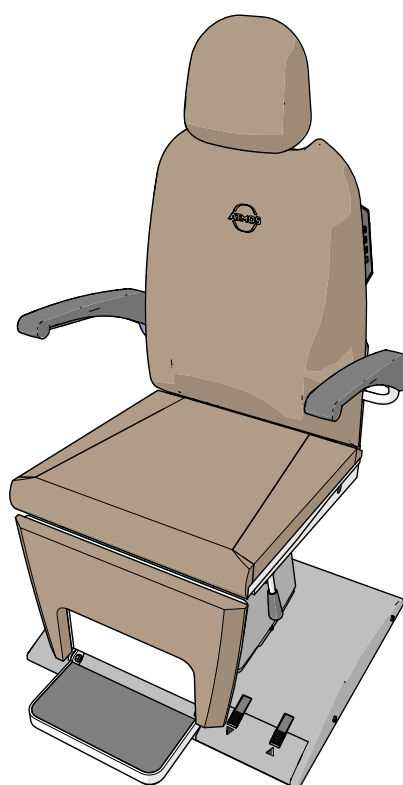


Operating Instructions

# ATMOS<sup>®</sup> Chair Professional

English



CE

GA1GB.130220.0

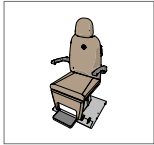
2018-11 Index 01

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# 1 Introduction

## 1.1 Notices on the operating instructions



These operating instructions contain important instructions on how to operate your product safely, correctly and effectively.

These operating instructions are designed for training and instructing new operating personnel in the use of the system, and also for use as a reference manual. This document may only be reprinted, either in part or in whole, with written permission from ATMOS.

**These operating instructions must always be kept to hand near the device.**



Care, period tests, regular cleaning and proper application are essential. They ensure the operational safety and usability of the product.

Maintenance, repairs and period tests may only be carried out by persons who have the appropriate technical knowledge and are familiar with the product. The person must possess the necessary test devices and original spare parts required to carry out these measures.



Read chapter “2 Notices for your safety” on page 7 before using the product for the first time. This will help you to avoid potentially dangerous situations.

The product bears the CE marking CE in accordance with EC Directive 93/42/EEC of the Council concerning medical devices and meets the basic requirements of Appendix I of the directive.

The product complies with all the applicable requirements of Directive 2011/65/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment (“RoHS”).

The Declaration of Conformity and our general standard terms and conditions can be viewed on our website at [www.atmosmed.com](http://www.atmosmed.com).









The quality management system at ATMOS has been certified according to international standard EN ISO 13485.

These operating instructions are valid for the following devices:







- ATMOS® Chair Professional basic 535.5200.0
- ATMOS® Chair Professional mobile 535.5400.0
- ATMOS® Chair Professional electrical 535.5300.0
- ATMOS® Chair Professional complete 535.5500.0








## 1.2 Explanation of pictures and symbols

### In the operating instructions

 <b>DANGER</b>	Warning of a danger that results in immediate fatal or serious injury. Observe the necessary measures.
 <b>WARNING</b>	Warning of a danger that can cause fatal or serious injury. Observe the necessary measures.
 <b>CAUTION</b>	Warning of a danger that can cause minor injury. Observe the necessary measures.
<b>ATTENTION</b>	Notice of a danger that can damage the product or other objects. Observe the necessary measures.
	Warning of a danger that can cause fatal or serious injury.
	Notice of potential material damage.
	Useful information on the handling of the device.
1.	Action. Proceed step by step.
»	Result of an action.
	Move/plug in this direction.
	Engage, check correct fit.

### On device and type plate

	Follow operating instructions (blue)
	Warning; take extra care to observe
	This product complies with the relevant requirements of the EU Directives.
	Manufacturer
	Manufacturing date
SN	Serial number
REF	Order number
	Application part type B

	For indoor use only
	Professional disposal
	Equipotential bonding
	Alternating current
	Earth
	Maximum load
	Do not transport any weights or persons on the chair (Mobile/Complete versions).

## 1.3 Intended use

### Intended use

- As a treatment chair for treatment and examination on patients who are seated or lying down
- In clinical areas, medical practices, company doctors, dentists (prophylaxis)
- As an appropriate and comfortable surface for supporting the patient during treatment/examination. As an aid for the persons performing the procedure (in order to improve ergonomics and quality during the work)
- Intended users: exclusively for personnel in the appropriate department who have received the appropriate training and instruction, i.e. doctors, assistants, nurses, carers, etc.
- Installation and start-up may need to be carried out by the operating company's technical personnel, or those of an authorised specialist dealer

### NON-intended use

- In the vicinity of high-frequency surgical devices or defibrillators
- In environments where flammable or explosive gases or vapours (e.g. anaesthetics) may occur
- As a work chair
- As an operating chair/table
- As a substitute for a bed

## 1.4 Function

The ATMOS® patient chair can be adjusted to suit the individual patient. The seat height can be adjusted electrically using a built-in or separate foot switch, and the height and angle of the headrest can be altered manually. The backrest can be tilted manually or electrically until completely horizontal; the leg rest will move in synchronisation with the backrest. The top section of the chair can be rotated, and the arm rests can be folded up individually.

An operation lock can be set to prevent the chair from being tampered with or operated accidentally. The chair may also have an optional turning seating surface.

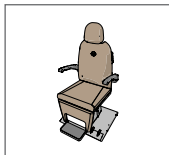
### Versions

	Basic	Mobile	Electrical	Complete
Electrically adjustable seat height	x	x	x	x
Manually adjustable backrest	x	x		
Electrically adjustable backrest			x	x
Synchronised leg rest	x	x	x	x
Mobile		x		x
Rotary seating surface	Optional	Optional	Optional	Optional

## 1.5 Intended users

Exclusively for personnel in the appropriate department who have received the appropriate training and instruction, i.e. doctors, assistants, nurses, carers, etc.

## 1.6 Scope of delivery



ATMOS® Chair  
Professional



Operating  
Instructions

## 1.7 Transport and storage

Only transport the device in a shipping carton that is padded and offers sufficient protection.

If damage occurs during transport:

1. Document and report the transport damage.
2. Send the device to ATMOS, see Chapter "3. Check whether all the fixing screws are fully tightened." on page 18.

### Ambient conditions for transport and storage:

- Temperature: -10...+50°C
- Relative humidity: 20...95% without condensation
- Air pressure: 700...1060 hPa

## 2 Notices for your safety

The safety of the ATMOS® Chair Professional corresponds to the recognised technical regulations and the guidelines in the German Medical Devices Act.

Please read and pay attention to the safety instructions prior to using the product.

### 2.1 General safety information

Activate the operation lock if you need to leave your patients alone, or if there is a risk of buttons and foot switches being operated unintentionally. Never leave elderly persons, children, injured persons, persons with disabilities or other patients who require assistance alone on the patient chair.

The Declaration of Conformity shall be rendered null and void if any changes are made to the product by the customer or any third parties. This includes, but is not limited to: conversions of all types, the use of third-party accessories, and the removal of warning and information signs.

If any signs are missing from your device or no longer legible, contact ATMOS and replace the signs in question.

### 2.2 Danger for users, patients and third parties

#### **Electric shock due to unsuitable mains connection, incorrect handling of the product or damage to product components.**

Risk of burns, cardiac arrhythmias and even fatal injury.

- Prior to each use, check for damage to the device and the power cable. Do not operate the device if you notice any damage. In this case, mark the device accordingly, clean and disinfect it, and send it in to ATMOS for repair.
- If the patient chair rolls over the power cable or the power cable is otherwise subjected to strain or loads: check that the power cable is not damaged. Do not operate the patient chair if you notice any damage.
- Do not clean the device in a washing plant or using a high-pressure cleaner.
- Disconnect the device from the mains power supply prior to cleaning or disinfection.
- The device can only be disconnected from the power supply by pulling out the power plug.
- Position the device so that it can always be disconnected from the mains power supply easily.
- Never connect the device to a mains power supply without a protective conductor.
- Take care to ensure that no liquid gets into the device. If liquid gets into the device, operation of the device must cease. In this case, clean and disinfect the device and send it to ATMOS for repair.
- Only use original accessories and original spare parts from ATMOS.
- Observe the specifications regarding period tests in chapter "6.1 Period tests" on page 18.
- Assembly, new settings, alterations, extensions and repairs may only be carried out by authorised persons.
- Do not modify the device without the manufacturer's permission.

### **Keep the device fully functional at all times.**

Malfunctions could cause injury to you and your patients.

- Prior to each use, check whether the device is damaged. Do not operate the device if you notice any damage.
- Perform a function check at least once a week, and also at any other time if you have any concerns with regard to the safety of the device.
- Please observe the notices on the electromagnetic compatibility (EMC) of the device.
- Observe the specifications regarding period tests in chapter "6.1 Period tests" on page 18.
- Only use original accessories and original spare parts from ATMOS.
- Assembly, new settings, modifications, extensions and repairs may only be carried out by persons who are authorised by ATMOS.

### **Risk of tipping due to overloading on one side.**

The patient chair may tip over, injuring you or your patient.

- Ensure that the patient sits in the middle of the seating surface. The patient must not be allowed to sit on the arm rest, backrest or leg rest.
- Move the patient chair to the bottom position and the backrest to an upright position before the patient sits down or stands up.

### **Risk of infection due to patient secretion on the device!**

Risk of diseases being transmitted.

- Clean and disinfect the device after every use.
- Clean and disinfect the device in accordance with the operating instructions.

### **Explosion and fire hazard!**

There is a risk of burns and injuries.

- Never operate the device in potentially explosive areas or areas which are oxygenated.
- Only use original accessories and original spare parts from ATMOS.

Only a fully functional product meets the safety requirements of users, patients and third parties. As such, observe the following instructions regarding the product.

## **2.3 Avoid damage to the device**

### **Damage caused by rolling the patient chair in contravention of intended use.**

There is a risk of damage to the patient chair and the power cable.

- Do not transport any weights or persons on the patient chair.
- Do not roll the patient chair over the power cable.

### **Damage due to excessive load.**

There is a risk of damage to the foot support.

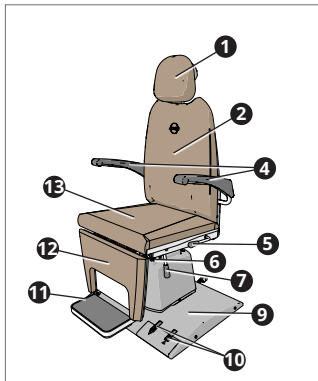
- Do not allow patients to place their full weight on the foot support.



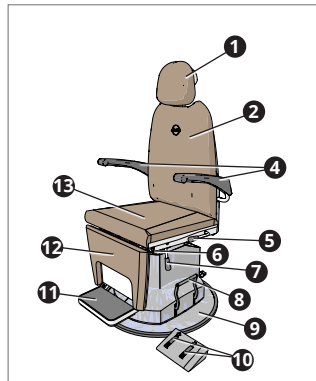
## 3 Setting up and starting up

### 3.1 Device overview

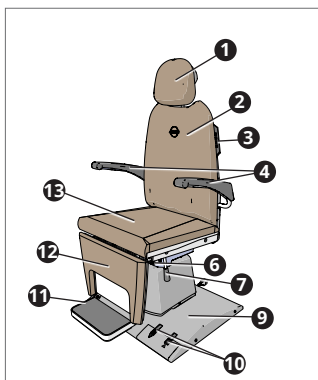
#### Front view



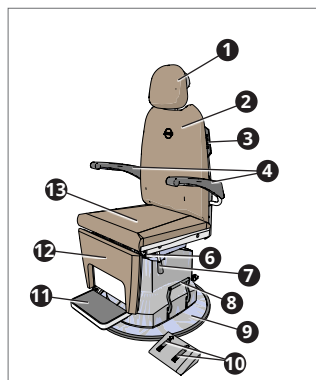
Basic



Mobile



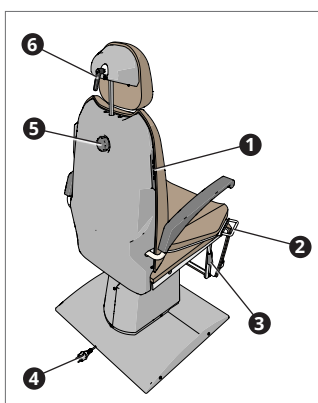
Electrical



Complete

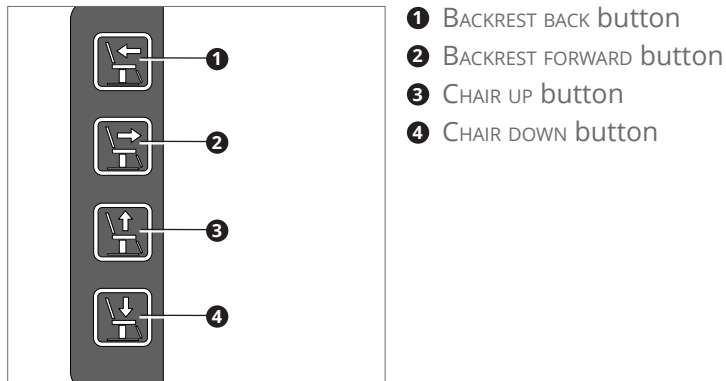
- ❶ Headrest
- ❷ Backrest
- ❸ Control panel (Electrical/ Complete versions)
- ❹ Arm rest
- ❺ Backrest release lever (Basic/ Mobile versions)
- ❻ Equipotential bonding connection
- ❼ Release lever for top section of chair
- ❽ Roller foot pedal (Mobile/ Complete versions)
- ❾ Base
- ❿ Foot switch
- ⓫ Foot support
- ⓬ Leg rest
- ⓭ Seating surface

#### Rear view



- ❶ Control panel (Electrical/Complete versions)
- ❷ Handle for turning seating surface (optional)
- ❸ Release lever for top section of chair
- ❹ Power cable
- ❺ Headrest locking screw (height)
- ❻ Headrest locking screw (angle)

### Control panel (Electrical/Complete versions)



## 3.2 Connecting the device

1. Clean and disinfect the product prior to first use.
2. Connect the equipotential bonding if required.
  - ⊞ The equipotential bonding must be connected if required by the spatial environment in which the product is going to be used. Refer to the specifications of standard IEC EN 60601-1.
3. Check whether the mains voltage and frequency of the device match the voltage and frequency of the mains power supply .
  - ⊞ The device's specifications can be found on the type plate.
4. If the mains voltage and mains frequency match: Connect the device to a mains power supply with a protective conductor using the supplied power cable.
5. Perform a function check; see Chapter "6.2 Function check" on page 18.

## 4 Operation

### 4.1 Ambient conditions during operation

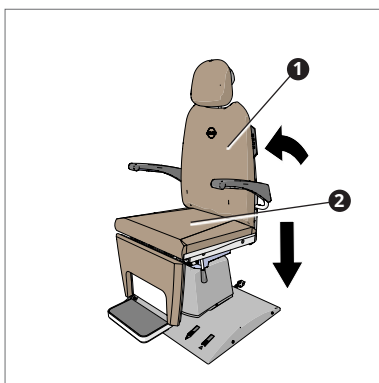
The product is intended exclusively for use in buildings and under normal ambient conditions. Do not subject the upholstery to high temperatures.

- Temperature: +10...+35°C
- Relative humidity: 20...95% without condensation
- Air pressure: 700...1060 hPa

The device can only be disconnected from the power supply by pulling out the power plug. Position the device so that it can always be disconnected from the mains power supply easily.

### 4.2 Positioning the patient

Ensure that the patient sits in the middle of the seating surface. The patient must not be allowed to sit on the arm rest, backrest or leg rest. Do not allow patients to place their full weight on the foot support.



**⚠ Risk of tipping due to overloading on one side.**

1. Move the backrest **1** to an upright position.
2. Move the chair **2** to its bottom position.
3. Do not let the patient sit down or stand up until this is done.

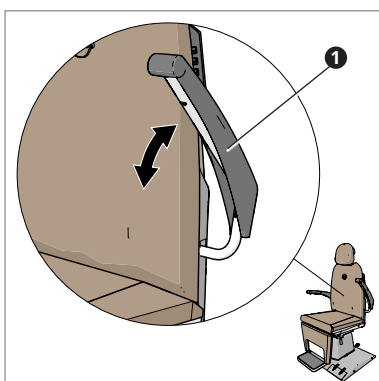
### 4.3 Adjusting the Patient Chair

#### **⚠ CAUTION**

**Risk of crushing by moving parts.**

There is a risk of the patient's fingers being crushed.

- The patient's arms must remain on the arm rest at all times while you are adjusting the patient chair.



#### 4.3.1 Adjusting the arm rests

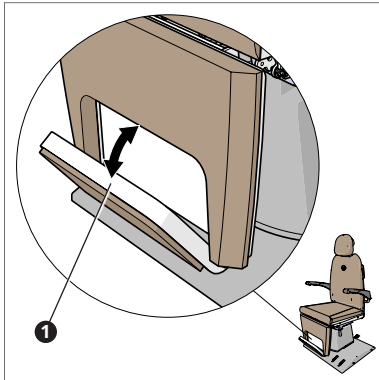
##### Folding the arm rests up

1. Fold the arm rest **1** up in a controlled manner.

##### Folding the arm rests down

**ⓘ** The arm rests can be damaged if allowed to drop down under their own weight.

1. Fold the arm rest **1** down in a controlled manner.



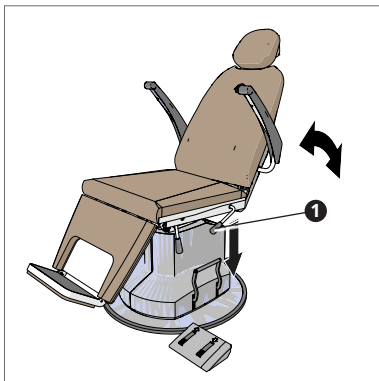
### 4.3.2 Adjusting the foot support

#### Unfolding the foot support

1. Pull the handle and fold the foot support down.

#### Folding the foot support away

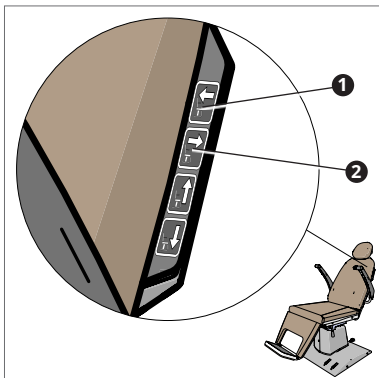
1. Fold the foot support up.



### 4.3.3 Adjusting the backrest

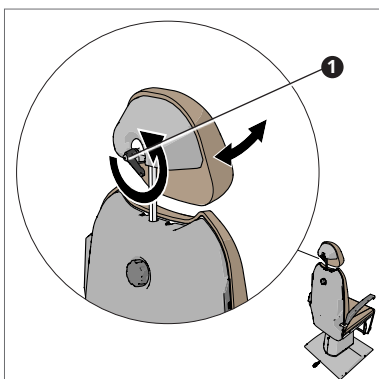
#### Mechanical

1. Push the backrest release lever **1** down, pushing or pulling on the backrest at the same time.
2. Let go of the backrest release lever **1** as soon as the backrest reaches the required position.
  - » The backrest is fixed in place.



#### Electrical (Electrical/Complete versions)

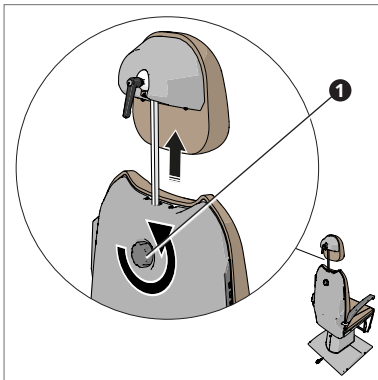
1. Press the BACKREST BACK **1** button and hold it down until the backrest reaches the required position.
  - ☞ The leg rest will move in synchronisation with the backrest.
2. To move the backrest back to an upright position, press the BACKREST FORWARD button **2**.



### 4.3.4 Adjusting the headrest

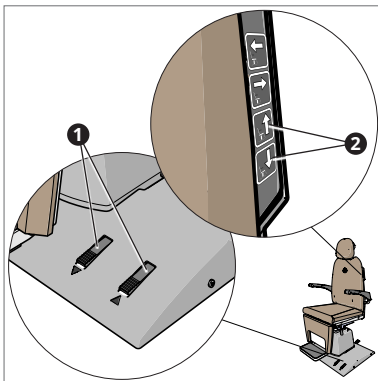
#### Angle

1. Undo the headrest locking screw (angle) **1** and move the headrest to the required position.
2. Tighten the headrest locking screw (angle) **1**.
  - » The headrest is fixed in place at the current angle.



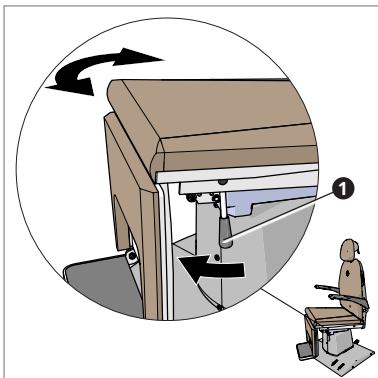
### Height

1. Undo the headrest locking screw (height) **1** and move the headrest to the required position.
  2. Tighten the headrest locking screw (height) **1**.
- » The headrest is fixed in place at the current height.



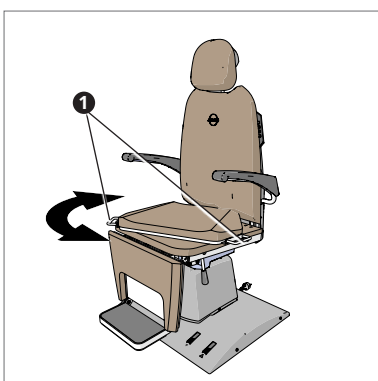
### 4.3.5 Adjusting the seat height

1. Press the corresponding foot switch **1**.
- ☞ Electrical/Comfort versions: you can also use the appropriate button on the backrest **2**.



### 4.3.6 Turning the Patient Chair

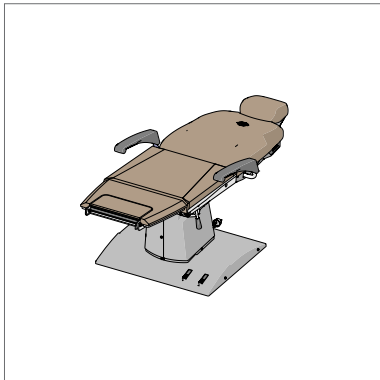
1. Pull the release lever for rotary movement **1** forwards.
  2. Turn the top section of the chair.
  3. Push the release lever for rotary movement **1** back.
- » The patient chair is fixed in place.



### 4.3.7 Turning the seating surface (optional)

1. Turn the seating surface in the required direction using the two handles **1**.
- » The seating surface will latch into place.

## 4.4 Adjusting the shock position



1. Adjust the angle of the backrest up to a fully horizontal position.

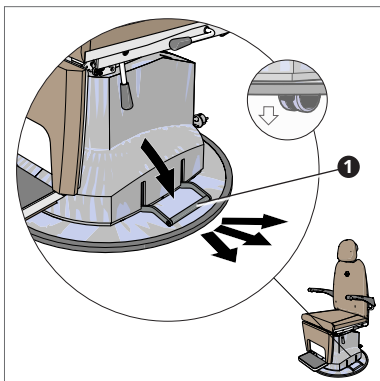
## 4.5 Moving the Patient Chair (Mobile/Complete versions)

### ATTENTION

**Damage caused by moving the patient chair in contravention of intended use.**

There is a risk of damage to the patient chair and the power cable.

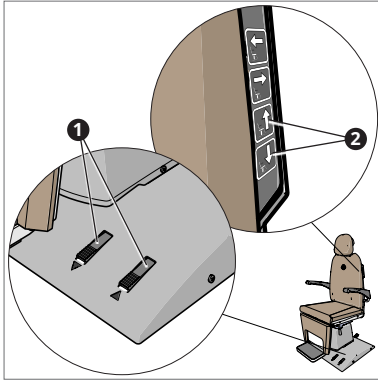
- Do not transport any weights or persons on the patient chair.
- Do not roll the patient chair over the power cable.



1. Move the chair to its bottom position.
2. Move the backrest to an upright position.
3. Pull the power plug out of the socket and place the power cable on the patient chair.
4. Place the foot switch on the patient chair.
5. Press the foot pedal **1** down to extend the rollers.
6. Move the patient chair to the required position.
7. Press the foot pedal **1** up to retract the rollers.

## 4.6 Activating and deactivating the operation lock

- ☞ Activate the operation lock if you need to leave your patients alone, or if there is a risk of buttons and foot switches being operated unintentionally. Never leave elderly persons, children, injured persons, persons with disabilities or other patients who require assistance alone on the patient chair.



### Foot switch

1. Press both foot switches simultaneously and hold down for five seconds **1**.
- » A signal will sound. The operation lock will be activated or deactivated.

### Control panel (Electrical/Comfort versions)

1. Press the CHAIR UP and CHAIR DOWN buttons **2** at the same time and hold them down for five seconds.
- » A signal will sound. The operation lock will be activated or deactivated.

## 5 Cleaning and Disinfection

We recommend that you always document all maintenance work and part replacements in writing.

It is the responsibility of the user to ensure that the required results for cleaning and disinfection are adhered to. Validation and routine monitoring of the procedure will generally be necessary.

### **WARNING**

#### **Electric shock due to liquid inside the device.**

Risk of burns, cardiac arrhythmias and even fatal injury.

- Do not clean the device in a washing plant or using a high-pressure cleaner.
- Make sure that the cleaning cloth is only damp, not wet.
- Clean and disinfect the device in accordance with the operating instructions.

### **CAUTION**

#### **Risk of infection due to secretion on the product and accessories.**

Risk of diseases being transmitted.

- Always wear disposable gloves during all cleaning operations.
- Clean the product after each use.
- Clean and disinfect the device in accordance with the operating instructions.

### 5.1 Cleaning and disinfecting the surfaces

Clean the product after each use. Disinfect the patient chair if it becomes contaminated by secretion or other substances, at least once per day is necessary.

1. Move the chair to its bottom position.
2. Disconnect the chair from the mains power supply.
3. Moisten a clean, non-linting cloth with lukewarm, soapy water or a conventional plastic cleaning agent.
4. Clean the surfaces with the damp cloth.
5. Disinfect the surfaces with a clean, non-linting cloth and a recommended disinfectant.
6. Leave the device to dry before using it again.

### 5.2 Cleaning and disinfecting the upholstery

Always remove any oil, grease or sweat from the upholstery immediately. Clean the patient chair after each use. Disinfect the patient chair if it becomes contaminated by secretion or other substances, at least once per day is necessary.

1. Move the chair to its bottom position.
2. Disconnect the chair from the mains power supply.
3. Use warm, mild, soapy water.
4. Clean the upholstery using a damp micro-fibre cloth or a soft brush.
5. Disinfect the upholstery with a clean, non-linting cloth and a recommended disinfectant. Do not allow the disinfectant to soak in for longer than necessary.



## 5.3 Recommended disinfectants

**ATTENTION**

### Unsuitable cleaning agents and disinfectants.

Risk of damage to the device surface, corrosion damage and stress cracks.

- Do **not use** cleaning agents or disinfectants that contain the following ingredients:
  - Irritants
  - Substances that may damage plastics or steel components or dissolve lubricants.

**ATTENTION**

### Unsuitable cleaning agents and disinfectants.

There is a risk of damage to the upholstery.

- Do **not use** cleaning agents or disinfectants that contain the following ingredients for the upholstery:
  - Solvents or chlorides
  - Polish or wax polish
  - Chemical cleaning agents
  - Oils, greases or alcohol
- Use cleaning agents with a pH value of between 6 and 8.
- Observe the manufacturer's specifications with regard to concentration and soaking-in time.

Use a suitable surface disinfectant.

## 6 Maintenance and service

Maintenance, repairs and period tests may only be carried out by persons who have the appropriate technical knowledge and are familiar with the product. The person must possess the necessary test devices and original spare parts required to carry out these measures.

ATMOS recommends: Work should be carried out by an authorised ATMOS service partner. This ensures that the repairs and testing are carried out professionally, that original spare parts are used and that warranty claims remain unaffected.

### 6.1 Period tests

Please comply with the country-specific guidelines regarding regular testing, especially with regard to electrical safety.

ATMOS recommends performing a test every 24 months.

### 6.2 Function check

Perform a function check at least once a week, and also at any other time if you have any concerns with regard to the safety of the device.

1. Check whether the chair or power cable are damaged. Look particularly closely for cracks and kinks.
2. Move the chair to its bottom position, paying attention to any unusual noises or odours.
3. Electrical/Complete versions: Adjust the backrest, paying attention to any unusual noises or odours.
4. Check that all the moving parts can be adjusted without any problems:
  - Backrest
  - Arm rests
  - Headrest
  - Foot support
  - Optional: Rotary seating surface
5. Check whether the chair can be turned without any problems.
6. Mobile versions only: Check whether the chair can be moved without any problem.

### 6.3 Lubricating moving parts

Lubricate the moving parts at regular intervals to keep them fully functional.

1. Remove any dirt from the moving parts.
2. Lubricate the axes and joints using commercially available oil or grease.
3. Check whether all the fixing screws are fully tightened.

### 6.4 Sending in the device

1. Clean and disinfect the product and accessories in accordance with the operating instructions.
2. Place used accessories with the product.
3. Fill in the QD 434 "Delivery complaint/return shipment" form and the corresponding **decontamination certificate**.

☞ This form is enclosed with each delivery and can be found at [www.atmosmed.com](http://www.atmosmed.com).

4. The device must be well padded and packed in suitable packaging.
5. Place the QD 434 "Delivery complaint/return shipment" form and the corresponding **decontamination certificate** in an envelope.
6. Affix the envelope to the outside of the package.
7. Send the product to ATMOS or your dealer.

## 7 Troubleshooting

The product has been subjected to a thorough quality control in the factory. If a fault should occur despite this care, you may be able to resolve it yourself.

Error symptom	Possible cause	Remedy
The patient chair is no longer responding when buttons are pressed.	Operation lock active	1. Deactivate the operation lock; see page 15.
The patient chair is no longer responding when buttons are pressed; a pulsing signal sounds.	The system has crashed, e.g. due to fluctuations in the mains voltage	1. Press the CHAIR UP and CHAIR DOWN buttons at the same time and keep them held down until the pulsing signal tone sounds and then stops again. » The system has been reset.
Inexplicable noises detected.	Motor defective or worn	1. Disconnect the device from the mains power supply. 2. Contact an authorised ATMOS service partner.
The motor is becoming hot.		

## 8 Disposal

### Packaging

1. Please recycle the packing.

### ATMOS® Chair Professional

Do not dispose of the product together with household waste.

Basic/Mobile versions: The product contains oil. Oil must be disposed of professionally, and must not be allowed to penetrate into the soil or water.



1. Clean and disinfect the device.
2. In Germany: Send the product in to ATMOS or your specialist dealer. They will dispose of the device professionally.
3. In other countries: Dispose of the product professionally and according to the country-specific laws and regulations.

In Germany, the device is excluded from the Electrical and Electronic Equipment Act (ElektroG) in accordance with the National Register for waste electric equipment because it may be contaminated. Do not dispose of the device in the electrical waste.

The housing is fully recyclable. Observe to the country-specific laws and regulations.

### Gas springs (Basic/Mobile versions)

Observe the following instructions if you are unable to return the product to ATMOS or your specialist dealer for disposal.

#### CAUTION

#### **Risk of injury and crushing due to high internal pressure in the gas springs and sudden movements of the piston rods.**

There is a risk of injury to the eyes, face and hands.

- Wear suitable protective equipment.
  - Cover the vent.
  - Take extra care when operating the release mechanism after the gas springs have been removed.
1. Depressurise the gas spring. Always observe the gas spring manufacturer's specifications. The manufacturer is named on the type plate.
  2. Drain the oil used for the gas spring.
  3. Dispose of the oil properly and professionally.
  4. Recycle the gas spring.

## 9 Technical data

Voltage	230 V~ ± 10%; 50/60 Hz
Current consumption	Max. 2 A (230 V)
Power consumption	Max. 460 W
Fuses	T 6.3 A (for 230 V~, 50/60 Hz)
Seat height	58 cm (rigid seat upholstery)
Max. lifting capacity	200 kg (safe working load)
Vertical speed	Max. 18 mm/s
Height of backrest	Approx. 600 mm (without headrest) Approx. 780 mm (headrest in bottom position)
Rotation	<ul style="list-style-type: none"> <li>• Basic/Mobile versions 360°</li> <li>• Electrical/Complete versions +/-165°</li> </ul>
Backrest inclination	+7° up to -90°
Operating time	Intermittent operation: 2 min/18 min
Protective earth conductor resistance	Max. 0.2 Ω
Earth leakage current	Max. 0.5 mA
Housing leakage current	Max. 0.1 mA
Patient leakage current	Max. 0.1 mA
Ambient conditions for transport/ storage	<ul style="list-style-type: none"> <li>• Temperature -10...+50°C</li> <li>• Humidity without condensation 20...95%</li> <li>• Air pressure 700...1060 hPa</li> </ul>
Ambient conditions for operation	<ul style="list-style-type: none"> <li>• Temperature +10...+35°C</li> <li>• Humidity without condensation 20...95%</li> <li>• Air pressure 700...1060 hPa</li> </ul>
Maximum operational altitude	≤ 2000 m
Contamination level	Class 1
Overvoltage category	II
Dimensions (LxWxH)	<ul style="list-style-type: none"> <li>• Basic/Electrical versions 730 x 700 x 1300 mm (foot support folded away, headrest in bottom position)</li> <li>• Mobile/Complete versions 730 x 705 x 1300 mm (foot support folded away, headrest in bottom position)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• Basic/Electrical versions 98 kg</li> <li>• Mobile/Complete versions 110 kg</li> </ul>
Period tests	Recommended: Test every 24 months.
Protection class (EN 60601-1)	I
Degree of protection	Application parts type B
Type of protection	IP X4

Classification according to Appendix IX, EC Directive 93/42/EEC	Class 1 In accordance with Regulations 1 & 12, Section 3
CE marking	CE
UMDNS code	10-794
ID No. (REF)	535.5200.0 Basic 535.5300.0 Electrical 535.5400.0 Mobile 535.5500.0 Complete

## 10 Notices on EMC

As soon as the patient chair is connected to the mains power supply and highly sensitive measuring equipment is in use at the same time, it is impossible to guarantee that the patient chair is not electro-magnetically affecting the measurement results.



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