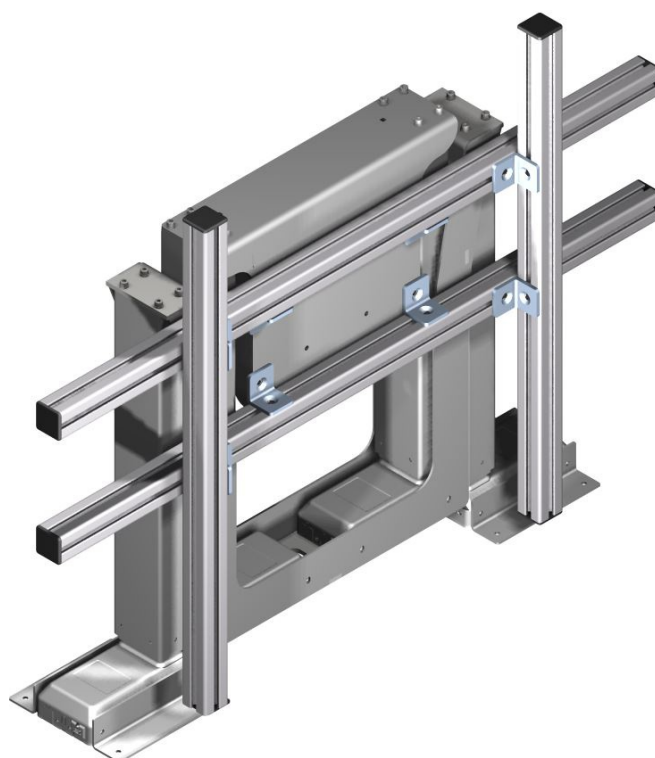




Operating manual 10109-H



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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.



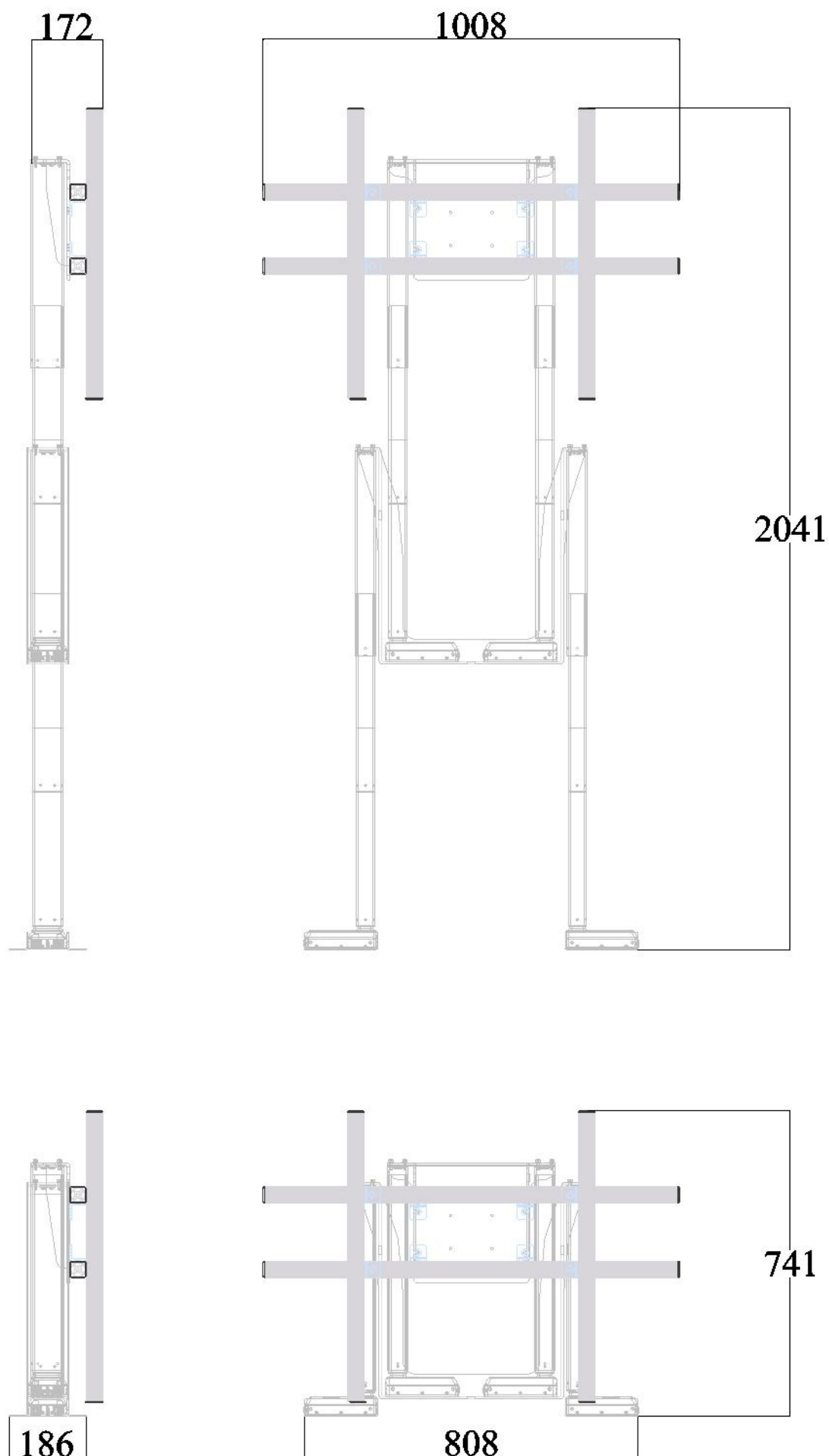
Merkmale:

- > Installation base
B=808mm T=186mm
- > Installation dimensions Flatlift
B=808mm T=94mm H=615mm
- > stroke 1300mm
- > lifting speed 76mm/sek
- > TV weight max. 75kg / 750N / including case
- > TV-Größe 60-75" (inches)
(maximum possible TV size in mm: W = *, H = max 1281mm, D = *)
- > duty cycle 5%
- > Soft Start / Soft Stop
- > Low noise level
- > ambient temperature + 5 ° C to 40 ° C
- > Connection to room control possible
- > TV limit switch
- > millimeter programming of the endpoints (optional)
- > 230V emergency power supply (optional)

Lieferumfang:

- > Flatlift Pop-Up Gold 60/75
- > 2x control box
- > 2x 230V power cable
- > 4x Motor cables
- > 433.92 MHz 2 channel radio receiver
- > 433.92 MHz 2 channel radio transmitter
- > TV limit switch



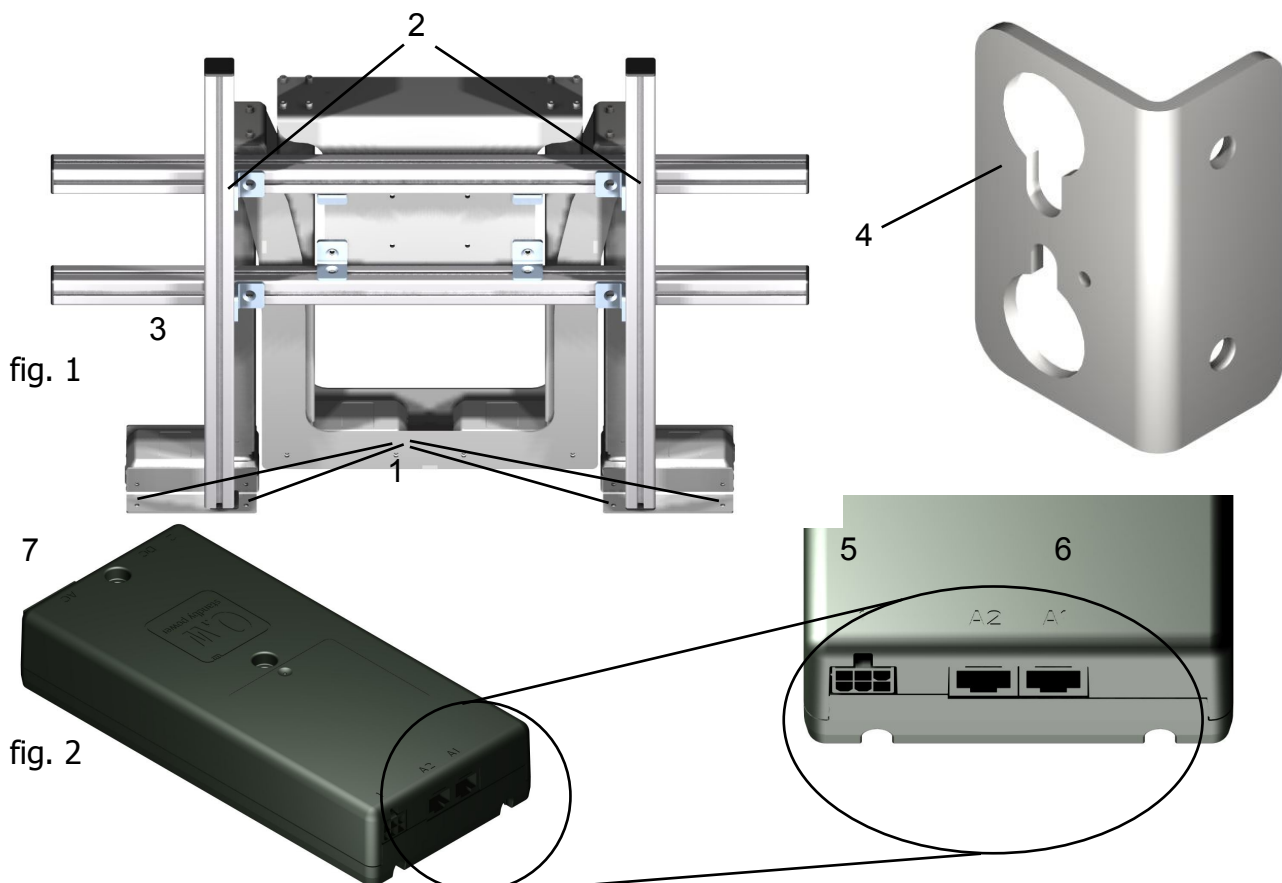




Initial setup:

1. Attach your Pop-Up stand to the floor with 8 screws (Fig.1 No.1), to prevent the system from tipping over.
2. Connect the Flatlift (Fig.1 No.3) with the motor cable (S.07 Fig.3) and this with the control boxes (Fig.2 No.5) at connection "1" - "2". Motor cables must be connected in ascending order starting from port 1.
3. Connect the control boxes with the patch cable at the connections "A2"
4. Connect the RJ45 western plug of the radio receiver (p.07 Fig.4 No.7) to a control box on port A1 (Fig.2 No.6).
5. Connect the control boxes (Fig.2 No.7) with the mains cable (P.07 Fig.5) to the mains voltage.
6. The left button on the remote control (p.07 Fig.6) is for the "up" movement and the right one for the "down" movement.
7. Initialize the Flatlift by pressing the "down button" on the transmitter (p.07 Fig.6 No. 9) for 2 x 5 seconds. Then fully extend and retract your Flatlift 2x.
8. Your Flatlift is now ready for operation because the lifend points have been saved in the control box.
9. You can now mount your TV set on the system. To do this, mount the aluminum struts on the system (Fig.1 No.2). Set the struts and keyhole receptacles to the required VESA dimension.
10. For TV sets over 100 kg, an adapter plate may have to be made.

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



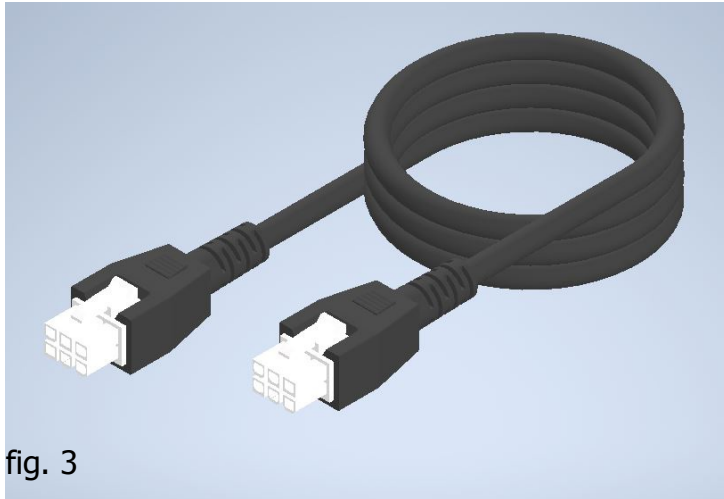


fig. 3



fig. 5

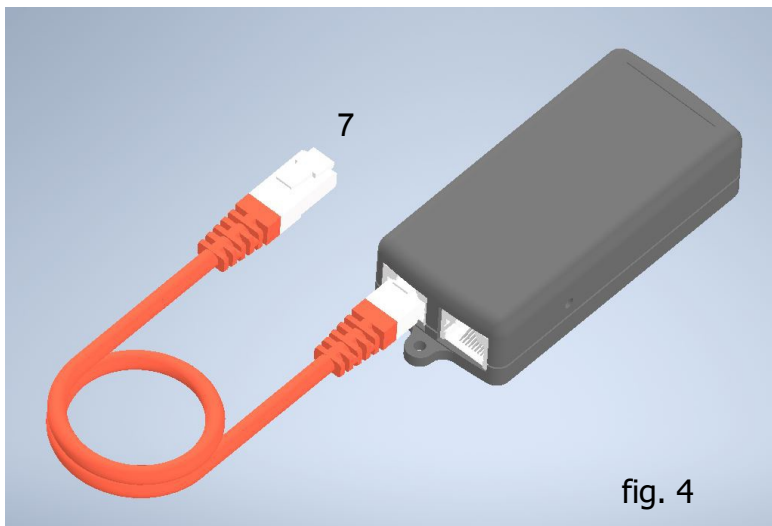
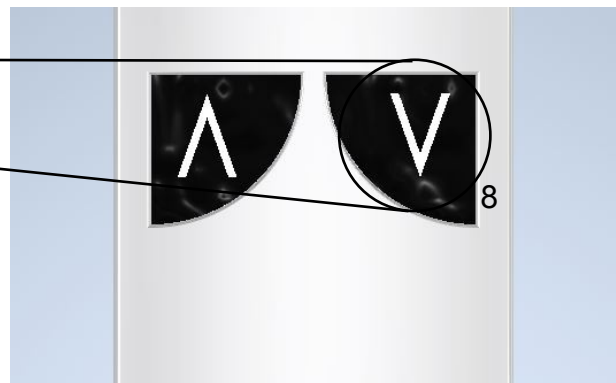


fig. 4



fig. 6



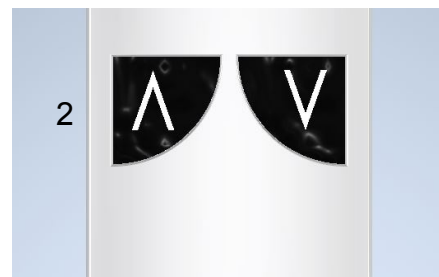
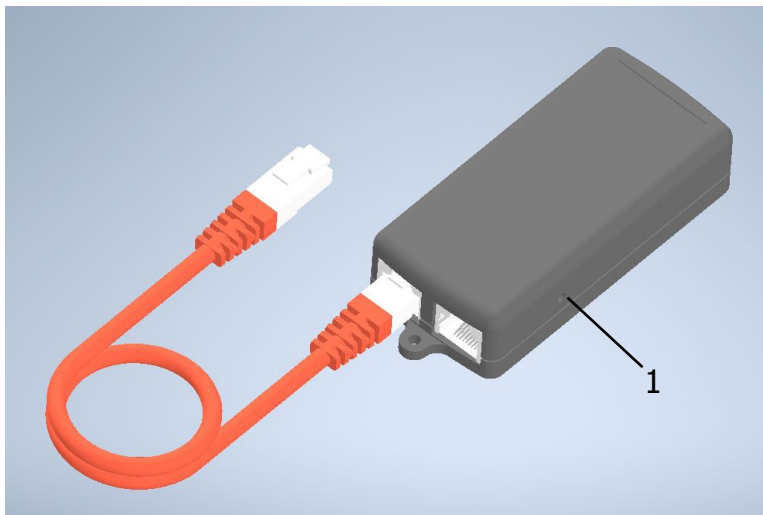


Teaching in the hand transmitter:

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.

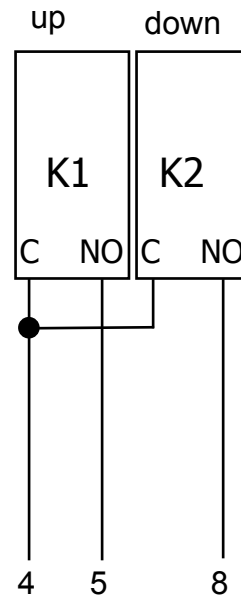
1. Use a cable with RJ45
Connection (e.g. a network cable).

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

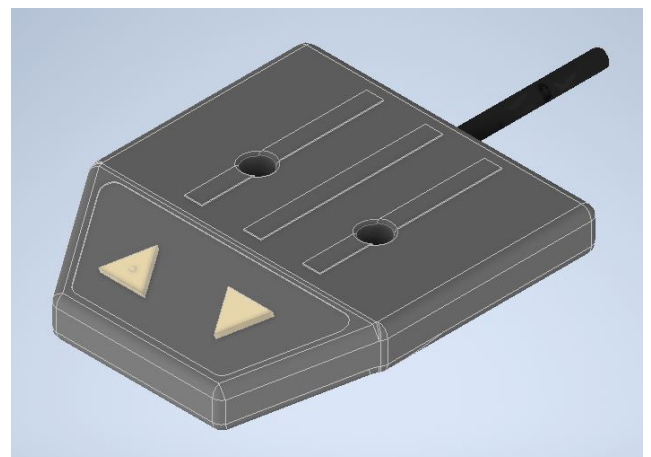
4 = blue
5 = blue / white
8 = brown



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.





Adjusting the lifting height:

The lifting height is set 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>

To be able to adjust the extension travel, this must first be determined.

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

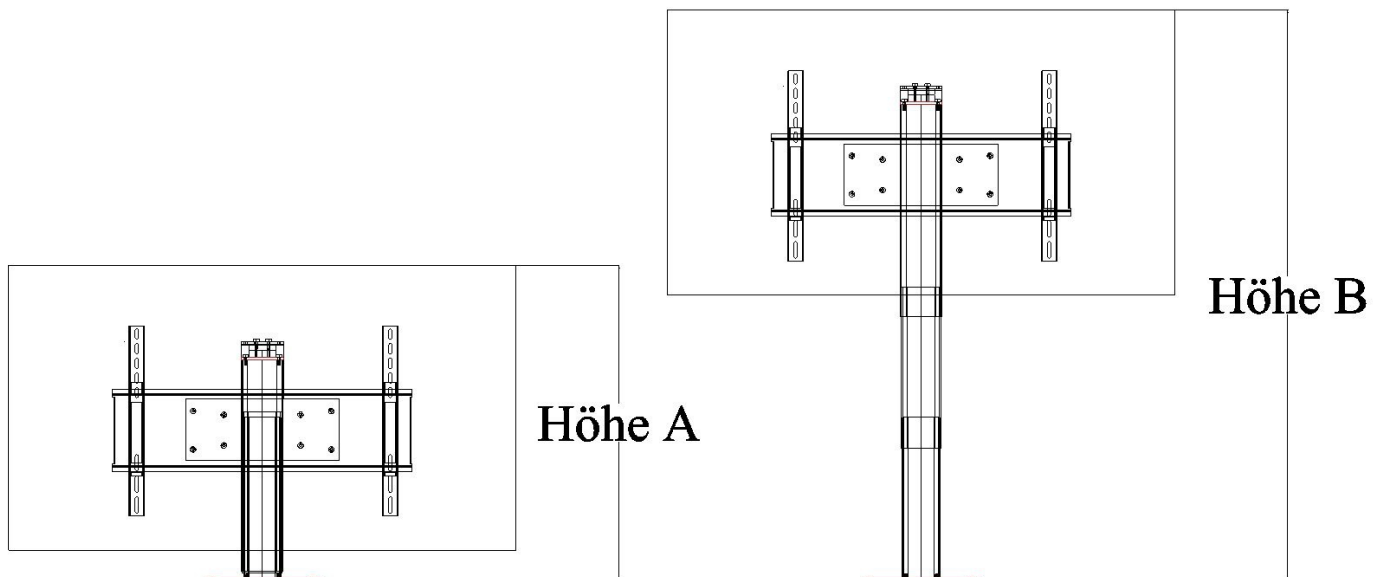
Height B - height A

e.g.

Height A = 600mm

Height B = 1000mm

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



Before programming the limit positions, you should have read the instructions for the (PLU). (included in the download)

Observe the nameplate of the control box.

For CBD4 boxes use the application:

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

For CBD6S 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 manual on page (5 point 7).

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



fig. 1

Lid Variation 1:

Lid flap mechanism mounted on the cabinet rear wall with spring-dampened pot straps, which are opened by the rising Flatlift. Depending on the project realization, there are a variety of lid flap solutions (fig. 1).

When the Flatlift is lowering, the lid closes gently through the spring-damped pot straps.





fig. 1

Lid Variation 1:

Lid flap mechanism mounted on the cabinet rear wall with spring-dampened pot straps, which are opened by the rising Flatlift. Depending on the project realization, there are a variety of lid flap solutions (fig. 1).

When the Flatlift is lowering, the lid closes gently through the spring-dampened pot straps.





Installation recommendation for furniture integration:

The 52/60" Flatlift Pop-Up Gold has a stroke of 1330mm. 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:

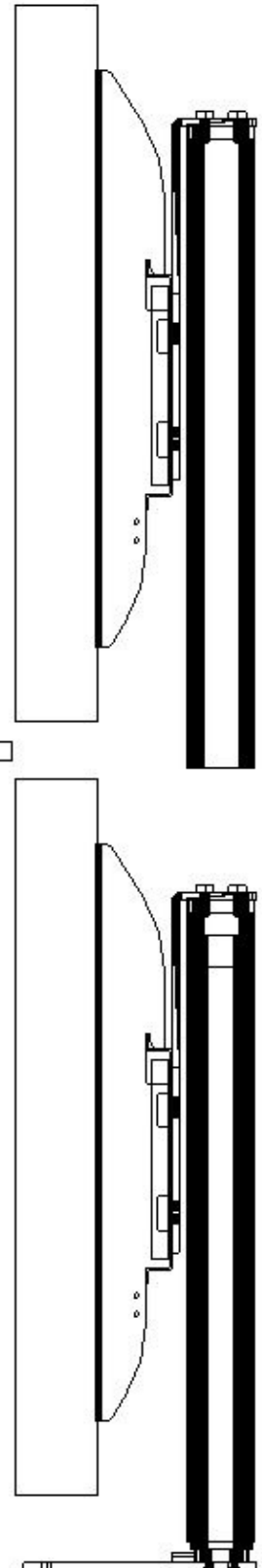
Lifting height of lift = 1330mm - 3 x 10mm min.
Distance - (12 to 19mm) Cover thickness =
1281mm

1281mm = max. TV height

min. 10 mm

min. 10 mm

min. 10 mm





Fault diagnosis:

If your Flatlift Pop-Up Silver 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