maxi.

Instructions for use.

maxi. The confident therapy chair.

schuchmann®

Many thanks.

Dear Customer,

At this point we would like to thank you for placing your trust in our company and for purchasing our product. We kindly request that you thoroughly read and adhere to the instructions in the User Manual before using the product for the first time. Please note that the information and illustrations in this User Manual may differ from your product due to its specific configuration. We reserve the right to make technical modifications.

Important information!

Ensure that this User Manual remains with the product.

Your **Schuchmann** - Team

Contents.

Contents.

1. Preparation.

1.1 Delivery

Please check the product upon receipt for completeness, defects and any potential transport damage. Inspect the goods in the presence of your forwarder. If transport damage is detected, please ensure that a report (record of defects) is prepared in the presence of the forwarder. Please send a complaint in writing to the specialist dealer responsible.

1.2 Safety measures prior to use

The correct use of the product requires detailed and thorough instruction of the user or the accompanying person. We kindly request that you thoroughly read and adhere to the instructions in the User Manual before using the product for the first time. Product parts that may come into contact with the skin could potentially heat up when exposed to sunlight. Depending on the duration and intensity of solar radiation, the surfaces of individual parts can heat up to over 41°C and thus lead to slight burns in the event of direct skin contact. Therefore cover these areas or protect the device from direct sunlight.

1.3 Safe disposal

In order to preserve and protect the environment, to prevent environmental pollution and to improve the recycling of raw materials, please note the disposal instructions in **Points 1.3.1** and **1.3.2**.

1.3.1 Packaging

The packaging of the product should be kept for potential future transport. If you need to send the product back to us for repair or a warranty claim, please use the original box if possible to ensure the product is properly packaged. Otherwise, dispose of the packaging materials by recycling them according to their type.

Do not leave the packaging materials unattended, as they may pose potential hazards.

1.3.2 Product

At the end of the product's lifecycle, recycle the raw materials used in the product according to their type (see material information under **Point 2.1**).

1. Preparation.

1.4 Where to store the User Manual

Keep the User Manual in a safe place and ensure that it remains with the product for any potential future use. Should you lose the instructions, you can always download an updated version at www.schuchmann.de.

2. Product description.

2.1 Material information

The base frame and the individual elements are made of steel and aluminium which are non-corroding and powder-coated. The covers are made of 100% polyester and are flame resistant (according to DIN EN 1021-1+2).

2.2 Symbol descriptions

Symbol	Description
	Observe instructions for use (according to ISO 7010)
	Read the instructions for use (according to ISO 15223-1)
	This is a medical device.
	Product complies with MDR requirements
	Manufacturer of the medical device
	Date of manufacture of the medical device
	Warning of pinch points

2. Product description.

2.3 Handling / transport

The therapy chair is not designed to be carried, as it is fitted with castors. Should you have to carry the equipment due to obstacles, ensure that all moving parts are tightened. Then position yourself next to the therapy chair, grip it at the front and rear under the seat unit and carry it to the required location. To transport the therapy chair, reduce all adjustments to their most compact size (fold up foot support, set lowest seat height etc.).

2.4 Application areas, intended purpose

The **maxi.** Therapy chair is a medical device in risk class 1 and is designed for use at home and at school. It can be used for all age groups. Individually adjustable seat dimensions and supporting pelotte pads allow a stable and upright sitting position. Any other use or use beyond this purpose is considered improper.

2.4.1 Indications

The **maxi.** therapy chair has been designed for children and teenagers who are unable to sit or stand independently, but whose limited torso posture does not continuously require sitting in a seat pan. This includes impaired sitting with functional and/or structural damage to the torso or the torso and, if applicable, the cervical muscles (e.g. due to neurological/neuromuscular disorders, deformations of the spine) with poor posture.

2.4.2 Contraindications

In general, the indication should be accompanied by a doctor/orthopaedist. It should therefore be clarified prior to procurement whether contraindications exist for the user. In general, any type of pain represents a contraindication.

2.5 Use not in accordance with the intended purpose / warning guidelines

- Make sure that the therapy chair is used by one user only.
- Only use the therapy chair on an even and solid surface.
- Do not use the therapy chair to transport people.
- In order to guarantee safe lifting when transporting the therapy chair,- stand at the side of the therapy chair and grasp the front and back of the seat surface. Here all movable parts should be tightened, e.g. seat depth adjustment.
- Never leave the user seated in the therapy chair without supervision.
- Correct usage of the therapy chair requires precise and careful training of the accompanying person.
- The max. load (**see Point 6**) may not be exceeded.
- Do not use the therapy chair if it has defective, worn or missing parts.
- For reasons of fire safety, the therapy chair may not be

placed close to an open fire or any other strong source of heat such as electric or gas heaters.
- Only use accessories and replacement parts from Schuchmann to avoid compromising user safety. An exception is the use of restraint belts from other manufacturers (see **Point 4.14**), as well as the use of a headrest from other manufacturers in combination with the universal headrest adapter, where applicable.
- Only use the therapy chair if all components have been correctly mounted and adjusted.
- Ensure that no extremities of the user or caregiver are in the adjustable area during any adjustments to minimize the risk of injury.
- Please read out the Instructions for use for users suffering from a visual or reading impairment, so that they can use the therapy chair safely.

2.5.1 Usage and safety guidelines
- Only individuals with adequate experience and knowledge of motor components should operate these parts.
- Individuals with physical or mental impairments may only use motor components under supervision or after receiving thorough instructions from a responsible person.
- Ensure children are supervised to prevent them from playing with motor components.
- Anyone connecting, assembling, or using the system must have access to this User Manual.
- Do not operate motor components in the presence of flammable or narcotic mixtures with air, oxygen, or nitrous oxides.
- Avoid using chemicals and inspect annually for damage and wear.
- Do not expose drive system components to UV disinfection lamps. This can cause damage to casings, support parts, and cables.
- Replace the product if any faults are detected.
- Prevent unintentional activation of the hand control during normal use or maintenance to avoid unintended movements. Activate the lock function of the hand control when leaving the product unattended (see **Point 3.1**).
- Adhere to the duty cycle printed on the drive system label. to prevent system damage. Unless otherwise specified on the label, the duty cycle for mains operation is a maximum of 2 minutes of continuous use followed by an 18-minute pause.
- Avoid exposing systems to high-pressure washer jets.
- Ensure connection cables remain plugged in during cleaning to prevent water ingress.
- Cleaning with a steam cleaner is not permitted.

2. Product description.

- All electrical and mechanical components must not be modified. In the event of a repair, please contact the specialist dealer (see **Point 8.4**).
- If the product is visibly damaged, it must not be operated.
- If the drive system produces unusual noises or odours, immediately disconnect the power supply.
- The products may only be used in environments that correspond to their protection class (see **Point 6.2**).
- Do not use highly alkaline or acidic cleaning and disinfecting agents (only pH value 6-8).
- Regardless of the weight, the duty cycle specified in the data sheet must not be exceeded.
- The control unit may only be connected to the voltage indicated on the label.
- Fastening screws and bolts must be properly tightened.
- The specifications on the label must not be exceeded under any circumstances.
- Unauthorized persons must not open the motor.
- Use the drive only within the specified load range.
- If irregularities occur, the motor must be replaced.
- If the system/devices are not in use:
  - Disconnect the power supply or unplug it to prevent unintentional operation.
- Inspect for malfunctions, mechanical damage, wear, and cracks. Worn parts must be replaced.
- Due to electromagnetic interference, there may be rare cases of electromagnetic discharge, which can lead to a temporary interruption of functionality. The electric drive would stop during operation for safety reasons. Pressing the control unit again will allow the desired adjustment to continue.
- It is recommended to check the hand control and cables for damage and cracks caused by improper handling before cleaning or once a year.
- Clean the hand control regularly to maintain high hygiene standards.
- Do not immerse the hand control in water.
- Do not sit or lie on the hand control. This may cause unintentional movement of the application.
- Check the electric motors at least once a year for wear and noise.
- The product is classified as an ME device of electrical protection class II according to IEC 60601-1.
- The use of accessories, sensors, and cables from third-party manufacturers may result in increased electromagnetic emissions or reduced electromagnetic immunity of the drive system, potentially leading to malfunction.

2. Product description.

- Using the drive system next to or stacked with other devices should be avoided, as this could lead to improper operation.
- Portable RF communication devices (including peripherals such as antenna cables and external antennas) must not be used closer than 30 cm (12 inches) to any part of the device, including cables specified by the manufacturer.
- The product is intended for use in a home environment only.

2.5.2 Safety instructions for the battery:

- Do not open the battery housing, as the cells or circuits may generate excessive heat.
- Defective or damaged lithium-ion batteries are not allowed for transport.
- Stop using the battery immediately if it emits an unusual odour, feels hot, changes colour or shape, shows signs of damage or corrosion, or appears unusual in any other way.
- For safety reasons, always adhere to the specified charging, storage, and operating temperatures, as extreme temperatures (see **Point 6.2**) can ignite the battery and cause a fire.
- If the battery becomes too hot, disconnect it and leave the room. Wait 2 hours before taking further action. If it is not possible to remove the battery, evacuate the room.
- Before use, the battery should be at room temperature.
- The battery must be charged every 12 months.
- Only use the supplied charger to charge the battery.
- Recharge the battery before storage if it is fully discharged.
- The battery is not designed for use outdoors, in swimming pools, or other harsh environments.
- Dispose of the battery in accordance with local regulations.
- If the system/devices are not in use:
  - There is always a power supply due to the rechargeable battery, please avoid unintentional operation.

2.6 Equipment for basic model

- Padding and cover
- Back
- Armrests with adjustable height. width and depth
- Heat, seat angle and back angle adjustment by electric motor with manual control unit
- Depth and width-adjustable seat
- 4 castors (100 mm), of these 2 with locking devices
- Cover: slate grey
- Frame colour: black grey

2. Product description.

2.7 List of accessories

- Standard headrest - padded, adjustable in height and angle
- Headrest with lateral guide - padded, adjustable in height and angle
- Headrest in shell shape - padded, adjustable in height and angle
- Headrest with lateral guide -- padded, adjustable in height and angle additionally with lateral guide adjustable in angle
- Double joint for headrest holder
- Universal adapters for headrest holders when using third-party headrests
- Fixed armrests including therapy table insert - adjustable in width, height and angle
- Fold-down armrests including therapy table insert - adjustable in width, height and angle
- Thorax pelotte pads – padded, adjustable in angle, depth and width
- Thigh guide
- Knee abduction wedge
- Adjustable pelvic guide
- Therapy table made from wood
- Plug-in foot support
- Foot support – height and knee angle adjustment, fold up
- Calf attachment for foot support
- Push bar
- Central locking brake on the rear castors
- Direction lock on the front castors
- Back extension unit
- Strap assembly kit for the seat and back area
- Positioning aids / harness

2. Product description.

2.8 Product overview

The illustration shows accessories that are not included in the basic model (thorax pelotte pads, adjustable pelvic guide, foot support).

2. Product description.

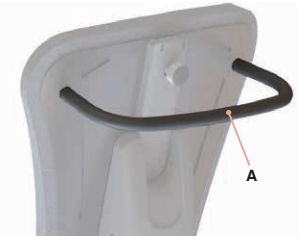
2.9 Getting in and out

To get the user in and out of the chair, first apply the central parking brake (see **Point 4.5.**) and/or the brake function of the castors (see **Point 3.4.**) Then the user can get into the therapy chair, with assistance if necessary, and be positioned. If the foot support (see **Point 4.6.**) is installed, fold it up before transport so that the user can sit in the therapy chair. If the plug-in foot support (see **Point 4.7**) is installed, the user can actively put weight on the foot support for transfer and stand on it before being positioned.

Only have the user get in and out of the product on stable and flat ground!

2.10 Transfer

The **maxi.** can also be moved carefully and slowly during use (e.g. to other rooms) thanks to the castors.



2.10.1 Holding and pushing points

Primarily use the push bar (**A**) for transfer.

3. Settings.

Settings and adjustments to the product or accessories may only be made by people who have been given the necessary instructions by a medical product advisor. Ensure that no extremities of the user or caregiver are in the adjustable area during any adjustments to minimize the risk of injury. All adjustments can be made with standard tools (e.g. Allen key, screwdriver or spanner). Most settings can be made without using any tools.

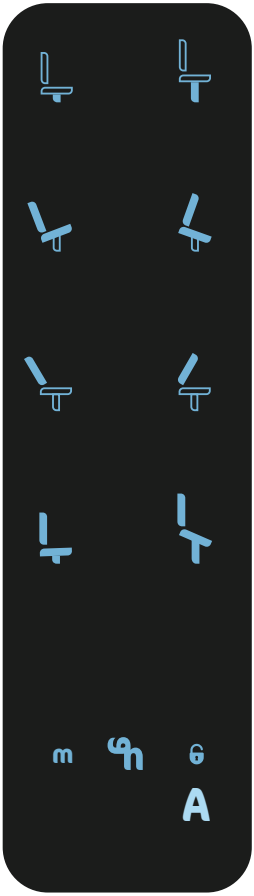
3.1 Manual operation

You can use the manual control unit to activate the seat height, seat and backrest angle as well as the stand-up aid.

3.1.1 Safety function (lock function) of the hand control unit

To prevent accidental activation of the electric motors and operation by unauthorized persons, the hand control is equipped with a safety lock function.

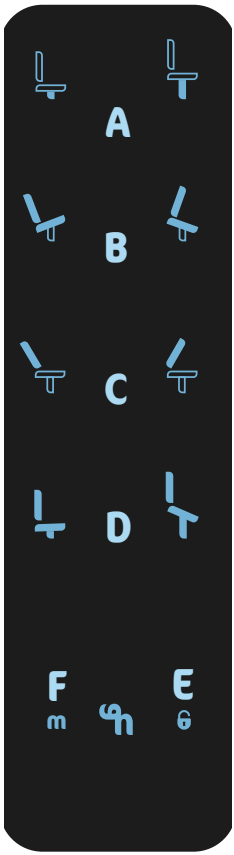
If the manual switch is blocked, the buttons on the manual control unit are not illuminated. If the release button (**A**) at the bottom right of the manual control unit is held down for 3 seconds, the manual control unit unlocks and the three lower buttons all light up blue and are now unlocked for 5 minutes. After 5 minutes, it locks again automatically and all the illuminated buttons go out.



3. Settings.

3.1.2 Seat height

The seat surface height is adjusted via the manual control unit. If the hand control unit is locked, unlock it by pressing the release key (see **Point 3.1.1**). The height of the seat is adjusted by pressing the buttons (**A**) in row 1. Release the button once the cradle system reaches the desired height.



3.1.3 Seat angle

The seat angle is adjusted via the manual control unit. If the hand control unit is locked, unlock it by pressing the release key (see **Point 3.1.1**). The seat angle (-20° - 20°) is adjusted by pressing the two buttons (**B**) in row 2. Release the button once the desired angle is reached.

3.1.4 Back angle

The back angle is adjusted via the manual control unit. If the hand control unit is locked, unlock it by pressing the release key (see **Point 3.1.1**). The adjustment of the backrest angle (-25° to 5°) is carried out by pressing the two buttons (**C**) in row 3. Release the respective button once the desired angle has been reached..

3.1.5 Stand-up aid

The stand-up aid is activated via the manual control unit. If the hand control unit is locked, unlock it by pressing the release key (see **Point 3.1.1**). The stand-up aid is activated by pressing the two buttons (**D**) in row 4, by briefly tapping the buttons (**D**), releasing and then pressing again and keeping them held down.

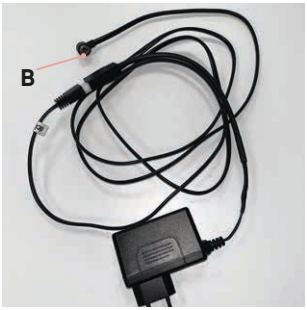
3.1.6 Memory function

To the left of the lock button (**E**) there is a knob with a small m (**F**). This button saves the desired position: Set the position using the manual control unit, press the small **m** (**F**) and the lock button (**E**) simultaneously and hold the buttons until the hand control unit briefly flashes blue. The position is then saved. The "m" button must be pressed twice to return to the stored position.

3. Settings.

3.2 Charging process

On the back of the **maxi.** on the seat, the is a magnetic charging socket (**A**). By plugging in the counterpart (**B**), the **maxi.** starts to charge up. The charging socket flashes green during the charging process. It lights up solid green once the charging process has completed.



If the charge level is low (30%), the battery in the **maxi.** emits an acoustic signal and the charging socket flashes blue. Please charge immediately.

3.3 Armrests

The height and width of the armrests can be adjusted in the basic model. Press button (**C**) to adjust the height. Loosen the hex screw (**D**) under the seat for width adjustment. Bring the armrest into the desired position and tighten the hex screw again.

3.4 Castors

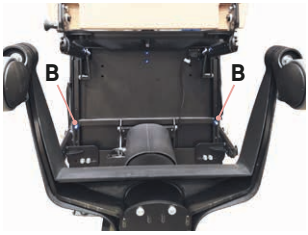
The therapy chair should always be prevented from rolling away inadvertently through braking of the 2 rear castors. To do this, press the brakes (**E**) down. To release the brake, pull up the locking device.
To lock the direction of the castors, press down the red direction lock (**F**) with the tip of your foot. To release the fixation, push the lever up again.

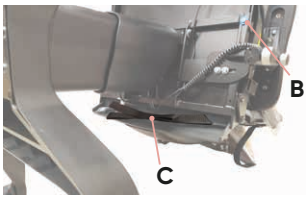
The brake serves merely to prevent inadvertent rolling away on level surfaces!

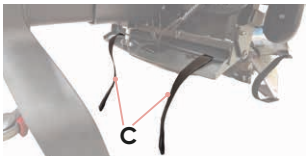
3. Settings.

3.5 Seat depth adjustment

Below the seat (**A**), there is a hex socket screw (**B**) on both the right and left sides that must be loosened. You can then adjust the seat plate to the desired depth. Please note that the cushion and cover will move forward together with the seat unit. If necessary, the Velcro-equipped cover straps (**C**) should be readjusted. Finally, retighten the screws (**B**).



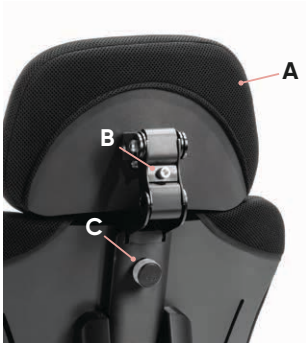




4. Accessories.

4.1 Headrest

All headrests can be removed as standard. The headrest (**A**) can be adjusted in height and angle. To adjust the angle, loosen the screw (**B**) and set the required angle of the support. Then retighten the screw (**B**). By loosening the twist grip (**C**), the headrest height can be adjusted. To do this, simply pull the headrest upwards until the desired height is reached. Then retighten the twist grip (**C**).

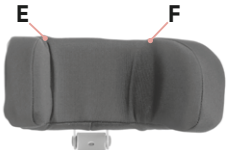


Please tighten again the screws twist grips again after each adjustment!

4.1.1 Headrest with angle-adjustable lateral guide

The headrest with angle-adjustable lateral guide (**D**) can be adjusted in height, depth and angle (see **Point 4.1**). In addition, the angle of the lateral guides can be adjusted individually.

To adjust the lateral guides, loosen the hex screws (**E**+**F**) and bring the respective lateral guide into the required position.

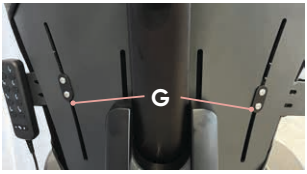


Tighten the screws and twist grip again after each adjustment!

Support the head of the user with one hand when you make an adjustment to the headrest during use!

4.2 Thorax pelotte pads

The thorax pelotte pads can be adjusted in angle, depth and width. Release the screws (**G**) on the back of the backrest and bring the thorax pelotte pads to the required position.

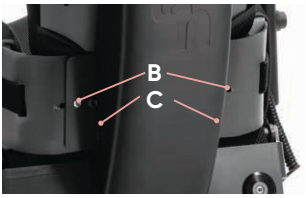


Please tighten again the screws after each adjustment!

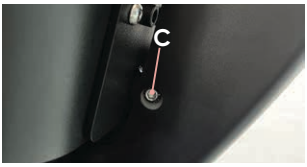
4. Accessories.

4.3 Adjustable pelvic guide

To adjust the pelvic guide (**A**) please loosen the two Allen screws (**B**) on the back of the **maxi**. The pelvic guide can also be adjusted in angle by loosening the screws (**C**).

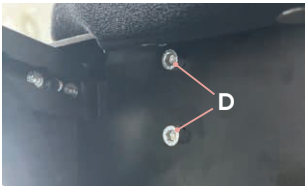


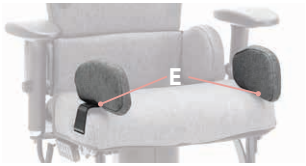
After each adjustment, please retighten all screw connections!



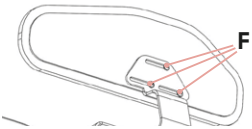
4.4 Thigh guide

The thigh guide pads are individually adjustable in height and depth. In order to adjust the width, loosen the two wing screws(**D**) under the seat surface and bring the thigh guide pads to the required position. In order to adjust the depth, open the zips (**E**), loosen the three pan head screws (**F**) with a hexagonal wrench and bring the pad into the required position.





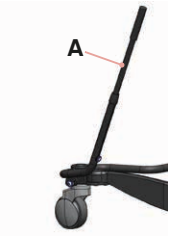
After each adjustment, please retighten all screw connections!



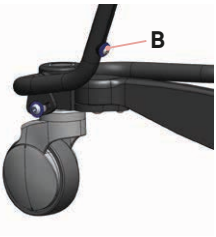
4. Accessories.

4.5 Central locking brake of the rear castors

Tilting the lever (**A**) activates the central parking brake. By loosening screw (**B**), the length of the lever and its distance from the user can be adjusted. Loosening screw (**C**) allows the angle of the central parking brake to be changed. The release lever (**A**) can be mounted on either the left or right side.

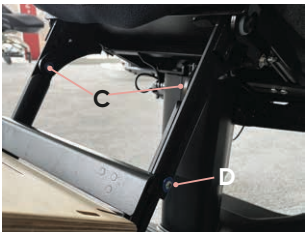


Retighten all screw connections after each adjustment!

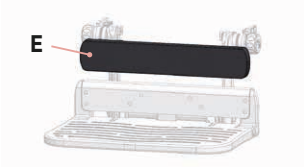


4.6 Foot support

The knee angle on the foot support can be adjusted by loosening the two screws (**C**). The lower leg length can be adjusted by loosening the two screws (**D**). The foot support can be folded up. A safety switch is installed in case of a collision between the foot support and floor. If this is triggered, the **maxi.** automatically moves up in the opposite direction for two seconds.

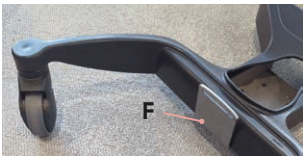


After each adjustment, please retighten the screw connections!



4.6.1 Calf attachment for foot support

The calf attachment (**E**) for the foot support cannot be adjusted. The user can be positioned well with the aid of the calf attachment and can sit upright and steady.



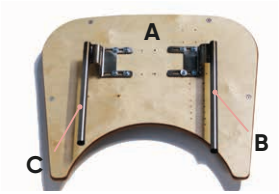
4.7 Plug-in foot support

The foot support (**F**) is guided into position. It is locked by pulling up the lever (**G**).

4. Accessories.

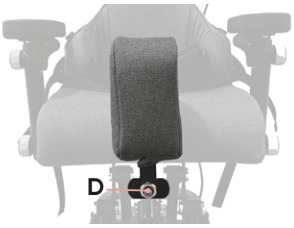
4.8 Wooden therapy table

The therapy table (**A**) can easily be fitted to the therapy chair. To do this, simply guide first the long tube (**B**) and then the short tube (**C**) into the holder under the armrests. Folding down is not possible.



4.9 Knee abduction wedge

The knee abduction wedge must be mounted onto the front of the seat plate using a quick-release axle. To do this, please press the knob (**D**) on the quick-release axle, and the abduction wedge can easily be removed or inserted. When inserting the abduction wedge, you should be able to hear it engage with an audible "click".



4.10 Armrests including therapy table insert

The arm rests including the therapy table insertion can be adjusted in height and width, as well as in angle. For the height and width adjustment of the armrests **see Point 3.3**.
Loosen the twist grip (**E**) on the side of the armrest to adjust the angle.

After each adjustment, please retighten the screw connections!

4.11 Fold-down armrests including therapy table insert

The fold-down armrests including therapy table insertion are adjustable in height and width, as well as in angle, and also fold down. For the height and width adjustment of the armrests **see Point 3.3**. For angle adjustment of the armrests **see Point 4.10**. To fold down the armrests, release the pull catch (**F**) and fold the armrests down.

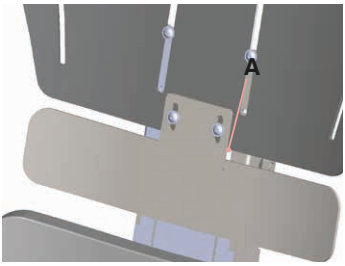
4. Accessories.

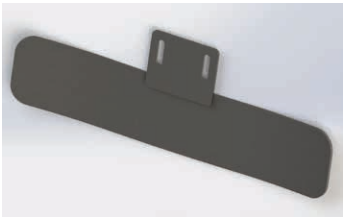
4.12 Back extension unit

When the backrest of the **maxi.** is in its highest position, a gap of up to 12 cm can form between the upper and lower parts of the backrest. To close this gap, an optional backrest extension is available. This extension is selectable for the short backrest sizes 2 and 3 of the therapy chair.

The backrest extension can only be installed when the backrest is set to its maximum height.

To mount the backrest extension, attach it from the front to the backrest column of the therapy chair using the two screws (**A**).

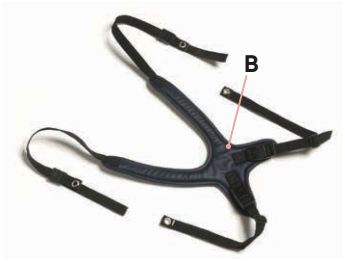


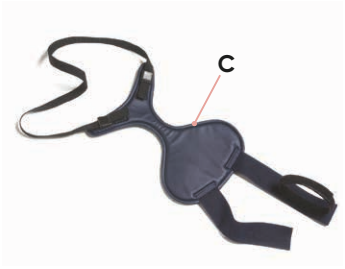


4.13 Harness

A range of harnesses is available for the **maxi.** to provide even better positioning of the user. The harness is to be mounted using the harness mounting kits for either the seat or backrest area. You can choose between a chest-shoulder strap (B), a standard seating harness, or a T-shaped seating harness (**C**), a pelvic belt, and a 4-point pelvic belt. Our positioning aids are available in many different sizes. For more information, please refer to our order form/adaptation sheet at www.**schuchmann**.de/maxi.

The chest-shoulder strap (**B**) is intended solely for stabilizing the upper body and aligning the shoulders.



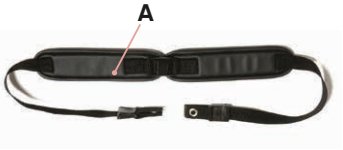


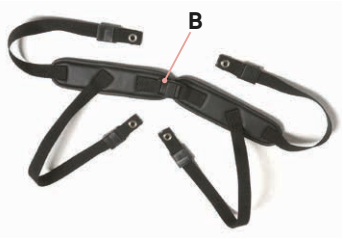
The chest-shoulder strap does not replace pelvic fixation!

The pelvis must always be secured separately – for example, with a (4-point) pelvic belt (**A** or **B**), a seating harness, or

4. Accessories.

another suitable pelvic positioning device. Without proper pelvic positioning, there is a risk that the child may slip downward.





Risk of strangulation! An incorrectly applied or inadequately secured chest-shoulder strap can cause the child to slip into a dangerous position.

Make sure all straps are properly fastened and checked regularly.

- Ensure the child is securely positioned in the seating system.
- Never leave the child unattended in the device.

If you have any uncertainties about the correct usage, please contact the manufacturer or a trained professional.

4.13.1 Harness assembly kits for seat and backrest areas

Harness mounting kits are available for the backrest and seat areas. To thread the harness (see **point 4.13**) through the quick-release buckles, simply open the buckles, pass the strap through them, and close the buckles again.

4.14 Use of Restraint Systems from Other Manufacturers (Optional Accessory)

Suitable restraint belts from other manufacturers may also be used to secure the patient in the therapy chair. The use of such belts is subject to the following conditions:

- Only belt systems approved for medical use and patient restraint may be used (CE-marked, MDR-compliant).
- The belts must be mechanically and functionally compatible with the therapy chair. Attachment may only be made at the designated mounting points.
- Belt width: 25–40 mm

4. Accessories.

- Material: latex-free, resistant to disinfectants
- The manufacturer recommends securing restraint systems using the available restraint and mounting kit. Other mounting methods, such as loops or eyelets, must be verified by the distributor..

Note: The suitability and safety of using belts other than those provided by the manufacturer are the responsibility of the operator. Safe use must be ensured through appropriate testing and instruction.

5. Cleaning and maintaining.

5.1 Cleaning and disinfecting

5.1.1 Cleaning

Please clean all frame elements regularly with a sponge or damp cloth; making sure that water droplets are removed. Please clean with a mild household detergent for heavier soiling. Thorough drying of the cleaned areas is important.
All fabrics that cannot be removed can be wiped with a moist cloth. For all removable fabrics, please follow the sewn-in care labels (such as **A**+**B**) on the respective element. The fabrics are washable at 30°C.
Please also pay attention to our general cleaning and hygiene advice. This can be found at www.**schuchmann**.de/mediathek.

5.1.2 Disinfection

Various products can be used for surface disinfection of metal and plastic parts.
Liquid disinfectants are available as ready-to-use solutions that are sprayed on and evenly applied with a soft cloth. Alternatively, wipes presoaked with disinfectant can be used to wipe the products over the entire surface. In both cases, care must be taken to ensure complete wetting. Disinfection in fully automatic disinfection systems is also possible and recommended.
The exposure times may vary and can be found in the manufacturer's instructions for the products used.

5.2 Servicing

Please carry out a visual inspection on a daily basis and regularly check the product for cracks, breaks, missing parts and malfunctions. In case of a defect or malfunction, please contact the specialist dealer who supplied you with the product (see **Point 8.4**).

5.3 Maintenance

For reasons of user safety and to maintain product liability, maintenance must be carried out at least once a year by a specialist dealer (see **Point 8.4**). The maintenance work carried out must be documented in the maintenance plan (see **Point 5.3.2**).

5. Cleaning and maintaining.

5.3.1 Maintenance specifications

- Basic cleaning according to manufacturer instructions (see **Point 5.1.1**)
- If necessary, disinfection according to manufacturer instructions (see **Point 5.1.2**)
- Damages to the frame, mounting parts and accessories (cracks, breaks, corrosion, bent or missing parts)
- Strength of the connections (tighten loose screws, replace missing screws)
- Functionality of the adjustment elements (screws, release lever, foot pedal)
- Functionality of other adjustment elements (back, headrest, pelotte pads, armrests, footrests, table and guides in the leg area)
- Functionality of the electrical operator
- Functionality of the safety elements
- Correct mounting of the seat unit
- Functionality of brakes
- Functionality of the rollers (concentricity, smooth running)
- Check the harness for damage (clamping device, closures, seams)
- Check the pads and covers for damage
- Legibility of the type label
- Final complete functional check of the aid
- Check that all mounting parts and associated accessories are correctly fastened

5.3.2 Maintenance plan

Manufacturer's maintenance requirements (see **Point 5.3.1**) have been carried out:

Date	Company	Name	Signature

Any defects or damage found must be repaired by the specialist dealer or the manufacturer before reuse.

5. Cleaning and maintaining.

5.4 Spare parts

Use only original accessories and original spare parts from Schuchmann, as otherwise the safety of the user is endangered and the warranty expires.
Should you wish to order spare parts, please contact the specialist dealer who supplied you with the product, stating the serial number of the product (see **Point 8.4**). Necessary spare parts and accessories must only be installed by trained personnel.

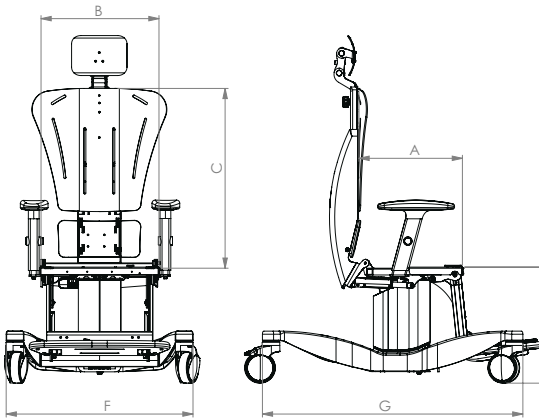
5.5 Usage period and re-use

The expected duration of use of our product, dependent on the usage intensity and amount of re-use, totals up to "8" years if the usage takes place in accordance with the information in these Instructions for use. It may be possible to use the product over and above this time period if it is in a safe condition. The expected duration of use does not refer to wear parts, such as for example wheels,... . The maintenance and evaluation of the condition, and if applicable the potential for re-use, must be decided by the specialist dealer.
The product is suited for re-use. Prior to forwarding on, please follow the cleaning and disinfection instructions stated in **Point 5.1**. Accompanying documents such as these Instructions for use are part of the product and must be passed on to the new user. No disassembly is required prior to re-use. In the case of storage, it is recommended to fold the product to the smallest dimension to save space.

Should a serious incident occur during the service life of the product despite being used as intended, this must be reported immediately to the manufacturer and the competent authority.

6. Technical data.

6.1 Dimensions



	Dimensions	Size 1	Size 1b	Size 2	Size 3
A	Seat depth	300 - 420 mm	380 - 480 mm		450 - 550 mm
B	Seat width	280 - 380 mm		360 - 480 mm	
C	Height short back	420 - 600 mm		480 - 600 mm	
C	Height long back	520 - 700 mm		580 - 700 mm	
	Total height	1050 - 1400 mm			
	Height to push handle	800 - 1150 mm			
	Armrest height	160 - 240 mm			
	Height of headrest	200 mm			
D	Seat height	400 - 550 mm			
E	Lower leg length	270 - 450 mm		350 - 520 mm	
	Thorax width	250 - 450 mm			
F	Total width	605 mm			
G	Length of base frame	845 mm			
	Seat angle	(-) 20° - 20°			
	Back angle	(-) 5° - 25°			
	Wheel size	100 mm			
	Recommended overall body height	1200 - 2000 mm			
	Max. load / max. user weight	125 kg			
	Weight	45 kg			

6. Technical data.

6.2 Electrical components (for electrical height adjustment)

Component designation	Article number
Lithium-ion battery	6290008
Control	6290006
Linear drive (for height, tilt, and backrest adjustment)	Height: 6290013 Tilt: 6290014 Backrest adjustment: 6290015
Hand control unit	6290007
Charger	6290010

General ambient conditions	
Application temperature	+0° C to 40° C
Storage temperature	-10°C to +50°C (+10 °C to +25 °C recommended). Battery modules must be stored in a suitable storage room, protected from direct sunlight.
Relative humidity	20% to 95%
Air pressure	700 to 1060 hPa

Use	
Duty cycle	2 minutes of continuous operation followed by an 8-minute pause

Battery	
The battery communicates its charge status with the control unit. This allows for display on the control unit and/or the operating unit.	
Lithium-ion technology	Nickel-Manganese-Cobalt Oxide (NMC)
Output voltage	30 V DC
Max. discharge current	6 A
Battery capacity	2.0 Ah / 57.6 Wh
Protection class	IP20
Charging	by external charger
Charging time	approx. 10 hours Charging during storage: Charge the battery no later than 12 months after the specified production date (see label). After this, the battery needs to be charged at least every 12 months.

6. Technical data.

Control
Maximum power is 120 W for a maximum of 2 minutes

Drive	
Input voltage	12/24 V
Protection class	IP66

Hand control unit	
Protection class	IP20 or IPX6

External charger	
Input voltage	100 - 240V AC
Output voltage	29V DC 3.75A
Temperature range	5 - 45°C

Additional electrical components	Article number
Magnetic socket with LightGuide + DecoRing (orange & green LED and Ø45 mm decorative ring)	6290009
Wiring harness NISPT1#18 2C magnetic plug + MiniFit, 2 meters	6290012
Collision sensor	6290052
Collision sensor Terminator MicroFit 2P	6290056
Power cable (EU, UK, AUS)	EU: 6290011 UK: 6290123 AUS: 6290122

Emission	Classes
Conducted emissions at AC power terminals 150 kHz–30 MHz	B
Radiated emissions – electromagnetic fields 30 MHz–1000 MHz	B
Emissions of harmonic currents	A

The therapy chair is a type B applied part.


6. Technical data.

6.3 Electromagnetic Compatibility (EMC) – IEC 60601-1-2

The primary function of the maxi is the adjustability of height and/or seat position. The product does not have any essential performance characteristics as defined by IEC 60601-1.

NOTE: The device/system referred to as "product" hereinafter always relates to the product and its accessories described in Chapter 2.3 "Application Areas, Intended Use."

- Due to electromagnetic interference, in rare cases an electromagnetic discharge may occur, resulting in a temporary interruption of function. For safety reasons, the electric actuator will stop during operation. Pressing the control unit again allows the desired adjustment to continue immediately.

- **WARNING:** The use of accessories, sensors, and cables from third parties may result in increased electromagnetic emissions or reduced electromagnetic immunity of the drive system, potentially causing malfunction.

- **WARNING:** The use of the drive system next to or stacked with other devices should be avoided, as this may lead to improper operation.

- **WARNING:** Portable RF communication devices (including peripheral devices such as antenna cables and external antennas) must not be used closer than 30 cm (12 inches) to any part of the device, including cables specified by the manufacturer.

Immunity to...	Test Level
Electrostatic Discharge (ESD)	Discharge type: Air: 15 kV Contact: 8 kV
Electrostatic Fields 80 MHz – 2700 MHz	10 V/m
Electrostatic Fields 380 MHz – 5800 MHz Proximity Radio Fields	9-28 V/m
Fast Electrostatic Transients (Burst)	2 kV
Surge Voltage	1 kV
Conducted RF Disturbances 150 kHz – 80 MHz, ISM & Amateur Radio	3/6 V
Power Frequency Magnetic Fields 50/60 Hz	30 A/m
Voltage Dips and Short Interruptions	240 V, max. 5 s
Radiated Fields in Close Proximity 30 kHz – 16.56 MHz	7,5-65 A/m

6.3.1 Manufacturer Guidelines – Electromagnetic Emissions

The product is intended for use in the environment specified below. The user must ensure that the product is operated in such an environment.		
Electromagnetic Emission Testing	**Compliance**	**Electromagnetic Environment – Guide**
RF Emission according to CISPR 11	Gruppe 1	The product uses RF energy for its internal function. The RF emission is very low and it is unlikely to cause interference with nearby electronic devices.
RF Emission according to CISPR 11	Klasse B	The product is intended for use in all facilities, including residential buildings and areas directly connected to a public power supply network that also supplies buildings used for residential purposes.
Harmonic Emissions according to IEC 61000-3-2	Klasse A	
In compliance with IEC 61000-3-3 „Emission of Voltage Fluctuations and Flicker"		

6.3.2 Manufacturer Guidelines – Electromagnetic Immunity

The product is intended for operation in the environment specified below. The user must ensure that the product is used in such an environment.			
Immunity Tests	**IEC 60601 Test Levels**	**In accordance with**	**Electromagnetic Environment – Guidelines**
Electrostatic Discharge (ESD) according to IEC 61000-4-2	±8 kV contact discharge ±15 kV air discharge	Yes	Floors should be made of wood, concrete, or ceramic tiles. For floors made of synthetic materials, the relative humidity must be at least 30%.
Electrical fast transients (EFT) / bursts according to IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/output lines	Yes	The quality of the supply voltage should correspond to that of a typical commercial or hospital environment.
Surges according to IEC 61000-4-5	±1 kV voltage Line-to-line ±2 kV voltage Line-to-earth (ground)	Yes	The quality of the supply voltage should be equivalent to that of a typical commercial or hospital environment.

The product is intended for operation in the environment specified below. The user must ensure that the product is operated in such an environment.			
Immunity tests	**IEC 60601 Test Levels**	**In accordance with**	**Electromagnetic Environment – Guidelines**
Voltage dips, short interruptions, and voltage variations according to IEC 61000-4-11	0% UT; half cycle at 0, 45, 90, 135, 180, 225, 270, and 315 degrees 0% UT; 1 cycle and* 70% UT; 25/30 cycles* Single-phase: at 0 degrees 0% UT; 250/300 cycles*	Yes	The quality of the supply voltage should be equivalent to that of a typical commercial or hospital environment. If the user requires continuous operation even during power interruptions, it is recommended to power the product from an uninterruptible power supply (UPS) or battery.
Magnetfeld bei Versorgungsfrequenz 50/60 Hz, nach IEC 61000-4-8	30 A/m	Yes	Magnetic fields at power frequency should be typical of those found in commercial or hospital environments.
Magnetfelder im Nahbereich nach IEC 61000-4-39	8 A/m 30 kHz 65 A/m_{eff} 134,2 kHz 7,5 A/m_{eff} 13,56 MHz	Yes	Magnetic fields in the near field should be typical of those found in commercial or hospital environments.
* NOTE: UT is the mains voltage before the application of the test levels.			

6.3.3 Manufacturer's Guidelines – Electromagnetic Immunity for Non-Life-Supporting Devices

The device is intended for operation in the electromagnetic environment specified below. The user of the device must ensure that it is used in such an environment.			
Immunity Tests	**Test Levels According to IEC 60601**	**Compliance Level**	**Electromagnetic Environment – Guidelines**
Conducted RF Disturbances according to IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms 150 kHz to 80 MHz	Portable and mobile radio-frequency devices should not be used at a distance less than the recommended separation distance of 30 cm from the equipment (including cables). The measured field strength of fixed radio transmitters in the vicinity should be below the compliance level at all frequencies. Interference may occur in the vicinity of equipment bearing the following symbol: 
	6 Vrms in ISM and amateur radio bands 150 kHz to 80 MHz	6 Vrms in ISM and amateur radio bands 150 kHz to 80 MHz	
Radiated RF Disturbances according to IEC 61000-4-3	10 V/m 80 MHz to 2.7 GHz	10 V/m 80 MHz to 2.7 GHz	
NOTE: These guidelines may not apply in all cases. The propagation of electromagnetic phenomena is influenced by absorption and reflection from buildings, objects, and people.			

The equipment is intended for operation in the electromagnetic environment specified below. The user of the equipment must ensure that it is used in such an environment.			
Immunity testing	**Test levels according to IEC 60601**	**Compliance level**	**Electromagnetic Environment – Guidelines**
a) The ISM frequency bands between 150 kHz and 80 MHz are: 6.765 MHz to 6.795 MHz; 13.553 MHz to 13.567 MHz; 26.957 MHz to 27.283 MHz; and 40.66 MHz to 40.70 MHz. b) The field strength of fixed transmitters, such as base stations for radio telephones and land mobile radios, amateur radio stations, AM and FM broadcast, and TV transmitters, cannot be precisely predicted theoretically. To assess the electromagnetic environment with respect to fixed transmitters, a site survey should be considered. If the measured field strength at the location where the device is used exceeds the above compliance levels, the device should be observed to verify its proper operation. In case of unusual performance, additional measures may be necessary, such as changing the orientation or relocating the device.			

6. Technical data.

6.3.4 Recommended separation distances between portable and mobile RF telecommunications equipment and the product

Specification regarding high-frequency wireless communication devices			
Frequency band (MHz)	**Test frequency (MHz)**	**Modulation**	**Compliance Level (V/m)**
380-390	385	Puls[a] - 18 Hz	27
430-470	450	FM +/- 5 kHz deviation or Pulse - 18 Hz	28
704-787	710, 745, 780	Puls[a] - 217 Hz	9
800-960	810, 870, 930	Puls[a] - 18 Hz	28
1700-1990	1720, 1845, 1970	Puls[a] - 217 Hz	28
2400-2570	2450	Puls[a] - 217 Hz	28
5100-5800	5240, 5500, 5785	Puls[a] - 217 Hz	9
NOTE: A minimum separation distance of 30 cm between portable RF communication devices operating in the specified frequency band and the product should be maintained. This includes, but is not limited to, mobile phones, WLAN, RFID, and Bluetooth devices. Failure to observe this distance may result in degraded performance of the product.			
a) The pulse modulation is defined as a rectangular signal with a 50% duty cycle.			

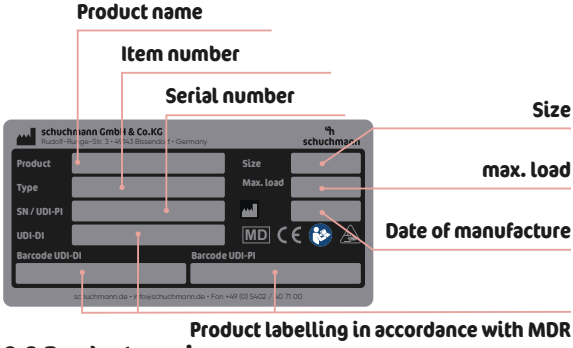
7. Guarantee.

The two-year statutory guarantee period applies for all products. This begins with the delivery or transfer of the goods. Should a verifiable material or manufacturing fault occur within this time period, we shall, after carriage paid return to us, view the indicated damage and, if applicable, either repair or deliver a new product at our discretion.

8. Identification.

8.1 Serial number / date of manufacture

The serial number, the date of manufacture and other information can be found on the type plate, which is located on all of our products (**A**).



8.2 Product version

The **maxi.** therapy chair is available in three sizes and can be supplemented through a diverse range of accessories (see **Point 4**).

8.3 Issue of the document

maxi. Instructions for use - Change status E; Issue 2026-04-16

8.4 Name and address of the manufacturer, specialist dealer supplying the product

This product was manufactured by:

Schuchmann GmbH & Co. KG
Rudolf-Runge-Str. 3 · 49143 Bissendorf · Germany
Tel. +49 (0)5402 / 40 71 00 · Fax +49 (0)5402 / 40 71 109
info@schuchmann.de · www.schuchmann.de

This product has been delivered by the following specialist dealer:

schuchmann.de

GA 62 – EN_4.0