in step 5 are only saved by pressing **OPEN+CLOSE** .

3.2 Reverse input

Reverse the direction of rotation of the motor unit: open becomes CLOSE and vice versa.

After 15 seconds . without input, the motor exits programming mode.
Read the steps below carefully first.

SETTING Reverse input motor LED color green:

1. Hold **OPEN+CLOSE** until the LED on the motor unit flashes white rapidly (after ~12s. : First, the LED lights up continuously in white, then flashes slowly. Keep the buttons pressed until the LED flashes rapidly in white.)
2. Press **OPEN OR CLOSE** repeatedly until the LED on the motor unit is green.
3. Press **OPEN+CLOSE** briefly at the same time to select this menu.
4. The LED on the motor unit will now flash green at the current setting.
5. Scroll through the options below using open or close:
   1x flash= Normal input (Default)
   2 flash = Reverse input
6. Confirm and save the setting by briefly pressing **OPEN+CLOSE** .
7. The LED on the motor unit flashes white rapidly for 15 seconds: with **OPEN+CLOSE** you can select another feature from MENU 3.
8. If not, wait for 15 seconds or briefly press **OPEN+CLOSE** to exit the programming mode

The LED on the motor unit goes out and the system is ready for use.

To exit the programming mode at any time, briefly press **OPEN + CLOSE** or wait 15 seconds.
Changes made in step 5 are only saved by pressing **OPEN + CLOSE** .

3.3 Timer

motor LED color yellow:

The built-in timer offers a 24-hour function and a showroom function.
With the 24-hour function, a usage pattern can be stored that repeats itself and automatically operates the system every 24 hours.
The Showroom function (option 5 in the menu) is a demo setting for showrooms, trade fairs, and shop windows.
With the Showroom setting active, the system moves from end position to end position at 15-second intervals to attract attention. The LED displays a color palette.

24-hour timer
The built-in 24-hour timer is a self-learning timer that can store up to 4 positions, which are then repeated every 24 hours.

1. 24-hour timer: Clear
Reset the 24-hour timer with option 1 in the menu. This clears saved positions and turns off the timer. The LED on the motor unit is off.

2. 24-hour timer: On
After the learning mode, the timer is automatically 'ON' and stored positions are repeated every 24 hours. When the 24-hour timer is 'ON', the LED on the motor flashes every 20 seconds. a short yellow signal.
The 24-hour timer can only be 'ON' if positions have been recorded.

3. 24-hour timer: Pause
The 24-hour timer can be paused without losing the recorded positions.
When the 24-hour timer is paused, the LED on the motor unit displays a short yellow signal every 20 seconds. 2x a short yellow signal.
When the timer is selected 'ON' again, it restarts with the positions at the time of day when it was originally recorded.

4. 24-hour timer: Learning mode
By activating the learning mode (option 4 in the menu), the timer records 4 positions over a period of 24 hours. During the learning mode, the LED on the motor unit flashes yellow slowly.
Note: Activating the learning mode will delete any previously recorded positions.

After 15 seconds . without input, the motor exits programming mode.
Read the steps below carefully first.
In the event of a power failure, the timer is reset unless the motor is equipped with a battery pack.

SETTING 24-hour timer

1. Press and hold **OPEN + CLOSE** until the LED on the motor unit flashes white rapidly (after ~12s. : First, the LED lights up continuously in white, then flashes slowly. Keep the buttons pressed until the LED flashes rapidly in white.)
2. Press **OPEN or CLOSE** repeatedly until the LED on the motor unit is yellow.
3. Press **OPEN + CLOSE** briefly at the same time to select this menu.
4. The LED on the motor unit will now flash yellow at the current setting.
5. Scroll through the options below using open or close:
   - 1x flash = Off / Reset all recorded events (Default)
   - 2 flash = 24-hour timer ON
   - 3x flash = Pause all recorded events
   - 4x flash = Learning mode
   - 5x flash = Showroom Timer ON
6. Confirm and save the setting by briefly pressing **OPEN + CLOSE** .
7. The LED on the motor unit flashes white rapidly for 15 seconds: with open or close, another feature can be selected from MENU 3.
8. If not, wait for 15 seconds or briefly press **OPEN + CLOSE** to exit the programming mode.

The LED on the motor unit goes out and the system is ready for use.

To exit the programming mode at any time, briefly press **OPEN + CLOSE or** wait 15 seconds. Changes made in step 5 are only saved by pressing **OPEN + CLOSE** .

M3.4 - M3.6 (Reserved)

3.7 Factory settings

Reset to factory settings, reset all settings to 'Default' (option 1 in each menu). This will delete all customized settings. If settings are made after selecting this function, the motor unit will behave as a new motor unit.

After 15 seconds . without input, the motor exits programming mode.
Read the steps below carefully first.

BACK to factory settings motor LED color light blue:

1. Press and hold **OPEN+CLOSE** until the LED on the motor unit flashes white rapidly, after ~12 seconds. (First, the LED will light up continuously in white, then flash slowly. Keep the buttons pressed until the LED flashes rapidly in white.)
2. Press **OPEN OR CLOSE** repeatedly until the LED on the motor unit is light blue.
3. Press **OPEN+CLOSE** briefly at the same time to select this menu.
4. The LED on the motor unit will now flash light blue.

Please note: in the next step, all customized settings will be reset and the motor unit will be returned to its default settings.
To skip, wait 15 seconds. until the LED on the motor unit goes out.

5. Confirm by briefly pressing **OPEN+CLOSE** simultaneously: the motor unit has been reset to the factory settings.
6. The LED on the motor unit flashes white rapidly for 15 seconds: with open or close, another feature can be selected from MENU 3.
7. If not, wait for 15 seconds or briefly press **OPEN+CLOSE** to exit the programming mode.

The LED on the motor unit goes out and the system is ready for use.

To exit programming mode at any time, wait 15 seconds.

4. System info

4.1 LED signals

Normal operation LED signals go out after 15 seconds.

1. LED colors: green, red, yellow, blue, purple, orange, and light blue - continuous or flashing:
    - normal programming mode colors.
2. LED flashes yellow - and stays on for longer than 15 seconds. flashing
    - the 24-hour timer: learning mode (24 hours)
3. LED flashes yellow once every 20 seconds.
    - the 24-hour timer is active
4. LED flashes yellow twice every 20 seconds.
    - the 24-hour timer is paused
5. LED flashes green
    - system calibration for 'Touch and Stop' in progress.
6. LED displays color palette continuously.
    - the showroom timer is active
7. LED flashes 3 times in succession 1 x red
    - shut down on high current (rare)
8. LED flashes 3 times in succession, 2 times red
    - system shut down on Touch and Hold function.
9. LED flashes 3 times in succession, 3 times red
    - system shut down due to overload (something in the rail or obstacle when no T&H)

System

1. No response to IR remote control.

- check the batteries in the remote control
- make sure channel A1 is selected on the remote control or that other channels are set.
- check that the plug is correctly inserted at the bottom of the motor unit.
- check that the infrared signals can reach the IR receiver.

2. Curtain stops at unexpected places on the system.

- recalibrate Touch and Stop or disable this option.

3. Curtain moves in the opposite direction to the operating direction.

- go to section 3.2: Reversed control inputs.

Power failure

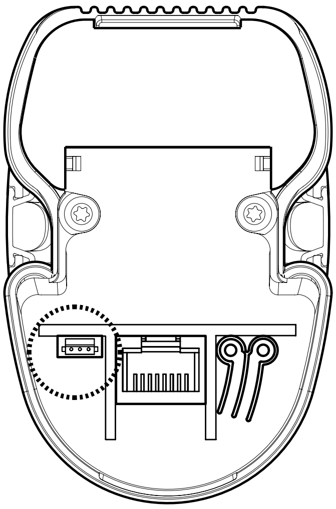
Power failure does not normally cause problems for G-Motion. The system detects a power failure. If the power returns and the system has been moved manually during the power failure, the system will sometimes recalibrate itself. To do this, it uses the electronically stored values for the end positions and the internal end stops as a reference.

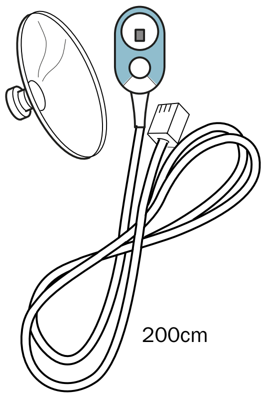
In the event of a power failure during auto-calibration, no end positions are stored. Check that the power is back on, then restart the system by briefly pressing **OPEN** or **CLOSE** .

Any timer settings must be reset after a power failure.

4.2. Connections

connector	: 3 pins
use	: light sensor





Notes

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