

Operation Manual

Double Bench



Dear Customer,

» We are delighted that you have chosen our motu table. This instruction manual explains how this sit-stand table is put into operation, used, maintained and maintained.

All sit-stand tables are subjected to a function and quality test before they leave our factory. Should you still have problems with your table frame, you can contact our service department at any time. Changes to the table frame or improper use can affect safety, function and service life! This instruction manual is intended for the sit-stand tables of the motu Double Bench furniture series with electric height adjustment. Due to different designs/types, illustrations may be different.

Karl Westermann GmbH + Co. KG

Content

| | |
|---|----|
| INTENDED USE..... | 3 |
| TARGET GROUP AND PREVIOUS KNOWLEDGE | 3 |
| SYMBOLS USED IN SAFETY INSTRUCTIONS..... | 3 |
| SAFETY | 4 |
| GENERAL SAFETY INSTRUCTIONS | 4 |
| BEFORE INSTALLING, UNINSTALLING, OR TROUBLESHOOTING | 5 |
| SETTING UP | 6 |
| BEFORE COMMISSIONING | 6 |
| DURING OPERATION | 6 |
| IMPORTANT SERVICE NOTE | 7 |
| REPAIRS | 8 |
| WARRANTY | 8 |
| MAINTENANCE | 8 |
| CLEANING + CARE INSTRUCTIONS..... | 8 |
| ASSEMBLY | 10 |
| SERVICE..... | 16 |
| INITIALIZATION / RESET | 16 |
| TROUBLESHOOTING..... | 17 |
| CLICK CODES OF THE CONTROLLER | 18 |
| SPECIFICATIONS..... | 19 |
| EXAMINATIONS AND CERTIFICATES The drive system is tested according to:..... | 19 |
| CONTACT | 20 |

INTENDED USE



This sit-stand table may only be used as a temporary workplace in the professional sector. Changes to the table frames are not permitted. This sit-stand table must be assembled, put into operation and functionally checked by expert personnel.



The use of this sit-stand table for a purpose other than those mentioned above, e.g. as a lifting platform, seating, etc. is not allowed.

TARGET GROUP AND PREVIOUS KNOWLEDGE

The following knowledge is required for the commissioning of the sit-stand tables:



- Basic mechanical and electrical engineering knowledge (corresponding. Education)
- Read the user manual

SYMBOLS USED IN SAFETY INSTRUCTIONS



Danger: This safety notice indicates an imminent danger to the life and health of persons! Failure to follow these instructions can result in health effects, life-threatening injuries and damage to property.



Attention: This safety note indicates possible dangers from electric current! Failure to follow these instructions can result in injuries and damage to property!



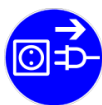
Note: This safety note indicates important information that must be observed for the safe operation of the sit-stand table.



Danger: This safety notice indicates a possible risk of crushing, which exists in exceptional cases. Failure to follow these instructions can result in health effects, life-threatening injuries and damage to property.



Note: Reference to the obligation to read the operating instructions!



Note: Before the next activity, the power plug must be unplugged!

SAFETY

This instruction manual contains safety instructions that alert you to possible dangers and thus enable the safe operation of the sit-stand table. Please pay attention to these safety instructions! This section provides general security information that does not apply to any specific Refer to the work step. The activity-specific safety instructions can be found in the respective section of the assembly and operating instructions. Further safety instructions can be found directly on the individual parts of the sit-stand table.

GENERAL SAFETY INSTRUCTIONS



Note: Before commissioning the seat-standing table, be sure to read and observe the operating instructions!



Anyone who operates, uses, maintains or maintains this sit-stand table must have access to this instruction manual.



Attention: The permissible load of the table top is max. 35kg!



Attention: Do not open the motor control under any circumstances! There is a risk of electric shock.



Danger: This device can be used by children 8 years of age and over, as well as by persons with reduced physical, sensory or mental abilities or lack of experience and knowledge, if they have been supervised or instructed on the safe use of the device and understand the resulting dangers.



Danger: Children are not allowed to play with the device!



Danger: Cleaning and user maintenance must not be carried out by children without supervision.



Attention: Only use original accessories from Karl Westermann GmbH + Co. KG. The use of parts and components of third parties is prohibited! The use of unsuitable accessories may result in damage or destruction of the table frame.



Caution: If the power cord of this device is damaged, it must be replaced by the manufacturer or its customer service or a similarly qualified person to avoid hazards.



Danger: When changing the table top position, there is a risk of crushing! Therefore, make sure that there are no objects or persons in the danger zone and that no danger zone is reached!



Danger: All moving parts of the table frame must have the required safety distance of at least 25 mm to adjacent components.



Attention: Modifications to the components of the table frame, including the motor control and the manual switches are prohibited!



Attention: In case of a malfunction (e.g. unwanted movement of the table top, e.g. if a button of the manual switch should jam) please pull the power plug immediately!



Danger: Protect the table frame and especially all electrical components on the table frame from moisture, dripping and splashing water!



Danger: In the event of a fault, it can happen that the table top changes with each Driving off test moves a bit. Be aware of a possible risk of crushing.



Attention: If the product is visibly damaged, makes unusual noises or causes an odor, it must not be further assembled or used!



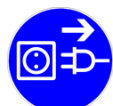
Attention: never put the table on one side and never drop it. There may be damage to the side panels and the engine.



Danger: The electrically driven sit-stand table must not be operated in an explosive atmosphere!

BEFORE INSTALLING, UNINSTALLING, OR TROUBLESHOOTING

- Stop the sit-stand table.



Note: Turn off the power supply and unplug the power cord!

- Relieve the sit-stand table of any weight.
- The opening or replacement of electrical equipment may only be carried out by qualified electricians.
- The table must not be operated in damp rooms, such as bathrooms.
- The table must not be used in potentially explosive atmospheres.

SETTING UP

The Sputnik I and II tables are delivered fully assembled. Changes may only be made by authorized personnel.

- For the table to function properly, the installation site must meet the following conditions: Sufficient bearing capacity of the soil.
- Flat footprint
- Relative humidity 5% - 80% (non-condensing)
- No objects or persons in the lifting / travel range of the table, see below.
- 25mm safety distance to all surrounding objects (e.g. adjacent table, wall).
- Sufficient cable length of any electrical devices on the table



When setting up, please note:



- Ground unevenness can be compensated by means of the height adjusters on each foot.

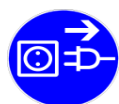
BEFORE COMMISSIONING

- Check if the operating voltage of the table corresponds to the local power supply. (see type plate on the controller, standard = 230V)
- If necessary, make the plug connections from the manual switch and the lifting column to the controller.
- Connect the power cord to the controller.
- When commissioned, the control of the table must be initialized, p. 16.

DURING OPERATION

• If the drives or controls cause unusual noises or odours during operation, disconnect the power supply.

- Make sure the cables are not damaged.
- When operating the sit-stand table, care must be taken to ensure that no objects or body parts can be trapped.



- All moving parts of the table frame must have a distance of at least 25 mm to adjacent components.
- Make sure that there is sufficient cable length for any electrical appliances on the table.



- Attention: Risk of collision and crushing: Make sure that there are no objects in the driving area of the table, i.e. no objects under the table (e.g. roll container, waste paper basket) or above the table (shelf, open window sash) with which the table could collide during height adjustment.

- The table moves up to 720mm (upper edge table top, corresponds to approx. 570mm clear altitude) and stops here ("container stop"). Upwards the table moves up to approx. 1290mm height (upper edge table top).
- If these settings do not suit your circumstances, you can use the



- Deactivate or change "Container-Stop", up to a minimum height of 640mm (upper edge table top, corresponds to approx. 570mm clear height). In addition, an additional shelf stop can be programmed. Beides finden Sie beschrieben auf S. 17.
- During commissioning or if the table has been disconnected from the power supply for a long time, there has been a malfunction at the table or if the connection between the drive and the controller has been disconnected - the control of the table must be initialized, see page 16.

IMPORTANT SERVICE NOTE



Danger: Use only original accessories! These may only be installed by expert service personnel! Otherwise, you will lose warranty and guarantee claims.



Danger: In the event of a malfunction, please contact your customer service immediately!

Only original spare parts are permitted for repairing the sit-stand table. These may only be replaced by expert service personnel! Otherwise, you will lose warranty and guarantee claims.

REPAIRS

In the event of a technical defect in this device, please contact an authorized customer service. The solution for simple possible error cases can be found in the section Error messages!



Attention: In order to avoid malfunctions, all repairs may only be carried out by authorized service personnel.



Attention: If components of this table frame are opened, there is a risk of subsequent malfunctions.

WARRANTY

For these sit-stand tables we give a warranty for a period of 24 months. The

Warranty covers all material and production defects. The warranty only applies under the condition that the tables have been used properly and professionally within the parameters described, that maintenance has been carried out correctly and that repairs have only been carried out by authorized service personnel.

The sit-stand table must not be handled or used improperly and no changes may be made to the table frame, otherwise the warranty will be void.

MAINTENANCE

Periodically remove dust and dirt from the table frame, especially from the guide tubes, and make sure there is no damage and cracks.

Check all mounting screws for a tight fit and all connectors, cables and plugs, as well as proper function.

CLEANING + CARE INSTRUCTIONS



Danger: The control, the manual switch and the table frame, especially the lifting column, may only be cleaned with a dry or slightly moistened cloth. Personal endangerment!



Caution: Aggressive cleaning agents can cause damage or color changes to the product. Therefore, only products with a pH value of 6-8 may be used.



Danger: No liquid should enter the system (controller, manual switch, cable and frame). Endangerment of persons!

Powder-coated metal surfaces

Powder coated metal parts, clean with soft lint-free cloths and water (with the exception of the lifting column, clean them dry, see above!), in case of heavier soiling mild, commercially available cleaning agents, without adding abrasive components. Please always clean metal surfaces carefully without chafing to avoid scratches.

Special notes:

Please do not place sharp-edged or scratchy objects on the surface to avoid scratches.

Melamine resin coated surfaces / HPL compact plate

Plastic-coated surfaces consist of resin-impregnated décor papers and are characterized by a very high wear resistance. Although liquids cannot penetrate the material, dirt or stains must be wiped away immediately. Simply clean the surface with warm water and then dry it with paper or a soft cloth. If contaminants cannot be removed, use mild, commercially available cleaning agents that do not have abrasive components. Depending on the degree of soiling, it is advisable to let the cleaning agent act accordingly. Then wash off with water and dry. Remove all residues of the detergent to prevent streak development. Wipe the surface dry with a clean, absorbent cloth or paper towel. The above method can be improved by means of a cleaning sponge or a nylon brush.

Lacquered wood surfaces / OSB

The varnish protects the wood surface against contamination by a transparent, hard film. The wood surface is thus very well protected against the ingress of impurities. The smooth surface allows easy and easy maintenance. However, liquids should be picked up immediately with a soft cloth and wiped dry.

To clean the surface, it is best to wipe only with a soft, dry cloth, only if necessary with a soft damp cloth and then rub dry. For stubborn stains, curd soap or neutral cleaner can be used. Please do not use furniture polish or furniture sprays! They can attack the paint surfaces or lead to streaking!

Special notes:

Furniture made of solid wood is high-quality natural products. They react to their environment: the

The colour of the wood may change slightly when exposed to light. Excessive fluctuations in ambient temperature and humidity should be avoided as far as possible, as it can lead to cracks and distortion. Please do not place sharp-edged or very heavy objects with a small footprint on the wooden panel, this could lead to scratches or dents.

Linoleum surfaces

Loose dirt can be removed by dust-binding cloths or vacuuming. For the removal of adhering dirt a suitable cleaning agent (neutral cleaner or

Special cleaner for linoleum with pH value <9, e.g. "HARell") according to the manufacturer's instructions in

Dissolve water. Soak a soft cloth with cleaning solution and wring out well. So that wipe the linoleum surface clean. In the case of stubborn dirt and stains, place the undiluted detergent on a soft cloth and clean the dirt with it, if necessary using a white cleaning pad. Pick up the dissolved

dirt with a clean, absorbent cloth and then wipe the surface with a cloth moistened with clear water. For the care and refreshment of dull surfaces: after thorough cleaning, a Apply care emulsion for linoleum (e.g. from "HARell") to a lint-free cloth and spread it with the cloth in circular movements wafer-thin on the linoleum surface. After drying, the surface should be polished with a soft cloth or polishing pad.

Special notes:

Especially in the post-oxidation phase, a "yellow tinge" occurs on linoleum, which

Drying chamber film. This is particularly noticeable in bright colors, but disappears completely under UV light, and the linoleum receives its original color. On the other hand, this "yellow cast" occurs again if, for example, the surface of the pavement is covered with monitors, mouse pads, etc. for a longer period of time, but disappears analogously as described above as soon as the surface is exposed to daylight again. The drying chamber film cannot be removed by means of cleaning.

Flower pots and tubs made of terracotta or clay can leave discoloration on linoleum, please use suitable coasters.

Hand and equipment disinfectants can cause stains due to their high solvent content, if the linoleum surface needs to be disinfected, please use only surface disinfectant suitable for linoleum and test them beforehand on a sample piece or an invisible place.

ASSEMBLY

For the assembly of your table frame, use only the supplied screws according to the attached mounting drawing.



Hazard: During the installation of the table frame, the power cord of the motor control must be disconnected from the mains!

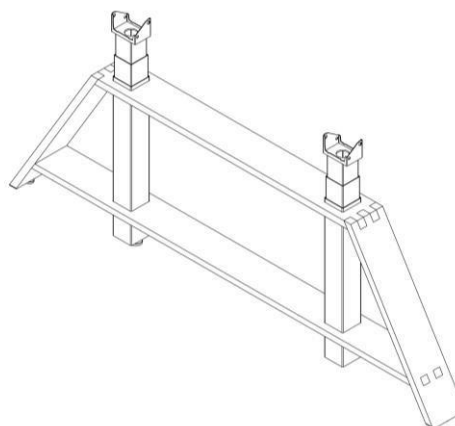


Attention: Before installing and commissioning the sit-stand table, make sure that the product is acclimatized to the temperature and humidity values specified in the technical data for operation!

1) Installation of the foot brackets

Wooden base A-Plus

The version of the Double Bench table base with attached wooden base is already assembled. No further work step is necessary here.



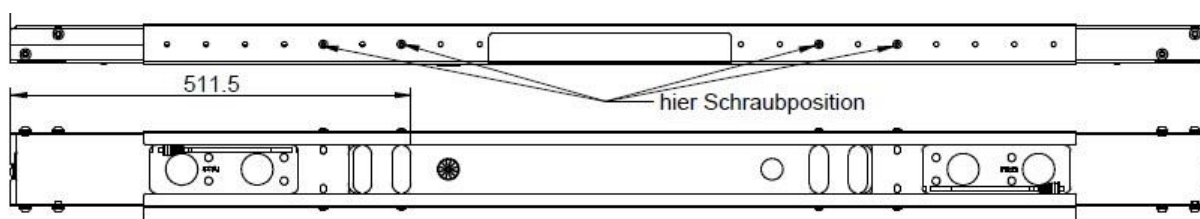
Double bench foot in wood

2) Wiring of the traver

To wire the sit-stand table, proceed as follows:

1) Adjusting the truss length

As a rule, we adjust the length already in production. However, if a change of length becomes necessary, please proceed as follows: Loosen the screws at the positions marked in the picture and move the parts of the telescopic truss symmetrically to the table top length. Then reattach the screws.



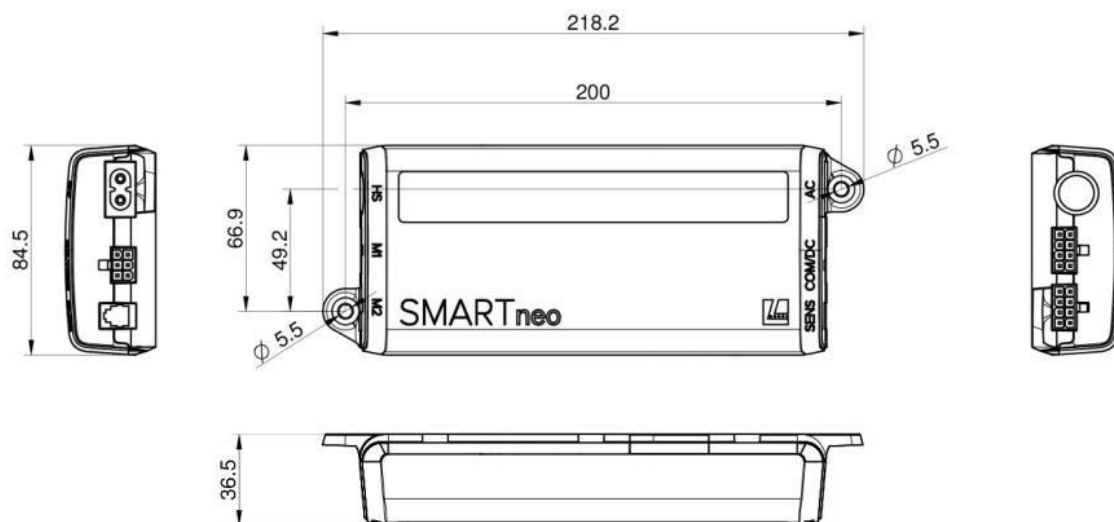
2) Connections on the motor control



Attention: Do not plug in the power cable/power cord until all other electrical connections have been made! (All motors, the manual switch and any other accessories are connected to the controller.)

To commission the sit-stand table, proceed as follows:

1) Connect drives



Anschlüsse / Buchsen

HS = DIN Handschalterbuchse

AC = C8 2-polig für Netzstromversorgung

M1 = Minifit 8-polig für Motorantrieb 1

COM/DC = Minifit 6-polig für Kaskadierung

M2 = Minifit 8-polig für Motorantrieb 2

SENS = RJ10 für DMS Sensor

Make sure that the connection cables of the drives extend from both sides to the corresponding connection of the controller. For angle combinations or extremely long tables, an off-center mounting of the controller may be necessary. For particularly large table frames, an extension cable for the connection cable of the drives may be required.

Establish the connection between the drives of the side panels and the controller using the motor cables. The plug connections on the 8-pin motor sockets must snap into place! For controllers with more connections for drives than there are drives, the connection (M1) must be started. (Surplus connections may remain free.)



Note: When plugging in the motor cables, you must follow the order M1, M2, M3!

2) Connect the manual switch

Connect the manual switch to the 7-pin manual switch socket (HS) on the controller.

3) Connect power cord / power cord



Attention: Before you plug in the power supply cable, check again whether the mains voltage corresponds to the type plate of your controller whether all components are connected to the correct sockets.

The motor control is ready for operation when the power supply cable is plugged in!



Note: When connecting the power cable/power cord for the first time, an initialization of the table frame (RESET) is required, this is described in section Initialization/Reset.



Attention: Use only the supplied power cable! The motor control requires a 2-pole power cable with protective conductor.



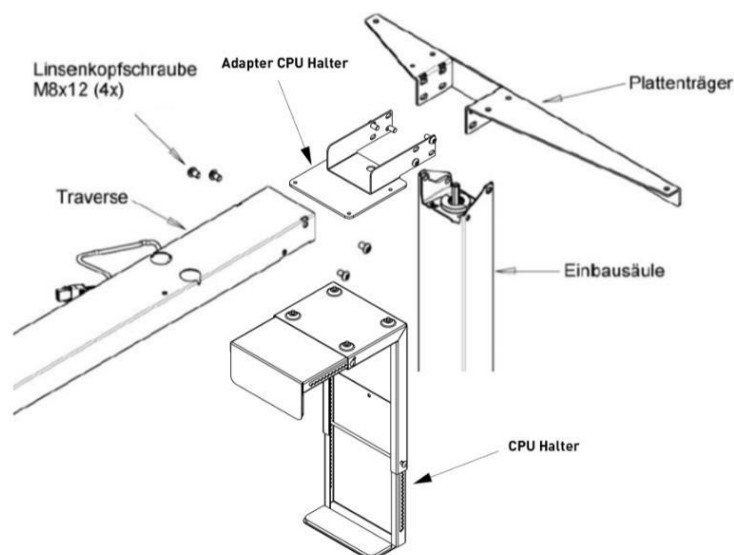
Attention: Attach all cables to the table frame or table top so that no damage can occur during operation.

3) Assembly of the truss and plate support

First, mount the installation column in the cut-outs of the truss provided for this purpose. The M8 screws are only used when mounting the plate carrier.



Note: Make sure that the SW8.8 hexagon at the top of the installation column is inserted smoothly into the hexagon of the drive motor pre-assembled in the traverse. For positioning, the hexagon of the installation column can be rotated clockwise using a SW9 spanner. The installation column is rotationally symmetrical (you can also mount the frames overhead).



Then mount the plate carrier with the screws M8 according to the frame drawing through the threads in the installation column to the crossbeam. The maximum tightening torque for these screws is 10 Nm.

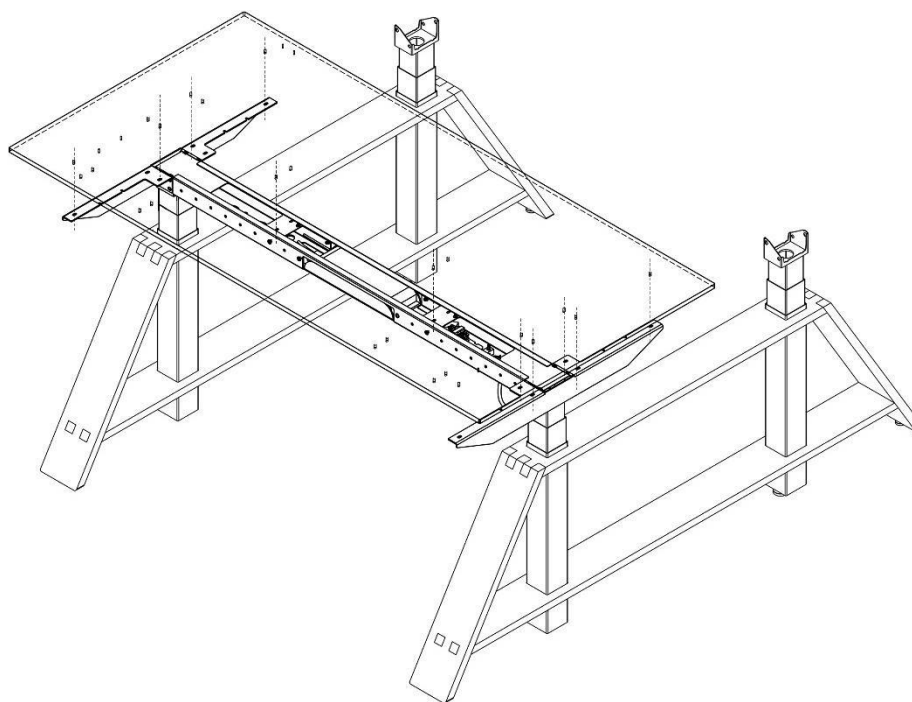
Optional CPU holder:

Then mount the plate carrier and CPU holder to the traverse with the M8 screws according to the frame drawing through the threads in the installation column. The maximum tightening torque for these screws is 10 Nm.

4) Assembly of the table top

Now attach your table top using the supplied fastening material

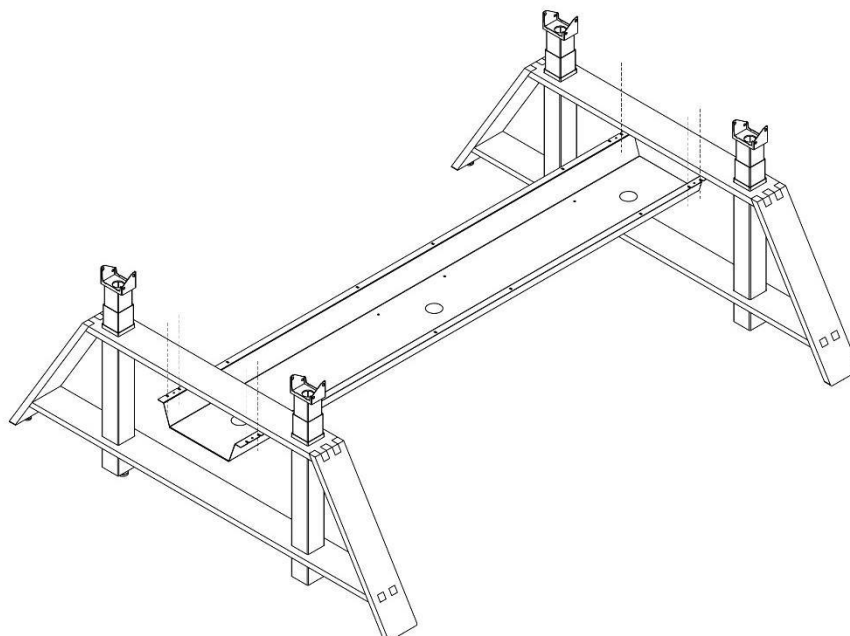
(screws in a labeled bag) on the table frame. It is essential to pay attention to the orientation of the table top (front/rear). The holes for the manual switches are attached to the leading edge. Holes or screw points are provided on the table frame and on the top. All intended screw points shall be used.



5) Installation of the cable tray

Attach the cable tray to the wooden feet using the supplied fastening material (screws in a labeled bag). In the cable tray and the wooden feet, holes or screw points are provided for this purpose.

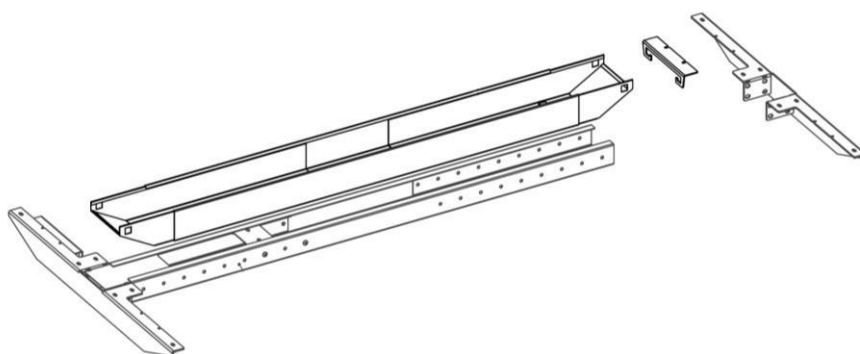
Optional: Attach the chain plate using the supplied fastening material (screws in labeled bags). Screw points are provided on the interlinking plate and the cable tray for this purpose. Optional: Insert the absorber forks into the provided screw points and attach them using the supplied fastening material (screws in labeled bags).



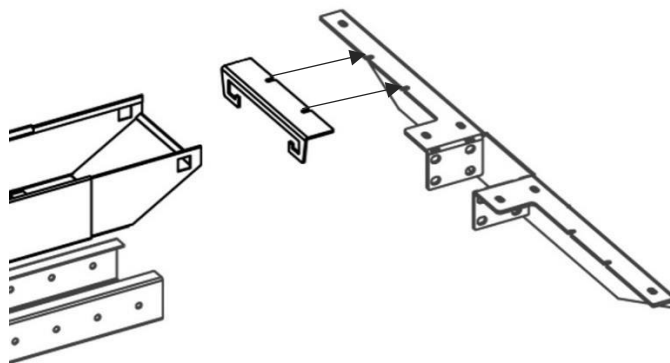
6) Mounting the manual switch

Now mount the manual switches on each table top using the supplied fastening material (screws in a labeled bag). Holes or screw points are provided on the manual switch and in the plate. Glue the cable clip to the tabletop and thread the cable.

7) Installation of the cable tray

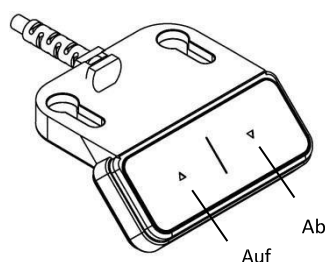


As a rule, we adjust the length already in production. However, if a change in length becomes necessary, please proceed as follows: Loosen the wing nuts so that you can move the ends of the cable tray. Adjust the cable tray to the table top length and tighten the wing nuts again. Mount the cable tray holders with the plate carrier and table top using the supplied mounting material (screws in labeled bag). Holes or screw points are provided on the table frame and the top. Now attach the cable tray.



SERVICE

With the buttons up and down you move the table in the direction of the arrow up or down, the table stops when reaching the end positions. Press and hold the button until the desired position is reached.



INITIALIZATION / RESET

After installation, or if the table has been disconnected from the power supply for a long time, there has been a malfunction at the table or if the connection between the drives and the controller has been disconnected - the control of the table must be initialized.

If the controller expects a new initialization, only the downward movement of the table with a reduced speed is possible.

To initialize, move the table to the lowest position - hold down the down button on the hand switch until all drives have reached the lowest position. Then press the down button again and hold it down (about 5 seconds) until the table has made a slight movement up and down, do not release the button until the table stops moving. If the button is released too early, this will cause a malfunction at the table, if this has happened accidentally, you will have to repeat the process.



Attention: The upper end position is preset in the controller. For this reason, only controls that have been supplied appropriately for the respective table frame may be used!



Danger: During all reset operations, the optionally available collision protection is not active. Be aware of a possible risk of crushing.

1) Enable and disable container stop and shelf stop position

These two functions can be used to limit the driving range of the sit-stand table (e.g. if a container is under the sit-stand table). A container stop position can only be set in the lower half of the driving area, a shelf stop position only in the upper half of the driving area. If a container stop position is set, it is used as the lower end position, a shelf stop position corresponds to the upper end position of the driving range.

To save a container or shelf stop position, proceed as follows:

- Move the sit-stand table to the position you want as a new container or container position. want to use shelf stop position
- Now press the Up and Down buttons simultaneously for 10 seconds. The
- Save operation is confirmed by the controller with a double-click tone
- To deactivate a container or shelf stop position, proceed as follows:
- errorMove the sit-stand table to any position in the lower half of the
- driving area to deactivate the container stop or into the upper half of the driving area for the shelf stop position
- Manual switch up/down: Now press the Up and Down buttons simultaneously for 10 seconds. until you hear a clicking sound, then the function is on or off.



Note: These steps must be performed separately for the Container Stop position and for the ShelfStop position!

TROUBLESHOOTING

| Error | Cause | Removal |
|-----------------------------------|---|--|
| Table does not move | The control unit is not connected to the mains power supply | The control unit to the |
| | One or more drives are not properly connected | Connecting AC Power |
| | There is a poor plug connection | Plug the motor cable into the control unit |
| | The control unit is defective | Plug in the motor cable, power cord and hand control correctly |
| | The manual switch is defective | Contact Customer Service |
| Table moves in only one direction | The power supply was cut off while the table was moving | Reset manually |
| | The control unit is defective | Contact Customer Service |
| | The manual switch is defective | Replacing the manual switch |

| | | |
|---|---|---|
| | The drive is defective | Contact Customer Service |
| Control unit or manual control doesn't work | The control unit is not connected to the mains power supply | The control unit to the |
| | The manual switch is not plugged in | Connecting AC Power |
| | The control unit is defective | Plug in the hand control |
| | The power cord is defective | Contact Customer Service |
| | The manual switch is defective | Contact Customer Service |
| | Poor plug contact | Replace the manual control |
| | The product should be prepared with liquids in | Properly plug in the motor cable, power cord and hand control |

CLICK CODES OF THE CONTROLLER

As soon as the motor controller is powered, the controller uses the built-in relays to acoustically inform the user about the system status and the reason for the last shutdown.

| Number of clicks | When | Status Information |
|------------------|--------------|---|
| 2x | for mains on | Normal operation: The system works without problems |
| 1x | | Emergency: The system is in emergency mode, the drive cannot be used. Check the LEDs if present and/or the error code on the display of the hand switch. |
| 3x – 6x | | Last shutdown incomplete / Forced reset: Check the LEDs if present and/or the error code on the display of the manual switch. |

SPECIFICATIONS

| | |
|--|--|
| Nominal current consumption | 2A |
| Rated frequency | 50 Hz |
| Nominal voltage | 230 V |
| Rated power | 240 W |
| Standby | 0,3 W |
| Duty cycle | 2 Min. ON (120 W) / 18 Min. OUT or 0,5 Min. ON (240 W), 0,5 Min. ON (120 W) / 9 Min. OUT |
| Lifetime | 10.000 Cycles |
| Environmental conditions in operation | +5 °C to +40 °C at max. 68% relative humidity (non- condensing), up to an altitude of 2,000 m |
| Standards and directives | RoHS Directive 2011/65/EU REACH Regulation (EC) No. 1907/2006 Eco-Design Directive 2009/125/EC EMC Directive 2014/30/EU |
| ESD immunity according to EN 61000-6-2 | Contact discharge 4 kV Air discharge 8 kV |

EXAMINATIONS AND CERTIFICATES

The drive system is tested according to:

Electromagnetic compatibility (EMC Directive 2014/30/EU)

- EN 61000-6-2:2005 Electromagnetic compatibility (EMC)
 - EN 61000-6-3:2007 + A1 Electromagnetic compatibility (EMC)
 - EN 61000-3-2:2014 Electromagnetic compatibility (EMC)
 - EN 61000-3-3:2013 Electromagnetic compatibility (EMC)
 - EN 55014-2:2015 Electromagnetic compatibility (EMC)
- Electrical safety (Low Voltage Directive 2014/35/EU)
- EN 60335-1:2012 + A11 + A13 Safety of electrical equipment for use

Household and similar uses

Safety-related parts of control systems

- EN ISO 13849-1:2015 Safety of machinery

Safety-related parts of control systems Performance Level "b"

Please keep this instruction manual for later use.

CONTACT

wp_westermann products

Telefon: +49 (0711) - 93 44 60 - 0
Telefax: +49 (0711) - 93 44 60 - 50

E-Mail: info@westermann-products.com
Webseite: www.westermann-products.com

wp westermann
products

