





POP-UP™

30" / 42" PLATINUM



Operating Manual








-  **C.01 INTRODUCTION**
-  **C.02 FEATURES**
-  **C.03 PRODUCT DIMENSIONS**
-  **C.04 INITIAL PRODUCT SET UP**



Set-up P.06

Images P.07

Automatic TV switch-off P.08

-  **C.05 PRODUCT CONTROL**
-  **C.06 ENDPOINT SETUP / SOFTWARE**
-  **C.07 EMERGENCY POWER SUPPLY**
-  **C.08 PRODUCT INTEGRATION**
-  **C.09 RECOMMENDED INSTALLION**

Example of console integration P.16

Example of back of sofa integration P.17

-  **C.10 TROUBLE SHOOTING**
-  **C.11 LEGAL NOTICE**

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Intended Use

The product serves the lifting and lowering of LCD and plasma TV equipment. All company names and product names are trademarks of the corresponding owner. All rights reserved. The scope of supply can vary depending on the product and the range of fixtures and fittings. Please check that the product supplied is complete and inform us within seven days of delivery if the scope of supply is not complete.

Safety and Hazards Recommendations

Please read this chapter carefully and follow all of the instructions provided. In this way you are able to guarantee the reliable operation and a long lifespan for your lift system. Keep the operating manual in a safe place.

In the event of damage which is the result of non compliance with this operating manual, all claims pertaining to the guarantee are null and void. We generally accept no responsibility for secondary damage. We accept no responsibility for damage to objects or persons which is caused by the inappropriate use of the product or through ignoring the safety instructions. In such cases, all claims pertaining to the guarantee are null and void.

- ⇒ For safety reasons, the unauthorized conversion and/or changing of the product is not permitted. Do not dismantle this product.
- ⇒ This product is not a toy and does not belong in the hands of children.
- ⇒ Do not allow the product to become damp or wet.
- ⇒ Do not leave the packaging material lying around as children may choke if they swallow it.
- ⇒ The product will be damaged if it is dropped, even from a low height.
- ⇒ Before using the product for the first time, please check that the free raising and lowering of the Flatlift including the mounted TV equipment is possible and ensure a collision-free run.

For legal reasons and insurance purposes, your Flatlift is equipped with an 'automatic safety device'.

This means that the button which controls the raising and lowering must be pressed down all the time.

The system stops and remains in the same position as soon as you let go of the button.

Quality

In the choice of our components, our primary focus was on ensuring a high level of functionality, straightforward use, safety and reliability.

We would like to thank you for the trust you have placed in our Flatlift brand products.

We can help you with your installation through providing individual customer care.

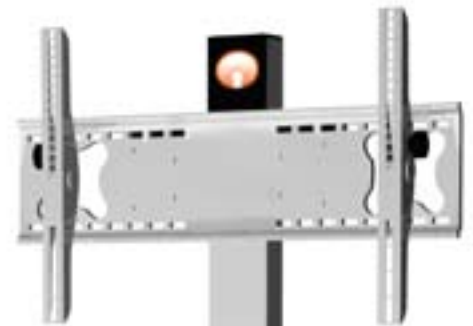


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Features:

- ⇒ Installation base
W=11.81" in D=7.87" in
- ⇒ Installation dimensions, Flatlift
W=30.91" in D=5.31" in H=23.62" in
- ⇒ Lift 26.57" in
- ⇒ Lifting speed 1.77" in / sec
- ⇒ TV weight max. 110 lbs / including cover (P.015)
- ⇒ TV size 30-42" (inches)
(max. TV size possible in inch: W = * , H = max. 24.65" in, D = *)
- ⇒ Power-on time 18%/h
- ⇒ Can be tilted (-15° manual).
- ⇒ Soft Start / Soft Stop
- ⇒ Low noise level < 45 dB
- ⇒ Environmental temperature from +5°C to 40°C
- ⇒ Connection to room control system possible (refer to P.09 image 5)
- ⇒ Automatic TV switch-off (refer to P.08)
- ⇒ Millimetre-exact programming of the stopping point (refer P.10)
- ⇒ 110V emergency power supply (refer P.12)

**Scope of supply:**

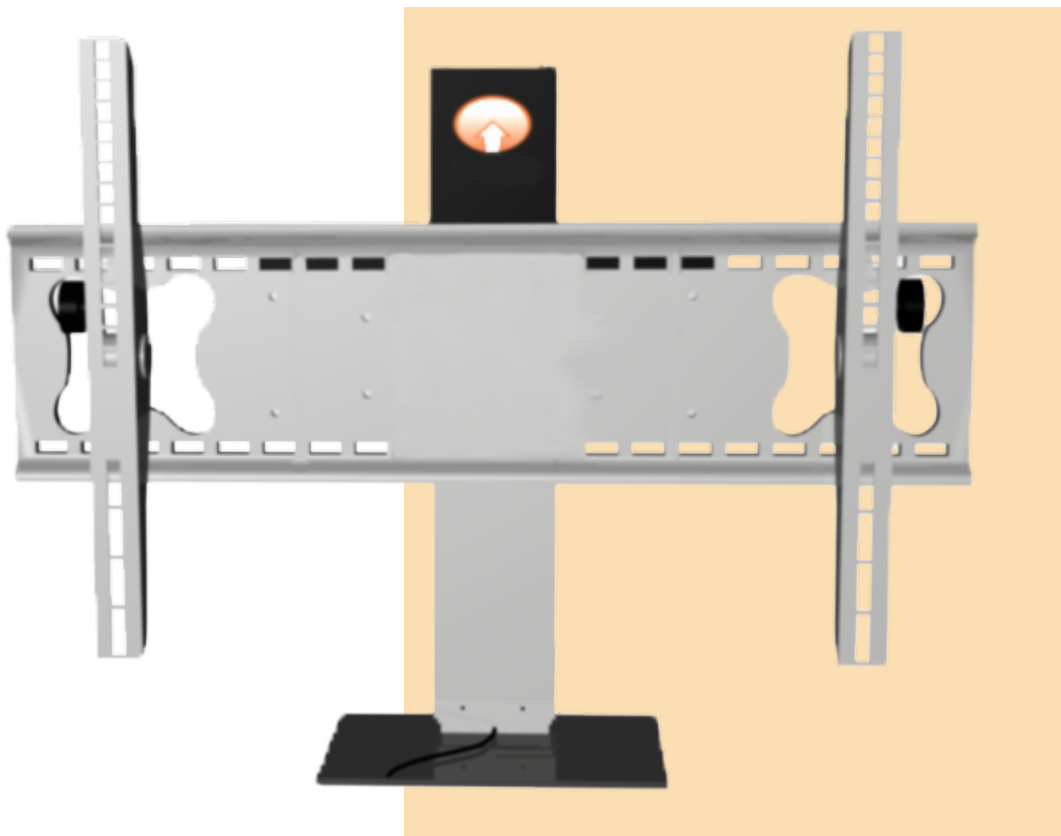
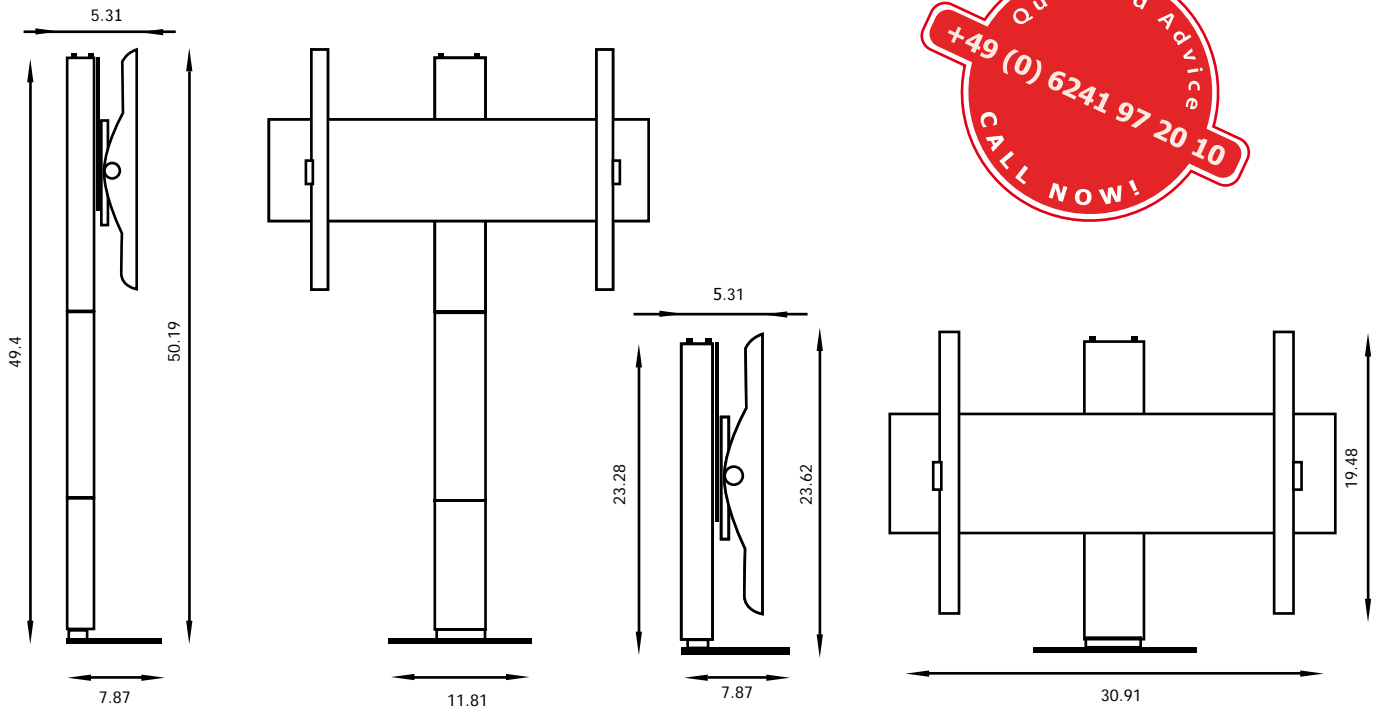
- ⇒ Flatlift Pop-Up
- ⇒ Control box
- ⇒ 110V power cord
- ⇒ Motor cable
- ⇒ 12V wall power supply for the receiver
- ⇒ IR receiver
- ⇒ IR remote control
- ⇒ Automatic TV switch-off



* not relevant



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Initial set up:

1. In order to prevent the system from tipping over, fix your Pop-Up installation base to the floor using 4 screws (image 1 no. 1).
2. Connect the Flatlift (image 1, no. 3) with the motor cables (P.07, image 3) and connect these with the control box (image 2, no. 5) at connection point '1'. The motor cables must be connected starting at port 1 and going up.
3. Connect the RJ-45 Western plug of the touchpanel (P.07, image 6, no. 7) to the control box (image 2, no. 6).
4. Connect the control box (image 2, no. 4) with the power cord (P.07, image 4) to the mains supply.
5. Connect the IR eye (P.07, image 5) with the touchpanel. Be sure, that the IR eye (p.07, image 5 no. 9) is not hidden. Place the IR receiver well visibly, because it is very important for the connection between your IR remote control and IR eye.
6. You are now able to mount your TV set on the system. To do this, uncouple the two holders (image 1 no. 2). Attach these to your TV and then secure the holder subsequent to putting the TV set in place by screwing in the safety screw (image 1, no. 4).
7. And that's it. Now you can use your IR remote control comfortable with the buttons „up” and „down” (P.07, image 10, no. 10 and no. 11) to control your Flatlift system.

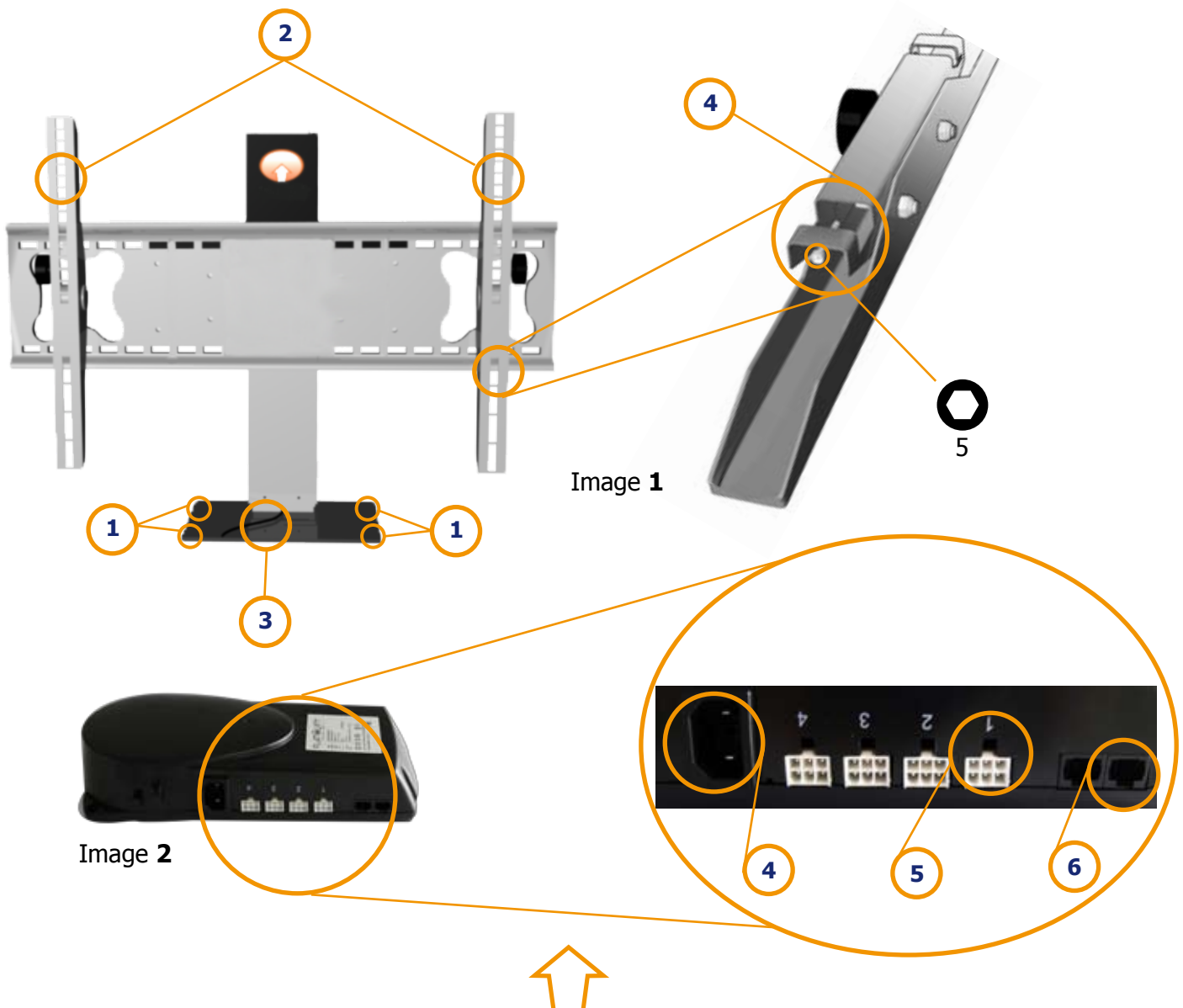




Image 3



Image 4

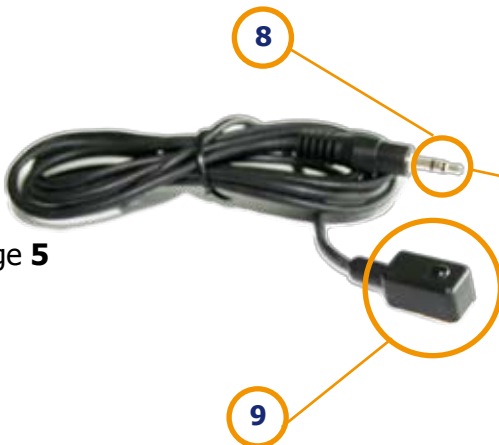


image 5



Image 6

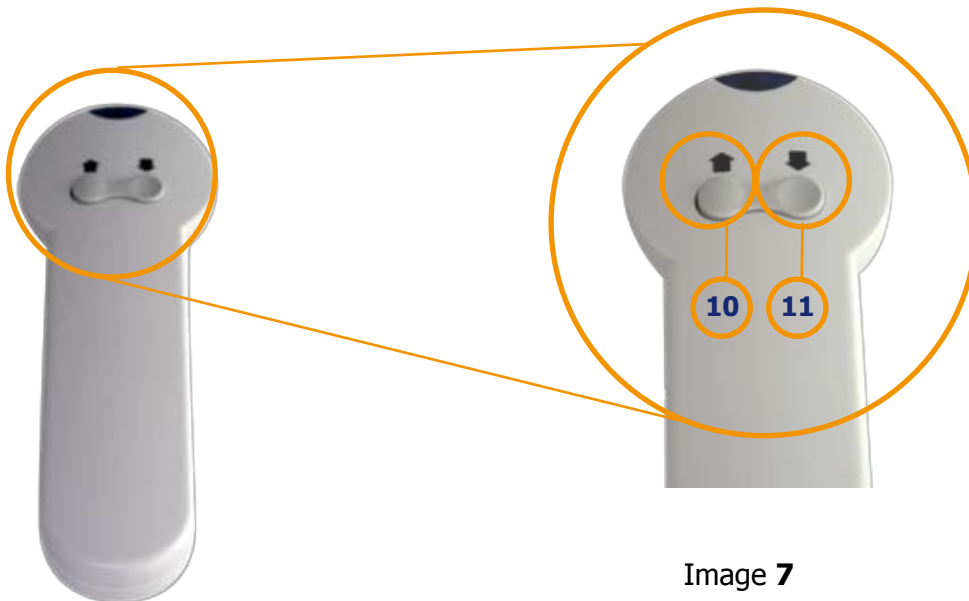


Image 7



Automatic TV switch-off

The automatic TV switch off feature is a safety precaution which we ourselves have developed and which will automatically switch off the TV should the TV be retracted into the console when it is turned on in error. This means that any damage to the TV set e.g. by overheating in the console, is prevented. A further advantage is the fact that when it is in a lowered Flatlift position, the Plasma / LCD flat screen is completely switched off and doesn't remain in standby operation. With an additional 110V switching contact (image 9), in this way you are also able to completely switch off your DVD player or your complete home movie system. This helps you to actively save electricity as standby operation is one of the biggest triggers for costs in German households.

Image 7 electrical connection (110V 60 Hz safety plug)

Image 8 Cable to TV set (rubber connector)

Image 9 Cable to DVD player or home movie system (rubber connector)

Image 10 Flatlift control box, permanent power supply (rubber connector)

Image 11 Signal connector (must be connected to port 2 of the control box at all times)

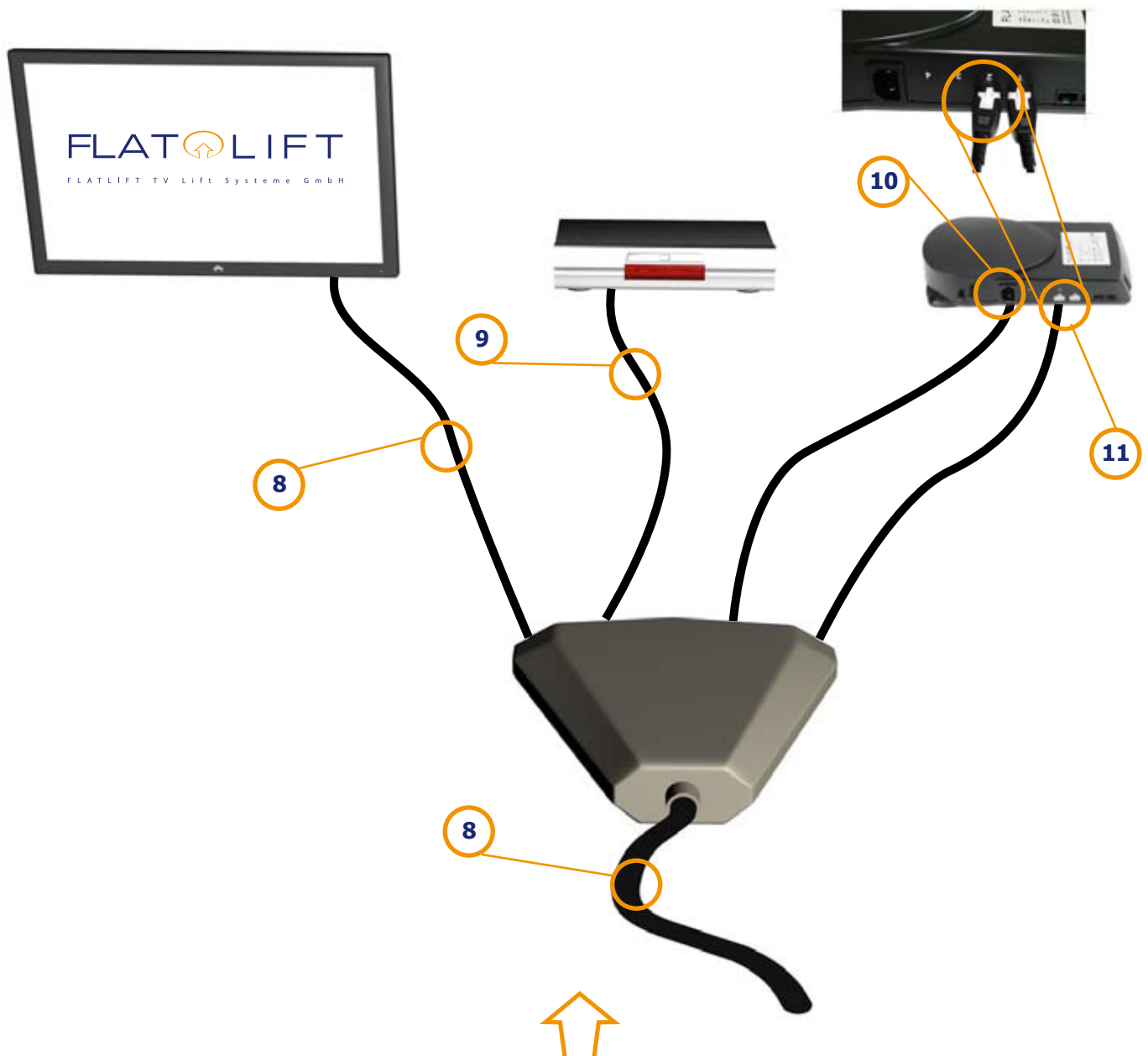




Image 1

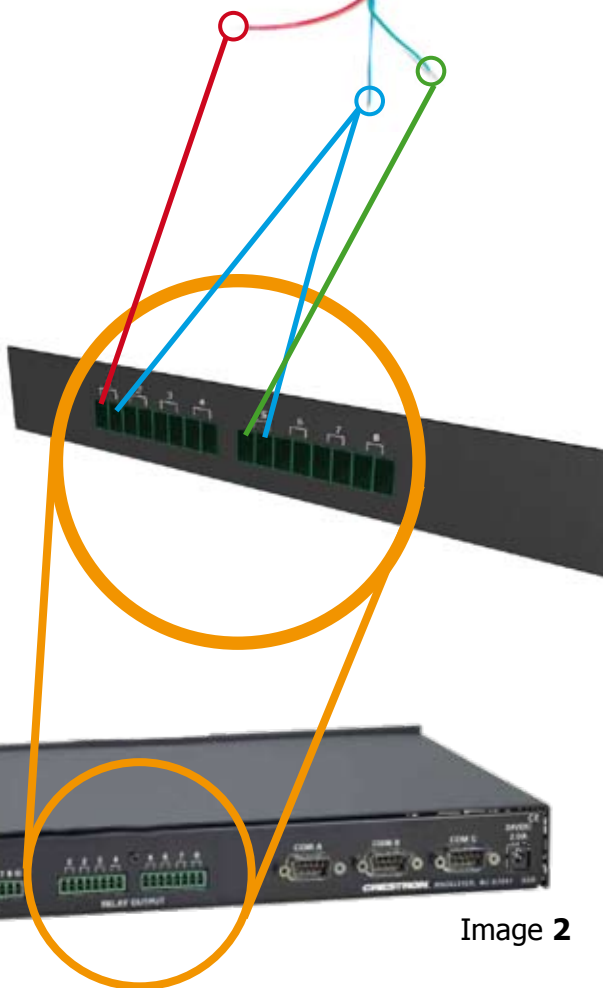


Image 2

Connection to a room control system:

You can connect your Flatlift to a room control system (image 6) if this system has 2 relay outputs with potential free contacts. These relays must be actuated for a programmable time period.

- 1) Use the cables (red, blue and green) from the image 1.
- 2) Now connect the blue and red cable to one of the relay outputs (control command: lower Flatlift).
- 3) Bridge the blue cable onto the second relay output and also attach the green cable to this relay output (lift Flatlift).



Please download our Software at following Weblink:

www.flatlift.de **(you get the complete download link after buying this product)**

Install this Software on your Computer. Our Software runs at this time with Windows XP and 2000. Flatlift USA ist not responsible for defects or lost data on your Computer which may caused by mis-handling while installing our software!

Attation: The software will not running with Windows VISTA! In the next months there will be a beta version for Windows Vista available. In some cases it could be that your Windows Computer does not have the 32ocx.dll. In this case you can download this missing library on Microsoft website. After downloading the library you must copy it to the Windows shell library on your computer.

Before your are starting with the programming, be shure that all cables and the power voltage are connected.

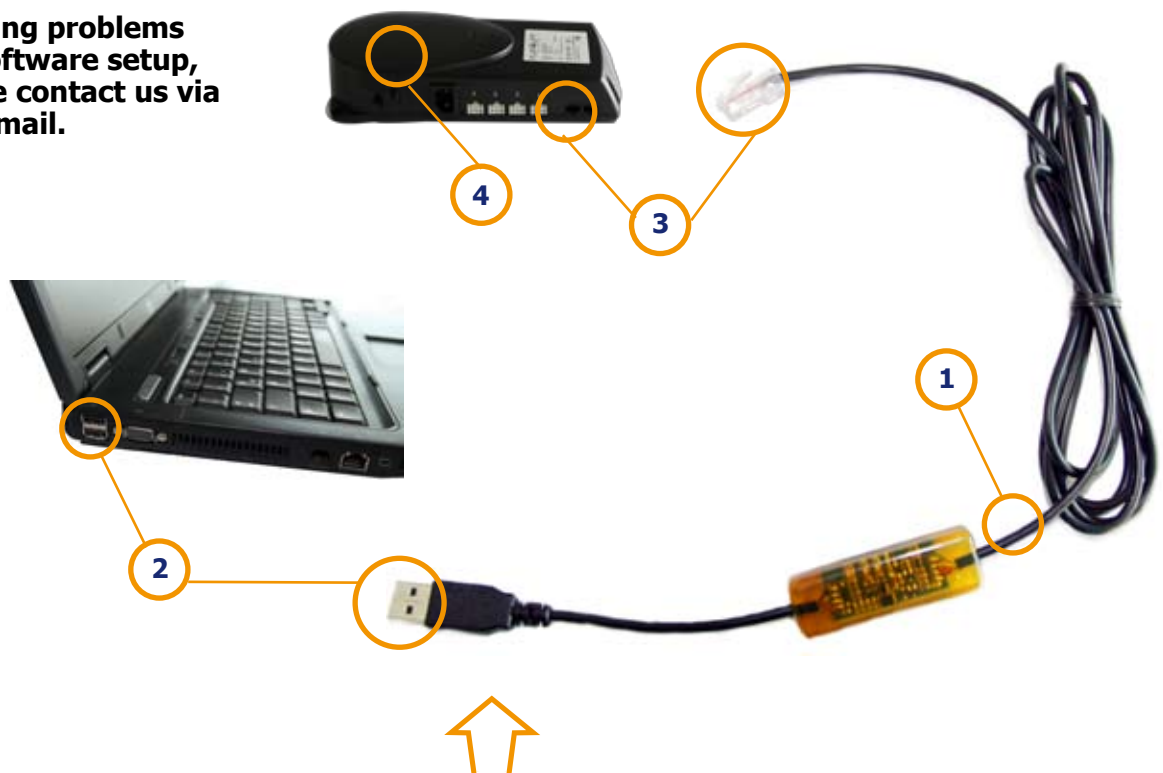
Connect the communication cable (no. 1) on the USB port with your Notebook or other used Computers (no. 2). Please plug the RJ45 connector (no. 3) into the Flatlift controlbox. When there is a positiv connection, your Computer will find our processor. Then the processor starts to twinkle red and green.

Please open the window of the Flatlift-MC.exe file after your computer is connected to the Flatlift control box (no. 4).

By reversed handling your computer will not find the Flatlift control box (no. 4) and can´t be connect to it. After failed connection and programming trail the background of your Flatlift software window shows a red status and there will ba also a negativ message report in the statusbar (P.12, no. 12)

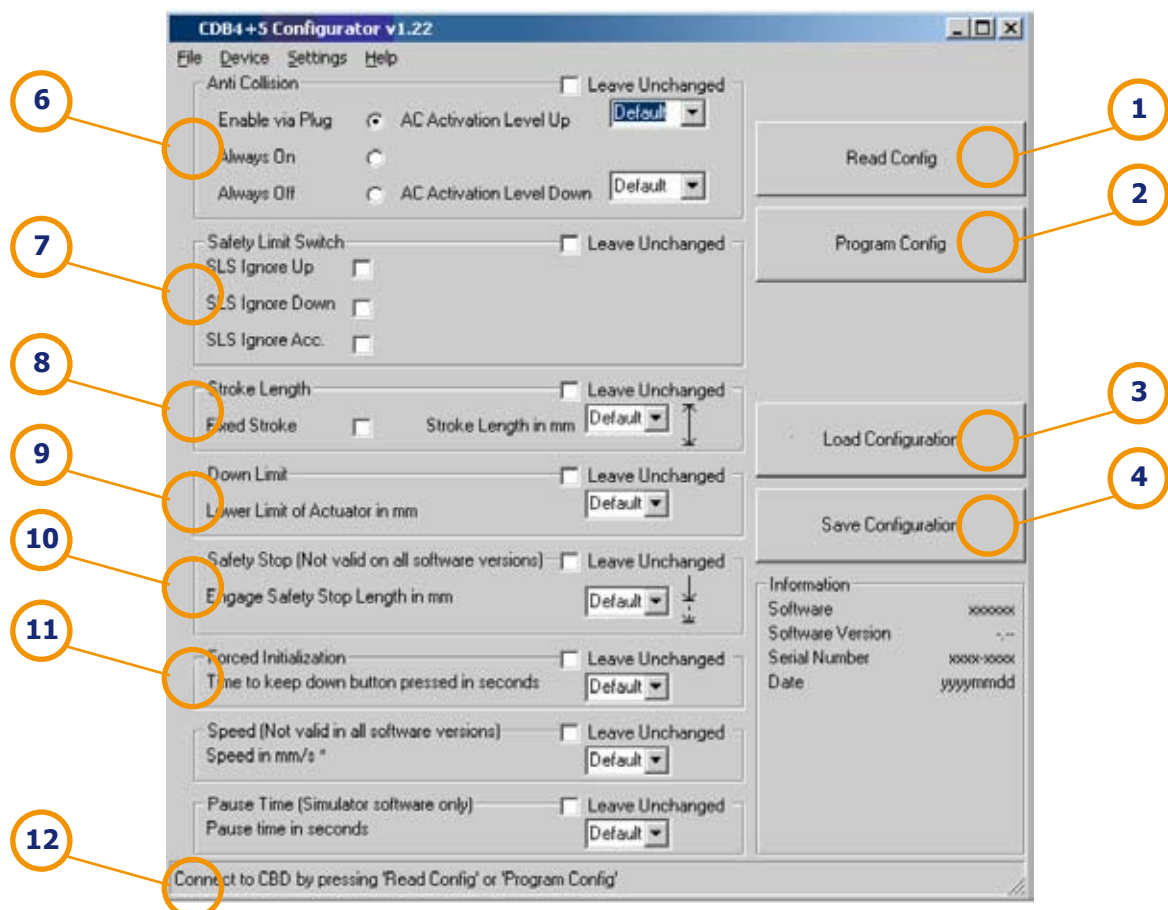
When having a positiv transmission, the background of your Flatlift software window will be green coloured und you get a positiv message report in the statusbar (P.12, no. 12).

When having problems with the software setup, then please contact us via phone or email.



Reset to DEFAULT gives you a fast way to go back to factory settings.

- 1 = Flatlift control box read out
- 2 = Flatlift control box write in
- 4 = Load local data parameter
- 5 = Save local parameter
- 6 = With the Anti Collision configurator you can enable and disable the anti collision or choose if it is disabled/enabled by the plug. You can also set the sensitivity both up and down on the Flatlift control box. The default setting on a Flatlift control box is up = 25 and down = 65. Lower figure will make the anti collision more sensitive and higher figure less sensitive.
- 7 = N / A
- 8 = For setting of the stroke length start with enabling the function then type in the wanted stroke in mm. The 30/42 Platinum has only a stroke 26.58" so the max. you can type in is 26.58".
- 9 = With the down limit you can set a down limit that will limit the traveling downwards. Type in the distance in mm you want the leg to stop before lower end stop. If the system is not initialized at start up or at position lost the Flatlift will move to end stop. So the limitation is only active under normal operation conditions.
- 10 = N / A
- 11 = Standard procedure is that you run to lowest position, release the down button and press it again for 2 seconds. Then the system will run a forced initialization. This time of 2 seconds can be changed by writing the number of seconds you want the delay to be before forced initialization will start. This feature will typical be used when a down limit is set. By setting a long time it will prevent the user from driving under the down limit by unintended pressing of the down button in the down limit position. We recommend to set the forced initializing time up to 30 sec. so you will be sure that your setted down limit will not be over driven while pressing twice the down button.



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Electrical power outage!?! Not with us!

With the Flatlift emergency power supply (FEPS) you can operate the Flatlift device when the main voltage is gone. This is an ideal protection when using the Flatlift Platinum Lift system on a Yacht or a Vessel. If a electrical power outage while rough sea will happen then you have the chance to operate the Flatlift with the FEPS system to move the Flatlift to a save position (lowered position).

Over voltage insurance

Also the FEPS is coming with a US\$180.000 overvoltage insurance. This means if a lightning will force into your system when using our FEPS then all to the FEPS connected systems are insured. (TV, Home Cinema, Projectors.....)

Technical details:

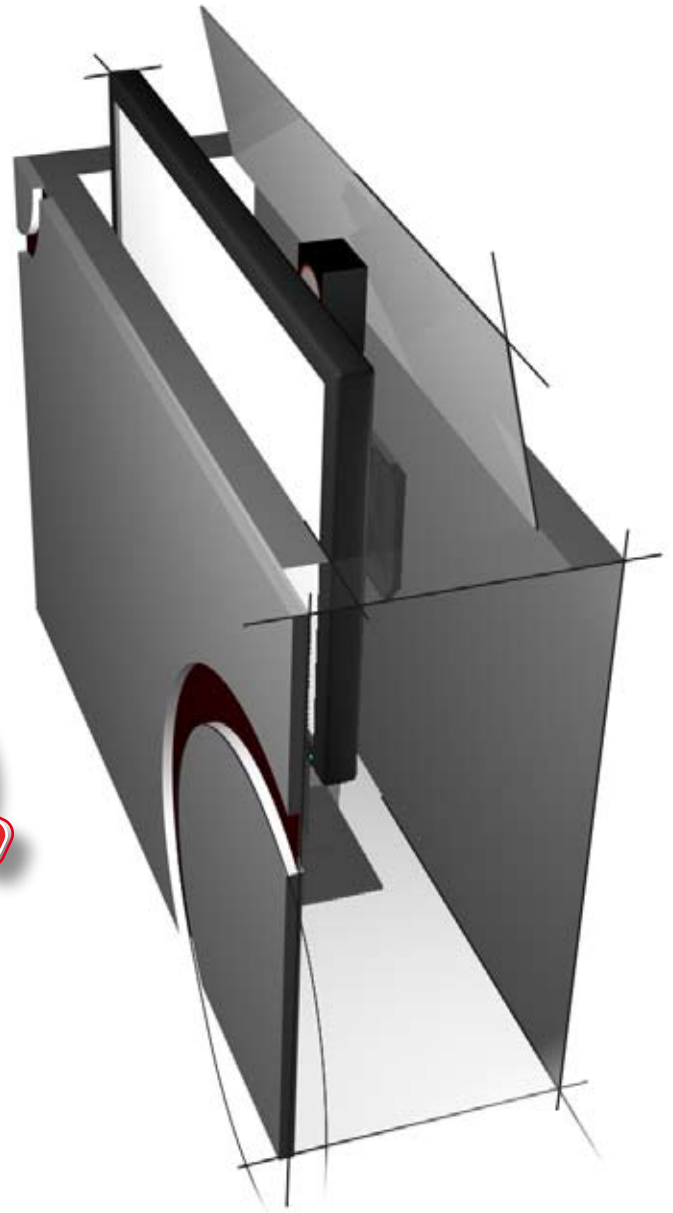
Voltage:	110V / 10A / 60Hz / 2300W
Accumulator capacity:	650VA (390W)
Accumulator supported plug in ports with over voltage security:	3
over voltage security plug in ports:	3
Cable length:	2m
Switching to accumulator when reaching under/over voltage :	165-276VAC +/- 6%
Output voltage:	110V +/- 6%
EMI/RFI-noise filter:	Frequency range 150khz-150Mhz
Attenuation:	Bis zu 43dB Reduktion
Average charge time:	<12h (please charge before use)
Energy in Joule:	1620J
Max. voltage peak:	45000A
Over voltage:	6000V



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Image 1

**TV tilting:**

The TV can naturally also be tilted using the side hand wheels by up to 15° (Image 2).

If you want the TV set to be tilted, please remember to set up the Flatlift system accordingly to ensure that it doesn't collide with the case when moving.

**Lid variation 1:**

A lid closing mechanism on the rear section of the unit incorporating spring damped hinges which opens automatically when the Flatlift moves upwards. Different lid closing solutions are available depending on the realisation of the project (image 1).

The A/V installer which is installing the Flatlift thus enjoys flexibility and can also change the lid solution again at a later time. When the Flatlift retracts, the cover closes softly thanks to the spring dampened hinges.

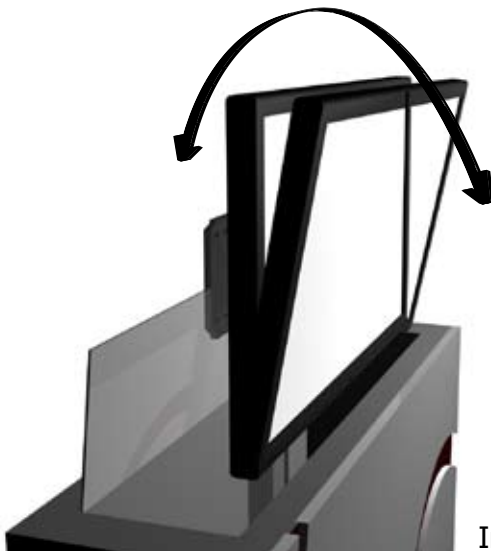


Image 2



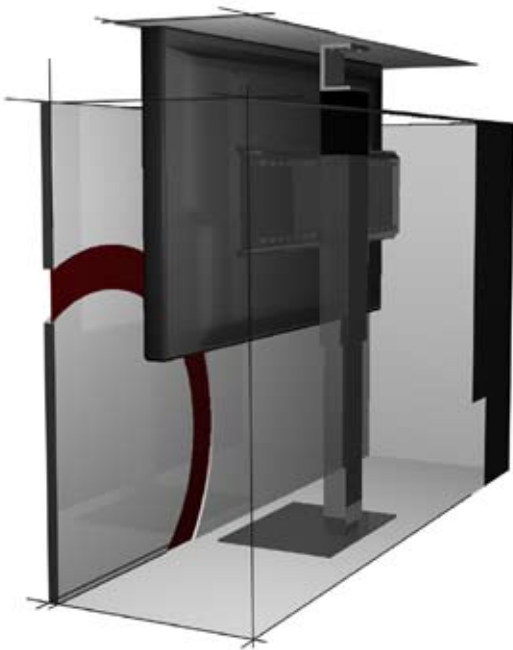


Image 3

Lid variation 2:

In this version, the lid goes up with the Flatlift and rests on the top of the TV set. This variation is known as the 'floating top' version.

Depending on the customer requirements, you can also attach the lid to the Flatlift using a U-bracket and/or attach it to the TV holder with 2 L-rods, as shown in image 4.

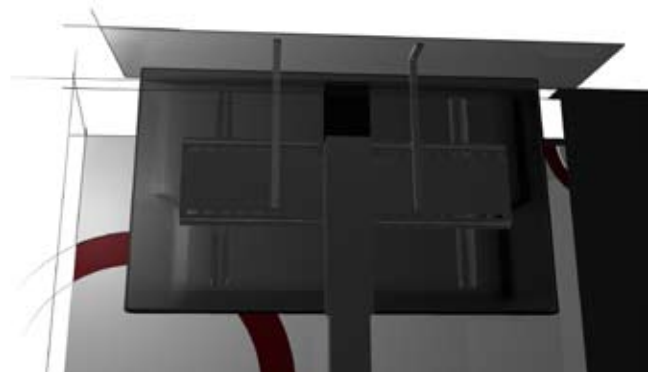
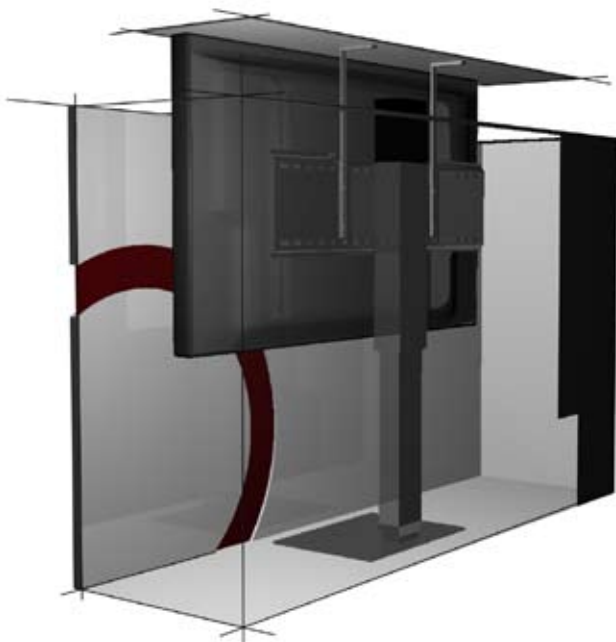


Image 4



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Image 5

Lid variation 3:

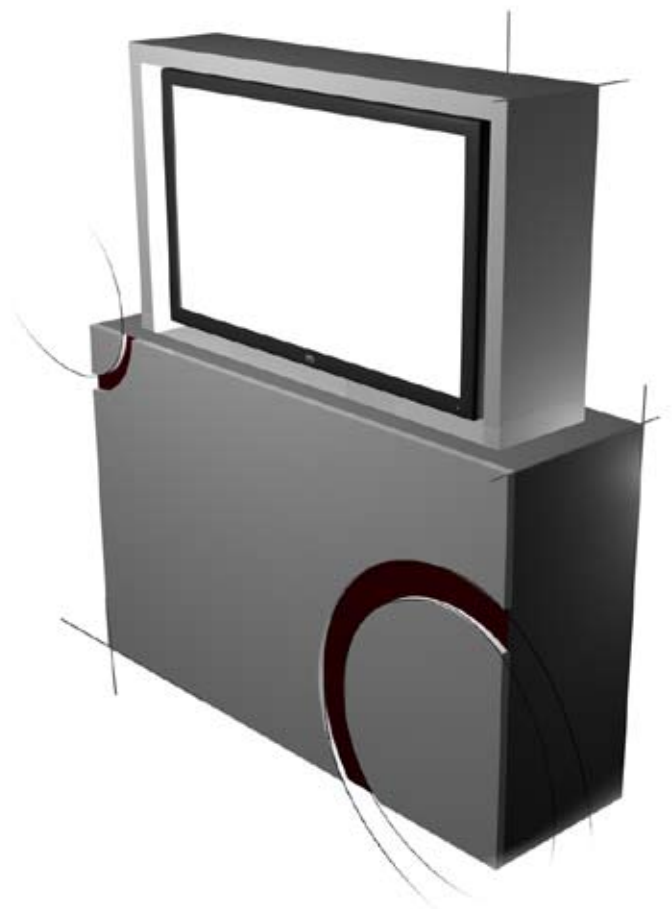
With this solution a complete enclosing of the TV is achieved, which blocks out the back of the TV set. This variant is often used in divided rooms and/or on yachts.

WARNING!

With the complete covering of the TV set, the weight of the TV and the weight of the covering must not be too much for the lifting power of Flatlift.



On image 5 (cross section), you can see how the case has been attached to the Flatlift. This variant is similar to lid version 2 (refer to P.11, image 3). When the Flatlift is fully retracted, the lid is flush with the rest of the top of the unit.



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Recommended installation for integration with furniture:

The 30/42" Flatlift Pop-Up Gold has a lift height of 26.58" in. As different installation options are possible for the system, we will now explain how the system is to be best arranged with installation on a cabinet.

The following rule applies with cabinet and/or furniture installation:

There must be at least 0.39" in clearance underneath the TV which is attached to the Flatlift. This clearance is always required for the initialisation run. Clearance of at least 0.39" in must also be provided above the TV. When the Flatlift is fully extended, we also recommend a minimum clearance of 0.39" in between the bottom edge of the TV set and the top surface of the furniture.

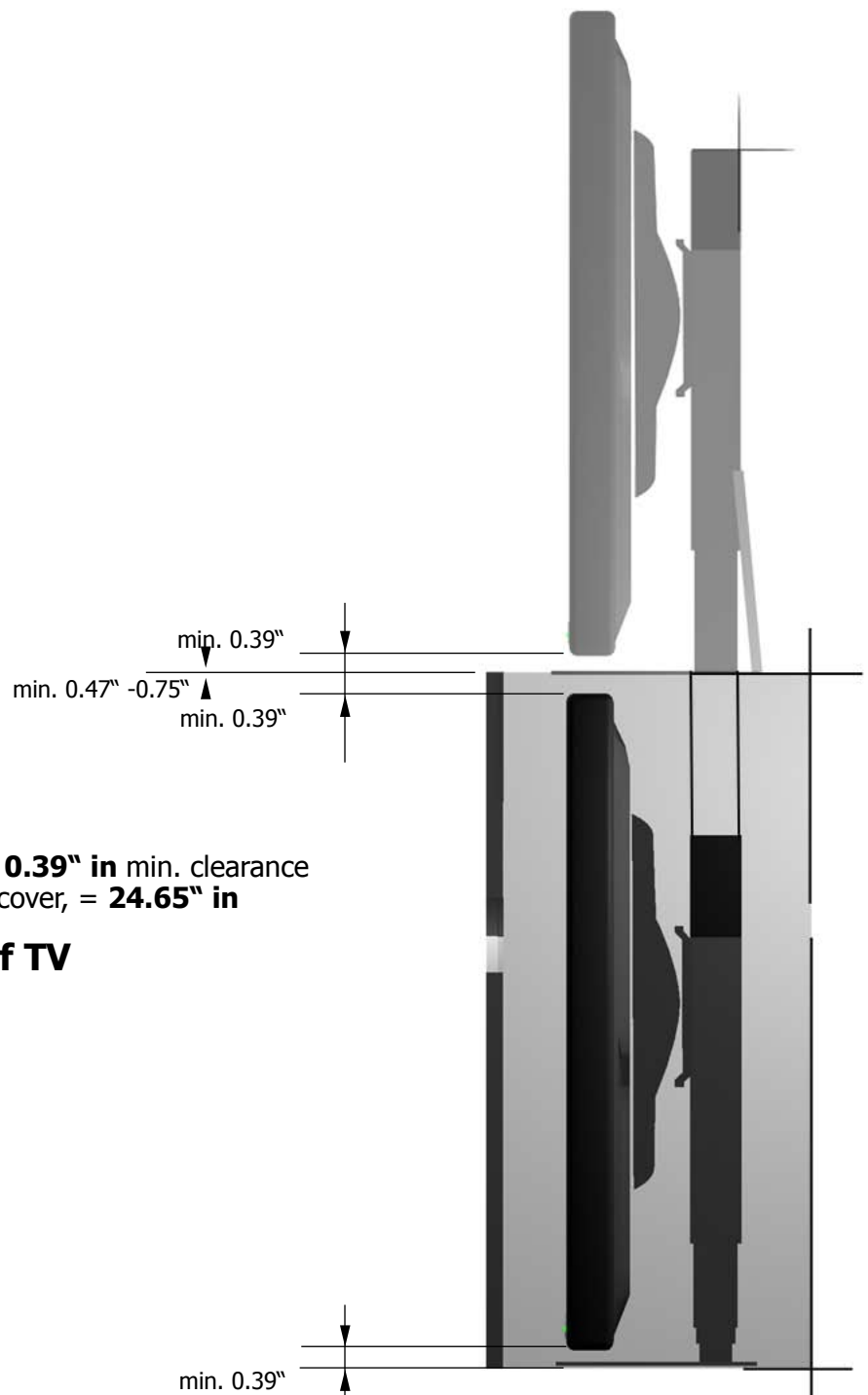
The following calculation formula therefore results with concern to the height of the TV set:

Lift height, Flatlift = **26.58" in** - **3 x 0.39" in** min. clearance - (0.47" to 0.75" in) thickness of the cover, = **24.65" in**

24.65" in = max. height of TV

If your TV is bigger or heavier, we recommend you to change over to the next Flatlift in the range, the 43/50" or 52/60" Flatlift Pop-Up Gold.

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Set up at sofa or couch:

For installation behind a couch or sofa, the following calculation formula results:

Example:

Height of sofa = lift height of 26.58" in - 0.39" in min. clearance from floor - 0.59" in projection = 650 mm

25.6" in = max. height of TV

With this TV set, the sofa must not be higher than 25.6" in. The same thing applies to the TV. If the TV height is less than 25.6" in mm, then you can also place the Flatlift on a platform which is the same height as the resulting height difference to the upper edge of the sofa (image 1).

If your TV is bigger or heavier, we recommend you to change over to the next Flatlift in the range, the 43/50" or 52/60" Flatlift Pop-Up Gold.

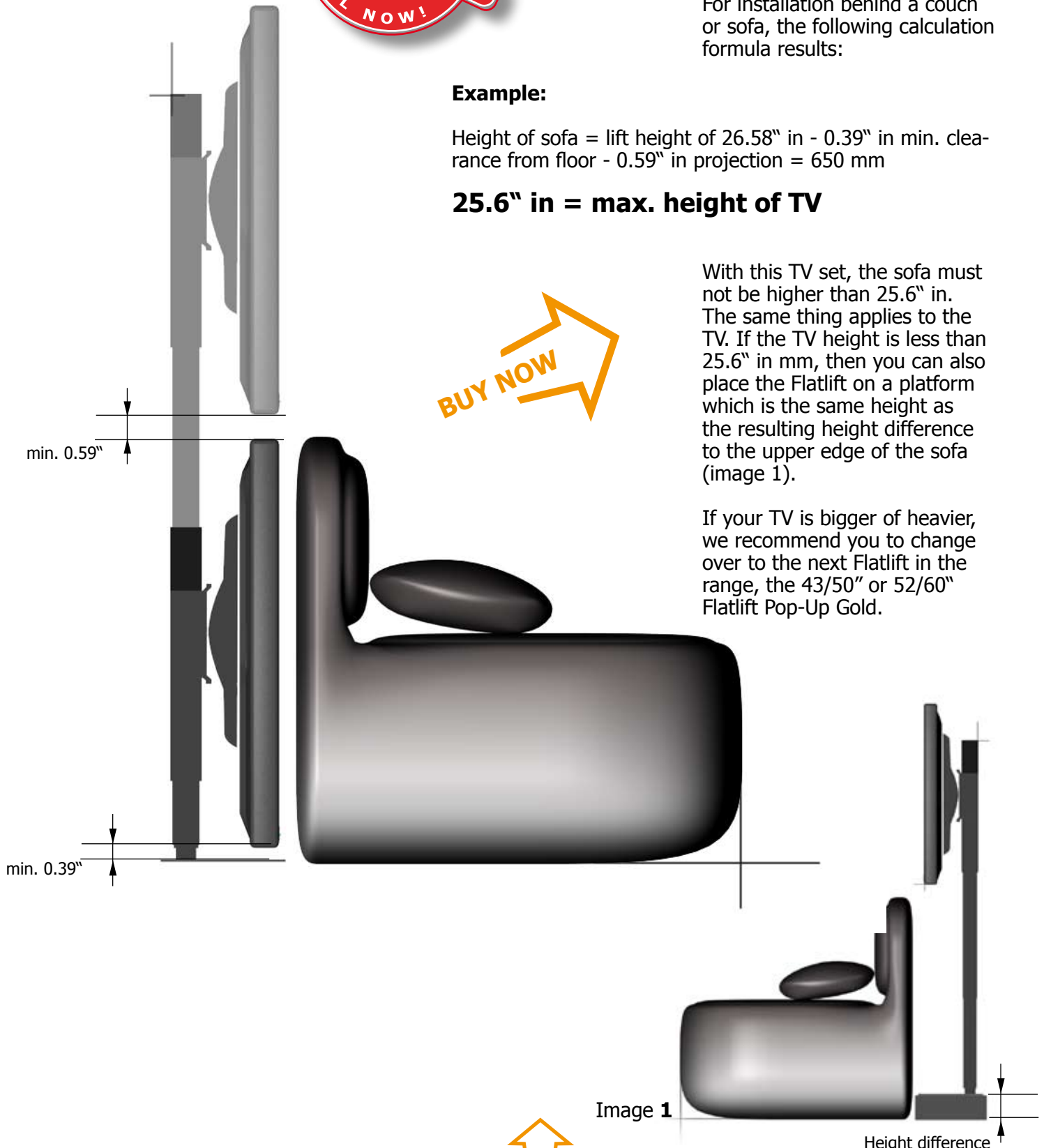


Image 1

Height difference



Trouble shooting:

If your Flatlift is not working properly, please make sure you check the following things:

The Flatlift won't move up or down

- ⇒ Is the power cord attached to the control box?
 - S Check the mains connection
- ⇒ Are all of the plugs properly connected to the control box? (NOTE: plugs which are not connected properly can damage the system)
 - S Check all of the connections
 - S The motor cables must be connected starting at port 1 and going up
- ⇒ Is there any evidence of damage to the cables, the control box, the remote control or the Flatlift?
 - S Damaged components must be exchanged. Please contact us.
- ⇒ The Flatlift has stopped and will only move in the wrong direction.
 - S Is your Flatlift fully extended already?
 - S Is the TV too heavy?
 - S Remote control command possibly deleted!
 - S Programming or initialisation error!
 - S Stopping point incorrectly programmed
- ⇒ Have you, in error, attached a TV to your Flatlift which is too heavy?
 - S Take the TV off the Flatlift and now see if the Flatlift works.
- ⇒ Is the remote control working?
 - S Change the battery in the remote control if necessary.
- ⇒ Is the receiver receiving the signals?
 - S When activating the remote control, the relay should 'click' on both channels. (If the receiver does not 'click', please delete the channels and reset them. Refer to page 9)
- ⇒ The lifting mechanism jerks or stutters?
 - S Please check as to whether another frequency source is also transmitting at 433 MHz in your house (possible sources of problems: garage door opener, baby phone, alarm system or intercom). With a frequency jammer you will have to change over to a frequency of 868 MHz! A free changeover from 433 MHz to 868 MHz is only possible within the first 7 days subsequent to the date of delivery.

Please contact us if this particular point is relevant to you.

If you experience any problems setting your system up or you experience an error, you can also contact us over the telephone or via Email:

Customer Service:

Via email: info@flatlift.net

Our telephone service time is 7.30 am - 5.30 pm. The telephone number is 1 800 571 0543. Please have the following information at hand / or include it in any email that you sent to us:

- ⇒ Your customer number
- ⇒ Your invoice number or delivery receipt number
- ⇒ The purchase date of your Flatlift
- ⇒ The name/model of your Flatlift system



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FLATLIFT References



Legal Notice

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