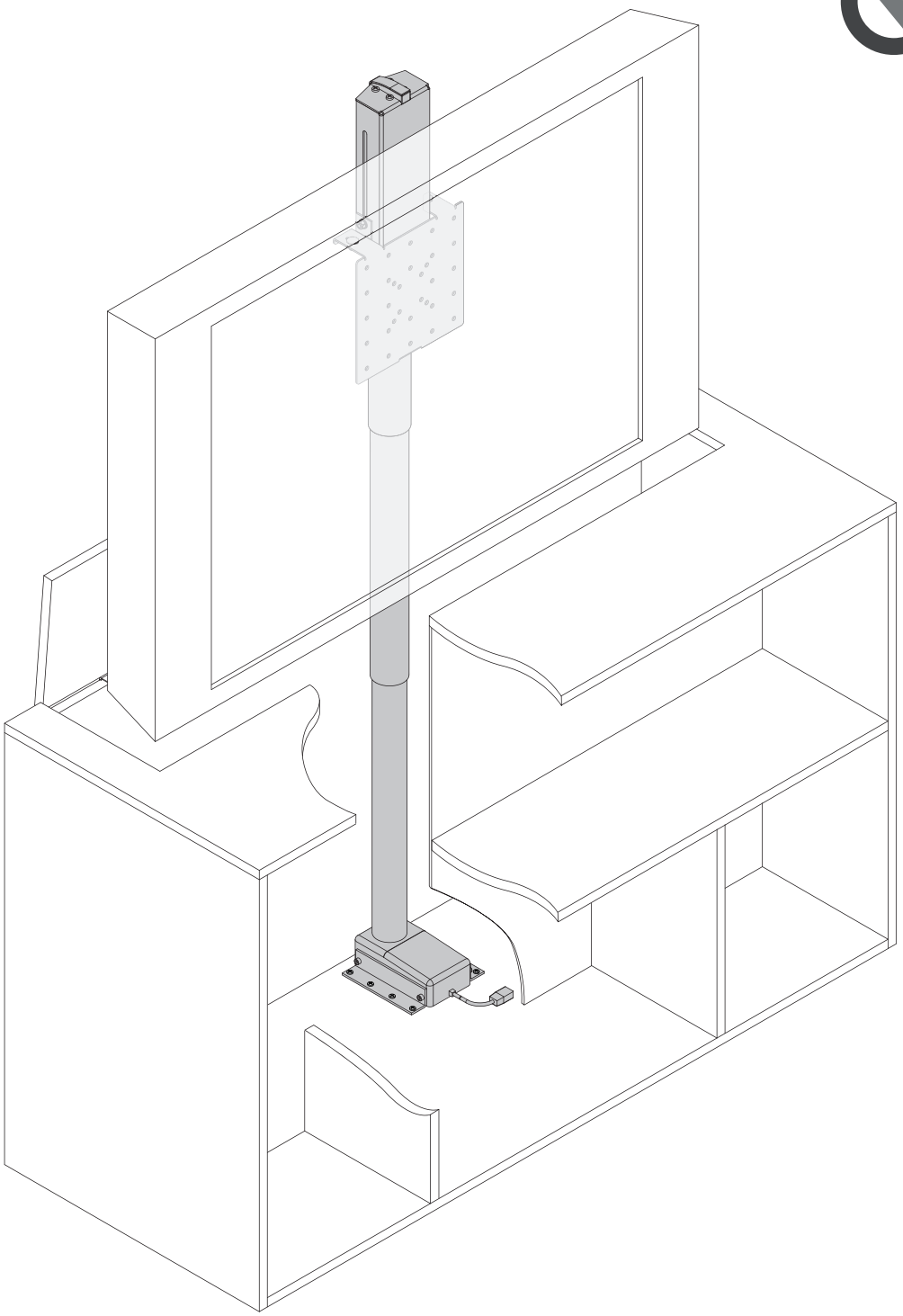
07 / 2017

VAUTH SAGEL

VS ADD Flat Move

Operating and assembly instructions

VAUTH SAGEL QUALITY MADE IN GERMANY



Important document for the consumer

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1. GENERAL EXPLANATIONS

1.1 Introduction

This TV lift system has been constructed in accordance with the current valid German and European norms, regulations and guidelines and therefore corresponds with the generally approved technological rules at the time of delivery.

1.2 Intended Use

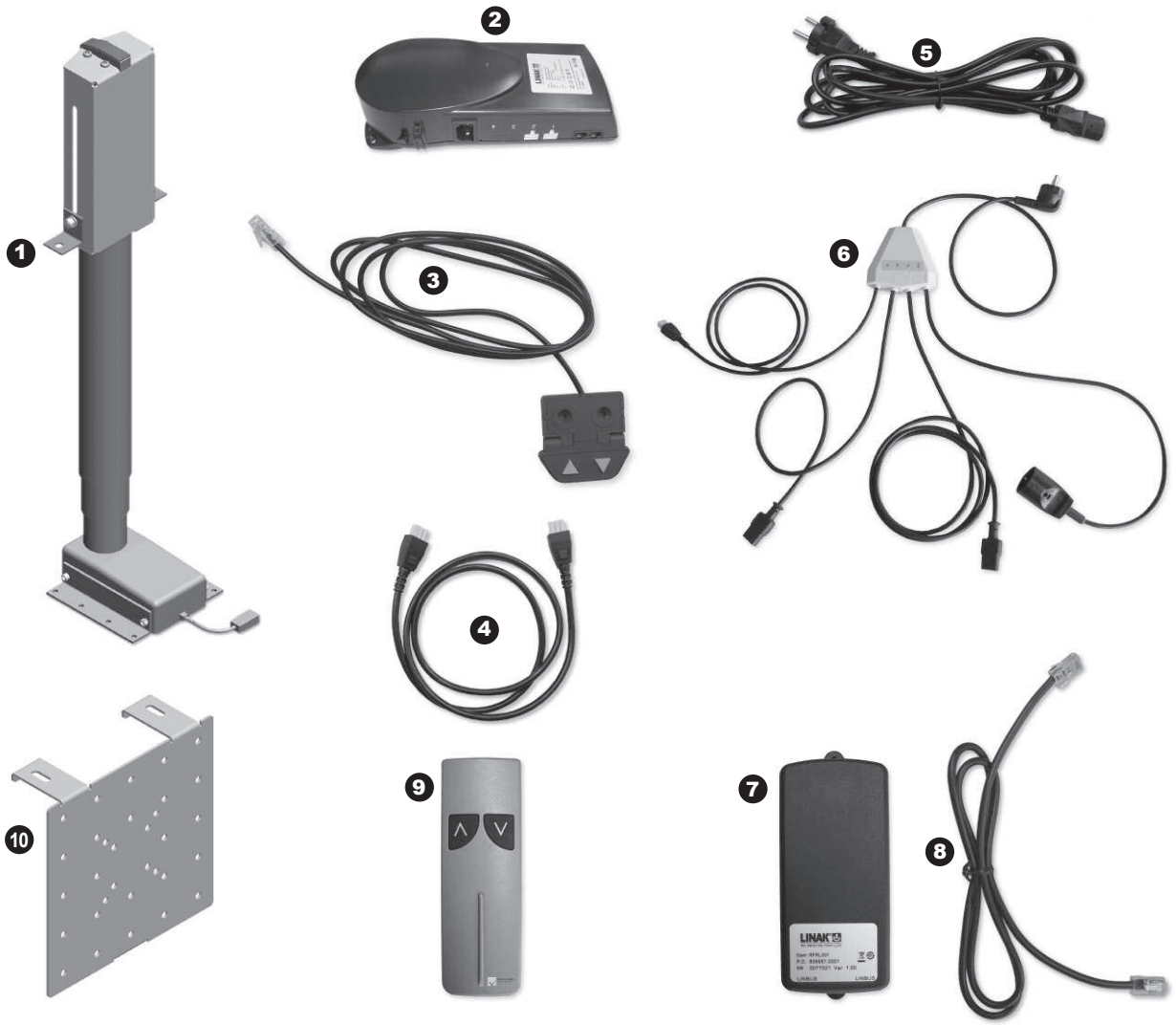
The TV lift system may only be used for lifting and lowering flat screens with suitable fastening threads and the original system components in accordance with the operating and assembly instructions and is intended for installation in furniture.

1.3 Safety Information

- Read the operating and assembly instructions fully in order to avoid damages caused by incorrect operation or failure to observe the operating and assembly instructions.
- Keep the operating and assembly instructions in a safe place throughout the lifespan of the product.
- Please pass the operating and assembly instructions to future owners or users.
- The general requirements for safe design must be observed when installing the TV lift system in a piece of furniture. In case of any doubt, the respective technical rules and norms must be used (e.g. DIN EN 14749).
- A minimum clearance of 25mm must be provided between the TV and the opening in the furniture.
- Observe the minimum clearances, safety information, fixing and ventilation regulations in the operating manual provided by the TV manufacturer.
- Pay attention to the correct laying of cables => no crushing, shearing or buckling (the travel path must be considered).
- The mains plug must be accessible in order to be able to be disconnected in case of any danger.
- Attention must be paid to the even distribution of the load when installing the TV. Off-centre loads can lead to damages to the system.
- Disconnect the mains plug from the socket before checking, repairing or cleaning the system.
- Check the system for visible damages at regular intervals (e.g. breaks in the cable, splits in the housing etc).
- The system may not be operated if there are any damages.
- Overloading the system should be avoided – refer to the maximum load in section 9.
- Only allow repairs to be performed by an authorised specialist.
- Only original parts may be used.
- The system is only intended for use in interior areas.
- Protect the system against moisture.
- This system is not intended for use by persons (including children) with limited physical, sensory or mental capabilities and/or a lack of knowledge unless they are supervised by a person who is responsible for their safety or have received instructions from them on how the system is to be used.
- Children should be supervised to ensure that they do not play with the system.
- Only operate the TV lift system using the remote control if the movements of the system are in sight.

2. EQUIPMENT

Pos.	Components	Comment
❶	**Telescope drive**	
	Fixing screws	8 x Spax-Panhead 5 x 20
❷	**Control box**	
❸	**Operating element**	
❹	**Motor cable**	
❺	**Mains cable**	Dependent on features
❻	**TV switch-off**	Dependent on features
❼	**Wireless receiver**	Dependent on features
❽	**Wireless receiver cable**	Dependent on features
❾	**Remote control**	Dependent on features
❿	**Retainer plate**	
	Fixing material for retainer plate	2 x mushroom head screw M6 x 16 2 x washers 8,4 2 x hexagon nut M8



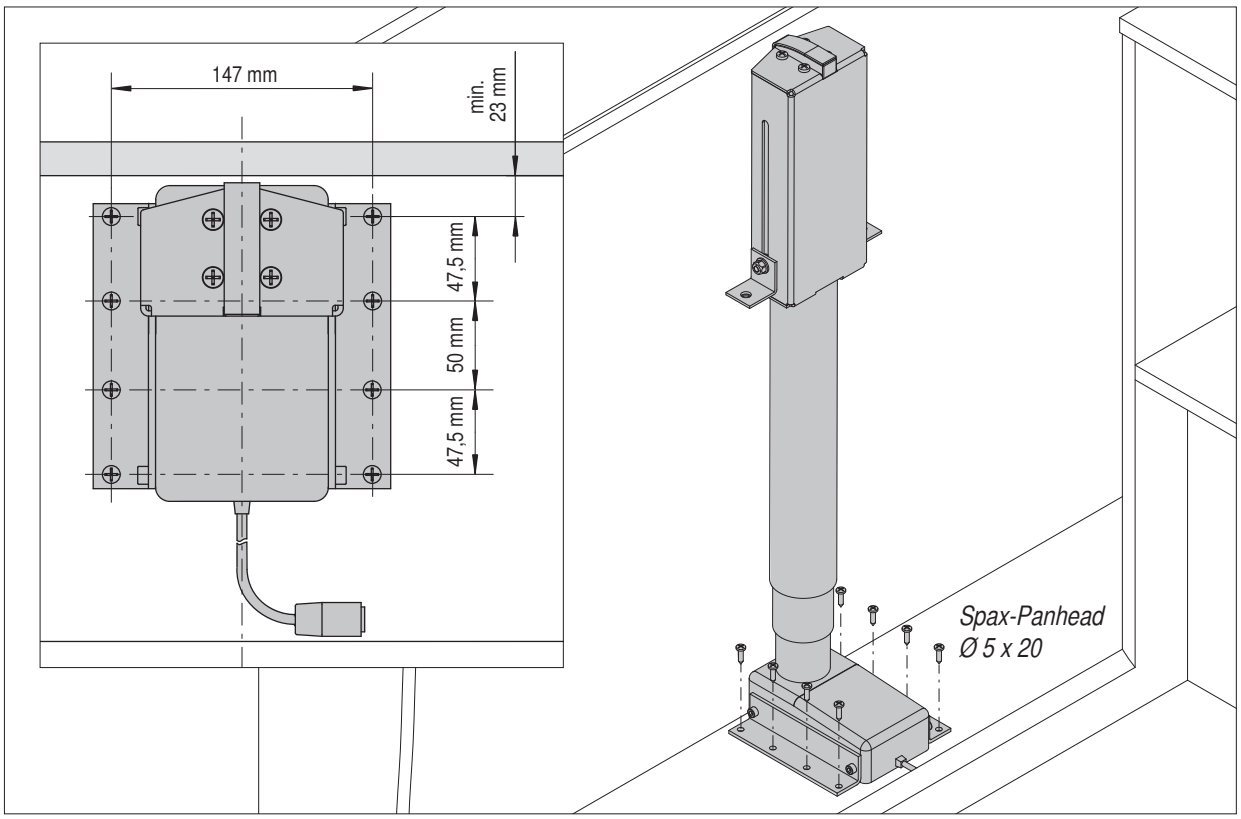
3. FEATURES

The Vauth-Sagel TV lift system has been specially developed for lifting and lowering flat screens and has the following features:

- Smooth and jerk-free accelerating and braking to preserve the flat screen
- Anti-collision function – if the system collides with a solid object when moving, the drive stops and moves back approx. 50mm in the opposite direction. The function is not intended for clamp protection but is intended to protect the system against major damages.
- Screen retainer plate with fixing option according to the VESA norm 50, 75, 100 and 200mm.
- Easy assembly and alignment as well as safe fixing of the flat screen.
- For systems with TV switch-off: 250mm before reaching the bottom final position, the mains connection for the flat screen and an additional unit is switched off from the mains. This prevents screens which are switched on in closed furniture from overheating. Additional units can be automatically switched off to save energy.
- For systems with remote control, a position can be adopted at a height which has been set by the user with the operating element.
- The remote control is equipped with a so-called life-time battery which means that it is not necessary to replace the batteries.
- For safety reasons, the operating buttons must be continuously pressed to drive the system in and out. The system stops as soon as the button is released.

4. ASSEMBLY

1. Mount the telescope drive on the lower base.
Please consider the additional weight of the screen and use **all** of the fixing drill holes! The base of the furniture must be laid out for the load and additional protection measures are to be arranged if necessary.

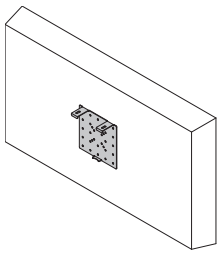


2. Screw the control box to an accessible point with 4 screws (8 to 10mm diameter) or fix it to the base.
Consider the travel path of the TV when positioning the control box and the other components.
The cables may not be bent or damaged.

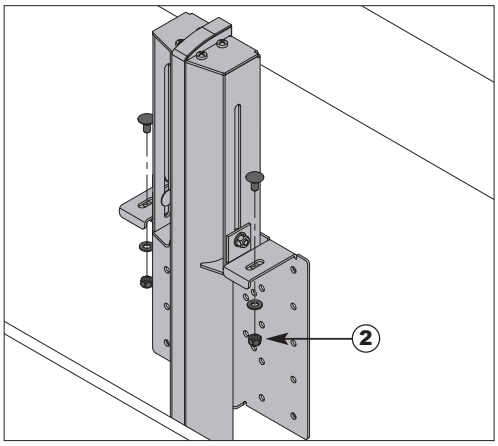
3. Mount the operating element with 2 screws to the point provided on the piece of furniture.

4. Connect the electrical connectors: refer to section 5.

5. Mount the retainer plate to the flat screen.



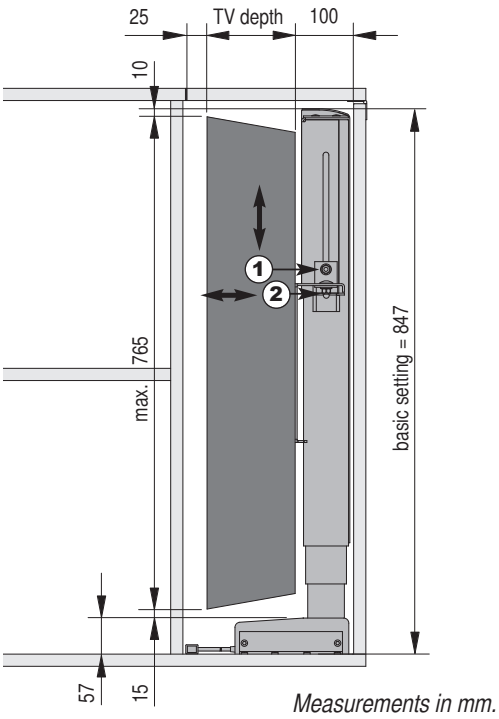
6. Drive the telescopic column upwards out of the piece of furniture.



7. Hang the screen with both hook flaps on the retainer plate to the corner of the telescopic column, insert the mushroom-head screws from above and screw from below with the washer and hexagon nut (key width 13) in position 2 so that the connections can still be slid.

8. Set the height of the screen so that a clearance of 10mm between the top edge of the screen and the top edge of the telescopic drive remains.
There must be a minimum clearance of 15mm between the bottom edge of the screen and the motor housing of the telescopic drive which results in a maximum screen height of 765mm.

Make sure that the screen is horizontal.
To set the height, tighten the two hexagon nuts (SW13) pos. 1.
Then set the depth of the screen and fix (tighten) with the hexagon nuts (SW13) – pos. 2.



Measurements in mm.

After assembly, check whether it is possible to drive the mounted screen on the TV lift without it colliding with any objects and check whether all cables have been laid correctly (no cables are crushed, sheared or buckled etc).

Caution: Initialisation height = basic setting - 80 mm
Refer to sections 9. - 10.

5. ELECTRICAL CONNECTIONS

Note: the mains plug should only be inserted when all other connections have been connected.
The system may only be connected with the mains voltage stated in section 9.

5.1 Establishing the electrical connections

1. Connect the **motor cable** to the telescopic drive and insert the second end of the motor cable into the connection (1) of the control box (illustration 1).
2. Insert the **operating element** into the connection (b) or (c) the control box (illustration 1).
3. Insert the IEC **power connector** on the mains cable into connection (A) of the control box (illustration 1).
   Slide the cable under the strain relief hook – refer to illustration 2. The mains cable does not apply if a TV switch-off is available.
4. Depending upon the version -> connect the **wireless receiver cable** with the **wireless receiver** and insert the second end of the cable into the connection (b) or (c) the control box (illustration 1).
5. Depending upon version -> connect the cable (IN) for **TV switch-off** (illustration 3) with the connection (2) of the control box (illustration 1).
6. Depending upon version -> connect the cable (CB) (IEC power connector) for the **TV switch-off** (illustration 3) with connection (A) of the control box (illustration 1). Clamp the cable under the strain relief hook – refer to illustration 2.
7. Depending upon version -> connect the cable (TV) (IEC power connector) for the **TV switch-off** (illustration 3) with the flat screen – only carry out this step after assembly of the flat screen.
8. Depending upon version -> an additional unit can be connected to the cable (AUX) (Schuko socket) of the TV switch-off.
9. Mains socket of the **mains cable** or depending upon version -> connect the mains plug (B) of the **TV switch-off** (illustration 3) to the mains.

Control box connections

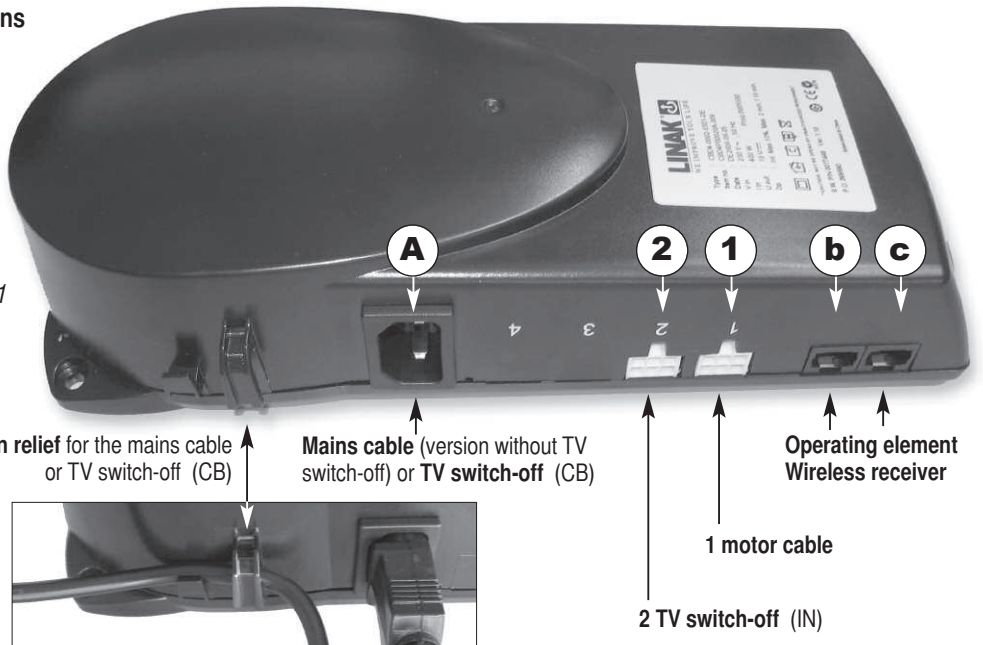


Illustration 1

Illustration 2

TV switch-off connections

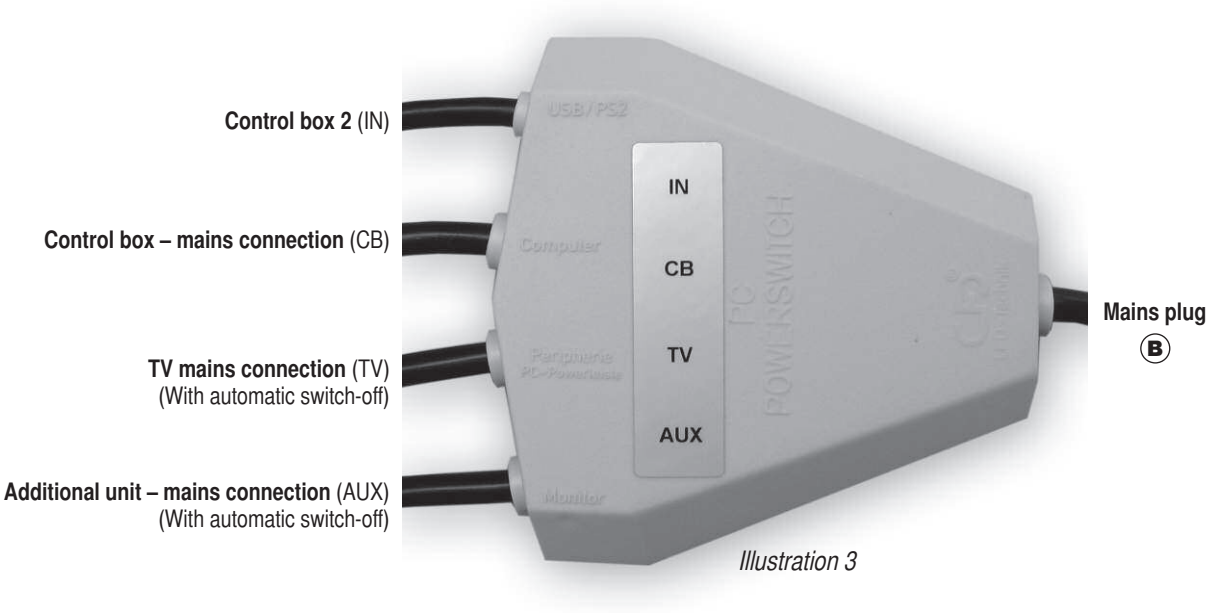


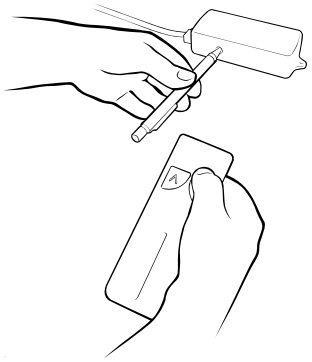
Illustration 3

6. OPERATION

For version with remote control:

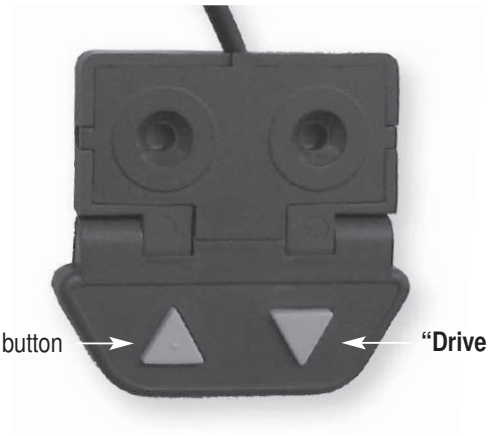
Before the system can be set with the remote control, the remote control and the wireless receiver must be aligned (wireless receiver stores the remote control's identification code). This alignment also ensures that no external signals can control the system.

The alignment process:
Press and hold in the reset button on the wireless receiver using a pen or a similar object. Press one button on the remote control at the same time. Then release the button and the reset button. The alignment is then completed and the system can be controlled with the aligned remote control.

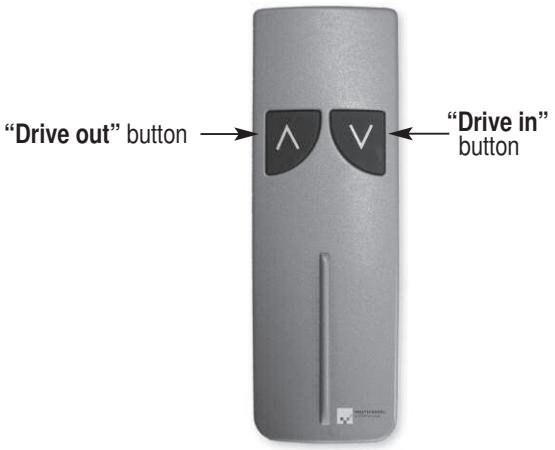


Note:
The functional range of the remote control is approximately 6 m. Depending on the environment in which the remote control is used, this range may be smaller. Under certain circumstances, it is possible that other equipment which uses the same transmission frequency can cause faults. These faults can cause the TV lift to stop during operation but external signals cannot activate the system. If the system stops due to these faults, it can be driven again after releasing the operating button.

Operating element



Remote control (optional)



The buttons must be held down to set in the respective direction

Important note:
The **operating element** can be used to drive the system inwards and outwards at any height.
When using the **remote control**, the system can be driven in to the lower final position but can only be driven out up to the maximum drive out level set on the **operating element**. This enables the user to always precisely set the previously set maximum upper drive out position of the TV with the **remote control**.
The defined height position can only be changed with the **operating element** by driving the TV lift with the operating element to the required height and only undertaking further settings with the **remote control**.

Warning: if the lowest position is driven with the operating element, the system records this as a maximum drive out height and setting with the remote control is no longer possible. The system must be set to the required drive out height once again by using the operating element.

7. SYMBOLS USED

	Observe the danger information in the operating and assembly instructions
	For use in interior areas
	Protection class II – the drive system is protection isolated
Int. 10 % 2 min/18 min	Only use the drive system intermittently! After a maximum of 2 minutes continuous operations, do not use for at least 18 minutes!
CE	Symbol for compliance with the norms and regulations which are relevant for the given intended use

8. LABEL

Vauth-Sagel Systemtechnik GmbH & Co.
D-33034 Brakel-Erkeln Neue Str. 27 Tel. 05272/601-01

Article/type:	**Flat move**
Mains voltage:	**230V 50-60 Hz**
Input power:	**400 W**
Operating mode:	**inter. 2 min/18 min**
Max. load:	**60 kg**
Customer order no:	**31054266**
Series no:	**001**
Year of construction:	**10/2008**

CE

The label is positioned on the side of the external pipe of the telescopic column.

9. TECHNICAL DATA

Electrical data	Mains voltage	230 V ~ 50-60 Hz
	Input power	400 W
	Output voltage	18 V
	Operating mode	Int. max 10 %, max. 2 min/18 min
	Remote control frequency	433 MHz
System data	Installation height/basic setting	847mm +5/-2mm
	Initialisation height	847mm (basic setting) - 80 mm
	Installation depth	195 mm (motor housing)
	Width	245mm (retainer plate)
	Hub	885 mm
	Maximum screen height	765 mm
	Maximum load	60 kg
	Hub speed	45 mm/s
	Environmental temperature	+10°C to +40°C
	Screen fixings	VESA 50, 75, 100, 200 mm (VESA = fixing standards for LCD and plasma screens e.g. for VESA 50 the clearance between the vertical and horizontal fixing holes is 50 mm.

10. FAULT DIAGNOSIS / FAULT CORRECTION

Fault	Possible cause	Checks
The system does not drive	Ils the mains cable connected to the control box?	Use a test lamp or similar device to check whether the operating voltage in the mains connection is OK.
	Are all plugs inserted correctly?	Check all connections (refer to section 5)
	Are any damages to the cables, manual operating elements, control box, TV switch-off or the telescopic drive visible	Damaged parts must be exchanged for original replacement parts
The system stops when it is driven out and can only be driven in	Is the system fully driven out?	Once the system has reached the highest position it can only be driven downwards
	Is the system loaded above the maximum stated load (refer to section 9)	Unload the system and try again
	The max. drive out height is set using the operating element – the system cannot be driven higher using the remote control	Set to drive out height using the operating element – refer to section 6
The system only drives downwards at a low speed although it is not overloaded.		**Do not drive down system any further!** Check measurement from top edge of telescope drive to lower edge of TV. If less than 695 mm - then initialise the system refering to section 10.1, if more than 695 mm, dismount the TV before initialising the system refering to section 10.1
The system cannot be driven using the remote control	The system is driven to the lowest position using the operating element	Set a different drive out height using the operating element - refer to section 6

10.1 INITIALISATION

Press the “drive in” button. The telescopic drive drives into the bottom position. Release the button briefly (approx. 2-3 seconds) and then press the “drive in” button for at least 20 seconds. During initialisation, the system will be lowered approximately 5 mm (Caution: basic setting - 80 mm) and then raised again. This signalises the end of initialisation. Never release the “drive in” button during initialisation.

11 CLEANING AND MAINTENANCE

Before checking or cleaning the system, disconnect it from the mains by removing the mains plug from the socket.
Check all connections, cables, plugs and housing for damages and splits at regular intervals.
Remove dust and dirt from outside the system with a moist cloth at regular intervals.

12 DISPOSAL

This product may never be disposed of with household waste.
The disposal of recycling of the product must be carried out in accordance with national and local regulations!

13. MATERIAL DEFECTS LIABILITY AND PRODUCT LIABILITY

- The manufacturer is not liable for damages which occur due to incorrect treatment, wear and tear, maintenance or other actions.
- The legal claim for material defects liability expires one year after transfer of the goods. This does not represent a durability guarantee.
- The customer is obliged to comply with the inspection obligations in accordance with §377 HGB (code of commercial law) even if the goods are sold on.
- The manufacturer reserves the right to choose between improving and resupplying the goods.
- The expenses required for supplementary performance will not be covered by the manufacturer if these expenses increase due to the goods being brought to a location other than the customer's commercial location. This does not apply if the goods are taken in relation to the intended use of the object.
- Right of recourse by the customer against the manufacturer due to material defects liability claims which the customer encounters from buyers is excluded if the customer has not complied with the inspection obligation and obligation to give notice of defects.
- The customer may only resell the goods for the intended purpose and must ensure that these goods are only sold to persons who are aware of the product dangers and risks.
- Liability by the manufacturer in accordance with legal regulations for replacement of damages is unrestricted if a breach of obligations attributable to the manufacturer is intentional or caused by gross negligence. If a breach of obligations attributable to the manufacturer is based on simple negligence or if an essential contract obligation is culpably violated, damage replacement liability is restricted to the foreseeable damages which typically occur in similar cases. Liability is excluded in all other cases.
- Liability according to the regulations of the product liability laws remains unaffected. Liability for death, physical damages and damages to also remains unaffected.

The textual description and illustrations do not necessarily correspond with the scope of the delivery or any orders for replacement parts. Sketches, diagrams and illustrative drawings are not to scale.

Publisher:
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