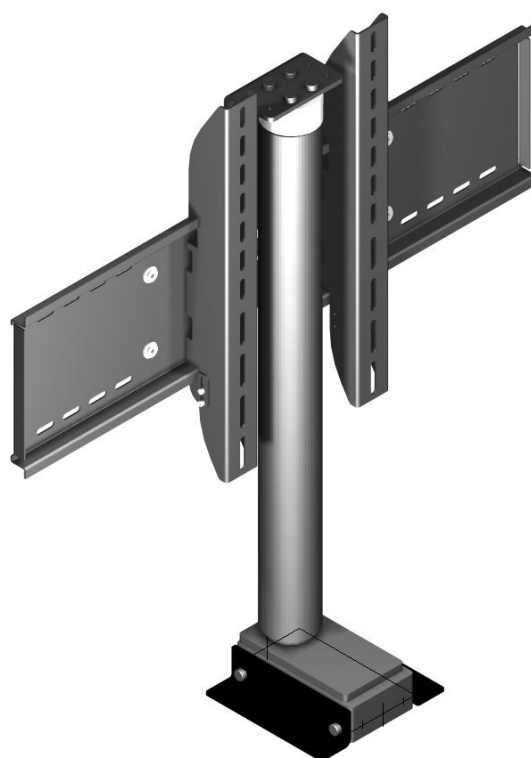




Operating manual

Extra Flat 43/50 360°

180° right / left manual swivel



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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:

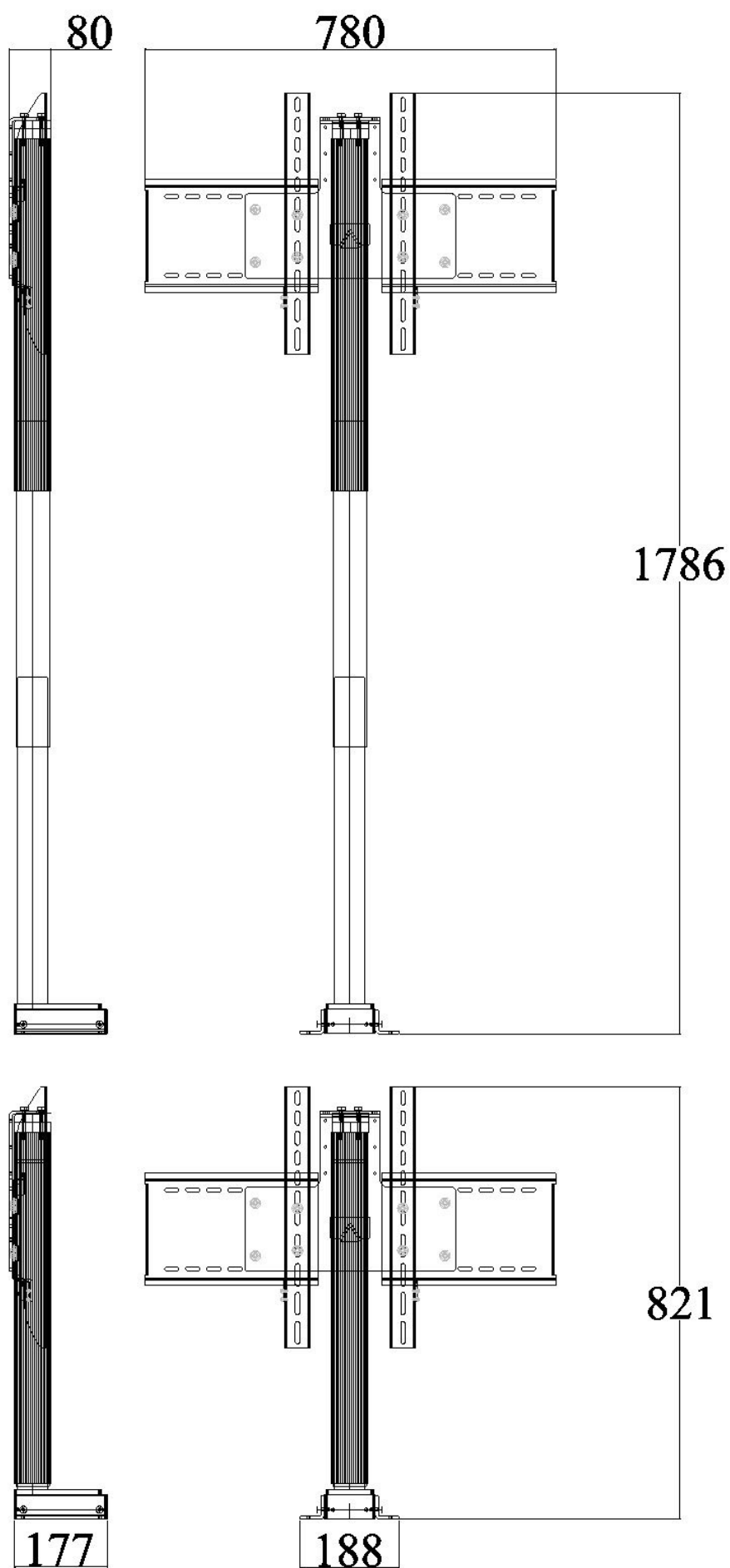
- > Installation base
W = 188mm D = 177mm
- > Installation dimensions Flatlift
W = 780mm D = 80mm H = 821mm
- > stroke 965mm
- > lifting speed 38mm / sec
- > TV weight max. 45kg / 450N / including case
- > TV size 43-65"(inches)
(maximum possible TV size in mm: W = *, H = max 916mm, D = *)
- > duty cycle 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 360°
- > 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
- > zero position switch
- > 4x spacer sleeve

* not relevant







Initial setup:

1. Fix your pop-up stand to the floor with 4 screws (fig. 1 no. 1) to avoid tilting 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) to connection "1".
3. Connect the RJ45 Western plug of the radio receiver (S.07 Fig. 4 No. 7) to the zero setting box (P.08 Fig. 7).
4. Connect the patch cable of the zeroing box to the control box (Fig.2 No. 6)
5. Connect the control box (Fig. 2 No. 7) to the mains voltage with the mains cable (P.07 Fig. 5).
6. Connect the plug-in power supply of the radio receiver (S.07 Fig. 4 No. 8) to the mains voltage.
7. The left button on the remote control (P.07 Fig. 6) is for the "up" movement and the right for the "down" movement.
8. Initialize the Flatlift by pressing the "Down" button on the transmitter (S.07 Fig. 6 No. 9) for 2 x 5 sec. Afterwards you drive your Flatlift 2x completely off and on again.
9. Your Flatlift is now ready for use as the lift endpoints have been saved in the control box.
10. You can now mount your TV set on the system. To do this, hang the two brackets (fig. 1 no. 2). Attach these, along with those supplied Spacer sleeves, to your TV and secure the holder after re-hanging of 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.

fig. 1

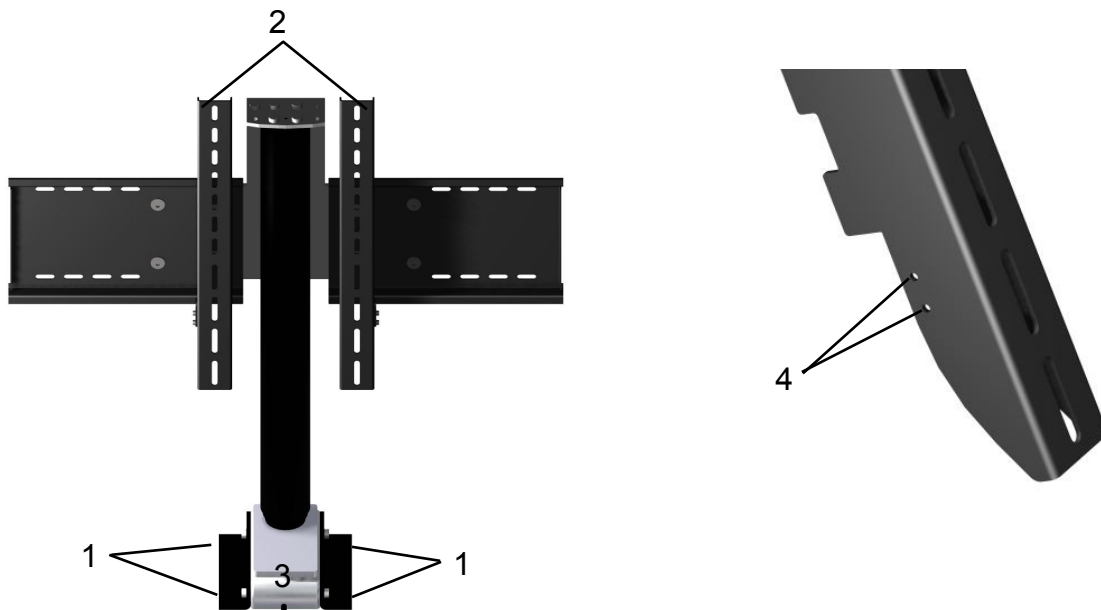
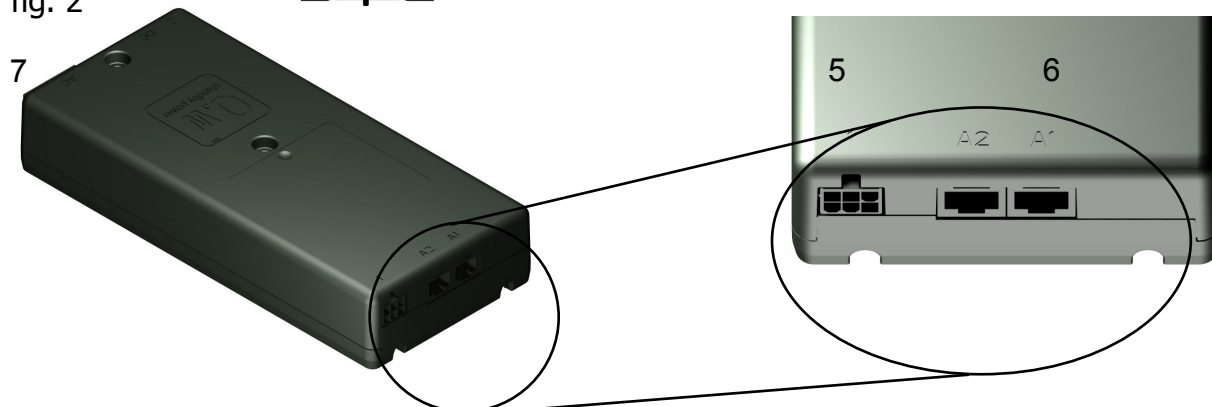


fig. 2



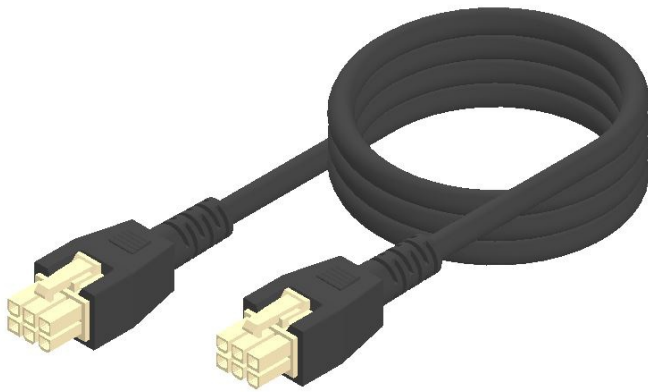


fig. 3



fig. 5

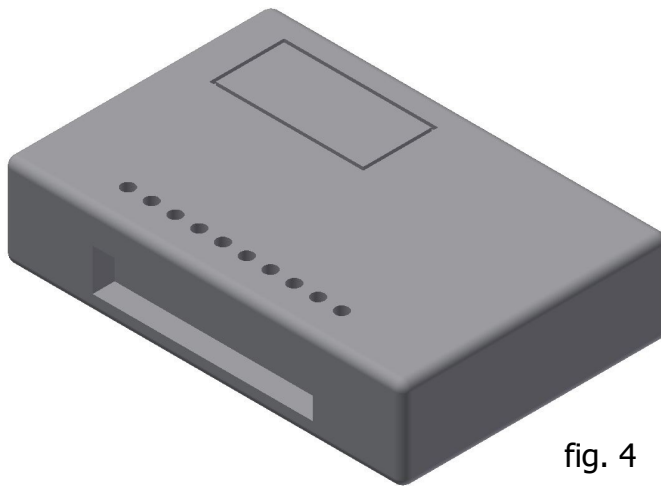
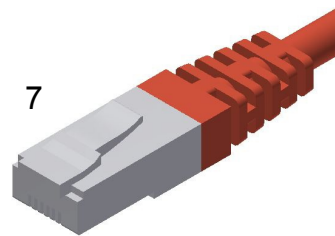
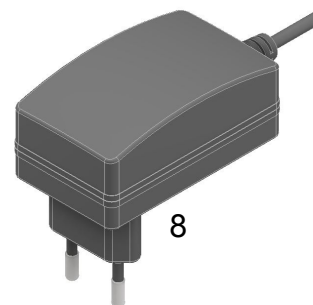


fig. 4



7



8

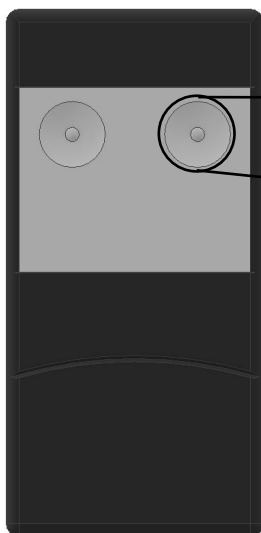
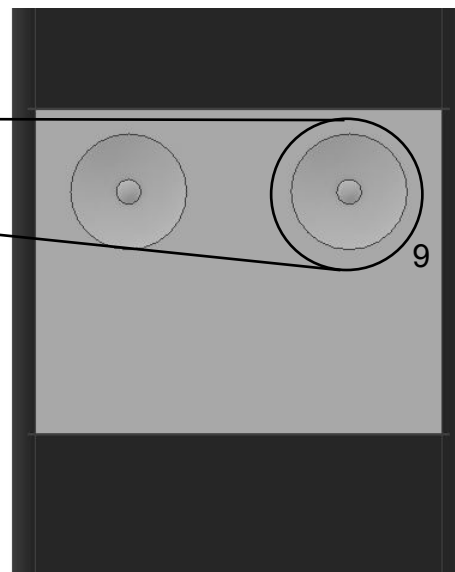


fig. 6



9



Zero position switch:

Since this Flatlift is equipped with a manual turn, the model has a zero position switch. In Fig. 2 you will find a simplified connection diagram.

The zero position switch ensures that the lift in the "turned" state can not be moved up or down to prevent collisions.

To make the system move up and down it must be ensured that the roller of the zero switch is in the recess. (Fig. 4)



fig. 1



fig. 3

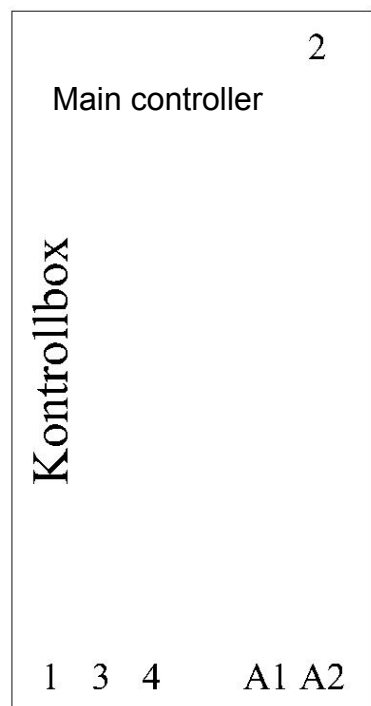


fig. 2

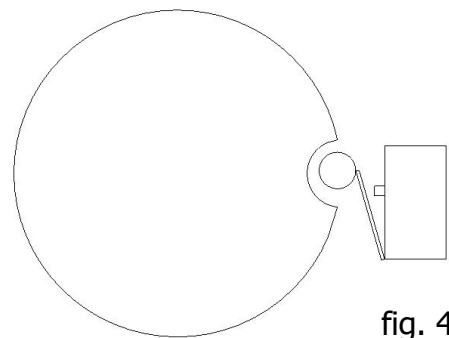


fig. 4



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).

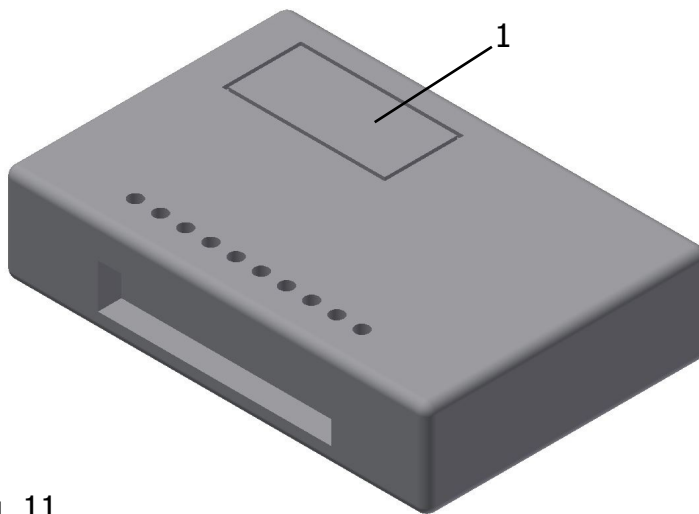


fig. 11

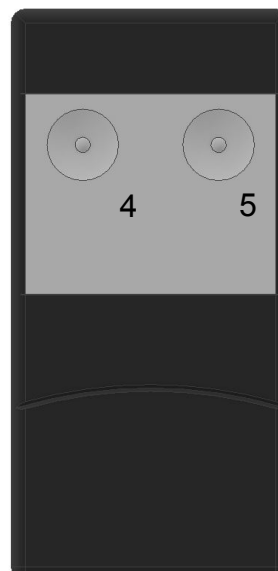
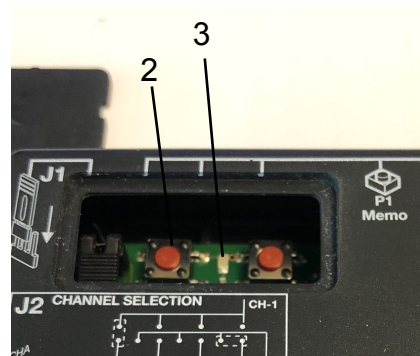


fig. 12

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



If your handheld transmitter has been successfully read in,
if you press the button to send a quiet
Hear click in the receiver.

With a handheld transmitter with four radio channels, this is
Operation with the top two buttons on radio module 1 and
performed with the lower two on module 2.

Please note that the slider on the right side of the
Hand transmitter (Fig.13 No.6) is in the lowest position.

The jumper position should also be checked.

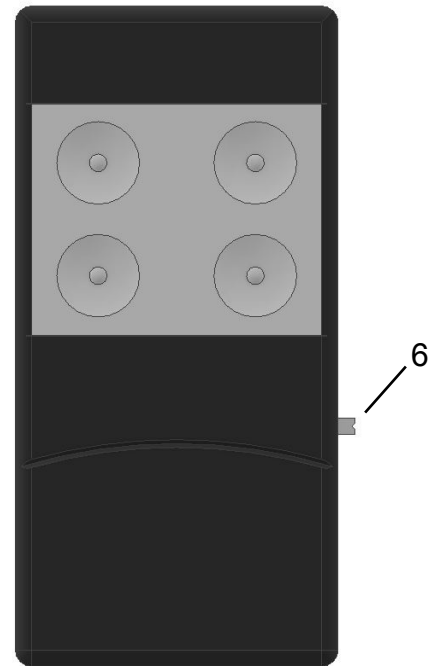
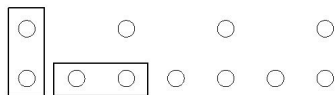


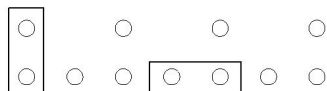
fig. 13

Jumperstellung



2-Kanal

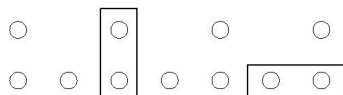
Jumperstellung



4-Kanal

Funk 1

Jumperstellung



4-Kanal

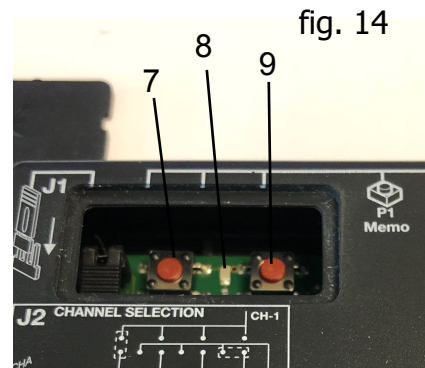
Funk 2



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 up
Pin 4 & 8 for down

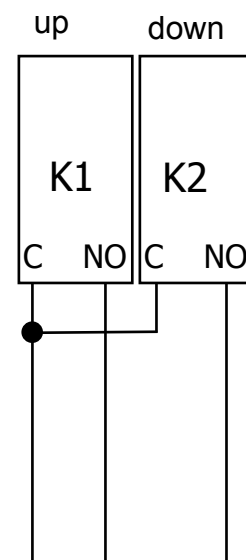




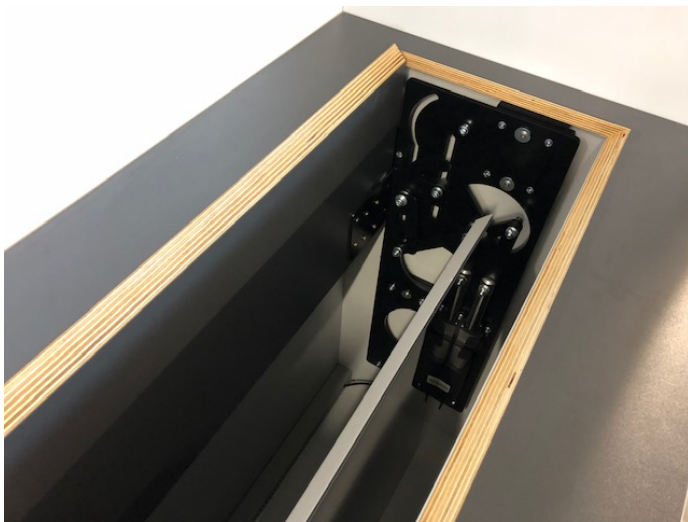
fig. 1

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 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 Flat 360° 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:

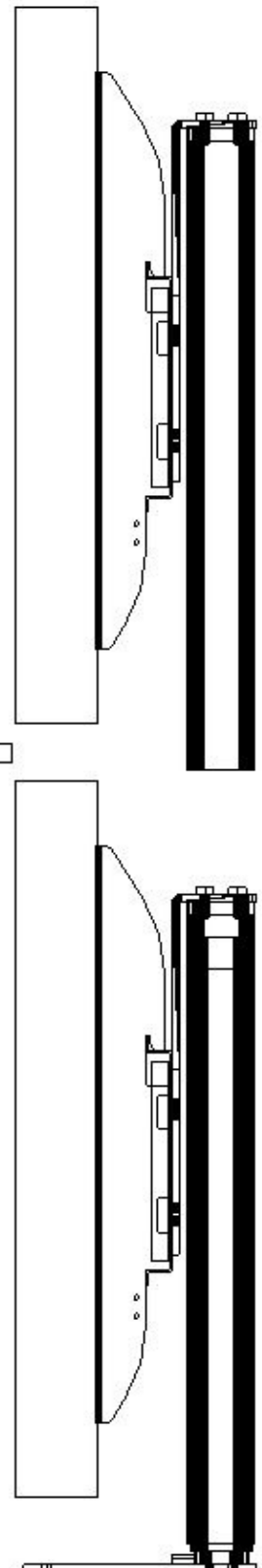
Lifting height of lift = 965mm - 3 x 10mm min.
Distance - (12 to 19mm) Cover thickness =
916mm

916mm = max. TV height

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