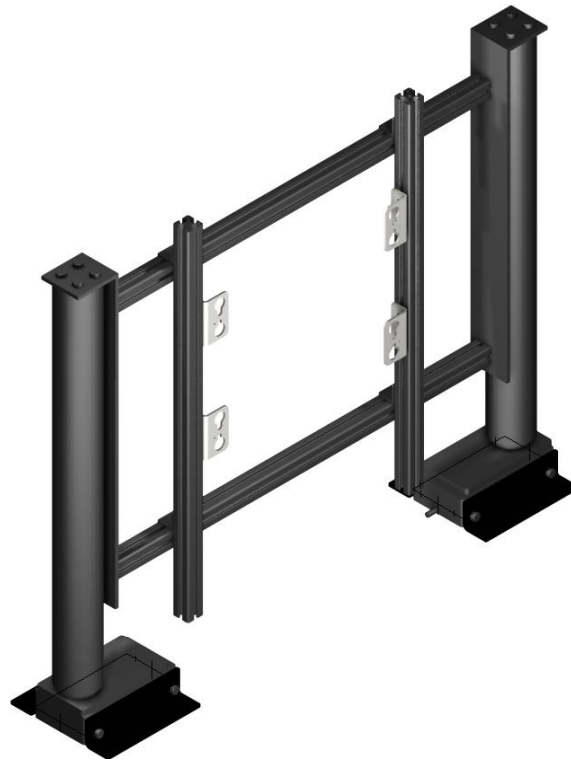




Operating manual FLX-D 70/86



-> K.01 Introduction

-> K.02 Properties

-> K.03 Product dimensions

-> K.04 Initial Setup

Setup P.06
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-> K.05 Product control

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-> K.06 Product integration

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-> K.08 Diagnosis

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Video for mounting
the TV holder
[click here](#)

Video about the
VESA setting
[click here](#)



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.



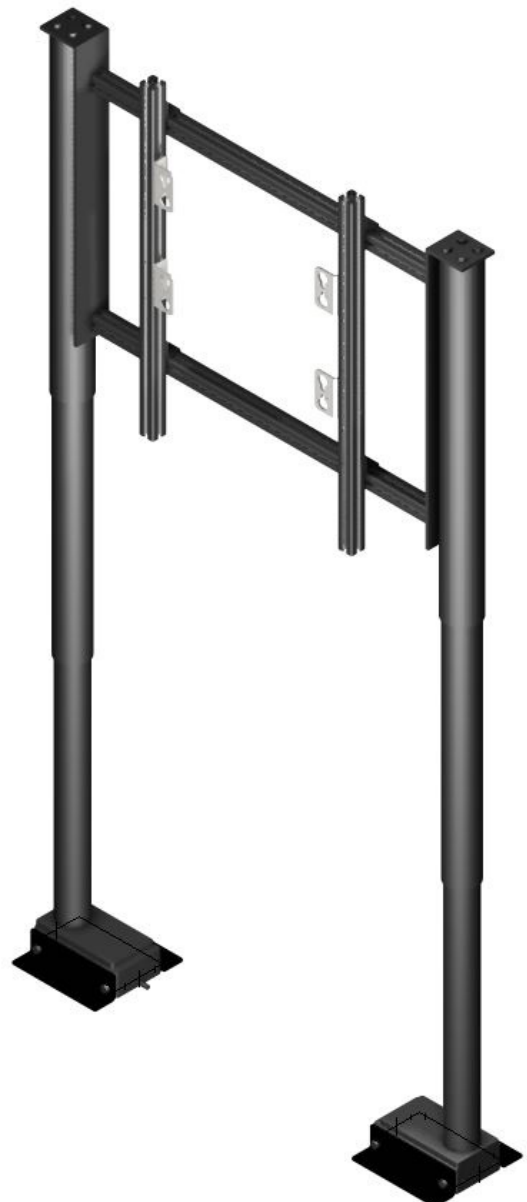
Characteristics:

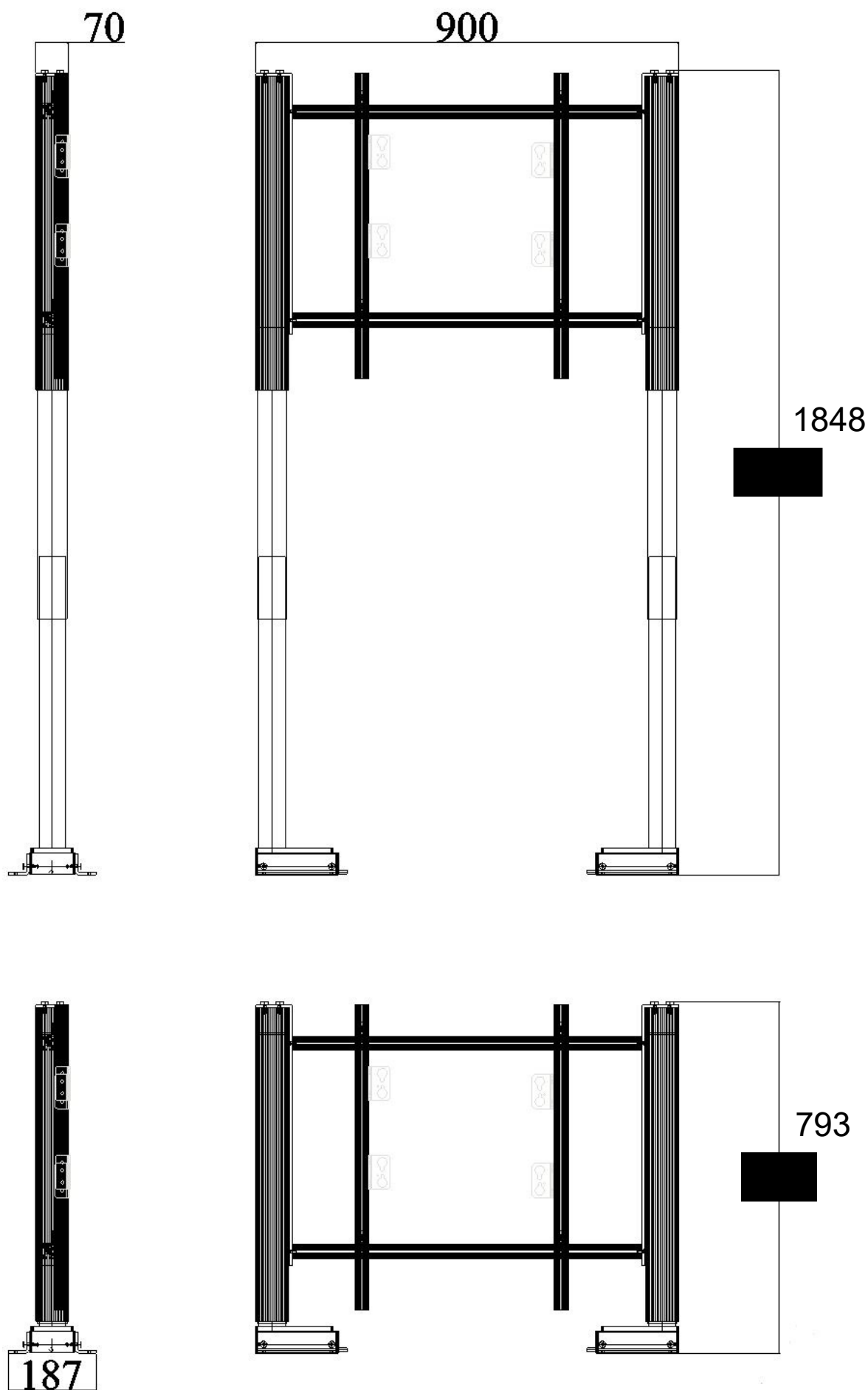
- > Installation dimensions Flatlift
W = 900mm D = 187mm H = 793mm
- > stroke 1100mm
- > lifting speed 38mm / sec
- > TV weight max. 100kg / 1000N / including case
- > TV size 70-86" (inches)
- > duty cycle 5%
- > Soft Start / Soft Stop
- > Low noise level
- > ambient temperature + 5 ° C to 40 ° C
- > Connection to room control possible
- > millimeter programming of the endpoints
- > 230V emergency power supply (optional)

Delivery:

- > Flatlift Pop-Up FLX-D 30/65"
- > control box
- > 230V power cable
- > 2x Motor cable
- > 433.92 MHz 2 channel radio receiver
- > 433.92 MHz 2 channel radio transmitter
- > Platinum light upgrade programming cable

* not relevant





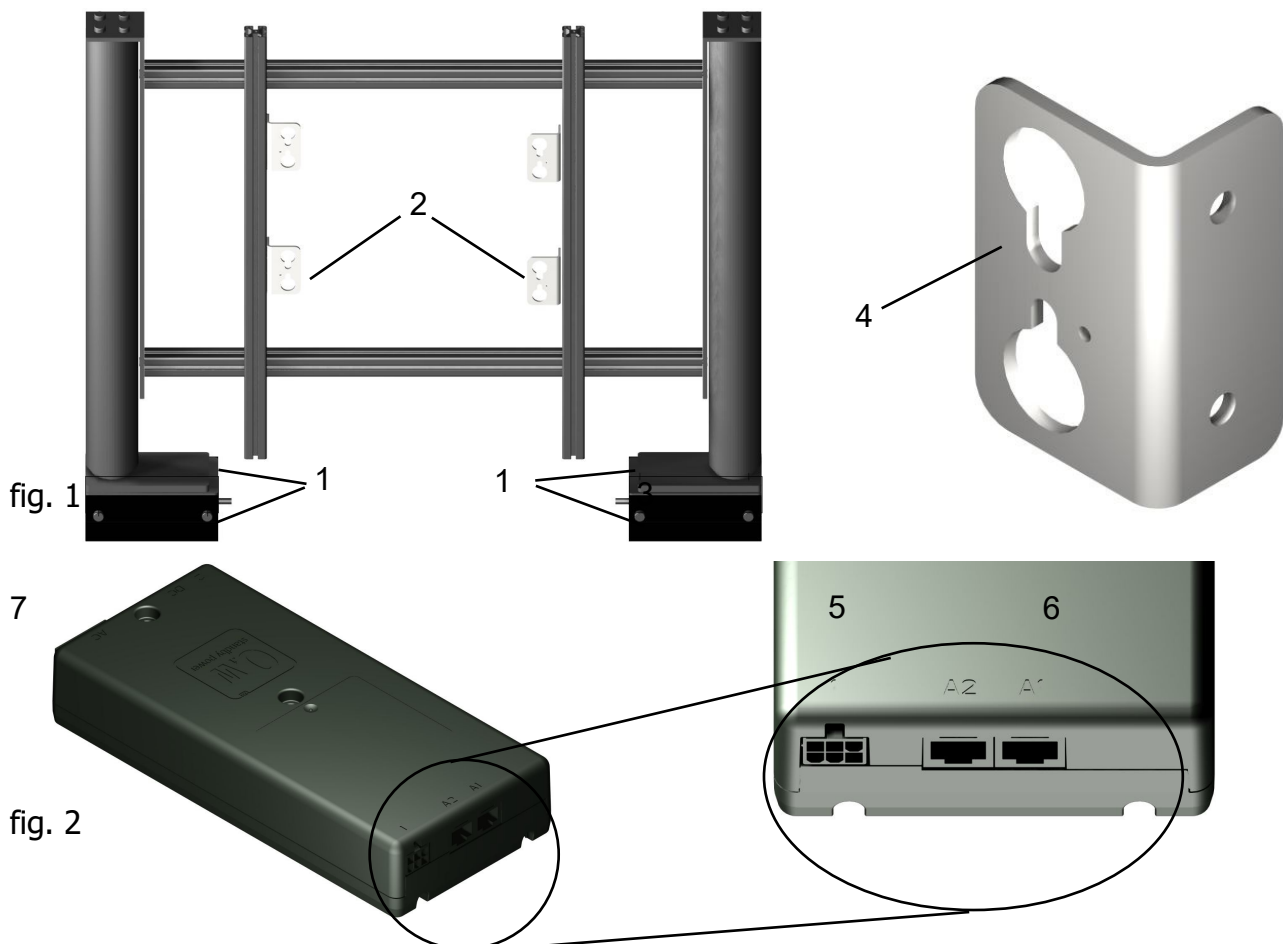


Initial setup:

1. Attach your pop-up stand to the floor with 8 screws (fig.1 No.1), to prevent tilting the system.
2. Connect the Flatlift (fig. 1 No. 3) to the motor cable (S.07 fig. 3) and this with the control box (fig. 2 No. 5) to connection "1" - "2". 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 a control box at Port A1 (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 (P.07 fig.6 No.9) for 2 x 5 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. Adjust the central aluminum brackets to the VESA width of the TV set by loosening the 4 fixing screws (fig.1 No.2).
9. Adjust the mounting brackets to the VESA height of your TV by loosening the 8 adjusting screws (fig.1 No.4). Mount the TV.

A **video link** for installation and adjustment can be found on page 2.

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



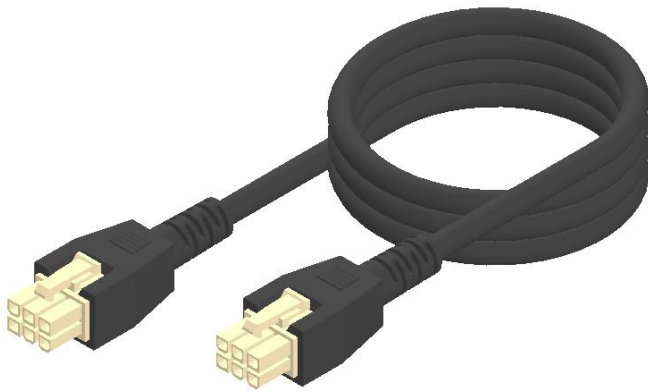


fig. 3

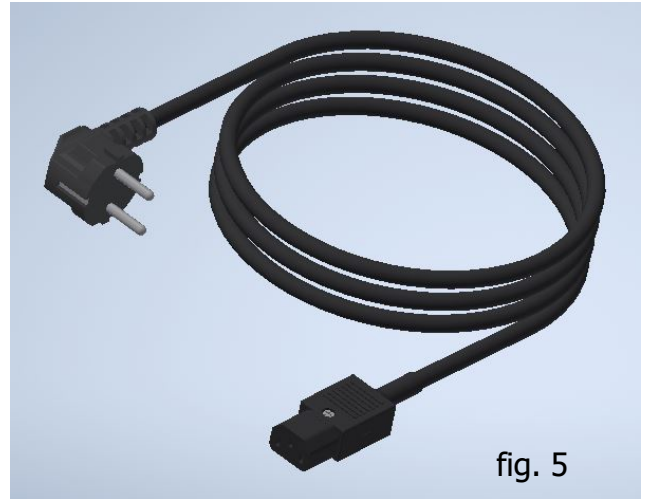


fig. 5

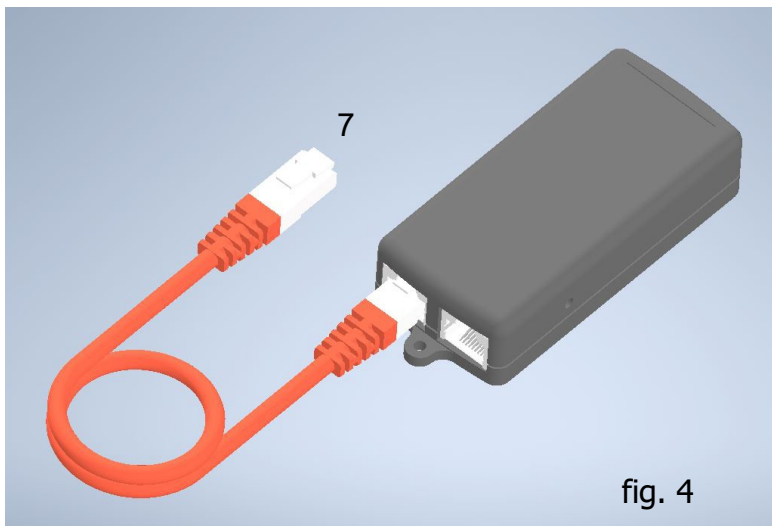
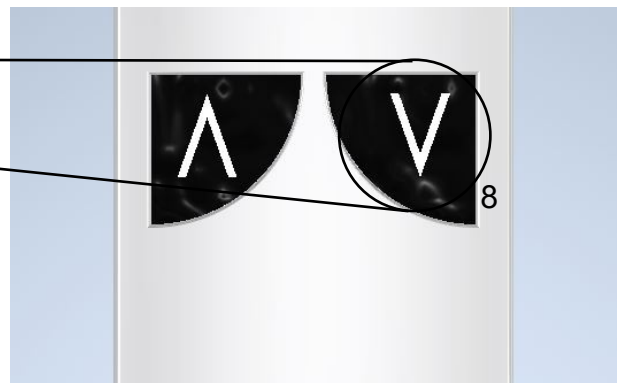


fig. 4



fig. 6



8

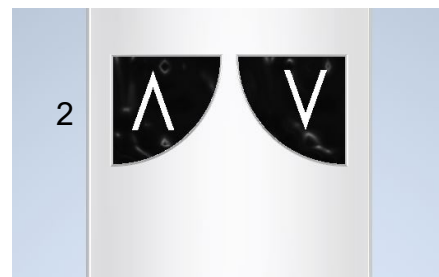
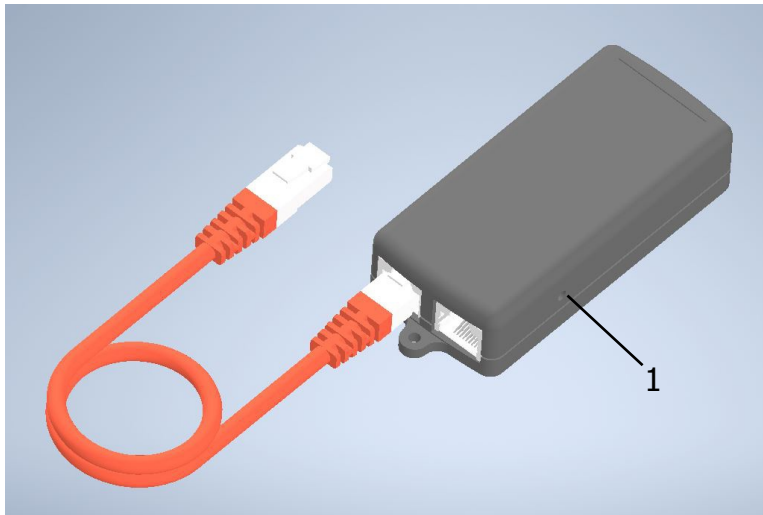


Teaching in the hand transmitter:

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.

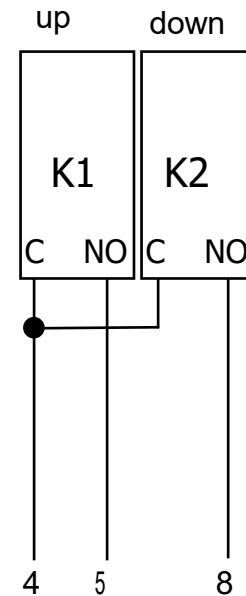
1. Use a cable with RJ45 Connection (e.g. a network cable).

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

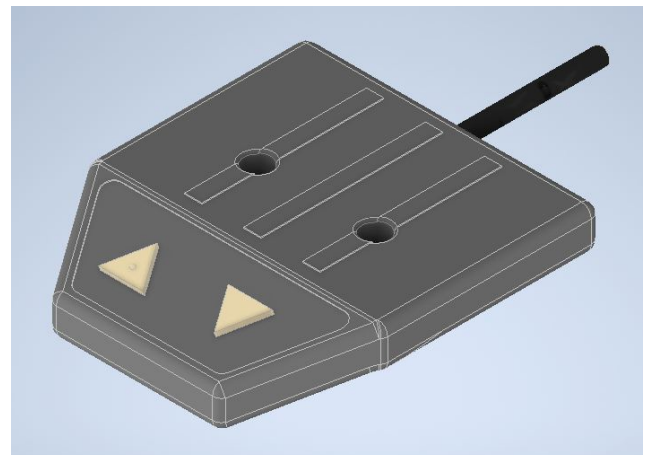
4 = blue
5 = blue / white
8 = brown



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.





TV limit switch (optional):

The TV limit switch cuts off the power of the TV.

There are two versions of limit switches available:

1. External TV limit switch.
-> Position the limit switch so that it is pressed when the lift is in the lower end position. This disconnects the power supply from the TV.
2. Limit switch with a Minifit Motor Connector.
-> Connect the TV limit switch to the last port of the control box. For the box with two connection ports so on port "2" and in the version with four connection ports to the port "4". Here it can happen that individual ports are not occupied.

The TV limit switch is only for the TV. Please do not use the cable to connect a control box. If the power supply to the control box is interrupted, a new initialization must be carried out.

Platinum Light Upgrade (PLU):

The Platinum Light Upgrade programming cable allows you to adjust the upper and lower endpoints. The exact procedure can be found in the instructions for the PLU which is stored in the download.

Link to download:

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

Tip:

Please note the nameplate of the control box.

Please use the software for the **CBD6S** controllers:

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

Please use the software for the **CBD4** controllers:

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

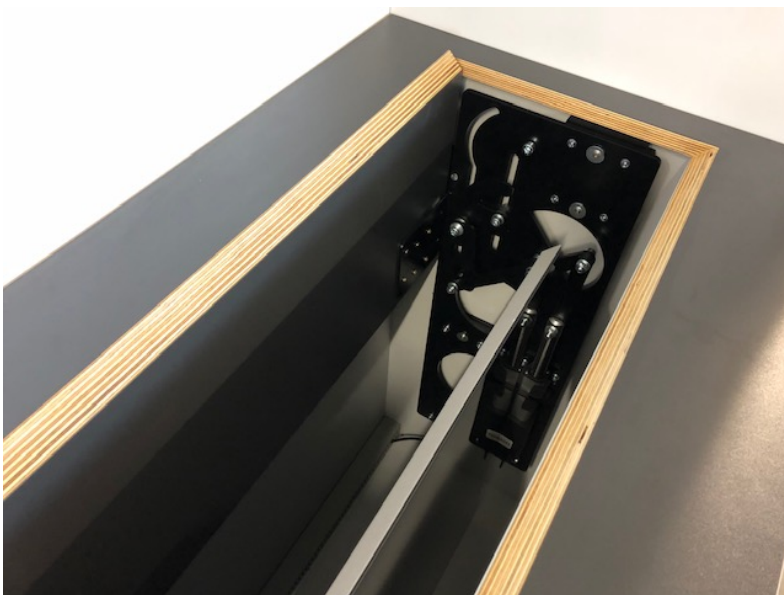


Lid Variation 1:

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.2.

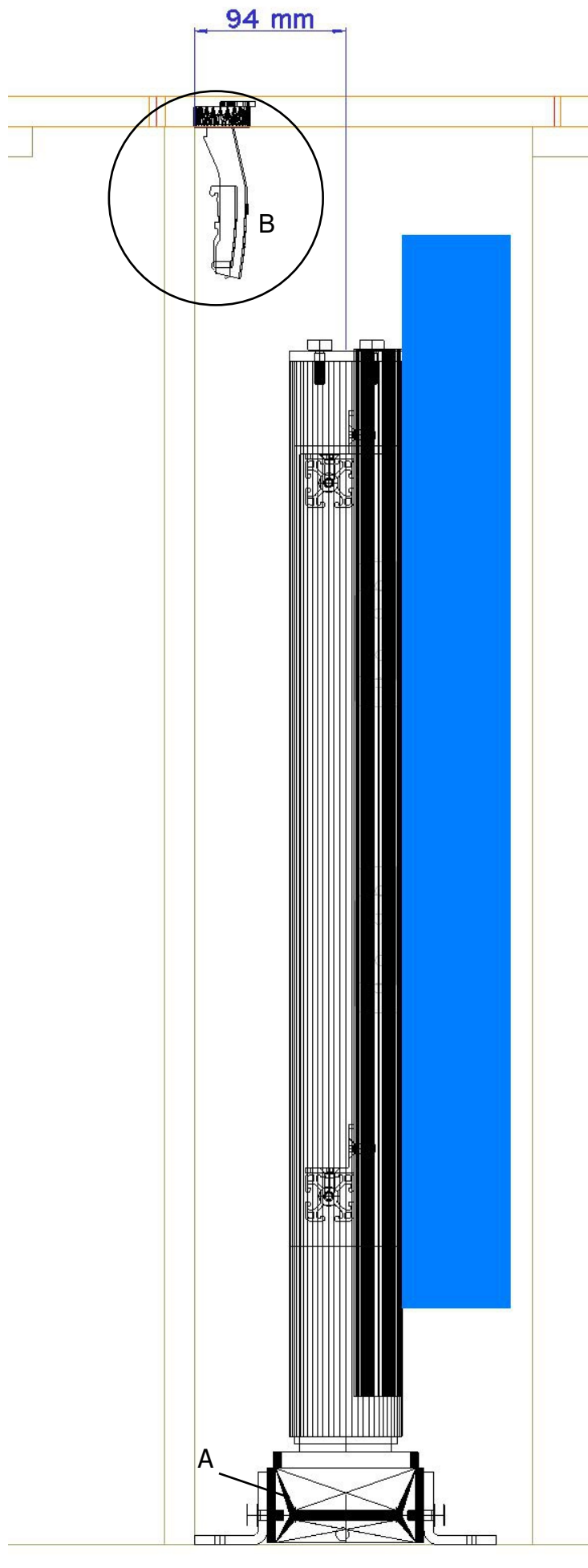




Lid Variation 2:

The lift systems of FLX 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.

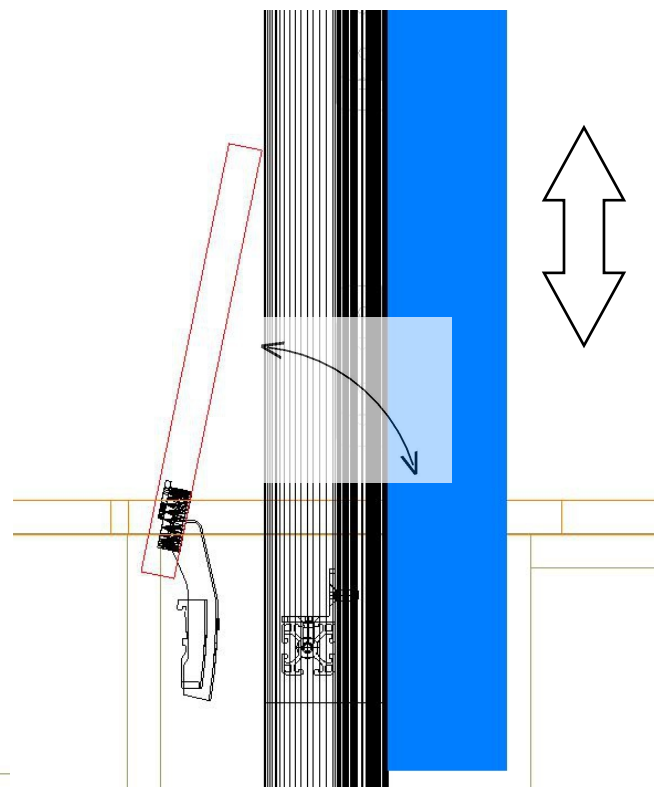


Installation recommendation for mounting a lid with pot straps.

The FLX is positioned as shown in point A, with the mounting angles over the entire surface of the furniture back wall. This results in a distance of 94 mm to the center of the system.

You can see an example of the mounting of cup brackets in the picture under point B. The drilling and milling patterns can be found in the technical data sheets of the respective manufacturer.

We recommend the installation of at least 2-4 pot bands distributed across the width of the lid. Please note that no pot bands are placed in the area of the drives.



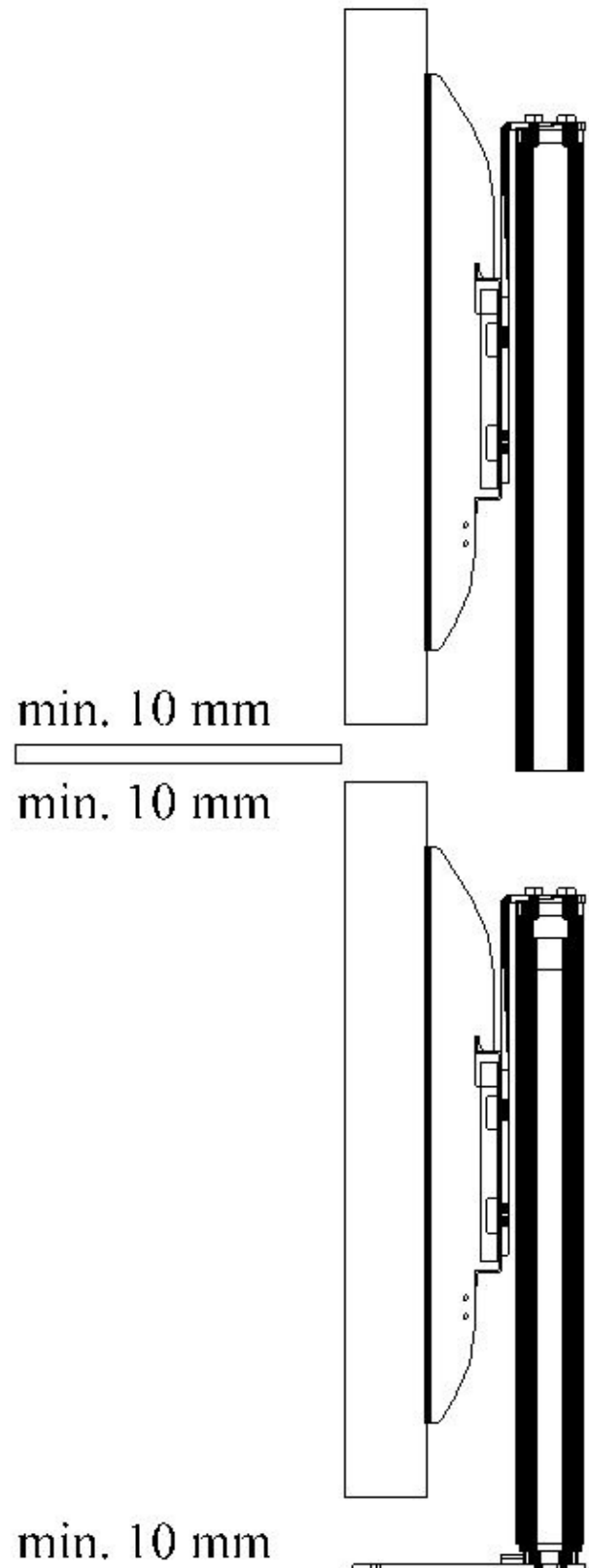


Installation recommendation for furniture integration:

The FLX-D 70/86 has a stroke of 1100mm. 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.





Fault diagnosis:

If your Flatlift FLX-D 70/86 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: technik@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