



Operating manual Extra Flat 43/50



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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:

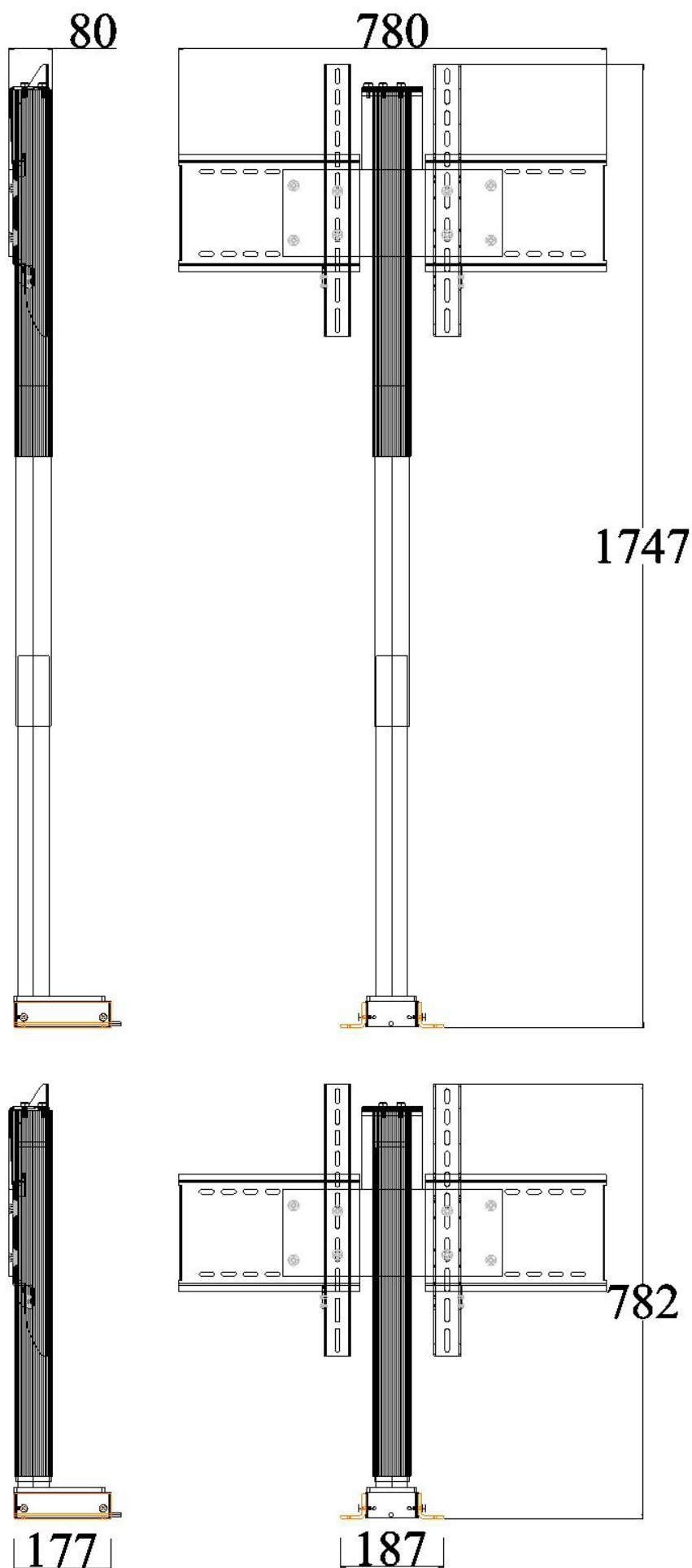
- > Installation base
W = 187mm D = 177mm
- > Installation dimensions Flatlift
W = 780mm D = 80mm H = 782mm
- > stroke 965mm
- > lifting speed 38mm / sec
- > TV weight max. 45kg / 450N / including case
- > TV size 43-65" (inches)
(maximum possible TV size in mm: W = *, H = max 916mm, D = *)
- > duty cycle 5%
- > Soft Start / Soft Stop
- > Low noise level
- > ambient temperature + 5 ° C to 40 ° C
- > Connection to room control possible (see p.10)
- > TV limit switch (optional)
- > millimeter programming of the endpoints (optional)
- > 230V emergency power supply (optional)

Delivery:

- > Flatlift Pop-Up 43/50" Extra Flat
- > control box
- > 230V power cable
- > Motor cable
- > 433.92 MHz 2 channel radio receiver
- > 433.92 MHz 2 channel radio transmitter
- > 4x spacer sleeve

* not relevant

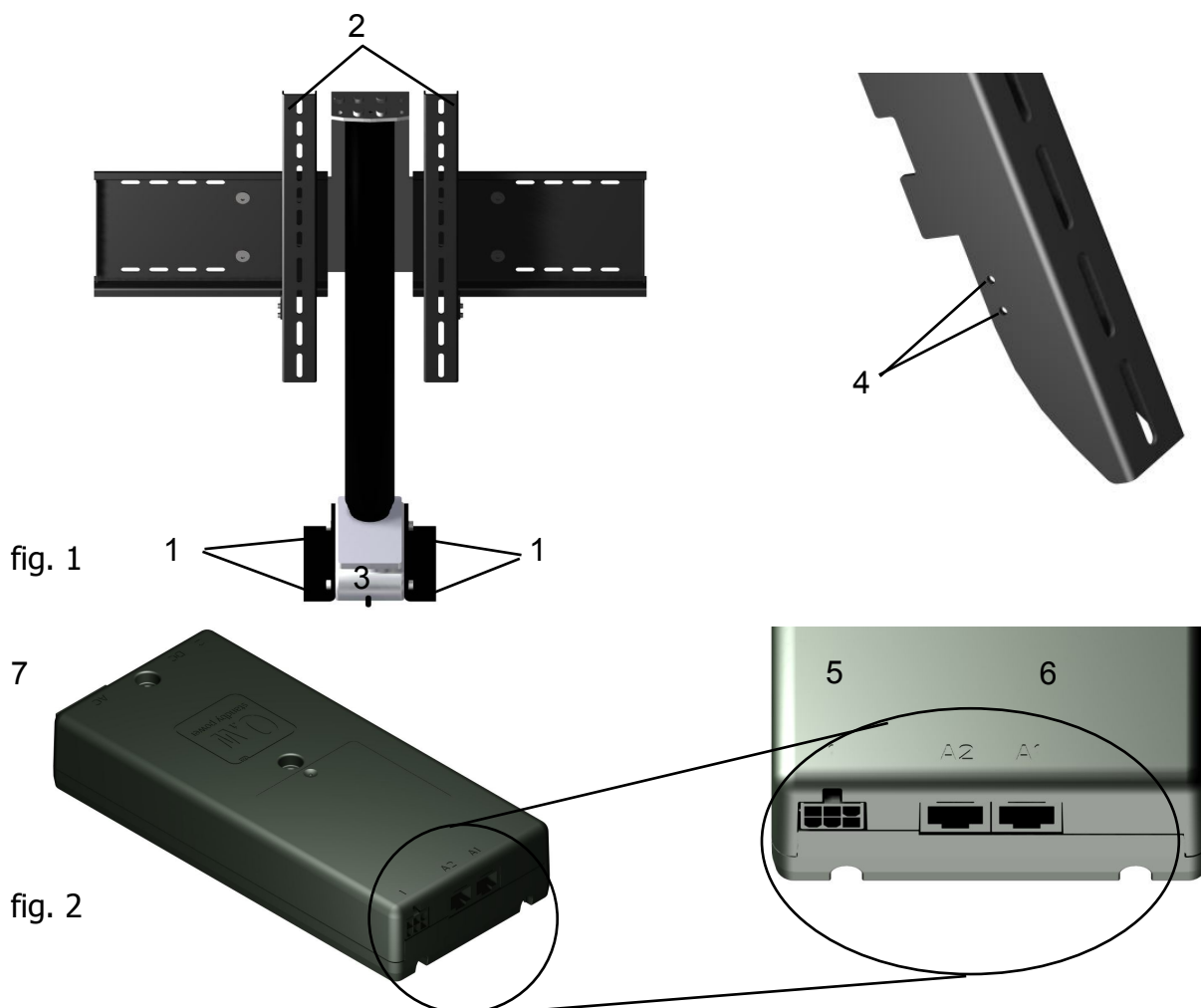


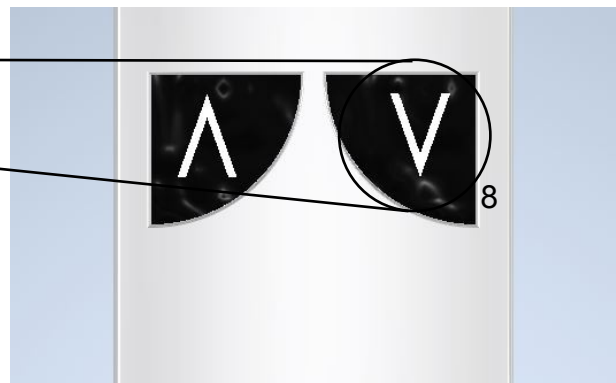
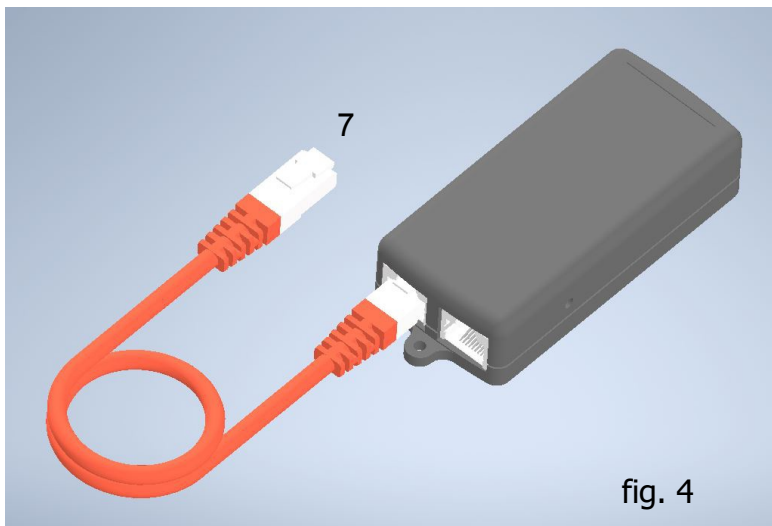
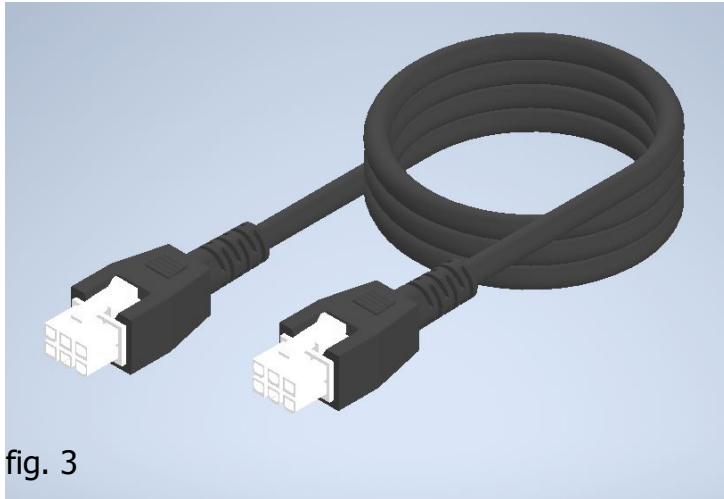


**Initial setup:**

1. Attach your Pop-Up Stand to the floor with 4 screws (Fig.1 No.1) to prevent tilting of the system.
2. Connect the Flatlift (Fig.1 No. 3) with the motor cable (P.07 Fig. 3) and this with the control box (Fig. 2 No. 5) at connection "1". Motor cables must be connected starting from port 1 in ascending order.
3. Connect the RJ45 Western plug of the radio receiver (P.07 Fig.4 No.7) to the control box (Fig.2 No.6).
4. Connect the control box (Fig.2 No. 7) to the mains voltage with the mains cable (P.07 Fig.5).
5. The left button on the remote control (P.07 fig.6) is for the "up" movement and the right for the "down" movement.
6. Initialize the Flatlift by pressing the "Down" button on the transmitter (S.07 Fig.6 No.9) for 2x5 sec. Afterwards you drive your Flatlift 2x completely off and on again.
7. Your Flatlift is now ready for use as the lift endpoints have been saved in the control box.
8. You can now mount your TV set on the system. To do this, hang off the two brackets (Fig.1 No.2). Attach these, together with the supplied spacers, to your TV and secure the holders after re-attaching the TV set by screwing in the safety screws (Fig.1 No.4).

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





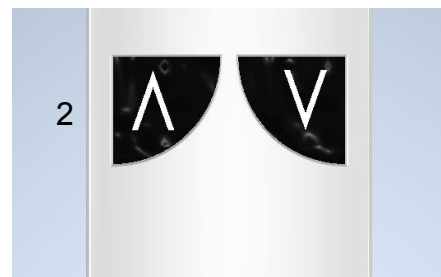
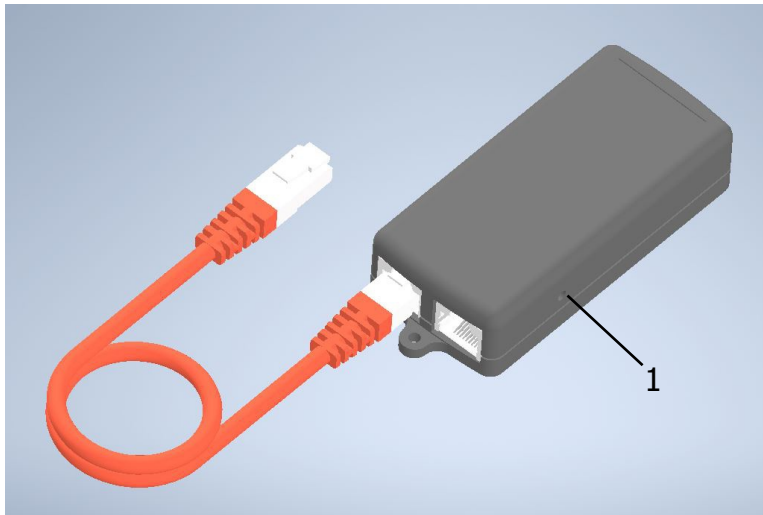


Teaching in the hand transmitter:

Since the transmitters are coded, you must teach them in.

- 1) Press and hold the learn button on the side of the receiver (1).
- 2) Press a button on the hand transmitter (2).
- 3) Release both buttons.

If your handheld transmitter has been successfully taught in, you should move the system when you press the buttons.





Connection to a room control:

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

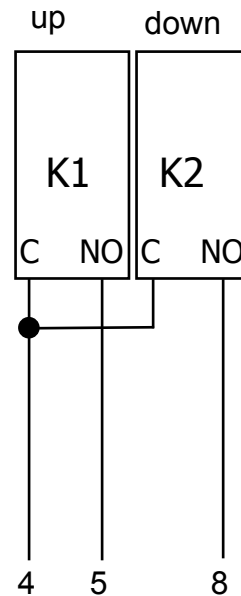
1. Use a cable with RJ45
Connection (e.g. a network cable).

2. Connect the wires to your relay like represented in the scheme.

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

Wire colors for standard patch cables

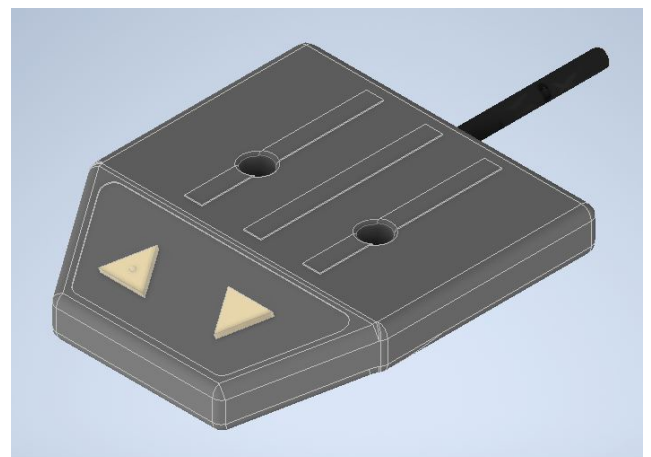
4 = blue
5 = blue / white
8 = brown



Programming the lifting height:

The lifting height of the system can be programmed using an optionally available hand switch.

1. Connect the hand switch to the free RJ45 socket on the radio receiver (p.07 Fig.4).
2. Use the hand switch to move the system to the desired height.
3. Now move the system completely down with the radio remote control to save the position.
4. Now the height can be moved with the radio remote control and stops at the set point.
5. To change the programming drive
With the hand switch to another
Position. This is then called a new position
automatically adopted.



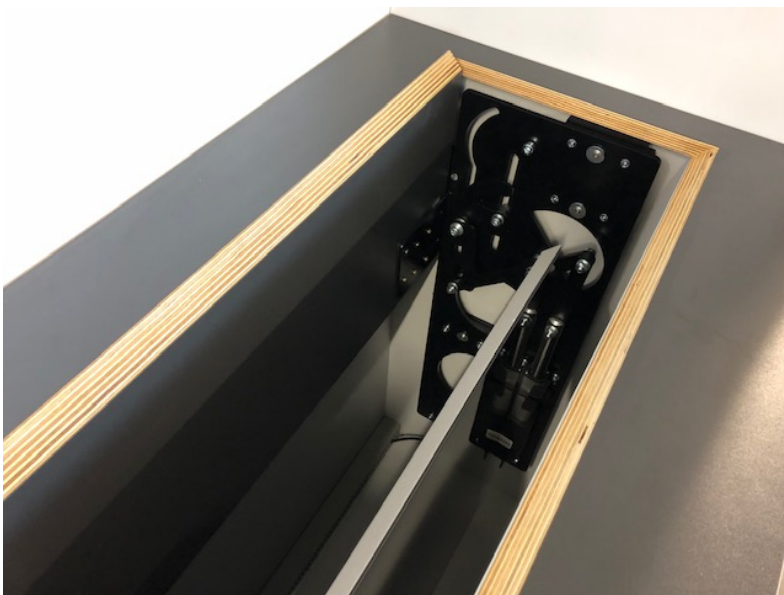


Lid Variation 1:

Here, the lid moves up with the Flatlift and stays on top of the TV. This is the so-called "floating top" lidding solution.

Depending on the customer's request, you can mount the lid on the Flatlift with the "Lid Fixing Brackets". These are to be attached to the TV mount as shown in Fig.4.





Lid Variation 2:

The lift systems of the Extra Flat Series can also be equipped with the Flatlift Lid-O-Matic Systems.

By using the Lid-O-Matic a switch box opens first controls the Lid-O-Matic Flap of the furniture. When flap is open then the Flatlift goes up.



Installation recommendation for furniture integration:

The 43/50" Flatlift Pop-Up Extra has a stroke of 965mm. Since there are different installation options for the system, we clarify here how the system is best placed in cabinet assembly.

For cabinet or furniture installation, the following rule applies:

There must be at least 10mm clearance under the TV attached to the Flatlift. This clearance is always required during the initialization run. At least 10mm space must be kept above the TV. Is the Flatlift complete extended, we recommend as min. Dimension between bottom edge TV and surface furniture 10mm.

This results in the following TV Calculation formula:

Lifting height of lift = 965mm - 3 x 10mm min.
Distance - (12 to 19mm) Cover thickness =
916mm

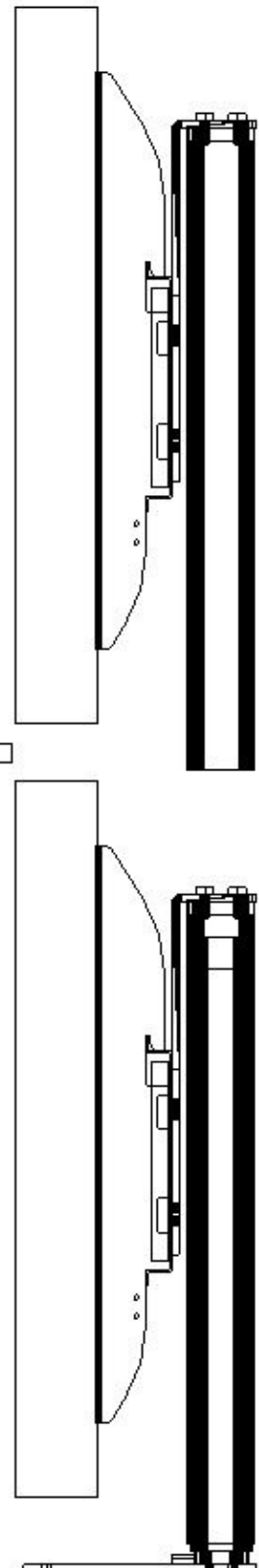
916mm = max. TV height

If your TV set is larger or you need more stroke, we recommend the next larger Flatlift, the 52/60 Flatlift Gold with 1330mm stroke.

min. 10 mm

min. 10 mm

min. 10 mm



**Fault diagnosis:**

If your Flatlift Pop-Up Extra Flat 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 8 + 9)

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