

Konect Elite

FUNCTIONAL DOCUMENTATION

*My*SmartWindow



Functional manual • gesture mode, push mode, master and lock

OVERVIEW

Konect Elite · overview

Konect Elite is a gesture sensor built into the shutter box that detects the user's hand using a distance sensor pointing at the floor. It lets you raise, lower and stop the roller shutter, and operate several roller shutters at once (Master Room / Master Home), all without any programming. Reference firmware: 0.2.0.8.1.

Contents

- The 3 key concepts: detection zone, dead zone and the language of the LED.
- Gesture Mode: raise, lower and stop the roller shutter by moving your hand.
- Push Mode: the sensor as an invisible push button that toggles between end positions.
- The Master chain: group control by room (Room) and by home (Home).
- Stop and lock: how to stop the roller shutter and lock the device.
- Soft Mode and Hard Mode: when the device starts reading gestures.
- Linking and AP Mode: how the device enters configuration mode.
- Hard reset: how to leave the device ready to be linked again.
- Table of all combinations and frequently asked questions.

THE 3 KEY CONCEPTS

Before you start

The sensor faces downwards and self-calibrates by measuring the distance to the floor (usually between 1000 and 2100 mm). These three concepts answer most questions about how it works.

Detection zone

The hand is detected from 5 % up to 99 % of the calibrated distance. In other words, almost the whole height below the box, unless the hand is held right against the sensor.

Dead zone $\pm 9\%$

When the hand enters, the device saves that height as a reference. As long as the movement is less than 9 % relative to the reference, nothing happens. This prevents activations caused by hand tremor.

The LED talks to you

The LED is the only feedback the user gets. Learning the 4 main colours solves 90 % of the questions on site.

LED	What it means	When it appears
Solid green	Hand detected, device ready	Gesture Mode, roller shutter stopped and unlocked
Green gradually brightening	Push countdown (1.5 s)	Push Mode only
Orange	"If you take your hand away, I stop the roller shutter"	A hand has been placed in the zone while the roller shutter was moving
Blue (300 ms blink)	Master command sent to the cloud	Master Room or Master Home confirmation
Red	Device locked (padlock)	Lock enabled from the app (service S20)
Turquoise, gradually brightening	Hand right against the sensor, admin zone	Device already linked, hand within 18 mm
Off	No hand, or action already confirmed	Idle

GESTURE MODE

The default mode

Your hand works like a remote control: move it up or down and the roller shutter obeys. The resulting movement is always full travel, never proportional to the gesture.

1. Place your hand under the shutter box. The LED turns green.
2. Raise your hand by about 15–25 cm (between 10 % and 30 % of the distance) → the roller shutter fully raises.
3. Lower your hand within the same range → the roller shutter fully lowers.
4. To stop: put your hand in again while the roller shutter is moving (orange LED) and then remove it.

DETAILS THAT SURPRISE YOU AT FIRST

A gesture of less than 9 % does nothing (dead zone), and neither does one of more than 30 %: that range is reserved for Master.

If your hand stays in place for more than 10 seconds, the sensor switches itself off until the hand is removed.

PUSH MODE

The sensor as an invisible push button

There is no need to move your hand, just hold it still. The push toggles the roller shutter between its end positions depending on where it starts.

1. Place your hand under the shutter box and do not move it.
2. The green LED gradually brightens for 1.5 seconds.
3. When the LED goes off, the command is confirmed.
4. Remove your hand: the roller shutter starts moving at that moment.

What exactly happens on a push

Roller shutter position	Result of the push
Fully up	Lowers fully
Fully down	Raises fully
Intermediate position	Moves in the opposite direction to the last movement

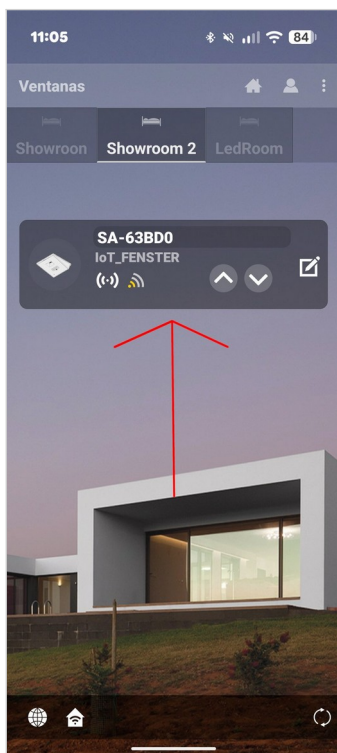
NOTE

If you move your hand more than 9 % during the countdown, the countdown restarts from zero at the new height.

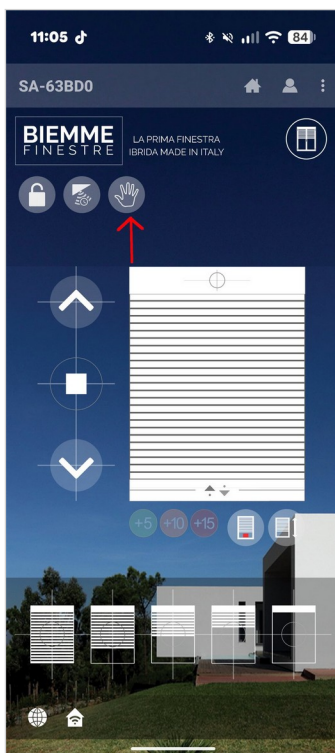
Push Mode is enabled and disabled from the app; it is a setting stored in the device and it survives a power cut.

How to enable Push Mode from the app

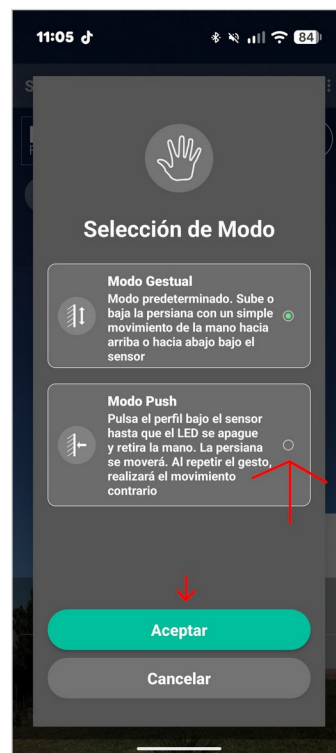
1. Open the MySmartWindow app, go into the room where the device is installed and **tap the device card** (for example, SA-63BD0).
2. On the roller shutter control screen, **tap the hand icon**. It is the third button in the top row, to the right of the padlock and the scheduled tasks button.
3. The **Mode Selection** window opens. Select the **Push Mode** option.
4. Tap **OK**. From then on, the sensor works as a push button.



Step 1 · Tap the device



Step 2 · Hand icon



Step 3 · Push Mode and OK

To return to normal operation, repeat the same steps and select **Gesture Mode** (the default mode).

THE MASTER CHAIN

Room first, then Home

GOLDEN RULE

Master cannot be triggered from cold. You must always move the roller shutter first with a normal gesture (10–30 %); that first gesture is what “arms” Master. Then, without removing your hand, a much bigger gesture (50 % or more) fires the Master command.

Command	Service	Scope	Fired when...
Master Room	S23	All the roller shutters assigned to the same room (idRoom) as the device	It is the first gesture $\geq 50\%$ after arming
Master Home	S17	All the roller shutters in the home (idHome)	It is the second gesture $\geq 50\%$, or the first if S23 is disabled

IMPORTANT

Master only exists in Gesture Mode. In Push Mode there is no Master: the push only moves the device's own roller shutter.

In addition, Master requires the device to be linked to the cloud, because the command is published over MQTT to the other devices. Without a connection, the big gesture does nothing.

If 10 seconds pass with no hand after a Master command, the chain is forgotten and the next time it starts again from Room.

STOP AND LOCK

Stopping the roller shutter and locking the device

Stop

Works the same in both modes and needs no gesture: just put your hand in the zone while the roller shutter is moving.

- Orange LED = stop ready.
- The roller shutter stops when you remove your hand, not before.

Lock (service S20)

It is enabled from the app. With the lock on:

- The LED turns red every time a hand is detected.
- No gesture or push moves the roller shutter.
- Master Room and Master Home do not work either.

NOTE

This is the typical function for children's rooms or for preventing accidental activation.

SOFT MODE AND HARD MODE

When the device starts reading gestures

This is an additional setting chosen from the app that changes the moment at which the device starts interpreting gestures.

Mode	Behaviour	When to use it
Soft (default)	Starts reading gestures as soon as it detects the hand	Normal use. Fastest response
Hard	Requires the hand to be still for between 0.5 and 1 s ($\pm 3\%$) before it starts reading gestures. Blue LED while it waits	Walkways, pets, curtains nearby: reduces accidental activations

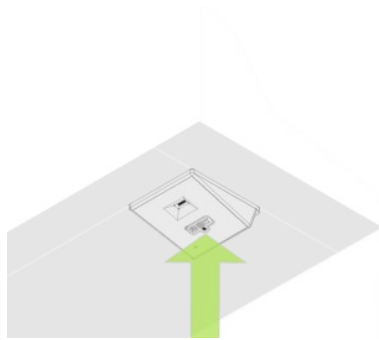
NOTE

In Hard Mode the user notices a small delay. This is intentional.

LINKING AND AP MODE

Linking the device and accessing configuration

If the device is not yet linked to the cloud, bringing your hand close to the sensor (within 18 mm) for 2 seconds makes it enter AP Mode so that it can be configured, with the LED gradually brightening in red. If the device is already linked, that same gesture only gives visual feedback (LED gradually brightening in turquoise) without performing any action.



WHERE THE RESET BUTTON IS

The reset button is on the underside of the shutter box, next to the sensor. To reach it, you need to open the shutter box downwards, as shown in the image.

DEVICE HARD RESET

Leaving the device ready to be linked again

The hard reset is done with the reset button and your hand in front of the sensor. It is a process with several consecutive steps: read them all before you start and do not skip any.

Procedure

1. Locate the reset button: it is on the underside of the shutter box, next to the sensor (see previous page).
2. Press the reset button and release it **quickly**.
3. As soon as you have pressed it, **bring your hand close to the sensor** (within 18 mm).
4. A red LED appears and slowly fades out. **Do not move your hand away** in the meantime.
5. When the red LED has gone out completely, remove your hand.
6. Wait **5 seconds** without touching anything after the last action.

HOW TO TELL IT HAS WORKED

If the LED blinks and about 2 seconds pass between one blink and the next, the device is ready to be linked.

What you see on the LED	What it means	What to do
Red, slowly fading out	Reset in progress: the sensor is detecting your hand	Do not move your hand away until it goes out completely
Blinks every 2 s (after 5 s)	Reset successful. The device is ready to be linked	Link it from the app

NOTE

Do not confuse the hard reset with Hard Mode (page 9). Hard Mode only changes when the device starts reading gestures and has nothing to do with resetting.

ALL COMBINATIONS — GESTURE MODE

Table for testing a device on the bench or on site

#	Starting situation	What the user does	Result	LED
1	Roller shutter stopped, unlocked	Hand moves up 10-30 %	This roller shutter fully raises	Green
2	Roller shutter stopped, unlocked	Hand moves down 10-30 %	This roller shutter fully lowers	Green
3	Roller shutter moving	Puts the hand in and removes it	Immediate stop	Orange
4	Right after 1 or 2, without removing the hand	Hand moves up ≥ 50 %	Master Room up (if S23 enabled)	Blue
5	Right after 1 or 2, without removing the hand	Hand moves down ≥ 50 %	Master Room down (if S23 enabled)	Blue
6	A Master Room was done less than 10 s ago	Repeat: normal gesture + gesture ≥ 50 %	Master Home (if S17 enabled)	Blue
7	S23 disabled, S17 enabled	Normal gesture + hand moves up ≥ 50 %	Direct Master Home, without going through Room	Blue
8	S23 and S17 disabled	Gesture ≥ 50 %	Nothing happens	Green
9	Device not linked to the cloud	Gesture ≥ 50 %	Nothing happens; the local roller shutter does respond to combinations 1 and 2	Green
10	Lock enabled (S20)	Any gesture or push	Nothing moves	Red
11	Any	Leaves the hand in place for more than 10 s	The sensor switches off until the hand is removed	Off
12	More than 10 s without a hand after a Master command	Performs the Master gesture again	The chain restarts: it begins again from Room	Blue
13	Device not linked	Hand right against the sensor (<18 mm) for 2 s	Enters AP Mode for configuration	Red, gradually brightening
14	Device already linked	Hand right against the sensor (<18 mm) for 2 s	Visual feedback only, no action is performed	Turquoise, gradually brightening

ALL COMBINATIONS — PUSH MODE

Table for testing a device on the bench or on site

#	Starting situation	What the user does	Result
1	Roller shutter fully up	Hand still for 1.5 s, then removed	Lowers fully
2	Roller shutter fully down	Hand still for 1.5 s, then removed	Raises fully
3	Roller shutter partway	Hand still for 1.5 s, then removed	Moves opposite to the last movement
4	Roller shutter moving	Puts the hand in and removes it	Immediate stop (takes priority over the push)
5	Any	Moves the hand during the countdown	The countdown restarts, nothing is triggered
6	Any	Large gesture raising or lowering the hand	Nothing: in Push Mode there are no gestures or Master

FREQUENTLY ASKED QUESTIONS

What everyone asks in the first week

Why does my gesture do nothing?

In order of likelihood:

- The gesture was too short (less than 9 %: dead zone).
- You are in Push Mode and the device expects a still hand, not a moving one.
- You have had your hand in place for more than 10 s and the sensor has switched off: remove your hand and put it in again.
- The lock is enabled (red LED).
- You are in Hard Mode and have not kept your hand still for the required time beforehand.

Why doesn't Master Home work the first time?

Because the design is a chain: the first large gesture always goes to Master Room, and Home is the second. It only jumps straight to Home if the Room service (S23) is disabled. The device must also be linked: without the cloud there is no Master.

Can I stop the roller shutter partway with a gesture?

Not with a gesture. Stopping is done by putting your hand in while the roller shutter is moving and then removing it. Movement by gesture is always to an end position (full travel).

Are the modes lost in a power cut?

No. Push Mode, Hard Mode, the lock and the calibration are stored in the device's internal memory.

Do I need to recalibrate if the floor height changes?

The device recalibrates by itself under certain conditions, but if the change is large and permanent (a rug, a piece of furniture) the right thing to do is to launch a recalibration from the app. The calibrated distance is the basis of all the percentages in this guide.

PRINTABLE QUICK REFERENCE

Konect Elite · feature summary

Key points

- Gesture: hand up 10–30 % = up; hand down 10–30 % = down; putting your hand in while it moves = stop.
- Master: normal gesture + gesture ≥ 50 % = Room; repeat = Home; confirmation = blue LED.
- Push: hand still for 1.5 s + remove = opposite end; green LED gradually brightening = countdown.
- Limits: ± 9 % dead zone; hand in place for more than 10 s = sensor off; Master is forgotten after 10 s and requires the device to be linked.
- The lock (S20) blocks gestures, push and Master; the LED turns red when it detects the hand.

NOTE FOR THE FIRMWARE TEAM

There is a known asymmetry in the Master chain when S23 is disabled: the up gesture jumps straight to Master Home in the same gesture, whereas the down gesture uses up one gesture to arm Home mode and has to be repeated. Documented as the actual behaviour of firmware 0.2.0.8.1, not as the intended behaviour.

MySmartWindow · Konect Elite

Functional document prepared from the technical information and guidance provided for the device.

Features

Gesture control · Push Mode · Master Room · Master Home · Stop · Lock · Soft / Hard Mode · Linking and AP Mode · Hard reset

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Once You Have It, You Love It.