



Operating manual Swing-Out w. E-Drawer 47/65



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Intended Use

The product is designed for the lifting of Flat-TV sets out of furnitures. All company names and product names are trademarks of their respective owners. All rights reserved.

The scope of delivery may vary depending on the product and the equipment series. Please check the completeness of the delivery and notify us within 7 days of receipt, if the delivery is not complete.

Safety and hazard warnings

Please read this chapter carefully and follow all listed instructions. This ensures reliable operation and a long service life of your lift system. Keep the operating instructions in a safe place.

Damage caused by non-observance of these operating instructions invalidates the guarantee! For consequential damages we accept no liability. In case of property damage or personal injury caused by improper handling or non-observance of the safety instructions, we assume no liability! In such cases, any warranty claim expires.

- > For safety reasons, the unauthorized conversion and / or alteration of the product is not permitted. Do not dismantle it.
- > The product is not a toy and does not belong in the hands of children.
- > The product must not be damp or wet.
- > Do not leave the packing material careless, children could choke in the worst case if swallowed.
- > Dropping from a low height will damage the product.
- > Before using for the first time, please check that it is possible for the Flatlift to move in and out, including the mounted Picture set, and ensure a collision-free ride.

The quality

We have focused our attention on high functionality, ease of use, safety and reliability in the choice of components.

We thank you for your trust in our Flatlift brand products.

Through individual customer care we support you during your installation.



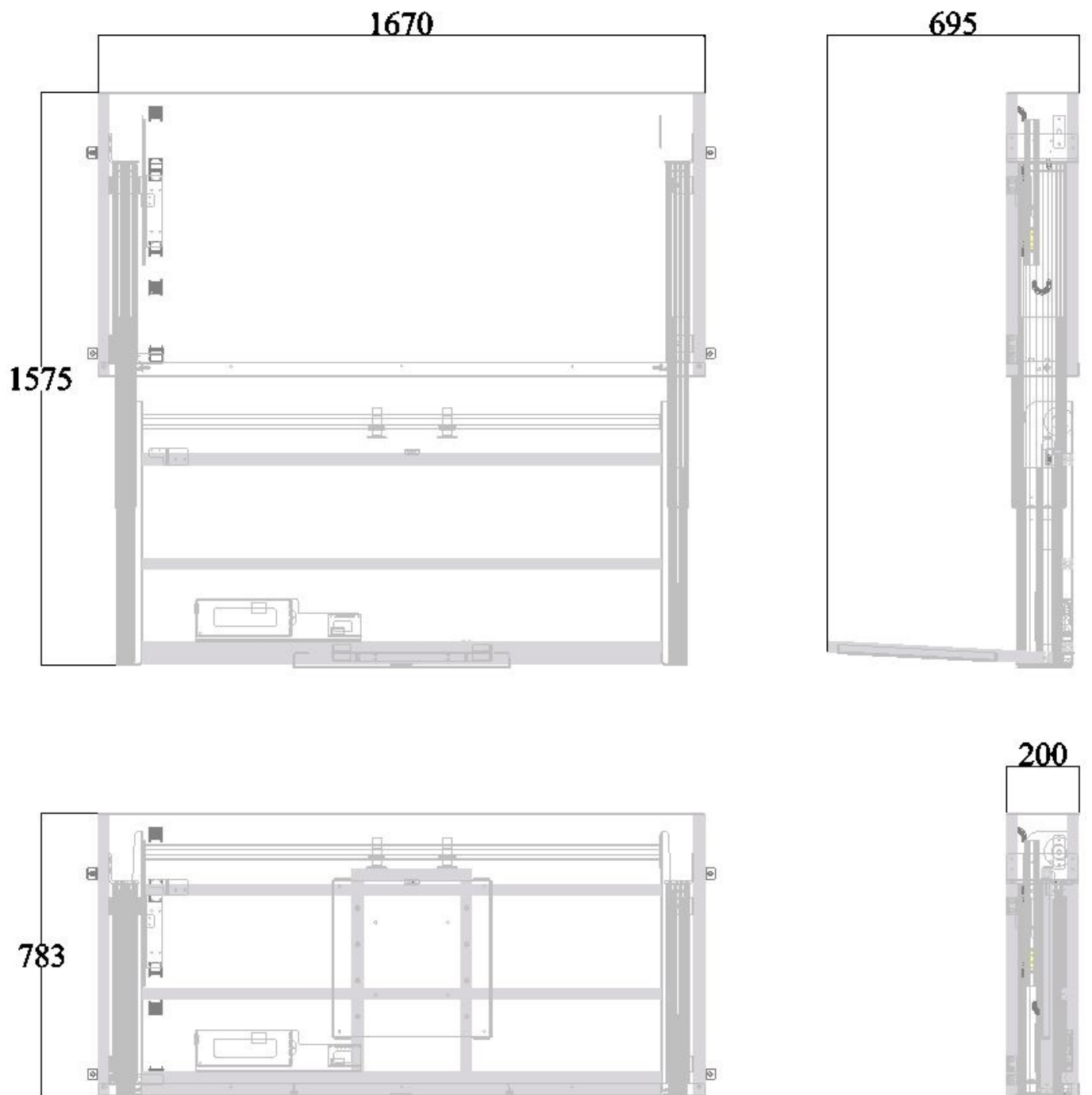
Characteristics:

- > Installation dimensions Flatlift
W = 1670mm D = 783mm H = 200mm
- > stroke 800mm
- > angle 87°
- > lifting speed 38mm / sec
- > TV weight max. 35kg / 350N / including case
- > TV size 47-65"(inches)
(maximum possible TV size in mm: W = 1300, H = 740mm, D = 80)
- > duty cycle 5%
- > Soft Start / Soft Stop
- > Low noise level
- > ambient temperature + 5 ° C to 40 ° C
- > Connection to room control possible
- > 230V emergency power supply (optional)

Delivery:

- > Flatlift Swing-Out E-Drawer
- > control box
- > 230V power cable
- > Motor cable
- > 12V power supply for radio receiver
- > 433.92 MHz 2 channel radio receiver
- > 433.92 MHz 2 channel radio transmitter
- > Siemens Logo Controller







Initial setup:

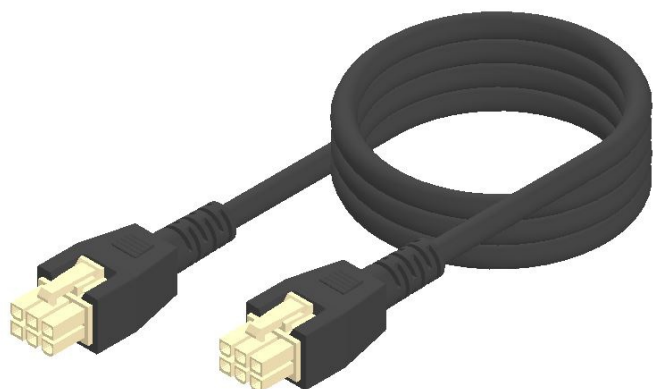


fig. 3



fig. 5

If you disconnect the motor cable from the control box, the Flatlift system must be reinitialized.

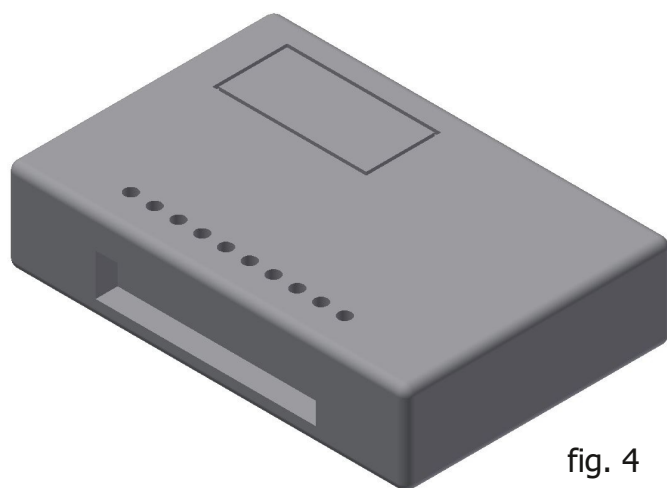


fig. 4

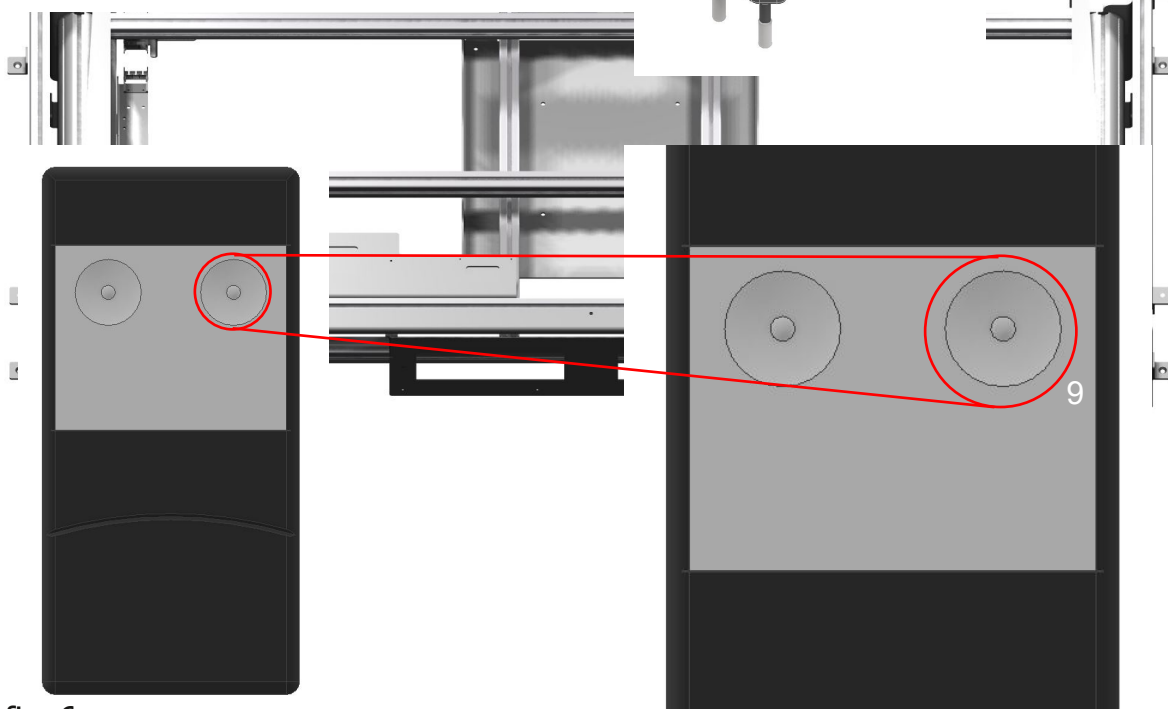
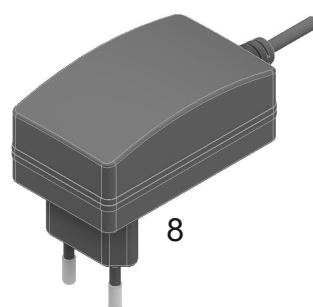
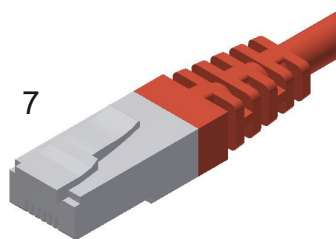


fig. 6

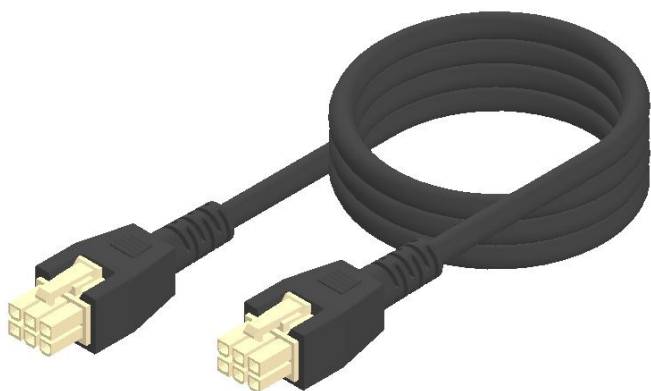


fig. 3



fig. 5

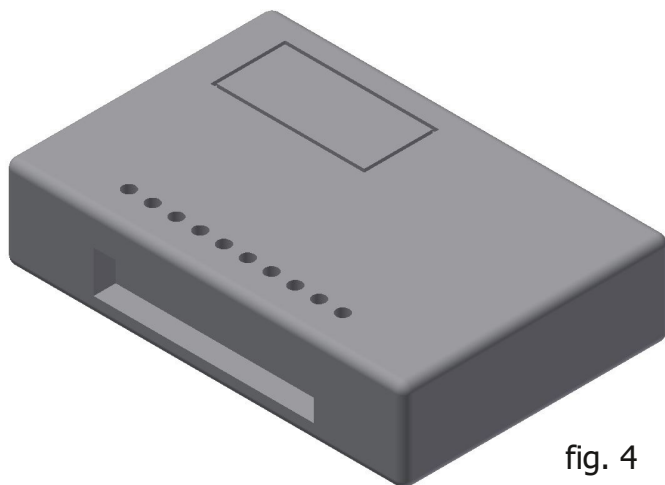
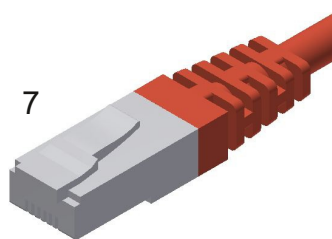
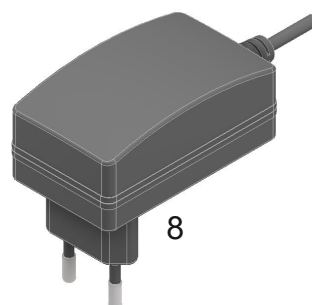


fig. 4



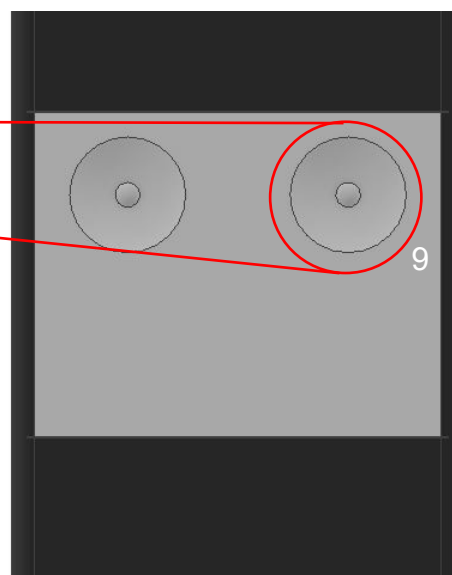
7



8



fig. 6



9



Your Flatlift system is equipped with a Siemens logo PLC control. This controls the sequence of the individual movements. In addition, various settings can be made on the controller to adjust the lift system or to check the current status of the system.

Navigation in the menu of Siemens Logo:

You can use the cursor keys on the logo control to move through the information and programming menu. When the controller is started, the display will show a display with the flatlift, lift model and version number of the software. To move around the menu, press the **"Down"** cursor once. The display changes to the date / time display. To check the **status of the system**, press the cursor **"Right"** once. The display should show (page **1/9**). The page is displayed in the upper right corner of the display. This page displays the **Inputs** of the system. Depending on the lift system, certain inputs must be switched (**black background**) for the system to work properly. The following list can be used to test the Flatlift:



Inputs:

- I-1: Extend signal: Can be used to check if the extend signal is present. (e.g. if the "Extend" button is pressed on the hand-held transmitter.)
Start state: off
- I-2: Retract signal: Can be used to check if the retract signal is present. (e.g. when the "Retract" button is pressed on the hand-held transmitter.)
Start state: off
- I-3: Feed open signal: Can be used to check if the feed open signal is present.
Start state: off
- I-4: Flap up signal: Can be used to check if the "Flap up" signal is present.
Start state: on



Functional sequence:

Up and swivel:

Pressing the "UP" button switches input 1 (I - 1). If I - 4 is present, the system will move out. When the lift has reached the front end position, I - 3 is switched. The system now swivels out the flap.

Swivel to zero position and move down:

I - 2 is switched by pressing the "Retract" button. The system pivots the flap back until I - 4 is switched. The system then retracts again.

Set parameter:

If you are in the information level of the Siemens controller, you can switch to programming mode by pressing the "ESC" key. Now proceed as follows:

Select "Programming" -> "OK" button

Select "Parameterize" -> "OK" button

Select the parameter to be set -> "OK" button

Press the "OK" button to change the parameter with the cursor keys. If the value is set, confirm with "OK". You can exit the parameter and the programming menu by pressing the "ESC" key several times.

Adjustable values:

Approach from "Flap closed":

If the lift moves to the "Flap closed" position, the position can be set using the "Flap closed" module. In this parameter you can set the time that elapses before the switch transmits the signal to the controller. That means: If the lift stops too early you have to increase the time, if it stops too late you have to reduce the time.

Operation via the Siemens logo control:

You can control the movements of the system, for maintenance and set-up purposes, via the logo control. For this, you must be in the display, either on the start screen (Flatlift logo) or on the (page 9/9) in the information menu.

Now the "ESC" key and the respective cursor key must be pressed together.

Attention: in this operation, the positions are not queried. Attention must be paid to possible collisions.

Cursor key assignment:

Cursor "up": Signal "Flap closed"

Cursor "Down": Signal "Clap open"

Cursor "Left": Signal "Feed close"

Cursor "Right" : Signal "Feed up"



Teaching in the hand transmitter:

You can get additional handheld transmitters for your system.
Since the transmitters are coded, you must teach them in.

1. Remove the cover (Fig.11 No.1) on the radio receiver to access the programming buttons.
2. Press the left button (Fig.11 No.2). An LED (Fig.11 No.3) flashes slowly.
3. While holding down the programming button, press the first button on the handheld transmitter at the same time (Fig.12 No.4). The LED (Fig.11 No.3) now flashes quickly after the hand transmitter recognition.
4. Release all buttons.
5. To read in the second channel, repeat the process from step 2 using the second button on the handheld transmitter (Fig.12 No. 5).

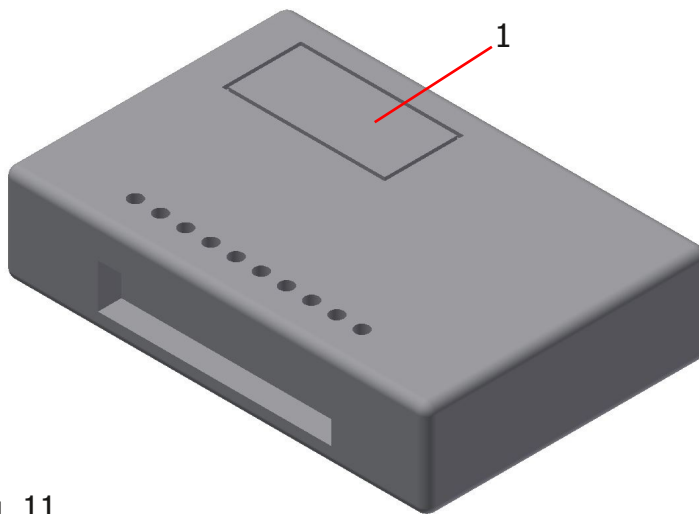


fig. 11

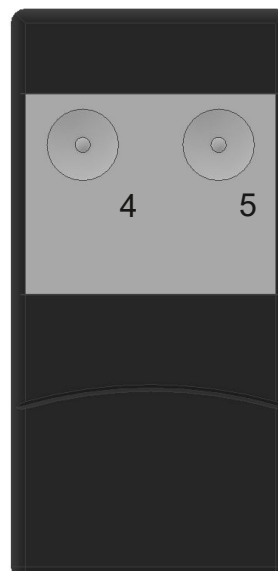
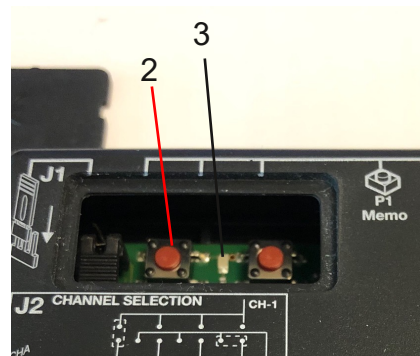


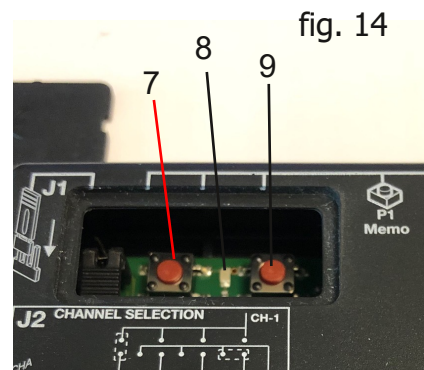
fig. 12

! Important ! Please only with the left programming button learn
The right button is for deleting.

**Reset the radio receiver:**

It can happen that the stored transmitter codes in the receiver are lost.
In this case, the recipient must be deleted.

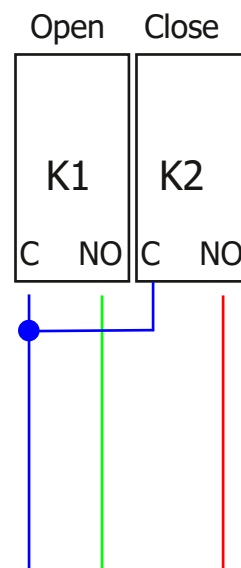
1. Remove the cover (p.09 Fig.11 No.1) on the radio receiver to access the programming button.
2. Simultaneously press both programming buttons (fig. 14 no.7 + 9) until the LED (Fig.14 No.8) flashes quickly. This is the sign of the successful deletion.
3. Now teach your handheld transmitter back in.
(See page 09)

**Connection to a room control:**

You can connect your Flatlift to a room control if it has 2 relay outputs with floating contacts. These relays must be operated for a programmable period of time.

- 1) Disconnect the radio receiver from the mains.
- 2) Disconnect the cables (terminals 2 - 4) on the radio receiver (fig. 4).
- 3) Now connect the blue and red wires to one of the relay outputs (lower control command Flatlift).
- 4) Bring the blue wire to the second relay output and connect the green wire to this relay output (lift the flatlift).

You can also use a new cable with RJ45 plug.
You can use the following pin assignment for this.



Pin 4 & 5 for	Remote
Pin 4 & 8 for	up
	down



Fault diagnosis:

If your Flatlift Pop-Up PS System does not work properly please check the following points:

Flatlift does not move

Is the power cord connected to the control box?

- > Check the mains connection
Are all plugs correctly plugged into the control box? (ATTENTION, incorrectly inserted plugs can damage the system)
- > Check all connections
Is damage to the cables, the control box, the handheld transmitter or the Flatlift visible?
- > Damaged components need to be replaced, please contact us
The Flatlift stops and can only be moved in the opposite direction
- > Is your Flatlift fully extended?
- > top material too heavy?
- > Possibly radio channel deleted!
- > Programming error on the room control!
- > Endpoints wrongly set!

Have you equipped the Flatlift with a too heavy TV or top material?

- > Relieve the Flatlift and try again
Is the radio transmitter transmitting?
- > If necessary, replace the battery of the remote control
Does the receiver receive?
- > When operating the radio transmitter, a "click" should be heard from the relays on both channels.
(If not, delete channels and re-learn them, see page 14 + 15)

Jerky / stuttering process of the lift?

- > Please check if a radio source is transmitting 433 Mhz in the vicinity of your house
(possible sources of interference: garage door opener, baby monitor, alarm system or intercom)

With a radio interference source you have to convert to a frequency of 868 MHz!

Free conversion from 433 Mhz to 868 Mhz is only possible within the first 7 days from the delivery date. If this point is available to you, please contact us.

If you have a problem during commissioning or have a problem, you can contact us by phone or email: Customer Service:

By Email: service@flatlift.de

By phone during our service hours from 8:30 am to 4:30 pm (CET) at +49 (0) 62 41 - 30 56 00

Always have the following information ready for us or email us with:

- > your customer number
- > invoice number or delivery note number
- > Date of purchase of your Flatlift
- > Name of your Flatlift system