

Gebruikershandleiding Adam Trippelstoel



msp 

Table of contents

Preface.....	3
Intended Use	4
Safety Instructions	5
Preparations	6
Description of delivered parts	7
Function Description	9
Stepping onto and off your Adam working chair	11
Cleaning and Disinfection instructions	12
Step-by-step plan Cleaning and Disinfection	13
Step 1 – Removal or visual pollution	13
Step 2 – Usage of all-purpose cleaner	13
Step 3 – Use of disinfectant.....	13
Step 4 – Cleaning up	13
Instructions how to handle the batteries	14
WARNING	14
Storage.....	14
Charging the Adam	15
Preventative Maintenance Schedule (POS)	16
Annual Inspection	17
Unrecommended usage.....	18
Solving Problems.....	18
Technical Specifications	19
Dimensions & Adjustment range.....	20
Labels.....	20
Parts & Accessories	21
Remarks / Notes:	22

Preface

Dear Customer,

Thank you for choosing the Adam trip chair from MSP Medical Products! We wish you many years of ease of use.

You will find that the Adam offers many options to help you sit and move comfortably and healthily.

It is highly recommended to read this user manual carefully to familiarize yourself with the features that this chair offers.

If you have any questions, please contact your supplier/dealer or us directly, and we will be happy to assist you.




Best regards,
MSP Team

General Information

MSP strongly advises always ordering original spare parts via msp-medical.com. These are specially designed and produced for your Adam Trip Chair. This minimizes the risk of hazards and injuries caused by using non-original parts.

MSP continuously develops and improves its products. As a result, we reserve the right to change specifications without prior notice.

If the following terms are used in this manual, their meaning is as follows:

-  **WARNING:**
Failure to follow the warning may result in injury to yourself and others.
-  **CAUTION:**
Failure to follow the instructions may cause damage to the entire chair or its components.
-  **NOTE:**
This note is important for the correct functioning of the chair.

Read this manual carefully

We ask that you carefully read this user manual before using the Adam Trip Chair. The information in this manual is essential for the proper functioning and maintenance of your chair, as well as for preventing potential injuries due to incorrect use.

Non-original modifications can compromise the safety of your chair.

Medical Spare Parts B.V. is not responsible for any accidents, incidents, or reduced lifespan resulting from this.

Intended Use

The use of the Adam Trip Chair must align with the intended purpose and safety instructions. If there are any uncertainties, please contact us or your dealer/supplier.

This device is designed to function as a trip/work chair and is intended primarily as an aid in private settings. The purpose of this chair is to simplify the user's life with its height adjustment functionality, low rolling resistance wheels, and ergonomic design.

User Assessment

This device is intended for users who meet the following recommendations:

- The user's weight does not exceed 135 kg.
- The user's height is at least 120 cm.
- The user has sufficient functionality in their feet/legs to move independently.

Lifespan of the Device

The lifespan of this device is at least ten (10) years. However, depending on the intensity of use and charging intervals, the lifespan of the battery pack and wheels may be shorter.

This lifespan is calculated assuming preventive maintenance is carried out as described in this manual.

Depending on wear and tear, some components such as batteries, wheels, and upholstery parts may need to be replaced during the device's lifespan.

Safety Instructions

Below are some essential instructions for the safe use of your device.

WARNING

Ensure that the chair is always braked when getting in and out. This prevents possible injuries.

WARNING

When sitting in the chair and wanting to move, make sure the armrests are raised and locked.

WARNING

Never brake the chair on a slope and lean backward. Otherwise, you risk the chair tipping over.

CAUTION

This device is for indoor use. Using this device outdoors may cause permanent damage to the wheels and electrical components.

CAUTION

Never use sharp objects near your device. This can cause damage.

CAUTION

Never perform work on the Adam Trip Chair if you do not have the necessary knowledge or authorization.

Preparations

Before using your device, take the following preparations into account.

First Use

1. Perform a visual inspection to check for any transport damage to your Adam.
2. Dispose of the packaging according to applicable regulations.
3. Verify that all parts have been delivered. You can compare this with the “Description of Supplied Parts” list in this user manual.
4. Read this user manual carefully.
5. Unpack the battery charger and place it in an easily memorable location.
6. Charge your Adam for at least 8 hours.
7. Test all functions as explained in the Preventive Maintenance Schedule (PMS).
8. Store this user manual in an easily accessible location.

Before Each Use




1. Check the wheels and the parking brake.

NOTE

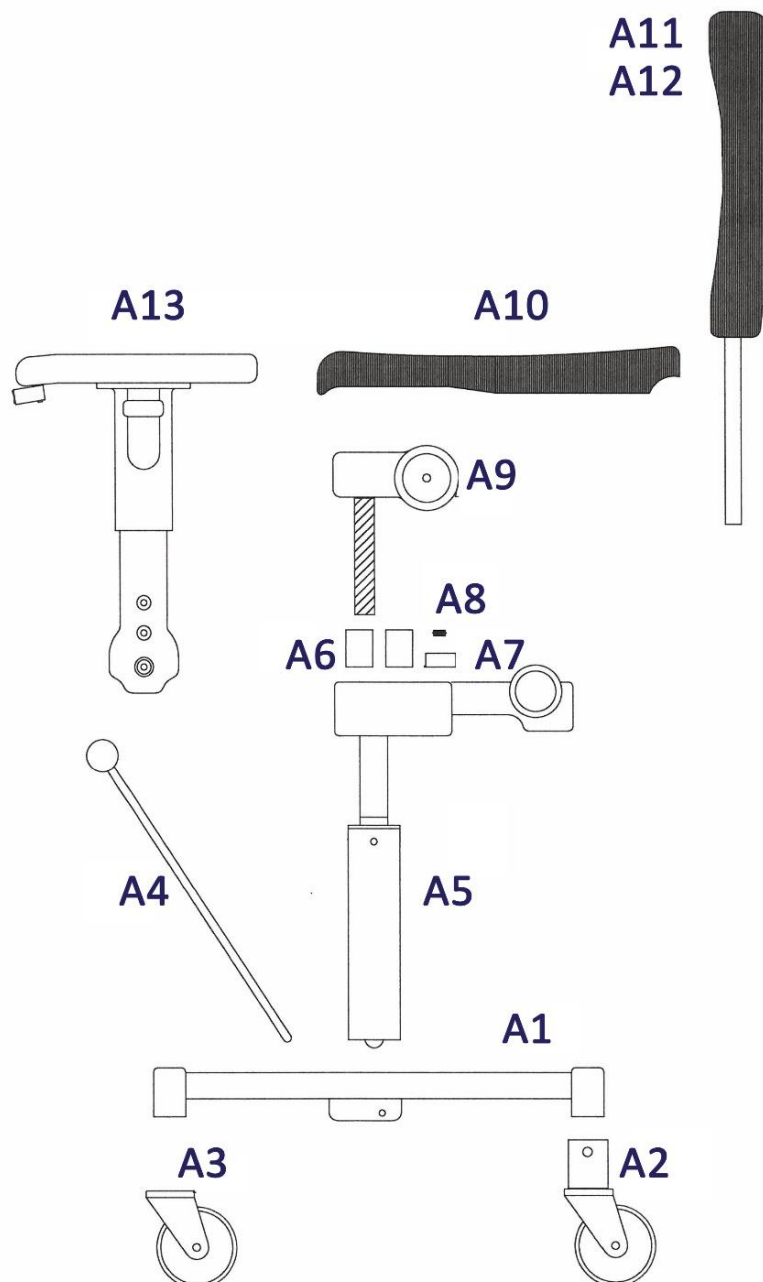
If you have any questions or uncertainties about using the Adam, please contact your dealer/supplier or us.

Description of delivered parts

The Adam packaging contains the following:

-  Adam working chair
-  Battery charger
-  User manual

In this *exploded view* you can identify the individual parts of the chair:



Description of delivered parts

Item	Artikelnummer	Omschrijving	Aantal	Opmerkingen
A1	MSP-MT-MP-00100	Main frame	1	
A2	MSP-WH-MP-00141	Castor unbraked	2	Ø 100 mm
A3	MSP-WH-MP-00151	Castor braked	2	Ø 100 mm, centrally braked
A4	MSP-MT-MP-00110	Brake lever	1	Including ball knob
A5	MSP-MT-MP-00150	Lifting column	1	Complete composition
A6	MSP-A-MP-00100	Battery	2	
A7	MSP-EK-MP-00100	Electronica box	1	
A8	MSP-OV-MP-00100	Power resistance	1	Motor protection
A9	MSP-MO-MP-00100	High/low actuation	1	Complete composition
A10	MSP-PD-MP-0010X	Seat	1	X=0 for blue X=1 for grey
A11	MSP-PD-MP-0011X	Backrest LOW	1	X=0 for blue X=1 for grey
A12	MSP-PD-MP-0012X	Backrest HIGH	1	X=0 for blue X=1 for grey
A13	MSP-KIT-MP-00100	Armrest	2	Complete composition

Function Description

Mechanical Height Adjustment:

Deze instelling is enkel voorzien om de Adam aan uw lichaamslengte aan te passen en dient door uw dealer/verstrekker bij het eerste gebruik ingesteld te worden.

1. The height of the chair can be manually adjusted to fit the user's body height.
2. To adjust, loosen the M10 bolt (SW 17).
3. Set the column to the desired height while ensuring the seat remains level.
4. Retighten the bolt with a maximum torque of 90NM.

Electrical Height Adjustment:

The Adam Trip Chair is electrically height adjustable.

Use the control under the armrest to raise or lower the chair.

Press the button in the direction of the upward arrow to raise the chair.

Press the button in the direction of the downward arrow to lower the chair.

The control can be positioned on either the left or right side upon request.

An additional handheld control is available as an optional extra.



Parking brake operation:




A lever was attached to the chair to operate the parking brake. If the lever is in forward position, the chair can be moved. When the lever is in backward position, the rear wheels are entirely blocked and you can safely step on or off.

In consultation with your dealer/provider this lever can be positioned on the left or right hand side.






Function Description

Angle adjustment backrest:

-  Press the lever below the backrest down
-  Put the backrest in the correct position and put the lever up again
-  The backrest is now locked in the new position



Height adjustment backrest:

-  Unscrew the round knob counter clockwise
-  Slide the back to the desired height
-  Subsequently tighten the round knob turning it clockwise



Width adjustment armrests:



The width between the armrests can be adjusted by unscrewing the Allen bolts at the bottom of the seat.

Afterwards you can adjust the width.

Once the desired width has been reached, you must retighten the Allen bolts.



Height adjustment armrests:

-  The height of the armrests can be adjusted by pulling the handle on the side upwards.
-  Then set the armrests to the desired height and release the handle.



Function Description

Folding away the armrests:

armrests of the Adam can also be folded away to be able to easily transfer sideways. To do this, pull up the entire armrest and fold it backwards.



Stepping onto and off your Adam working chair

Make sure that the parking brake is always on before you step onto or off your triple chair, as set out on page 12 of this manual.



If you want to step onto the triple chair from a bed or a sofa, you can fold the armrests backwards to transfer sideways. How to fold away the armrests is described on the previous page.

After you are seated, you can place back the armrest. This will automatically go back to locked position.

Cleaning and Disinfection instructions

For the best result, only use “MSP Medical Chemicals and MSP Medical disposables” products.

We recommend the following products for your Adam triple chair:

-  MSP Medical Chemicals All-purpose cleaner (MC-AR-001)
-  MSP Medical Chemicals Disinfectant (MC-DI-001)



We recommend the following cleaning accessories for your Adam triple chair:

-  MSP Medical Disposables Gloves (MD-HA-LX-001)
-  MSP Medical Disposables Goggles (MD-EY-CL-001)
-  MSP Medical Disposables Spray Bottle (MD-GN-BT-001)
-  MSP Medical Disposables Cleaning Cloth (MD-GN-TW-001)
-  MSP Medical Disposables Towels (MD-GN-TW-002)
-  MSP Medical Disposables Short Soft Brush (MD-GN-BR-001)
-  MSP Medical Disposables Long Soft Brush (MD-GN-BR-002)



If you have any questions about procedure below or if you wish to order the products/accessories, then please contact our customer service.
via +31 88 0531 000 or visit our webshop: msp-medical.com

WARNING

In order to prevent injury on eyes and skin, wear goggles and gloves at all times. In case of contact with the skin, rinse with abundant water. Should any irritation arise on the skin or eyes, then contact a GP.

Always read the user manual and Material Safety Data Sheet (MSDS) of the disinfectant.

WARNING

In order to prevent contamination, observe the steps in this user manual at all times.




NOTE

In order to prevent damage to your Adam triple chair, use only MSP Medical Chemicals products.






Step-by-step plan Cleaning and Disinfection

Your Adam Triple chair is easy to maintain by use of this step-by-step plan. When you meticulously follow this procedure, the chair will always be in optimal hygienic condition.






Step 1 – Removal or visual pollution

-  Put on gloves before you start
-  Remove dust and any dirt from the Adam by filling a spray flacon with water and spray the upholstery and frame. Then take a soft brush and remove any dirt. Dry it with a cleaning cloth
-  Check if there is any dirt around the wheels (such as hairs or accumulated dust) and remove this manually


Step 2 – Usage of all-purpose cleaner

-  Also put on the safety glasses (goggles) now
-  Take the MSP Medical Chemicals all-purpose cleaner in spray flacon and spray the chair entirely, with the exception of the upholstery
-  Use the (long) soft brush and thoroughly brush the entire chair. A cleaning cloth can also be used
-  Use a new cleaning cloth and dampen it with water. Remove any cleaning residue. Optionally a spray flacon with water and dry cloth can be used to remove the residues
-  Repeat step above until the chair is free from cleaning residue. The cloth should be frequently scoured in water

Step 3 – Use of disinfectant

-  Use the MSP Medical Chemicals disinfectant in spray flacon and spray the chair entirely, with the exception of the upholstery
-  Use the (long) soft brush and thoroughly brush the entire chair. A cleaning cloth can also be used
-  Use a new cleaning cloth and dampen it with water. Remove any disinfection residue. Optionally a spray flacon with water and dry cloth can be used to remove the residues.
-  Repeat step above until the chair is free from disinfection residue. The cloth should be frequently scoured in water.
-  Now allow the entire chair to dry.

Step 4 – Cleaning up

-  Your Adam triple chair is once again ready for use. All materials used must be disposed of/reused in accordance with the applicable recycling standards.

Instructions how to handle the batteries

WARNING

In order to avoid injury, the battery should NEVER be:

- Crushed
- Punctured
- Opened
- Disassembled

If the casing of the battery is opening up and the content comes into contact with your skin and/or clothes, the immediately rinse with abundant water.

If the content of the battery pack comes into contact with your eyes, the immediately rinse thoroughly with abundant water and seek medical attention.




Inhaling of the content may lead to irritation of the airways. Move to the outside air and seek medical attention.

REMARK

To prevent overheating and risk of explosion, never expose the battery pack to fire or extreme heat sources.

Storage

If you are not going to use your Adam Triple chair for a longer period of time, observe the following:




-  The batteries will automatically slowly discharge if they are not being used. We recommend to charge the batteries at least every 6 months, using the included charger, to help lengthen the lifespan
-  If the Adam triple chair is not in use, the ambient temperature should be between 0°C and +30°C
-  For optimal performance, never expose the batteries to temperatures higher than +50°C

Charging the Adam

Before use, check the battery charger for damage.

Charge your Adam only using the included battery charger (MSP-C-MP-00100). The usage of a non-original charger may lead to a reduced lifespan of your batteries and/or damage to the electronics.

The included battery charger will regulate itself fully automatically and always ensures the most ideal charging cycle. Please find below the correct step-by-step plan for charging your chair:

-  First connect the charger with the main electricity by plugging it into a socket outlet.
-  Then plug the charging cable into the charging connection under the armrest (fig. 1). The indication LED will now turn red.
-  When charging is completed, the indication LED on the battery charger will turn green. You can now remove the charging cable from the charger connection and disconnect the battery charger from the mains. Store the battery charger in a place that you can easily remember.



With a completely charged battery pack, the Adam can be lifted and lowered approximately 25 times, when an average user weight is being applied. Should the batteries run low, then the electronics will automatically shut down, upon which you will need to charge the chair again, in accordance with abovementioned procedure.

The batteries are based on SLA-technology, due to which they are gas and fluid resistant. This makes it possible to charge at any location and no specific regulations are required.

In practice it may be useful to charge the chair every night, in case of daily use.

If you are not going to use the chair for a longer period of time, then you should set the switch at the back of the chair to 0 (zero) or leave the charger connected. The charger will then serve as a trickle charger and keep the batteries in good condition. This will prevent damage to the battery pack.

For a maximum lifespan we recommend that you charge the battery pack at regular intervals. For example every night, or every other day, depending on the intensity of use.

End of lifespan

If you notice that the Adam can be used for increasingly shorter periods of time, then the batteries require replacement. Contact your dealer/provider or us to order a new battery pack.

The old batteries must be disposed of in accordance with the applicable regulations or can be returned to us.

Preventative Maintenance Schedule (POS)

Unfortunately your Adam triple chair will be subject to wear. If you carry out the activities below at the indicated intervals, you can limit this wear to a minimum and make optimal use of the lifespan.

Activity	Before every use	Every month	Every 6 months	Every 12 months
Check braking performance	X			
Check wheels	X			
Check high/low function		X		
Check charger and battery			X	
Check frame			X	
Check upholstery			X	
Cleaning frame and wheels		X		

WARNING

In order to avoid injury, never carry out modifications to your facility and do not make use of non-compatible parts.

WARNING

Never carry out activities on the Adam triple chair when you do not have the required knowledge or authorisations.








Annual Inspection

Apart from the preventive maintenance, the proper and safe functioning of the Adam triple chair requires annual inspection.







This must be carried out by the technical service of MSP or your dealer/provider.

This inspection must at least contain the following checks:

Mechanical:





-  Check whether the frame and lifting mechanism show (hair)crack indications
-  Check all welding and bolt connections
-  Check on straightness
-  Check on other damage due to wear or external impact
-  Check on the actuation and wheels
-  Check on all slack and adjustments
-  Check the high/low spindle and spindle nut

Electrical:

-  Check wiring for cable breaks
-  Check all plug connections
-  Check the electrical (safety)functions
-  Check the control software
-  Check the battery capacity
-  Check the battery charger

Finally, a grounding/insulation test on the battery pack and the battery charger must be performed!

Unrecommended usage

-  Do not use the Adam triple chair for transport of animals and goods.
-  Do not use the Adam triple chair as a towing, pushing or hoisting tool for any application whatsoever.
-  Do not use the Adam triple chair when it has a defect or when you suspect it has a defect.
-  The Adam triple chair is equipped with a very powerful lifting system, therefore never allow children to play with the triple chair.

Solving Problems

Below you can find a number of problems that may occur, as well as the related solution for these problems.

Description of problem	Cause	Solution
Adam goes heavy/stiff	Parking brake is activated	Deactivate the parking brake
Adam does not react to control	Protection active	Release control, wait for 2 sec. and try again
Adam does not react to control	Battery is empty	Charge battery
Adam can only be lowered	Battery is low	Charge battery

Technical Specifications

General

Maximum total weight	182 kg
Maximum patient weight	140 kg
Weight of the Adam	42 kg
Model and Type	Adam Triple chair MP-AD-SD-00100
IP class	IP 40
Battery item number	MSP-A-MP-0100
Battery technology	Sealed lead/acid technology
Battery capacity	1200mA/h
Battery voltage	12 V/DC
Battery charger item number	MSP-C-MP-00100
Maximum power-on duration	10 % 2 min. ON/18 min. OFF
Maximum sound pressure	60 dB Max.

Usage, Transport & Storage

Temperature	+10°C to +40°C in use -20°C to +70°C during transport -20°C to +70°C in case of storage
Humidity	15-95% at +20°C in use 10-80% at +20°C during transport 10-80% at +20°C in case of storage
Air pressure	800 hPa to 1060 hPa in use 500 hPa to 1100 hPa during transport 500 hPa to 1100 hPa in case of storage

Recycling

This triple chair must be recycled in accordance with national legislation

Battery	Sealed Lead Acid Valve Regulated (SLA/VRLA) Do not throw away, recycle only
Packaging	Cardboard, recyclable
Adam triple chair	Electrical, metal and plastic parts must be separated and recycled in accordance with national legislation

Dimensions & Adjustment range

Seat height	Minimum 42 cm Maximum 74 cm
Electrical height adjustment	200 mm
Mechanical height adjustment	120 mm
Seat depth	46 cm
Seat width	46 cm
Back height	40 cm low back 50 cm high back
Back angle adjustment	75-120°
Wheel diameter	100 mm
Height adjustment armrests	17-25 cm, measured from the seat. Folding away possible for sideways transfer
Length adjustment armrests	N.A.
Width between the armrests	38-65 cm
Maximum user weight	135 kg



Adam in lowest en highest position

Labels

Type no. label

Use the serial number if you contact our technical service or when ordering parts.

"Adam" Working Chair
 Battery Capacity 1.2Ah | Voltage 24V/DC
 Charge with MSP-C-MP-00100
 Max. user weight 135kg/300lbs
 For indoor use only!
 S/N: MPADSD18001






Medical Spare Parts B.V. | De Sonman 7 | 5066GJ, Moergesteel, NL
 W: msspmedicalproducts.com | E: contact@medicalspareparts.com
 T: +31 (0)880531000







Labels controls:

Label high/low control and charger connection.



Parts & Accessories

Item	Article number	Description	From s/n	To s/n	Qty	Remarks
A1	MSP-MT-MP-00100	Main frame	All	All	1	
A2	MSP-WH-MP-00100	Castor unbraked		24602	2	Ø 100 mm
	MSP-WH-MP-00141	Double castor unbraked	24603			Ø 100 mm
A3	MSP-WH-MP-00110	Castor braked		24602	2	Ø 100 mm,
	MSP-WH-MP-00151	Double castor braked	24603			centrally braked
A4	MSP-MT-MP-00110	Brake handle	All	All	1	Including ball knob
A5	MSP-MT-MP-00150	Lifting column	All	All	1	Complete composition
A6	MSP-A-MP-00100	Battery	All	All	2	
A7	MSP-EK-MP-00100	Electronica box	All	All	1	
A8	MSP-OV-MP-00100	Power resistance	All	All	1	Motor protection
A9	MSP-MO-MP-00100	High/low actuation	All	All	1	Complete composition
A10	MSP-PD-MP-0010X	Seat	All	All	1	X=0 for blue X=1 for grey
A11	MSP-PD-MP-0011X	Backrest LOW	All	All	1	X=0 for blue X=1 for grey
A12	MSP-PD-MP-0012X	Backrest HIGH	All	All	1	X=0 for blue X=1 for grey
A13	MSP-PD-MP-00130	Armrest	All	All	2	Complete composition

-  Item: refers to the number in the *exploded views*
-  Article number: Use this number as a reference when ordering
-  Description: A short explanation of the article
-  From s /n | to s /n: Shows the first and last serial number of the facility for which this article is suitable.
-  Quantity: Indicates how many times the article is used in the facility
-  Remarks: Any remarks about the article

Declaration of conformity





EG-Declaration of Conformity

(according to the medical device directive MDR EU 2017/745)

We, MSP Medical Products B.V.
De Sonman 7
5066 GJ Moergestel
The Netherlands

Hereby declare that: Electrically adjustable working chair
Brandname "MSP Medical products"

Types : Adam
(Further referred to as working chair)
With serial numbers MPADSD***** (* has a value between 0-9)

- Complies with MDR EU 2017/745 (medical device directive) and is classified as class 1
- The Working chair has been safety tested according to:
 -  EN 10535
 -  EN 12182
 -  EN 60601-1
 -  Bio compatibility ISO 10993
- The Working chair is EMC tested and complies with requirements in accordance with:
 - o Emission EN 60601-1-2 (2007) + AC (2010)
 - o Emission EN 61000-3-2 (2006) + A1 (2009) + A2 (2009)
 - o Emission EN 61000-3-3 (2008)
 - o Immunity EN 60601-1-2 (2007) + AC (2010)
- The internal power source is safety tested according to IEC60601-1, ANSI/AAMI ES60601-1, CAN/CSA-22.2 No 60601-1, IEC62133, UL2054.

MSP Medical Products bv is not aware of any electromagnetic influences between the Working chair and other electrical products..

Technical file compiled by L.J.M.G. Dhanpat.

The Netherlands, Moergestel, 01-10-2024



L.J.M.G. Dhanpat
Medical Spare Parts B.V.

