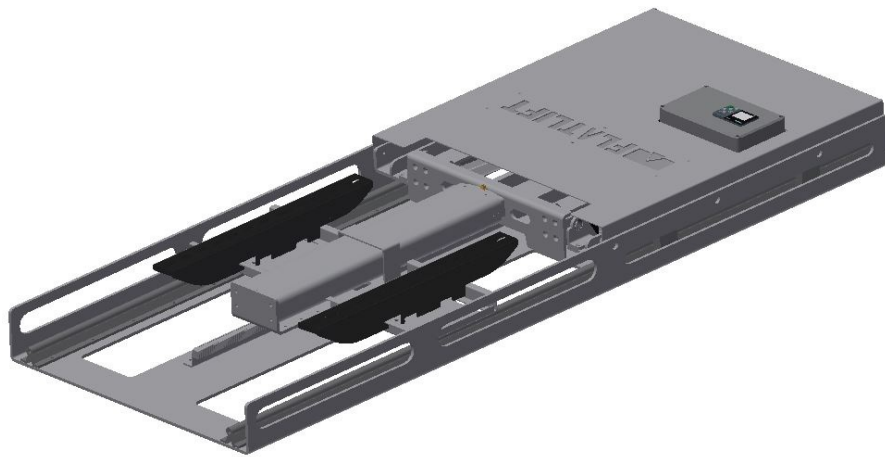




Manual Underbed 65"



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-> C.02	Features	
-> C.03	Product dimensions	
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Intended Use

The product is designed for TV underbed integration. 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.



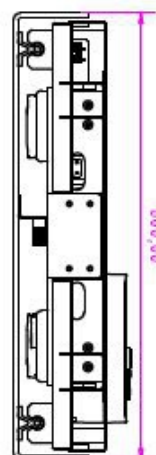
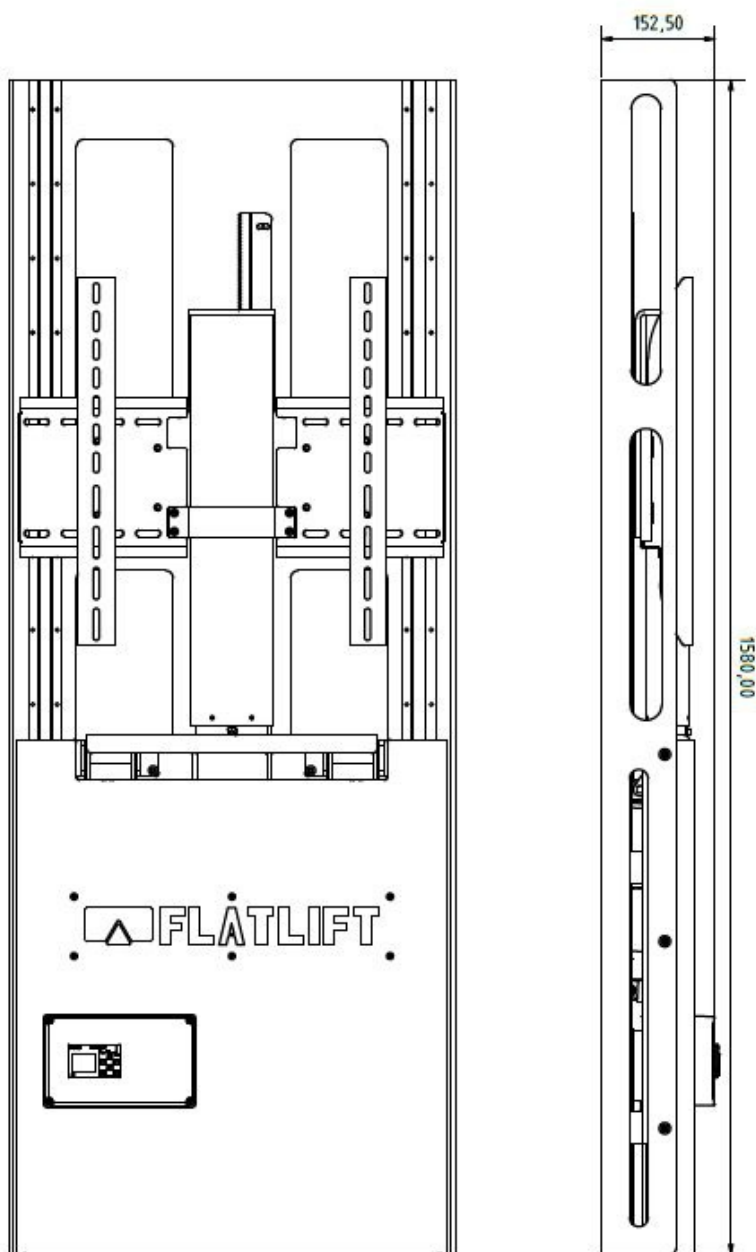
Features:

- > Installation dimensions Flatlift
W=600mm D=1580mm H=152mm
- > Feed 1037mm
- > Swivel angle 90
- > stroke 665mm
- > Lifting speed 38mm/sec
- > TV weight max. 30kg / 300N / including recasing
- > TV size up to 65" (inch)
- > 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)
- > Programming of end points accurate to the millimeter
- > 230V emergency power supply (optional)

Scope of delivery:

- > Flatlift Underbed 65"
- > control box
- > 230V power cable
- > motor cable
- > 433,92 MHz 2 channel radio receiver
- > 433,92 MHz 2 channel radio transmitter
- > Siemens Logo PLC control
- > Platinum Light Upgrade programming cable
- > External Cabelchain







Initial setup:

1. fasten your flat lift to the floor with at least 4 screws to prevent the system from slipping.
2. connect all connections of the flat lift according to the cable label.
3. Connect all connections of the flat lift according to the cable labeling.
4. Connect the system to the mains voltage.

4. key assignment of the remote control:

Left: Extend Right: Retract

Initialize the flat lift by pressing the "retract" button on the transmitter (p.07 fig.6 no.9) for 2 x 5 sec. then extend and retract your flat lift 2x completely. If the system does not react to the radio commands, you can check the inputs of the system at the Siemens Logo control (see page 9).

6. Your flat lift is now ready for operation, as the lift end points have been stored in the control box.

7. You can now mount your TV set on the system. To do this, extend the lift.

To do this, unhook the two brackets (Fig.1 No.2). Attach them to your TV and secure the TV and secure the brackets by screwing in the safety screws (fig.1 no.2). 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.

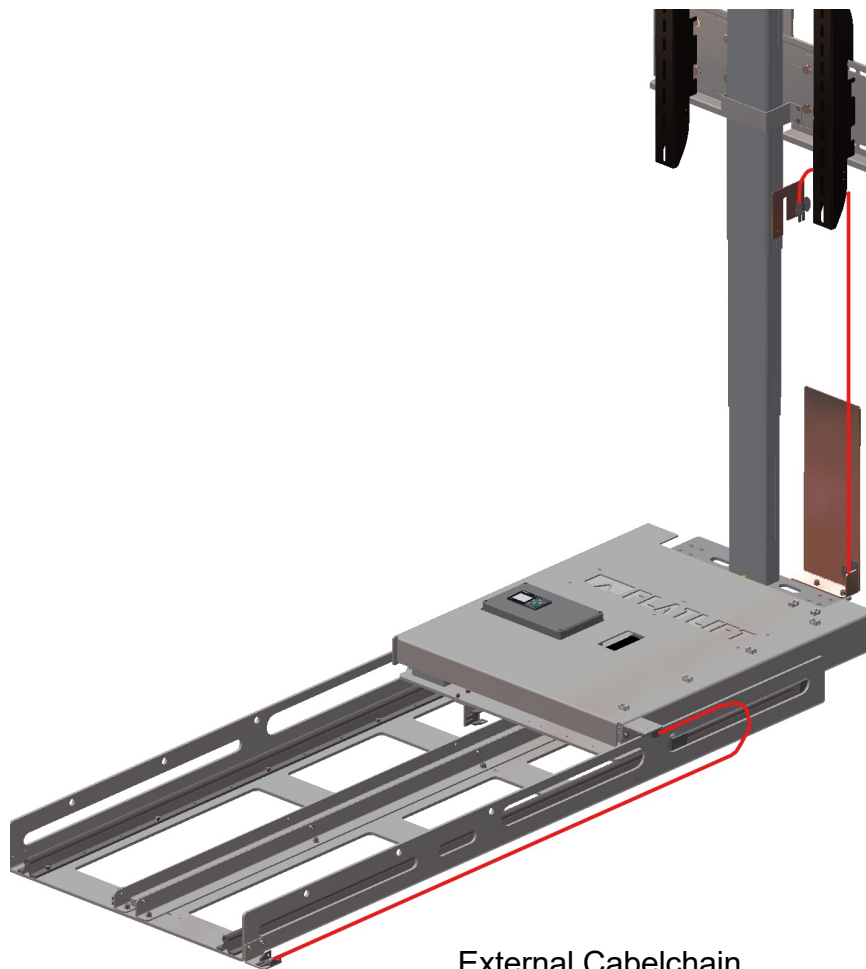




Abb. 5

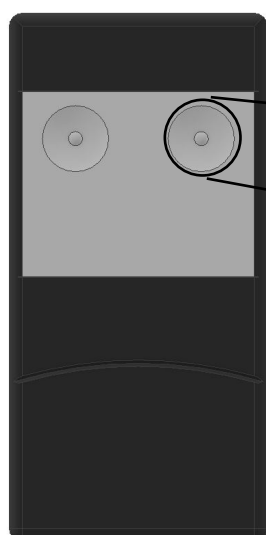
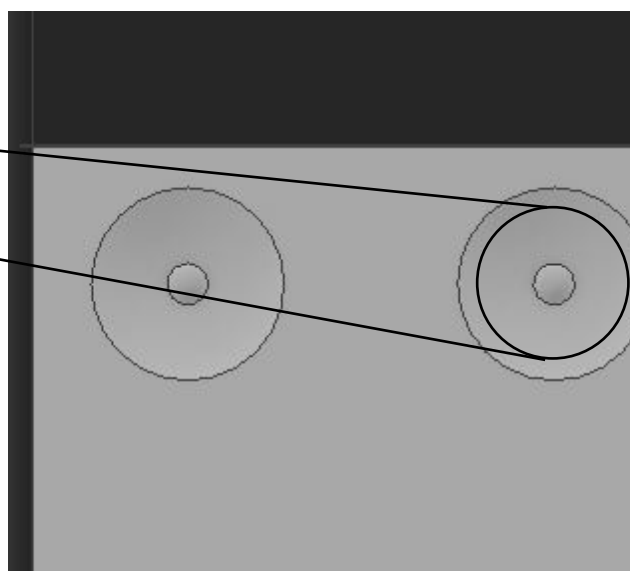


Abb. 6



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 control to adjust the lift system or to check the current status of the system.

Navigation in the menu of the Siemens Logo:

Use the cursor keys on the Logo control to move through the information and programming menu. When the control is started, the display shows Flatlift, lift model and version number of the software. To move around in the menu, press the "Down" cursor once. The display changes to the date/time display. To be able to check the status of the system, now press the cursor "Right" once. The display should show page 1/9. The page is shown at the top right of the display. This page shows the inputs of the system. Depending on the lift system, certain inputs must be switched (highlighted in black) for the system to function properly. The following list can be used to check the lift:

Eingänge:

I-1: Signal Extend: Start state: OFF	Can be used to check whether the "Extend" signal is present. (e.g. when the "Extend" key is pressed is pressed on the handheld transmitter).
I-2: Signal retract: Start state: OFF	Can be used to check whether the "Retract" signal is present. (e.g. when the "Retract" key is pressed on the hand-held transmitter).
I-3: Signal Lift front: Start state: OFF	Can be used to check whether the signal "Lift front" is present. (When the lift is advanced).
I-4: Signal 90°: Start state: OFF	Can be used to check if the signal "90°" is present. (When the lift is erected).
I-5: Signal lift down: Start state: ON	Can be used to check if the signal "Lift down" is present. (When the lift reaches the lower position).
I-6: Signal 0°: Start state: OFF	Can be used to check whether the signal "0°" signal is present. (When the lift is horizontal.)

**Function sequence:****Extend:**

Pressing the "Extend" key switches input 1 (I-1). The system extends until I-3 is switched. The lift is moved 90° vertically until I-4 is reached. The lift is raised.

Retract:

Pressing the "Retract" key switches (I-2). The system moves down until I-5 is switched. The lift is moved horizontally until I-6 is switched. The system retracts.

Set parameters:

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

Select "Programming" -> key "OK".

Select "Parameterize" -> key "OK".

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

Press the "OK" key to be able to change the parameter with the cursor keys. When the value is set, confirm with "OK". Press the "ESC" key several times to exit the parameter and the programming menu.

**Operation via the Siemens Logo control:**

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

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

Cursor key assignment:

Cursor "Up": "Extend" signal

Cursor "Down": "Signal "Retract"



Setting the lifting height:

The lift height is adjusted by programming the control box. This requires the Platinum Light Upgrade programming cable (PLU) and associated software.

Download link:

<https://flatlift.com/FLATLIFT-MC46.zip>

In order to be able to set the extension travel, this must first be determined.

To do this, measure the system at the same point when retracted and when extended. Then calculate:

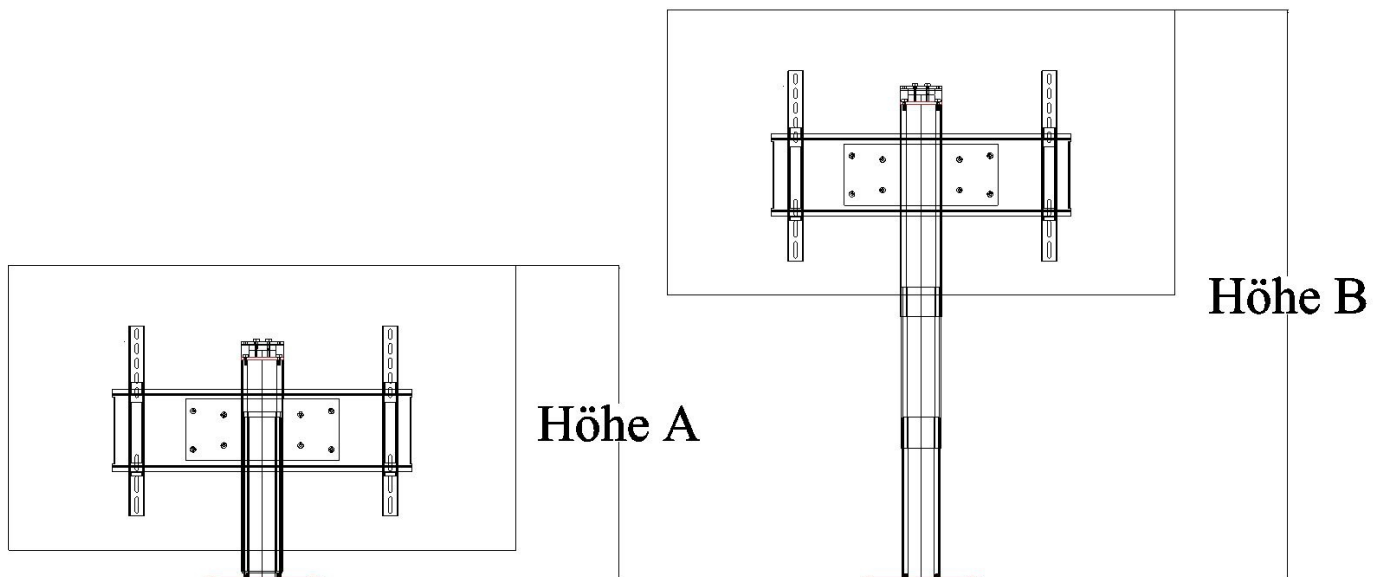
Height B - Height A

e.g.

Height A= 600mm

Height B= 1000mm

$1000\text{mm} - 600\text{mm} = 400\text{mm}$



Before programming the end positions, you should have read the instructions for the PLU. This is loaded with the software.

Observe the type plate of the control box.

For control boxes of type CBD4 use the application:

FLATLIFT-CBD4-configurator-1.0.1-flatlift-setup.exe

For CBD6S type control boxes use the application:

Flatlift-CBD6S-configurator-1.0.0-advanced-setup.exe

Set the calculated value (in the example 400mm) according to the PLU operating instructions on page 5 point 7. Furthermore, the value parameter 1 must be set on page 12. Always set one counter less here than was calculated.

(In the example $400 - 1 = 399$)

Now follow the remaining steps in the instructions to complete the programming.



Teach-in handheld transmitter:

You can obtain additional handheld transmitters for your system.
Since the transmitters are coded, you must program them. 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) will flash slowly. 3.

While keeping the programming button pressed, simultaneously press the first button on the handheld transmitter (Fig.12 No.4). The LED (Fig.11 No.3) will now flash quickly after the handheld transmitter has been detected. 4.

Release all keys. 5.

To read in the second channel, repeat the procedure from step 2 using the second button on the handheld transmitter (Fig.12 No.5).

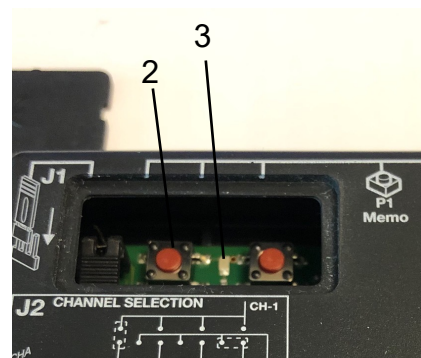
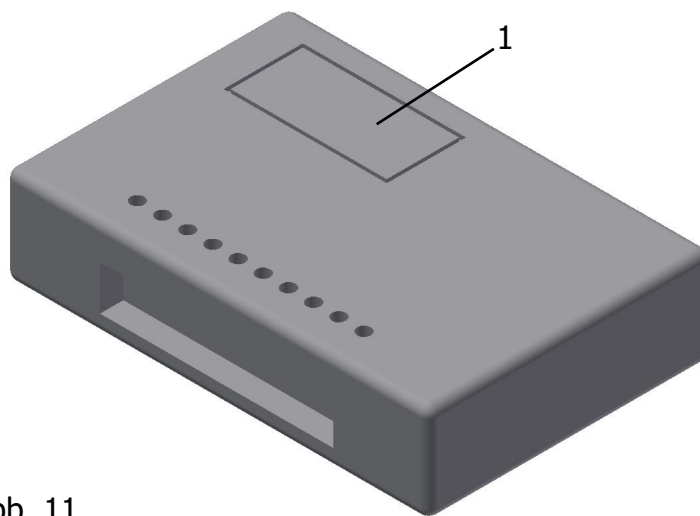


Abb. 11

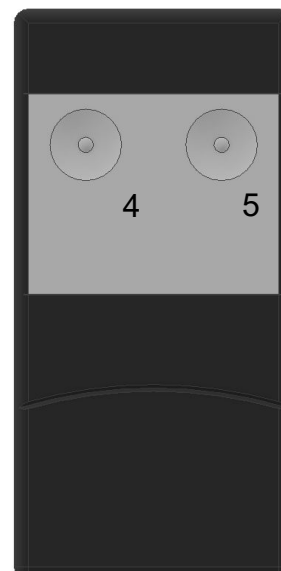


Abb. 12

! Important ! Please only program with the left
programming button
teach-in
The right button is only for deleting.



If your handheld transmitter has been read in successfully, you should hear a soft click in the receiver when you press the click in the receiver.

In the case of a handheld transmitter with four radio channels, with the top two buttons on radio module 1 and the bottom two on module 2.

Note that the slider on the right side of the handheld transmitter (Fig.13 No.6) is in the lowest position.

The jumper position should also be checked.

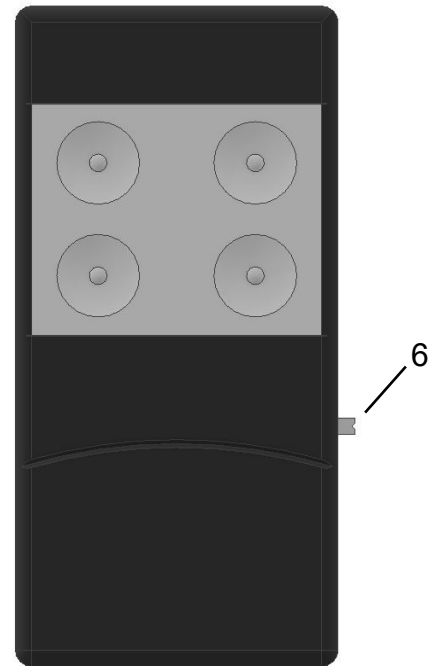
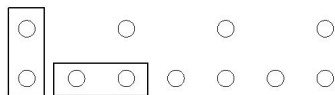


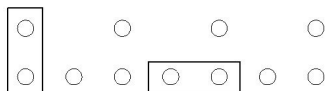
Abb. 13

Jumperstellung



2-Kanal

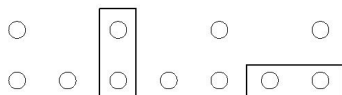
Jumperstellung



4-Kanal

Funk 1

Jumperstellung



4-Kanal

Funk 2



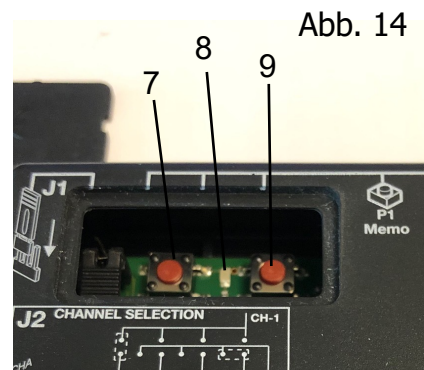
Reset of the radio receiver:

It may occasionally happen that the transmitter codes stored in the receiver are lost. In this case, the receiver must be deleted. 1.

Remove the cover (p.14 Fig.11 No.1) on the radio receiver to access the programming buttons. 2.

Press both programming buttons (Fig.14 No.7 + 9) at the same time until the LED (Fig.14 No.8) flashes quickly. This is the sign for the successful deletion. 3.

Now reprogram your handheld transmitters.
(See p.14 for this)

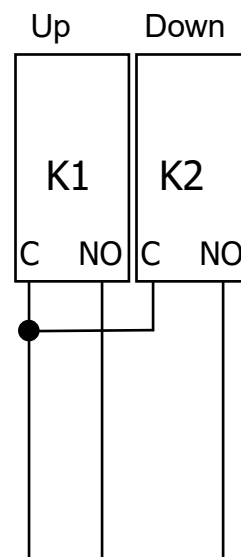


Connection to a room control:

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

- 1) Disconnect the radio receiver from the power supply.
- 2) Disconnect the cables from the radio receiver by opening the terminals (Fig.3 No.3).
- 3) Now connect the blue and red wires to one of the relay outputs (control command lower flat lift).
- 4) Bridge the blue wire to the second relay output and connect the green wire to this relay output (raise flatlift).

You can also use a new cable with RJ45 connector. For this you can use the following pin assignment:



Pin 4 & 5 for lift
Pin 4 & 8 for lowering



Fault diagnosis:

If your Flatlift does not operate properly, please check the following items:

Flatlift does not move

Is the mains cable connected to the control box?

-> Check the mains connection

Are all plugs correctly inserted into the control box? (ATTENTION, incorrectly inserted plugs can damage the system)

-> Check all connections

Is there any visible damage to the cables, control box, handheld transmitter or flat lift?

-> Damaged components must be replaced, please contact us

The flatlift stops and can only be moved in the opposite direction

-> Is your Flatlift fully extended?

-> TV too heavy?

-> Possibly radio channel deleted!

-> Programming error!

-> End points incorrectly set!

Have you equipped your flat lift with a TV that is too heavy?

-> Unload your flat lift and try again.

Is the radio transmitter transmitting?

-> If necessary, renew the battery of the hand-held transmitter.

Does the receiver receive?

-> When the radio transmitter is actuated, a "click" should be heard from the relays on both channels.

(If not, delete the channels and relearn them. See page 14 + 15)

Jerking / stuttering movement of the lift?

-> Please check if there is a radio source transmitting on 433 Mhz in the vicinity of your house.

(possible sources of interference: garage door opener, baby monitor, alarm system or intercom)

If there is a source of radio interference, you must convert to a frequency of 868 Mhz!

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

If you have a problem with the commissioning or there is a malfunction, you can contact us by phone or email:

Customer Service:

By email: service@flatlift.de

By phone during our service hours from 8:30-16:30 at +49 (0)62 41 - 30 56 00

Please always have the following information ready for us or send it to us by email:

-> Your customer number

-> Invoice number or delivery note number

-> Date of purchase of your Flatlift

-> Designation of your Flatlift system