



Operating instructions Slimline Platinum Lowering and rotation 85-98"

Product features:

External drives Completely enclosed
housing Siemens Logo PLC control
Concealed cable routing (behind cover)

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Intended use

The product is designed for raising, lowering and rotating LCD, LED and plasma TV sets. All company names and product names contained herein are trademarks of their respective owners. All rights reserved.

The scope of delivery may vary depending on the product and equipment series. Please check that the delivery is complete and notify us within 7 days of receipt if the delivery is incomplete.

Safety and hazard information

Please read this chapter carefully and follow all the instructions listed. This will ensure reliable operation and a long service life for your lift system.

Keep the operating instructions in a safe place.

Damage caused by failure to observe these operating instructions will invalidate the warranty! We generally accept no liability for consequential damage. We accept no liability for damage to property or personal injury caused by improper handling or failure to observe the safety instructions! In such cases, all warranty claims will be invalidated.

- > For safety reasons, unauthorised modification and/or alteration of the product is not permitted. Do not disassemble it.
- > The product is not a toy and should be kept out of the reach of children.
- > The product must not become damp or wet.
- > Do not leave packaging materials lying around carelessly, as children could choke if they swallow them in the worst case.
- > The product will be damaged if dropped from even a low height.
- > Before using the product for the first time, please check that the Flatlift, including the mounted TV set, can be moved in and out freely and that there is no risk of collision.

Your Flatlift is equipped with a "dead man's switch" in accordance with legal and insurance regulations.

This means that the button for extending and retracting the lift must be pressed continuously. As soon as you release the button, the system stops.

Quality

When selecting the components, we focused on high functionality, ease of use, safety and reliability.

We thank you for your trust in our Flatlift brand products.

We provide individual customer support to assist you with your installation.

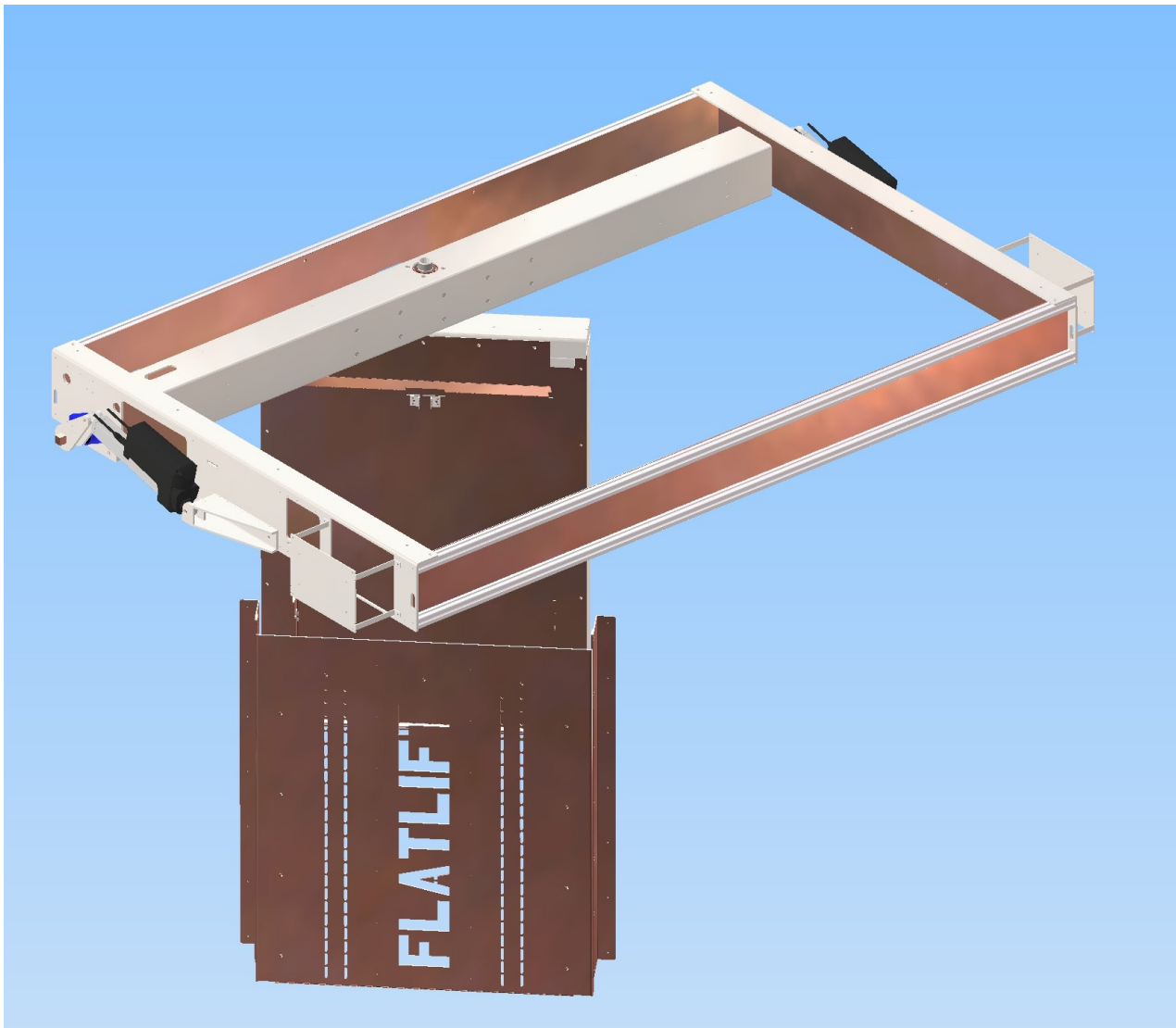
Features:

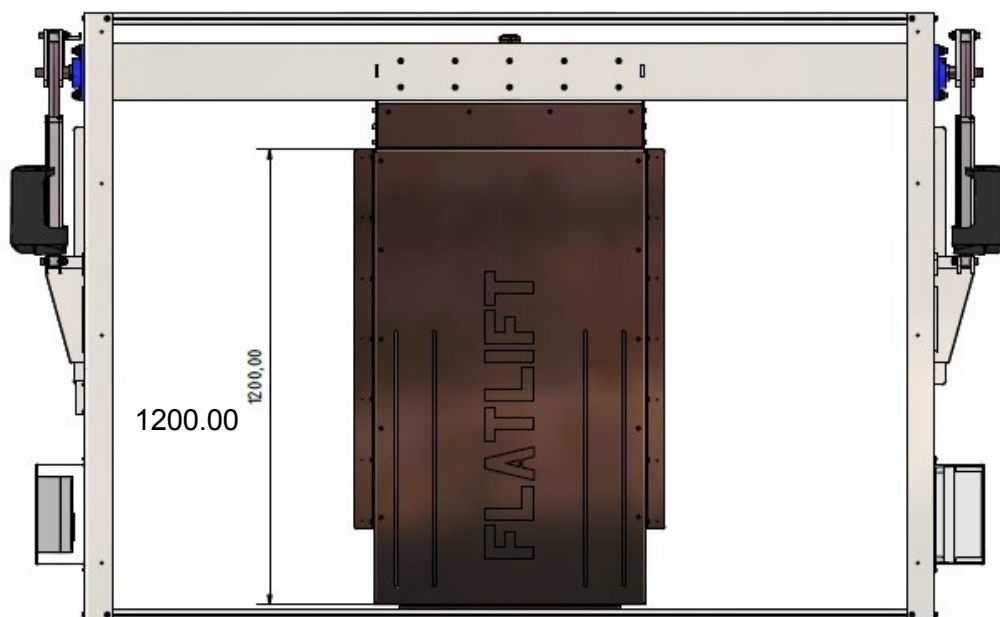
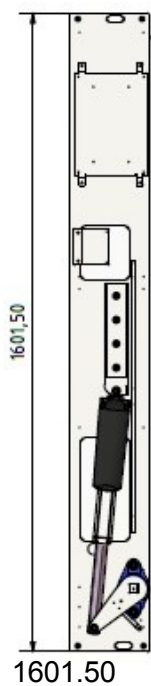
- > Flatlift installation dimensions
W=2631.73 mm D=1601.5 mm H=200 mm
- > Angle max. 90°
- > Lifting speed 38 mm/sec
- > TV weight max. 60 kg / 600 N / including case (p. 012)
- > TV size 85-98" (inches)

- > Duty cycle 5%
- > Low noise level
- > Ambient temperature +5°C to 40°C
- > Connection to room control possible (optional)
- > 230V emergency power supply (optional)

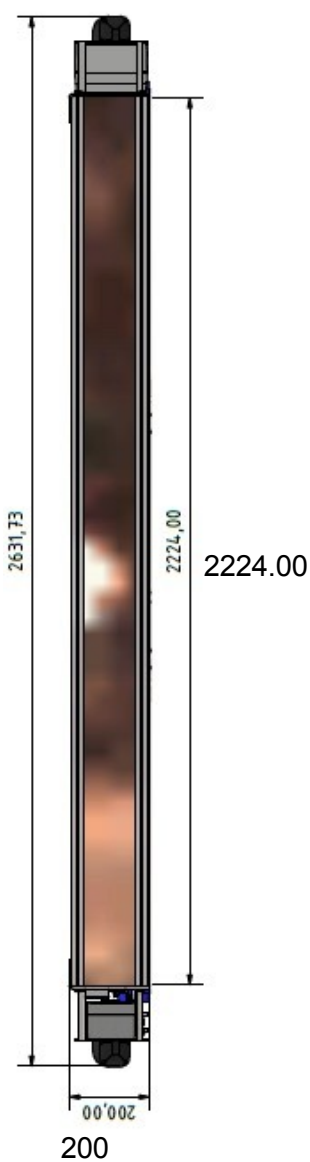
Scope of delivery:

- > Flatlift Slimline Platinum Lowering and Rotation 85-98" (inches)
- > Radio receiver (pre-installed)
- > Handheld radio transmitter
- > 230 V power cable (pre-installed)





2631.73



Opening angle: 90°
Lowering: 950 mm
Rotation angle: 180°
L/R

Initial setup:

1. Unpack your Slimline Platinum TV Lift.
2. On the top of the system, you will find 4 holes each that are used for mounting on the ceiling (Fig. 1).
3. Now transfer the hole spacing measurement of the mounting holes to your pre-cut ceiling cut-out. Drill the holes in your ceiling material. If the Slimline ceiling lift is to be installed on a yacht with a metal/aluminium ceiling, we recommend a hole size for an M8 screw (recommended drill/ Core hole diameter = 6.8 mm). For concrete ceiling installation, please use approved mounting anchors for cracked or uncracked concrete. If installation is to take place on a wooden ceiling, you can install the Slimline Lift to the wooden ceiling using wood screws. The anchor or screw length should be at least 80 mm for concrete or wooden ceilings.
4. Secure your Slimline to the ceiling using the selected mounting material.
5. The profiles of the flap feature various fastening options for covering the flap on the inside and outside. The outer cover can be hooked into the keyhole cut-outs so that it can be removed in the event of a malfunction.
6. Now you can align and attach the TV to the interior cover.
7. The flap is constructed on the pivot axis in such a way that the cables to the TV set can be laid in the flap so that they are almost invisible. A passage for the cables must be provided in the interior cover for this purpose.
8. Route the cables through the cut-outs in the rear panel and then through the drag chain into the system's axis of rotation. (Always use cables that are as flexible as possible to protect them from damage).
9. Connect the system to the mains.
10. Press the "upper left" button on the hand-held transmitter to open the system. Press the "upper right" button to close the system.

11. When the system is open and lowered, it can be moved to the left or right.
12. When the "Close" button is pressed, the system first moves to the centre position, then moves the lowering mechanism upwards and finally closes the flap.

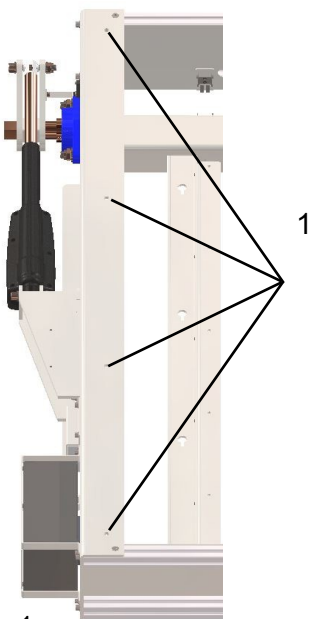


Fig. 1

Your Flatlift system is equipped with a Siemens Logo PLC control system. This controls the sequence of the individual movements. In addition, various settings can be made on the control system to adjust the lift system or check the current status of the system.

Navigation in the Siemens Logo menu:

You can navigate the information and programming menu using the cursor keys on the logo control. When the control is started, the display shows the flat lift, lift model and software version number. To navigate the menu, press the **down** cursor **key** once. The display will change to show the date and time. To check the **status of the system**, press the **"Right"** cursor key once. Page **1/9** should be displayed. 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 Flatlift can be checked using the following list:



Inputs:

I-1: Extension signal: Start state: off	Can be used to check whether the signal "Extend" is present. (e.g. when pressed on the hand-held transmitter.
I-2: Signal retraction: start state: off	Can be used to check whether the signal "Retract" is present. (e.g. when the "Retract" button is pressed on the handheld transmitter.
I-3: Signal flap open: Start state: off	Can be used to check whether the signal "Flap open" is present. When the flap is fully open, this signal is switched to give the control system the next release.
I-4: Flap closed signal: Start state: on	Can be used to check whether the signal "flap closed" is present.
I-5: Signal Hub top: Start state: on	Can be used to check whether the signal "Hub up" is present. This signal indicates that the hub mechanism has reached its upper end position.
I-6: Hub down signal: Start state: off	Can be used to check whether the signal "Stroke down" is present. This signal indicates that the lift mechanism has reached its lower end position.

I-7: Stop left: Start state: off	Can be used to check whether the signal "Stop left" is applied. (e.g. when the system has reached the left end position.)
I-8: Zero position: Start state: a	Can be used to check whether the "zero position" signal is present. The zero position indicates that the system is in its basic position. If the zero position is not present, further movements may be blocked.
I-9: Stop right: Start state: off	Can be used to check whether the signal "Turned Right" is present. This signal becomes active when the system has reached its right-hand turning position.
I-10: Turn left signal: Start state: off	Can be used to check whether the signal "Turn left" is selected. (e.g. when the the "Turn left" button is pressed on the handheld transmitter.
I-11: Signal turn right: Start state: off	Can be used to check whether the signal "Turn right" is present. (e.g. when the "Turn right" button is pressed on the handheld transmitter

Function sequence:

Extend, lower and turn:

Pressing the "Extend" button switches input 1 (I-1). If (I-4 & I-5 & I-8) is present, the system extends. When the flat lift has reached the open end position, (I-3 & I-6) is switched. The system can now be rotated.

Rotating to the zero position and retracting:

Pressing the "Retract" button activates (I-2). The system now automatically rotates to the zero position (I-8) and then raises the lowering mechanism and closes the flap.

Setting parameters:

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

Select "Programming"	-> "OK" button
Select "Parameterise"	-> "OK" button
Select the parameter to be set	-> "OK" key

Press the "OK" button to change the parameter using the cursor buttons. Once the value has been set, confirm with "OK". Press the "ESC" button several times to exit the parameter and programming menu.

Adjustable values:**Rotation angle:**

The values "B042 LEFT" and "B043 RIGHT" can be set to adjust the maximum rotation angle. The factory setting is as follows:

on=10270
off=10270 Start=10000
CNT=10000

The start value is at zero and is always reset. To set the angle of rotation, the values "on" and "off" can be set. Please note that the values must always be identical. To set the ideal angle of rotation, we recommend setting the values to 10900. When the flat lift is rotated, the "CNT" value indicates the current position of the rotation. Once you have reached the optimum rotation angle, release the "Rotate" button on the hand-held transmitter. You can now transfer the "CNT" value to the "on" and "off" columns. The system will then always stop in this position.

The rotation angle setting only affects the rotation until the limit switches "I-7" or "I-9" are reached. When one of these limit switches is reached, the rotation is stopped.

Approaching the zero position:

When the flat lift approaches the zero position, the points "B057 from Left" and "B056 from Right" can be used for precise positioning. Here, you must note the direction from which the system is moving back. In this parameter, you can set the time that elapses before the switch transmits the signal to the control system. This means that if the flat lift stops too early, you must increase the time, and if it stops too late, you must decrease the time.

Operation via the Siemens Logo control:

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

Now press the "ESC" key and the respective cursor key simultaneously.

Cursor key assignment:

Cursor "Up": Signal "Extend lowering" Cursor "Down":
Signal "Retract lowering" Cursor "Left": Signal
"Left rotation"
Cursor "Right": Signal "Right rotation"

Programming the handheld transmitter:

You can obtain additional handheld transmitters for your system.
As 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 then flash slowly.
3. While holding down the programming button, simultaneously press the first button on the handheld transmitter (Fig. 12 No. 4). The LED (Fig. 11 No. 3) will now flash rapidly once the handheld transmitter has been recognised.
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).

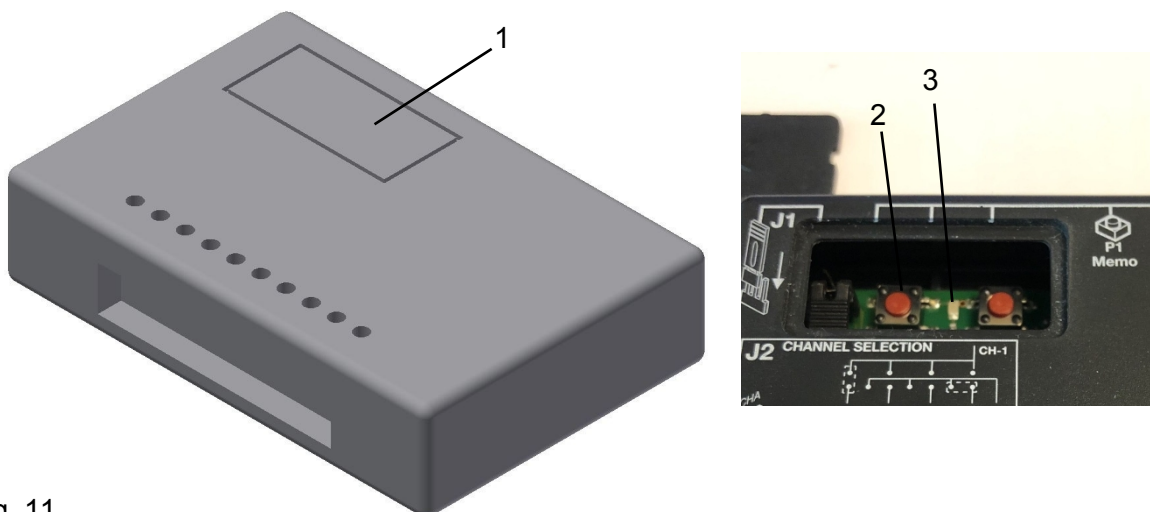


Fig. 11

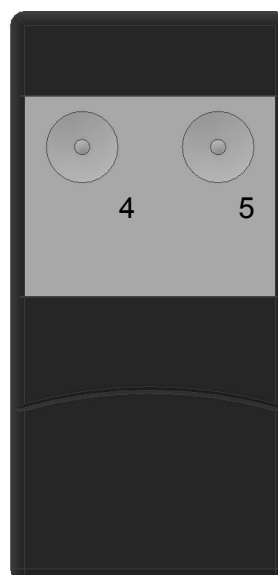


Fig. 12

Important! Please only use the left programming button to program.
The right button is for deleting.

Once your handheld transmitter has been successfully read in, you should hear a quiet click in the receiver when you press the button to transmit.

For a handheld transmitter with four radio channels, this process is carried out using the top two buttons on radio module 1 and the bottom two on module 2.

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

The jumper setting should also be checked.

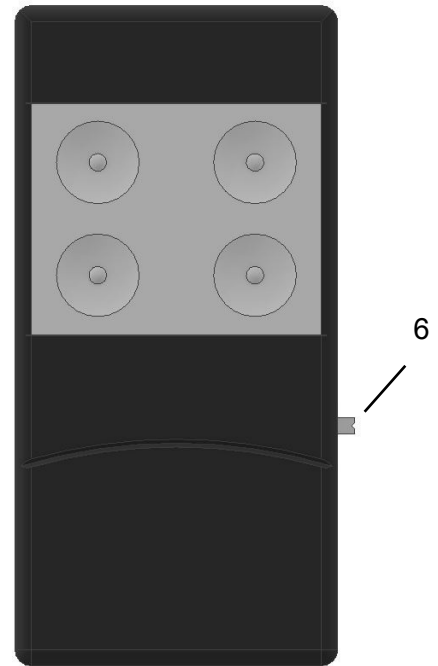
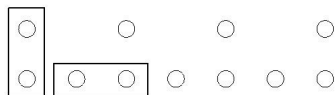


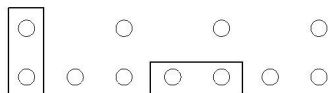
Fig. 13

Jumperstellung



2-Kanal

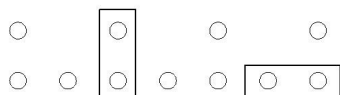
Jumperstellung



4-Kanal

Funk 1

Jumperstellung



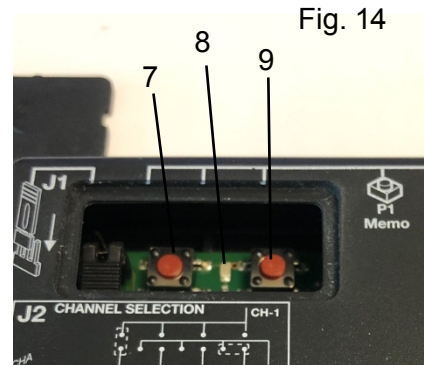
4-Kanal

Funk 2

Resetting the radio receiver:

In isolated cases, the stored transmitter codes in the receiver may be lost.
In this case, the receiver must be deleted.

1. Remove the cover (p. 09 Fig. 11 No. 1) on the radio receiver to access the programming buttons.
2. Press both programming buttons (Fig. 14 No. 7 + 9) simultaneously until the LED (Fig. 14 No. 8) flashes rapidly. This indicates that the deletion was successful.
3. Now reprogram your handheld transmitters.
(See p. 09)

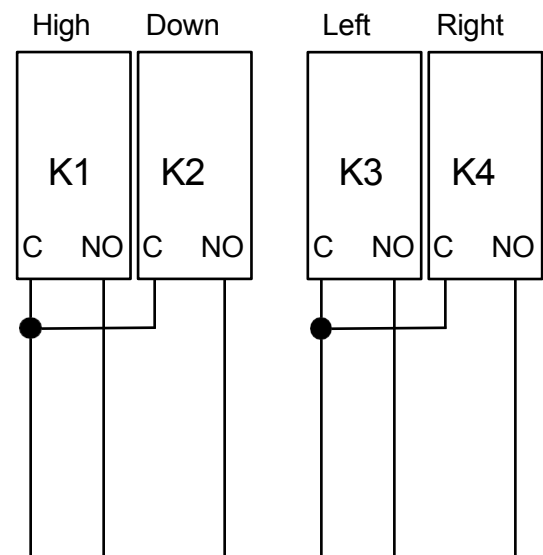


Connection to a room control system:

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

- 1) Disconnect the radio receiver from the mains.
- 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 to lower the Flatlift).
- 4) Bridge the blue wire to the second relay output and connect the green wire to this relay output as well (Flatlift up).

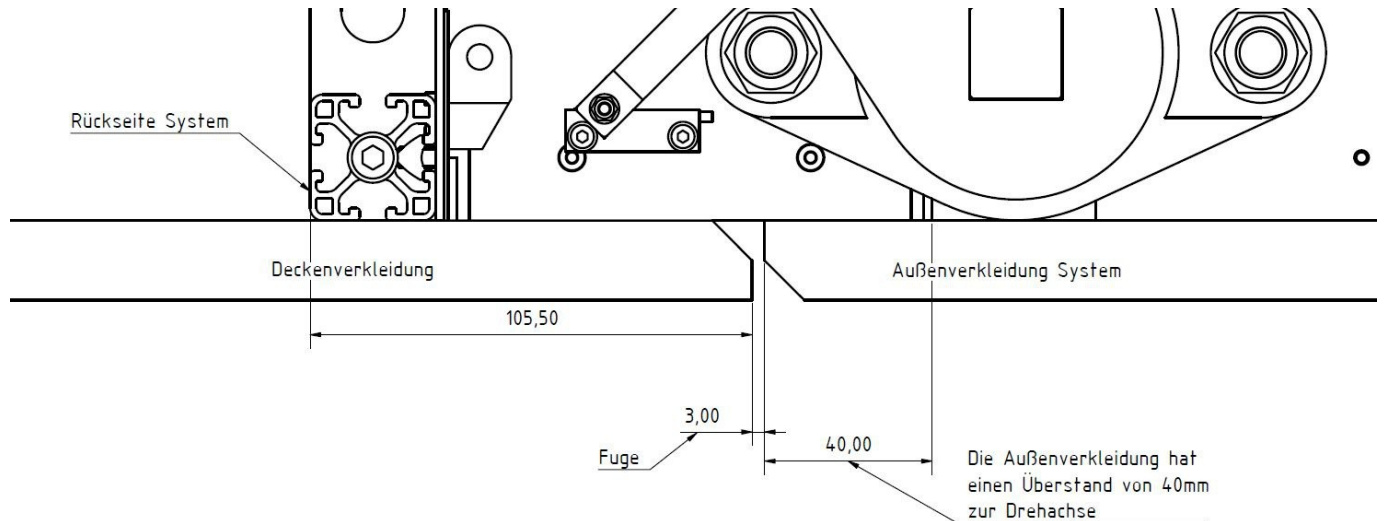
You can also use a new cable with an RJ45 plug.
You can use the following pin assignment for this:



	Radio 1	Radio 2
Pins 4 & 5 for	lift	turn left
Pin 4 & 8 for	lower	turn right

Product integration / bonnet trim:

The Slimline ceiling flap can be clad in various ways. It is important that you provide an inspection opening that allows you to access the control system and drive of the Slimline ceiling lift in the event of a malfunction.



We recommend maintaining a circumferential gap of at least 3 mm. You can fit the gap at the front and rear with a 45° chamfer. It is important that the cladding does not protrude more than 40 mm behind the axis of rotation, as this could lead to collisions.

Fault diagnosis:

If your Flatlift is not functioning 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 inserted into the control box? (**CAUTION:** 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?

-> Is the television too heavy?

-> Radio channel may have been deleted!

-> Programming error!

-> End points set incorrectly!

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

-> Lighten the load on your Flatlift and try again.

Is the radio transmitter sending?

-> Replace the battery in the handheld transmitter if necessary.

Is the receiver receiving?

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

(If not, delete the channels and re-program them. See pages 7+8) Is the flat lift

moving jerkily/stutteringly?

-> Please check whether there is a radio source transmitting at 433 MHz in the vicinity of your house (possible sources of interference: garage door openers, baby monitors, alarm systems or intercoms).

If there is a source of radio interference, you must switch to a frequency of 868 MHz!

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

contact us.

If you encounter any problems during commissioning or if there is a malfunction, you can contact us by telephone or email:

Customer service:

By email: service@flatlift.de

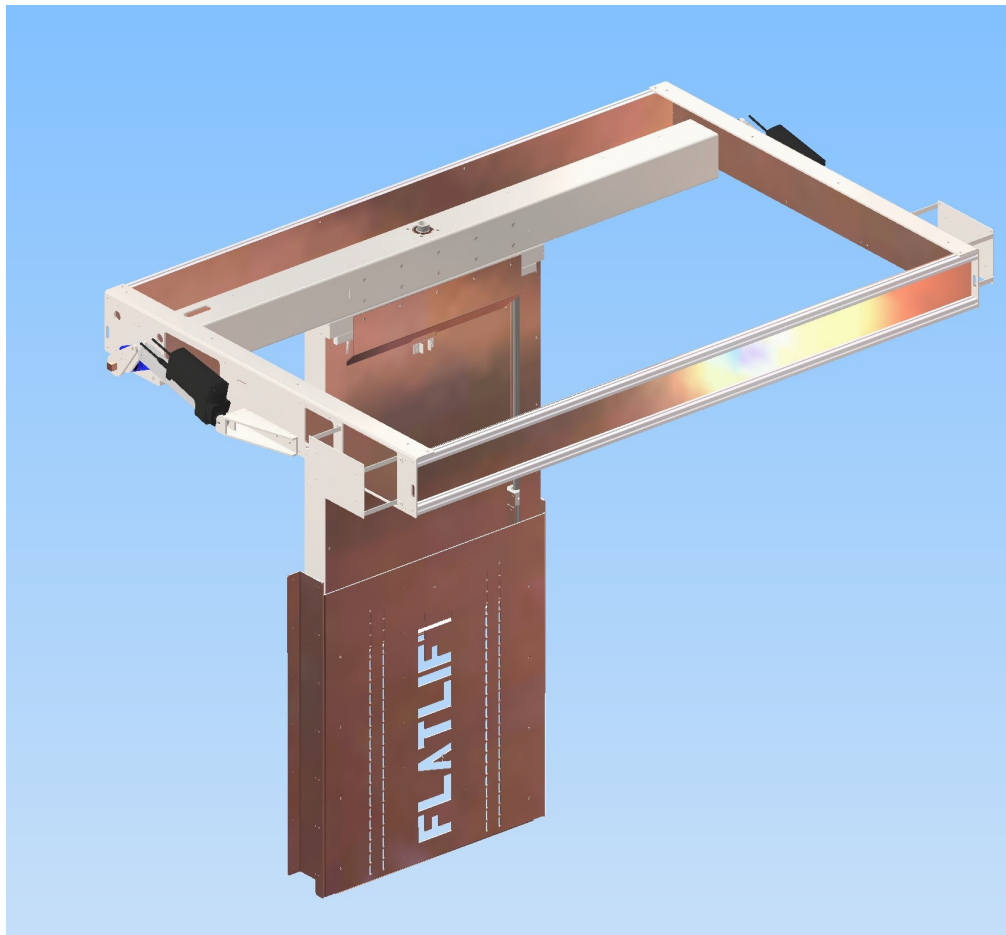
By telephone during our service hours from 8:30 a.m. to 4:30 p.m. on +49 (0)62 41-30 56 00 Please always have the following information ready for us or send it to us by email:

-> Your customer number

-> Invoice number or delivery note number

-> Date of purchase of your Flatlift

-> Name of your Flatlift system



Opening hours:

Mon. - Thu. 8:00 a.m. - 12:00 p.m. and 1:00 p.m. - 5:00 p.m.

Fri 8:00 a.m. to 12:00 p.m.

Please make an appointment in advance.