![helioscreen - Intelligent Sun Control Solutions]

Maestria 50 RTS
Programming Guide

somfy® Building happiness
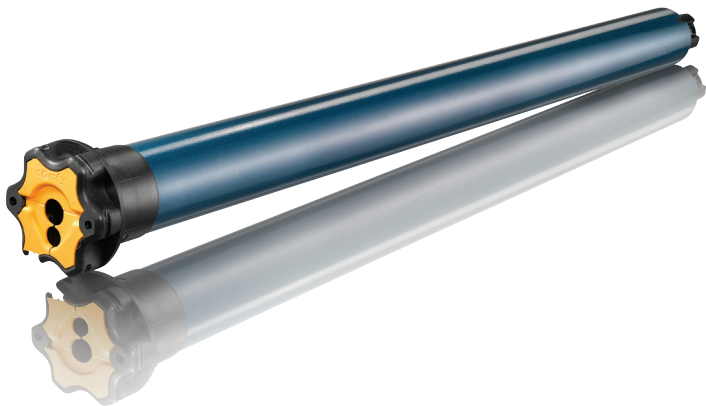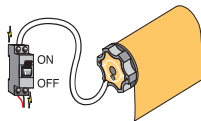
Maestria 50 RTS
Manual limit setting

*The motor will move continuously if the Up or Down buttons are held for more than a few seconds. Use the **my** button to stop.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

1   Power on the motor

Switch on the power to the motor

⚠ Only connect one motor at a time.

2   Check the motor's rotation direction

When using a multi-channel RTS control, remember to select the desired channel prior to programming.

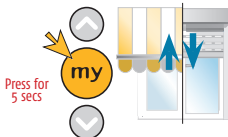Hold Up and Down together until it jiggles.

Press and hold the Down button. Does the product extend?

YES – The product extends while pressing the Down button – Go to step 4

NO – The product retracts while pressing the Down button – Continue to step 3

3   Reverse the direction of rotation

To reverse the direction of the motor, press and hold the **my** button until the product jiggles.

Press for 5 secs

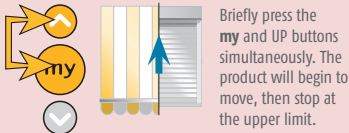Press and hold the Down button to test that the motor direction is correct.

Continue to step 4

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Maestria 50 RTS
Manual limit setting

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4 **Set limits**

*Move the product to the desired top limit.

Briefly press the **my** and Down buttons simultaneously. The product will begin to move down.

Stop the product at the lower limit.

Briefly press the **my** and UP buttons simultaneously. The product will begin to move, then stop at the upper limit.

Press and hold the **my** button until the motor jiggles.

5 **Programming the RTS control to the motor**

Press the program button on the RTS control until the product jiggles.
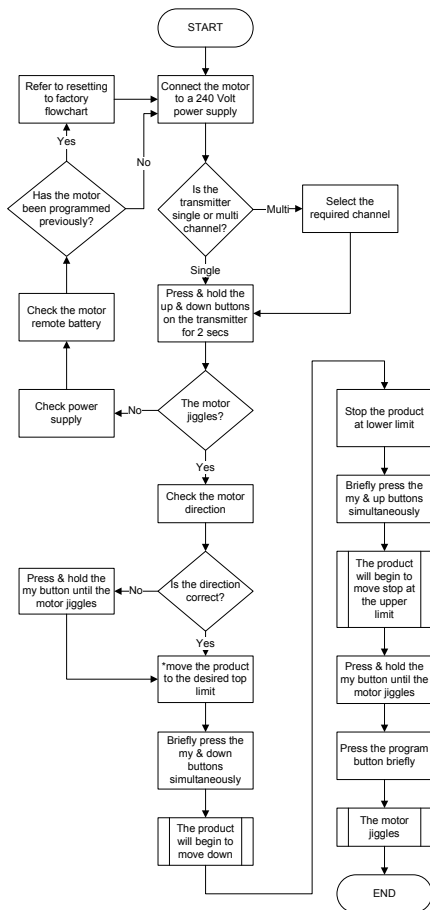
Smoove RTS

OR

Situo RTS

jiggle = control recorded ✔

Check functionality Complete ✔

Maestria 50 RTS
Manual limit setting

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START

Refer to resetting to factory flowchart

Connect the motor to a 240 Volt power supply

Yes ← No

Has the motor been programmed previously?

Is the transmitter single or multi channel? — Multi → Select the required channel

Single

Check the motor remote battery

Press & hold the up & down buttons on the transmitter for 2 secs

Check power supply — No — The motor jiggles?

Yes

Check the motor direction

Press & hold the my button until the motor jiggles — No — Is the direction correct?

Yes

*move the product to the desired top limit

Briefly press the my & down buttons simultaneously

The product will begin to move down

Stop the product at lower limit

Briefly press the my & up buttons simultaneously

The product will begin to move stop at the upper limit

Press & hold the my button until the motor jiggles

Press the program button briefly

The motor jiggles

END

*The motor will move continuously if the up or down buttons are held for more than a few seconds. Use the stop button to stop.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

STOP = MY

Maestria 50 RTS
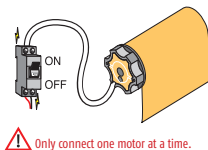## Semi-automatic limit setting

Note: Semi-automatic setting mode is only compatible with screens featuring a hard stop at the upper end limit.

The motor will move continuously if the Up or Down buttons are held for more than a few seconds. Use the **my** button to stop.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

---

1   Power on the motor

Switch on the power to the motor

ON
OFF

⚠ Only connect one motor at a time.

---

2   Check the motor's rotation direction

When using a multi-channel RTS control, remember to select the desired channel prior to programming.

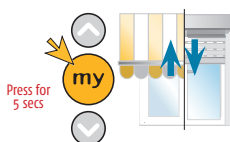Hold Up and Down together until it jiggles.

Press and hold the Down button. Does the product extend?

YES – The product extends while pressing the Down button – Go to step 4

NO – The product retracts while pressing the Down button – Continue to step 3

---

3   Reverse the direction of rotation

To reverse the direction of the motor, press and hold the **my** button until the product jiggles.

Press for 5 secs

Press and hold the Down button to test that the motor direction is correct.

Continue to step 4

Maestria 50 RTS
Semi-automatic limit setting

4   **Semi-automatic limit setting**

Position the screen at the desired lower limit.
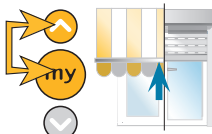
Press **my** and Up, the screen raises. Press **my** to stop the screen.
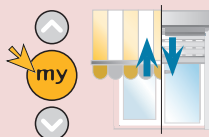
Press and hold the **my** button to save the lower limit. The motor will jiggle.

5   **Programming the RTS control to the motor**

Press the program button on the RTS control until the product jiggles.

Smoove RTS   OR   Situo RTS   jiggle = control recorded ✔

Check functionality Complete ✔

START

Refer to resetting to factory flowchart

Yes

Has the motor been programmed previously?

Connect the motor to a 240 Volt power supply

No

Is the transmitter single or multi channel?

Multi → Select the required channel

Single

Press & hold the up & down buttons on the transmitter for 2 secs

Check the motor remote battery

Check power supply

No ← The motor jiggles?
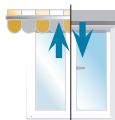
Yes

Check the motor direction

Press & hold the my button until the motor jiggles

No ← Is the direction correct?

Yes

*Move the product to its lower limit

Briefly press the up & my buttons simultaneously

The motor begins to raise the screen

Press the stop button

Press & hold the my button until the motor jiggles

Press the program button briefly

The motor jiggles

END

Automatic setting at UP end limit is only compatible with screens featuring a hard stop.

*The motor will move continuously if the up or down buttons are held for more than a few seconds. Use the stop button to stop.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

STOP = MY

Maestria 50 RTS
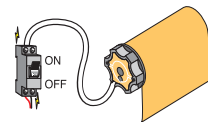## Automatic limit setting

Note: Automatic mode is only compatible with screens fitted with hard up and lower stops.

The motor will move continuously if the Up or Down buttons are held for more than a few seconds. Use the **my** button to stop.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

---

1 **Power on the motor**

Switch on the power to the motor

ON
OFF

⚠ Only connect one motor at a time.

---

2 **Check the motor's rotation direction**

When using a multi-channel RTS control, remember to select the desired channel prior to programming.

Hold Up and Down together until it jiggles.

Press and hold the Down button. Does the product extend?

YES – The product extends while pressing the Down button – Go to step 4

NO – The product retracts while pressing the Down button – Continue to step 3

---

3 **Reverse the direction of rotation**

To reverse the direction of the motor, press and hold the **my** button until the product jiggles.

Press for 5 secs

Press and hold the Down button to test that the motor direction is correct.

Continue to step 4

Maestria 50 RTS
Automatic limit setting

4   **Automatic limit setting**
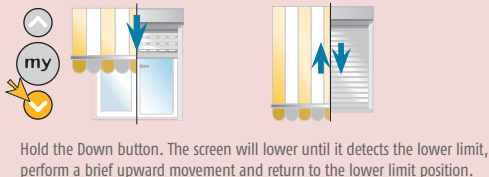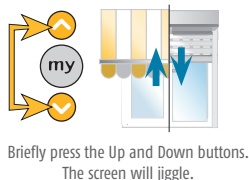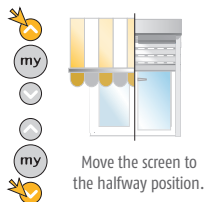
Move the screen to the halfway position.

Briefly press the Up and Down buttons. The screen will jiggle.

Hold the Down button. The screen will lower until it detects the lower limit, perform a brief upward movement and return to the lower limit position.

Press and hold the **my** button until the motor jiggles.

5   **Programming the RTS control to the motor**

Press the program button on the RTS control until the product jiggles.

Smoove RTS

OR

Situo RTS

jiggle = control recorded ✔

Check functionality Complete ✔

Maestria 50 RTS
Automatic limit setting

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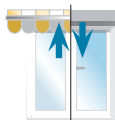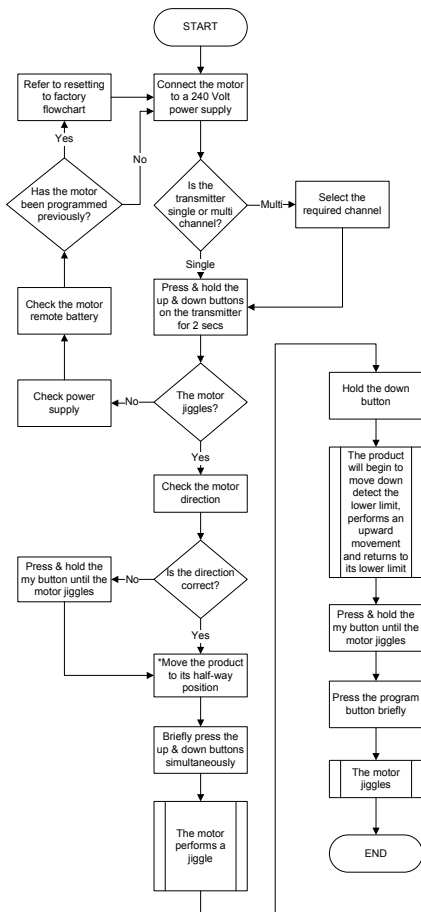
Automatic setting at UP and LOWER end limits is only compatible with screens featuring a hard stop.

*The motor will move continuously if the up or down buttons are held for more than a few seconds. Use the stop button to stop.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

STOP = MY

START

Connect the motor to a 240 Volt power supply

Refer to resetting to factory flowchart

— Yes

Has the motor been programmed previously?

— No

Is the transmitter single or multi channel? — Multi → Select the required channel

— Single

Check the motor remote battery

Press & hold the up & down buttons on the transmitter for 2 secs

The motor jiggles? — No → Check power supply

— Yes

Check the motor direction

Is the direction correct? — No → Press & hold the my button until the motor jiggles

— Yes

*Move the product to its half-way position

Briefly press the up & down buttons simultaneously

The motor performs a jiggle

Hold the down button

The product will begin to move down detect the lower limit, performs an upward movement and returns to its lower limit

Press & hold the my button until the motor jiggles

Press the program button briefly

The motor jiggles

END

Maestria 50 RTS
Activate and deactivate obstacle detection

Note: If the motor is inactive for 2 seconds during mode change, it will automatically return to user mode.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

1 **Enter programming mode**

Move the product to its half-way position.

Briefly press **my** and Up and again hold **my** and Up until the motor jiggles.

Press briefly

Hold

To activate obstacle detection move to step 2
To deactivate obstacle detection move to step 3

2 **Activate obstacle detection**

Briefly press the down button. The motor will jiggle slow.

Press and hold the **my** button until the motor jiggles.

3 **Deactivate obstacle detection**

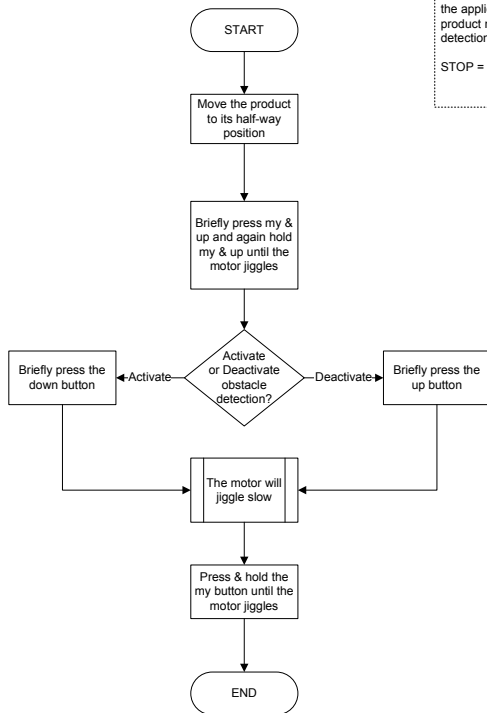Briefly press the up button. The motor will jiggle slow.

Press and hold the **my** button until the motor jiggles.

Maestria 50 RTS
Activate and deactivate obstacle detection

If the motor is inactive for 2 seconds during mode change, it will automatically return to user mode.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

STOP = MY

```
                    START
                      │
                      ▼
             Move the product
             to its half-way
                position
                      │
                      ▼
             Briefly press my &
             up and again hold
             my & up until the
              motor jiggles
                      │
                      ▼
                   Activate
Briefly press the  or Deactivate   Briefly press the
down button ◄──Activate─ obstacle ─Deactivate►  up button
                   detection?
       │                                    │
       │              ▼                     │
       └──────► The motor will ◄────────────┘
                 jiggle slow
                      │
                      ▼
             Press & hold the
             my button until the
               motor jiggles
                      │
                      ▼
                    END
```

Maestria 50 RTS
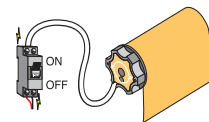## Manual setting with **automatic locks at the lower limit

*The motor will move continuously if the Up or Down buttons are held for more than a few seconds. Use the **my** button to stop.

**Requires the product to be equipped with automatic locks at the lower limit.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

---

1   Power on the motor

Switch on the power to the motor

⚠ Only connect one motor at a time.

---

2   Check the motor's rotation direction

When using a multi-channel RTS control, remember to select the desired channel prior to programming.

Hold Up and Down together until it jiggles.

Press and hold the Down button. Does the product extend?

YES – The product extends while pressing the Down button – Go to step 4

NO – The product retracts while pressing the Down button – Continue to step 3

---

3   Reverse the direction of rotation

To reverse the direction of the motor, press and hold the **my** button until the product jiggles.

Press for 5 secs

Press and hold the Down button to test that the motor direction is correct.

Continue to step 4

Maestria 50 RTS
Manual setting with **automatic locks at the lower limit

4 **Limit setting**

Move the product to its halfway position.

Press for 7 secs

Press and hold the Up & Down buttons for 7 seconds. The motor performs a jiggle and then a second slower jiggle.

*Move the product to the desired top limit.

Briefly press the **my** and Down buttons simultaneously. The product will begin to move down.

Stop the product at lower limit just below the automatic lock.

5 **Set automatic locks lower limit**

Briefly press the **my** and Up buttons simultaneously. The product will begin to move up and tension against automatic lock.

*Press the Down button until the product unlocks.

Press and hold the **my** button until the motor jiggles.

6 Programming the RTS control to the motor

Press the program button on the RTS control until the product jiggles.

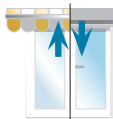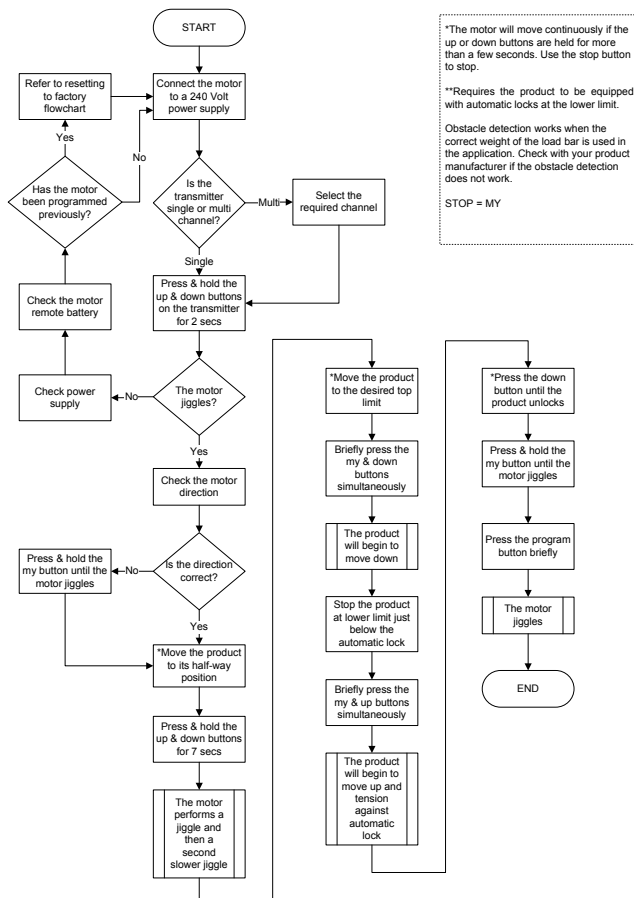

Smoove RTS   OR   Situo RTS   jiggle = control recorded ✔

Check functionality ✔
Complete

Maestria 50 RTS
Manual setting with **automatic locks at the lower limit

START

Refer to resetting to factory flowchart

Connect the motor to a 240 Volt power supply

Yes

No

Has the motor been programmed previously?

Is the transmitter single or multi channel?

Multi→ Select the required channel

Single

Check the motor remote battery

Press & hold the up & down buttons on the transmitter for 2 secs

Check power supply

—No—

The motor jiggles?

Yes

Check the motor direction

Press & hold the my button until the motor jiggles

—No—

Is the direction correct?

Yes

*Move the product to its half-way position

Press & hold the up & down buttons for 7 secs

The motor performs a jiggle and then a second slower jiggle

*Move the product to the desired top limit

Briefly press the my & down buttons simultaneously

The product will begin to move down

Stop the product at lower limit just below the automatic lock

Briefly press the my & up buttons simultaneously

The product will begin to move up and tension against automatic lock

*Press the down button until the product unlocks

Press & hold the my button until the motor jiggles

Press the program button briefly

The motor jiggles

END

*The motor will move continuously if the up or down buttons are held for more than a few seconds. Use the stop button to stop.

**Requires the product to be equipped with automatic locks at the lower limit.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

STOP = MY

Maestria 50 RTS
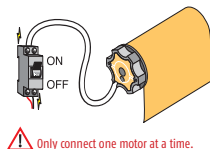## Semi-automatic setting with **automatic locks at the lower limit

*The motor will move continuously if the Up or Down buttons are held for more than a few seconds. Use the **my** button to stop.

**Requires the product to be equipped with automatic locks at the lower limit.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.
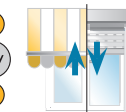
---

1   Power on the motor

Switch on the power to the motor

ON
OFF

⚠ Only connect one motor at a time.

---

2   Check the motor's rotation direction

my

my

YES – The product extends while pressing the Down button – Go to step 4

NO – The product retracts while pressing the Down button – Continue to step 3

When using a multi-channel RTS control, remember to select the desired channel prior to programming.

Hold Up and Down together until it jiggles.

Press and hold the Down button. Does the product extend?

---

3   Reverse the direction of rotation

To reverse the direction of the motor, press and hold the **my** button until the product jiggles.

Press for 5 secs

my

Press and hold the Down button to test that the motor direction is correct.
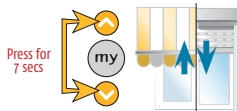
my

Continue to step 4

Maestria 50 RTS
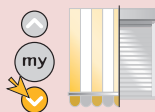## Semi-automatic setting with **automatic locks at the lower limit

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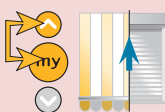**4** | **Set automatic locks lower limit**

*Move the product to its half-way position.

Press for 7 secs

Press and hold the Up & Down buttons for 7 seconds. The motor performs a jiggle and then a second slower jiggle.

*Move the product to the lower limit just below the automatic lock.

Briefly press the **my** and Up buttons simultaneously. The product will begin to move up and tension against automatic lock.

*Press the down button until the product unlocks.

Press & hold the **my** button until the motor jiggles.

---

5 | **Programming the RTS control to the motor**

Press the program button on the RTS control until the product jiggles.

Smoove RTS   OR   Situo RTS   jiggle = control recorded ✔

Check functionality Complete ✔

Maestria 50 RTS
Semi-automatic setting with **automatic locks at the lower limit

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```
START
```

Refer to resetting to factory flowchart

Connect the motor to a 240 Volt power supply

Yes ← Has the motor been programmed previously? — No

Check the motor remote battery

Is the transmitter single or multi channel? — Multi → Select the required channel

Check power supply ← No — The motor jiggles?

Single

Press & hold the up & down buttons on the transmitter for 2 secs

Yes

Check the motor direction

Press & hold the my button until the motor jiggles ← No — Is the direction correct?

Yes

*Move the product to its half-way position
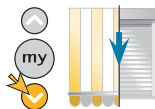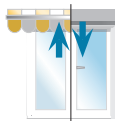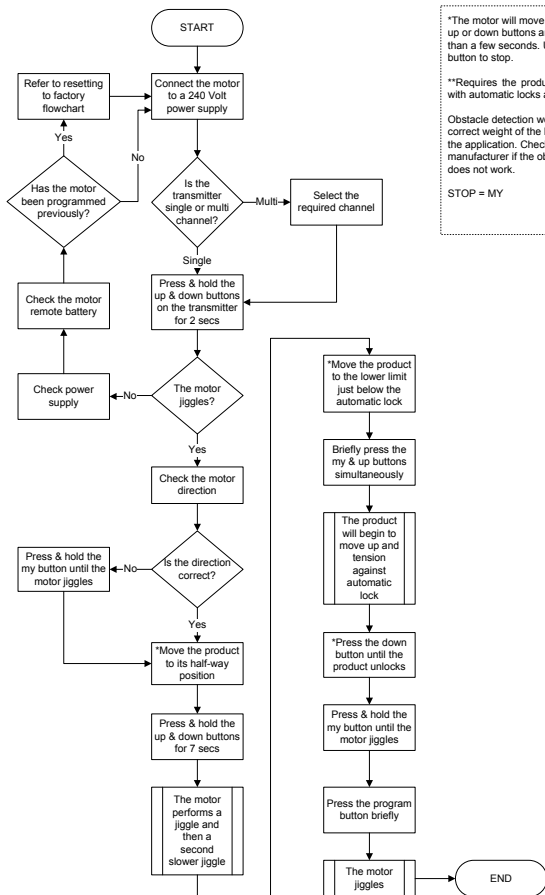
Press & hold the up & down buttons for 7 secs

The motor performs a jiggle and then a second slower jiggle

*Move the product to the lower limit just below the automatic lock

Briefly press the my & up buttons simultaneously

The product will begin to move up and tension against automatic lock

*Press the down button until the product unlocks

Press & hold the my button until the motor jiggles

Press the program button briefly

The motor jiggles → END

*The motor will move continuously if the up or down buttons are held for more than a few seconds. Use the stop button to stop.

**Requires the product to be equipped with automatic locks at the lower limit.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

STOP = MY

Maestria 50 RTS
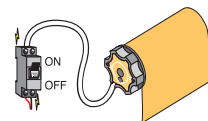## Manual setting with manual locks at the lower limit

*The motor will move continuously if the Up or Down buttons are held for more than a few seconds. Use the **my** button to stop.

**The manual lock function is deactivated by default. These steps activates the manual lock function. To deactivate, repeat step 6.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

---

1   **Power on the motor**

Switch on the power to the motor

ON
OFF

⚠ Only connect one motor at a time.

---

2   **Check the motor's rotation direction**

When using a multi-channel RTS control, remember to select the desired channel prior to programming.

Hold Up and Down together until it jiggles.

Press and hold the Down button. Does the product extend?

YES – The product extends while pressing the Down button – Go to step 4

NO – The product retracts while pressing the Down button – Continue to step 3

---

3   **Reverse the direction of rotation**

To reverse the direction of the motor, press and hold the **my** button until the product jiggles.

Press for 5 secs

Press and hold the Down button to test that the motor direction is correct.

Continue to step 4

Maestria 50 RTS
Manual setting with manual locks at the lower limit

4 Set limits

*Move the product to the desired top limit.

Briefly press the **my** and Down buttons simultaneously. The product will begin to move down.

Stop the product at the lower limit just below the manual lock.

Briefly press the **my** and Up buttons simultaneously. The product will begin to move up and stop at the upper limit.

Press and hold the **my** button until the motor jiggles.

5 Programming the RTS control to the motor

Press the program button on the RTS control until the product jiggles.

Smoove RTS

OR

Situo RTS

jiggle = control recorded ✔

Check functionality Complete ✔

6 Program manual lock function

****Move the product to the lower limit.

****Turn the power off, wait 3 seconds, then turn the power back on.

⚠ Only connect one motor at a time.

**Press and hold the Up and **my buttons until the motor completes a slow jiggle.

Maestria 50 RTS
Manual setting with manual locks at the lower limit

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```
START
  ↓
Connect the motor to a 240 Volt power supply
```

Refer to resetting to factory flowchart ← Yes — Has the motor been programmed previously? — No → Connect the motor to a 240 Volt power supply

```
Is the transmitter single or multi channel? —Multi→ Select the required channel
  ↓ Single
Press & hold the up & down buttons on the transmitter for 2 secs
```

Check the motor remote battery ← No ← Has the motor been programmed previously?

Check power supply ←No— The motor jiggles?
  ↓ Yes
Check the motor direction
  ↓
Press & hold the my button until the motor jiggles ←No— Is the direction correct?
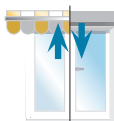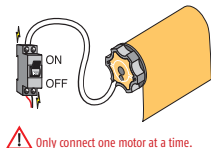 ↓ Yes
*move the product to the desired top limit
  ↓
Briefly press the stop & down buttons simultaneously
  ↓
The product will begin to move down

Stop the product at lower limit just below the manual lock
  ↓
Briefly press the my & up buttons simultaneously
  ↓
The product will begin to move up and stop at the upper limit
  ↓
Press & hold the my button until the motor jiggles
  ↓
Press the program button briefly
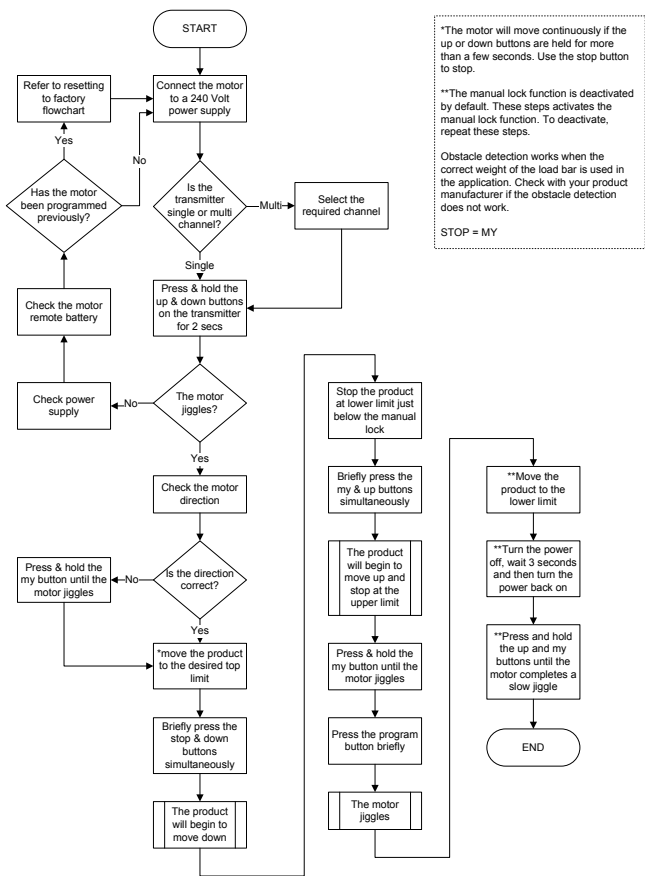 ↓
The motor jiggles

**Move the product to the lower limit
  ↓
**Turn the power off, wait 3 seconds and then turn the power back on
  ↓
**Press and hold the up and my buttons until the motor completes a slow jiggle
  ↓
END

*The motor will move continuously if the up or down buttons are held for more than a few seconds. Use the stop button to stop.

**The manual lock function is deactivated by default. These steps activates the manual lock function. To deactivate, repeat these steps.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

STOP = MY

Maestria 50 RTS
Semi-automatic setting with manual locks at the lower limit

Note: Semi-automatic setting with manual locks at the lower limit is only compatible with screens featuring a hard upper stop and manual locks.
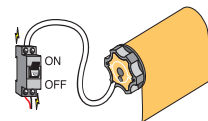
*The motor will move continuously if the Up or Down buttons are held for more than a few seconds. Use the **my** button to stop.

**The manual lock function is deactivated by default. These steps activate the manual lock function. To deactivate, repeat step 6.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

---

1 | **Power on the motor**

Switch on the power to the motor

⚠ Only connect one motor at a time.

---

2 | **Check the motor's rotation direction**

When using a multi-channel RTS control, remember to select the desired channel prior to programming.
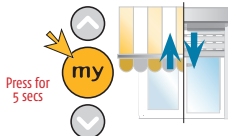
Hold Up and Down together until it jiggles.

Press and hold the Down button. Does the product extend?

YES – The product extends while pressing the Down button – Go to step 4

NO – The product retracts while pressing the Down button – Continue to step 3

---

3 | **Reverse the direction of rotation**

To reverse the direction of the motor, press and hold the **my** button until the product jiggles.

Press for 5 secs

Press and hold the Down button to test that the motor direction is correct.

Continue to step 4

Maestria 50 RTS
Semi-automatic setting with manual locks at the lower limit
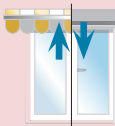
4   **Semi-automatic limit setting**

Position the screen at the desired lower limit, just below the manual lock.

Press **my** and Up, the product will begin to move and stop at the upper limit.

Press and hold the **my** button until the motor jiggles.

5   **Programming the RTS control to the motor**

Press the program button on the RTS control until the product jiggles.

Smoove RTS

OR

Situo RTS
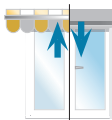
jiggle = control recorded ✔

Check functionality Complete ✔

Maestria 50 RTS
Semi-automatic setting with manual locks at the lower limit

6 **Program manual lock function**

**Move the product to the lower limit.

ON
OFF

⚠ Only connect one motor at a time.

**Turn the power off, wait 3 seconds, then turn the power back on.

**Press and hold the Up and my buttons until the motor completes a slow jiggle.

Maestria 50 RTS
Semi-automatic setting with manual locks at the lower limit

RTS
Radio Technology Somfy®

START

Connect the motor to a 240 Volt power supply

Refer to resetting to factory flowchart

Has the motor been programmed previously? — Yes / No

Check the motor remote battery

Is the transmitter single or multi channel? — Single / Multi

Select the required channel

Press & hold the up & down buttons on the transmitter for 2 secs

The motor jiggles? — No / Yes

Check power supply

Check the motor direction

Is the direction correct? — No / Yes

Press & hold the my button until the motor jiggles

Move the product to the lower limit just below the manual locks

Briefly press the my & up buttons simultaneously

The product will begin to move and stop at the upper limit

Press & hold the my button until the motor jiggles

Press the program button briefly

The motor jiggles
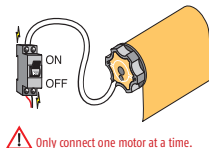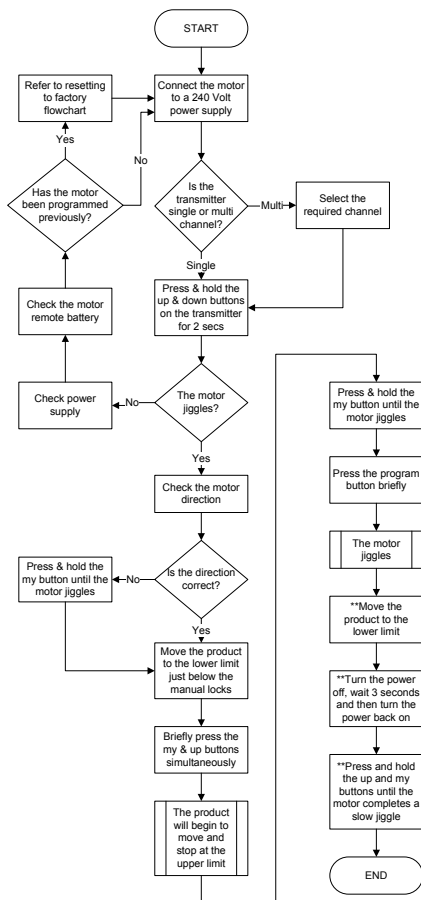
**Move the product to the lower limit

**Turn the power off, wait 3 seconds and then turn the power back on

**Press and hold the up and my buttons until the motor completes a slow jiggle

END

Automatic setting at UP end limit is only compatible with screens featuring a hard stop.

*The motor will move continuously if the up or down buttons are held for more than a few seconds. Use the stop button to stop.

**The manual lock function is deactivated by default. These steps activates the manual lock function. To deactivate, repeat these steps.

Obstacle detection works when the correct weight of the load bar is used in the application. Check with your product manufacturer if the obstacle detection does not work.

STOP = MY

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