



Special Products and Service



Instruction Manual

Model : KOM-001

V2.8X

Important

Read these instructions before use

Symbols



Read the instruction manual before use.



Important note.



29VDC

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1. Introduction

1.1 Description

The Komodo uses a patent protected movement system to create an innovative, independent living product. Komodo combines three products - a stand-alone commode, a stand & assist raiser for use over the toilet, and a shower chair. The seat is operated via a hand held controller which features rise/lower buttons as well as three programable position buttons. A lap belt is provided and must be used when the chair is being operated. A calf support is also provided and can be fitted to the footrests if required. Optional accessories include a harness, potty and headrest.

1.2 Safety

Please read the following safety points carefully before use.

- The Komodo should NOT be used by persons (including children) with reduced sensory or mental capabilities, or lack of experience or knowledge, unless they are supervised by a suitable assistant.
- Children, including those being supervised, should not be allowed to play with the Komodo.
- Ensure that the battery or bung is fitted to the battery holder if using the chair in a wet area.
- The lap belt MUST ALWAYS be used when the end-user is seated on the chair.
- Do not place hands or other appendages near or in the mechanism when the chair is moving.
- Make sure that the end-user always places their hands on the armrests.
- Be aware of obstacles when moving the seat.
- Do NOT navigate raised kerbs, platforms or steps whilst the seat is occupied.
- When the chair is moving always place the end-users feet on the footrests and NOT the frame or other part of the chair.
- When mounting or dismounting from the seat always apply all the wheel brakes.
- When the Komodo is being operated always apply the wheel brakes first.
- There are no parts (other than accessories) which should be dismantled by the caregiver or end-user.
- When moving the chair on its wheels always have the seat in its lowest position.
- Never operate the chair unless it is on a level surface.

- Set the seat to the correct height when positioning over a toilet.
- Do NOT operate the seat whilst moving the chair.
- Do NOT expose the Komodo to water in excess of 43°C.
- Do NOT stand on any part of the Komodo.
- Do NOT sit on the armrests.
- Only use the approved charger and battery with the Komodo.
- Charge the battery in a dry well ventilated place.
- The Komodo should only be used indoors.
- If the charger or cable become damaged they must not be used and should be replaced.
- Do not use the Komodo if it is damaged in transit or use, in this instance contact your supplier or Komodo Healthcare directly,
- Ensure the armrests are in the lowered horizontal position when the chair is moving.
- The Komodo must not be moved over slopes of more than 10°.
- When removing and replacing either the battery or bung ensure the area around the battery housing is dry.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and end-user maintenance shall not be performed by children.
- The remote cable must be attached and the connectors fully tightened before use.
- Ensure the remote controller cable is never trapped or stretched beyond its working length.



The Komodo should only be used by persons who have been trained and are experienced.

Making any changes to the Komodo could affect its safety and will invalidate the warranty.

2. Use

2.1 First Use

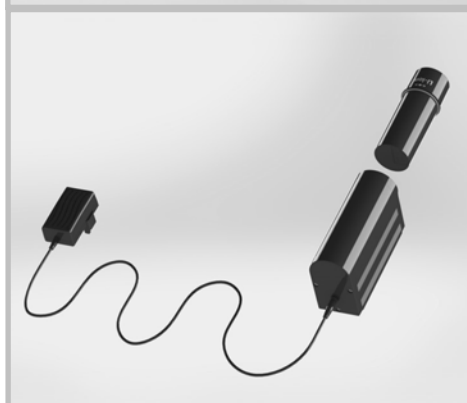
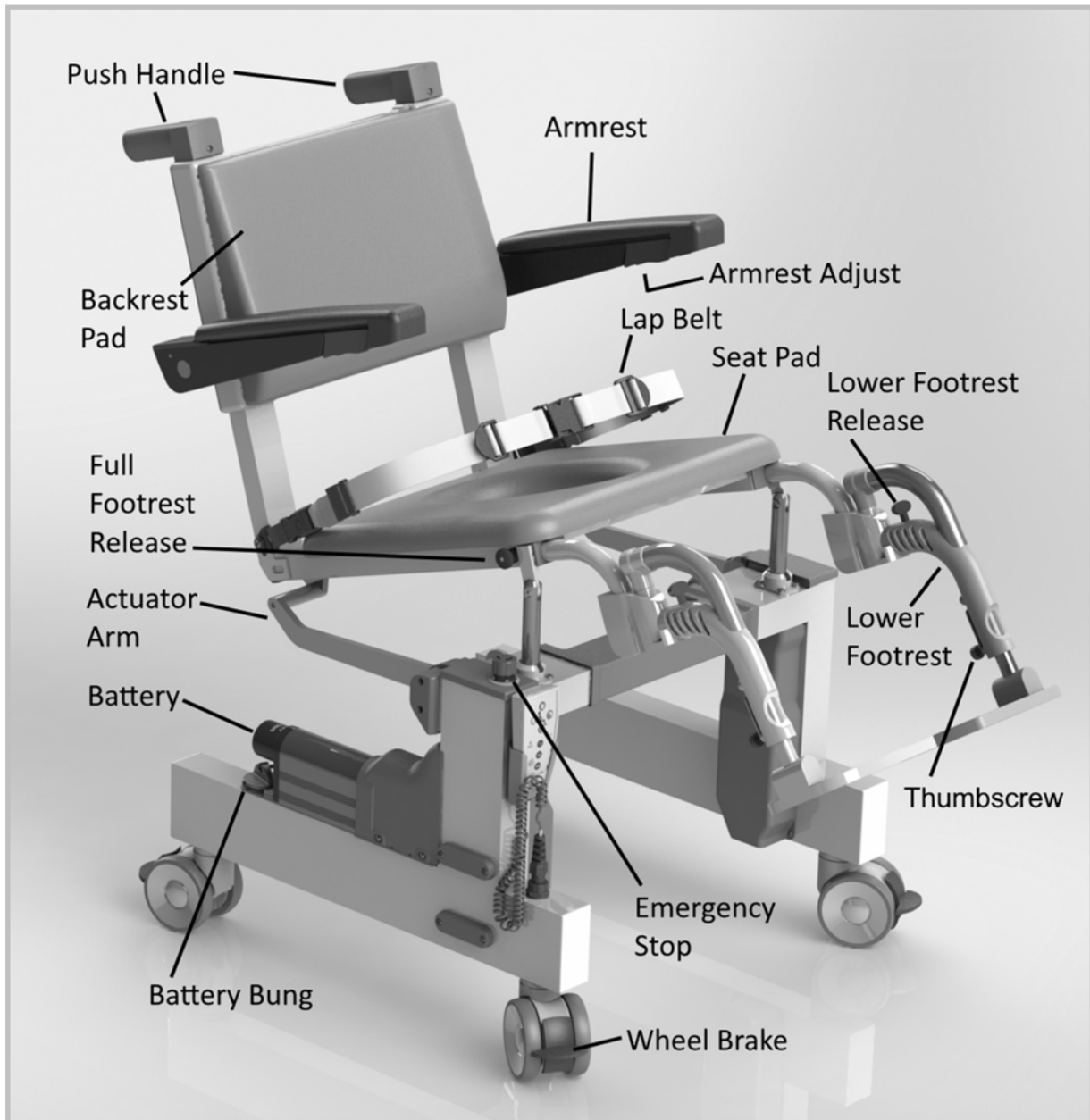
Before you use the Komodo please check that all the components shown in section 2.3 are present. If there is anything missing please contact your supplier or Komodo Healthcare directly.

- Ensure the battery is charged and fitted—see section 4.
- Program the controller buttons to the desired positions—see section 3.5
- Position the footrests in the desired location—see section 3.2
- Position the armrests to the desired height—see section 3.3
- If you have ordered any accessories separately to the chair fit these—see accompanying instruction manuals.
- Please read this instruction manual before first use.



Incorrect use of the Komodo will invalidate the warranty.

2.3 Components and Parts



**Charger
and Battery**



**Calf
Strap**



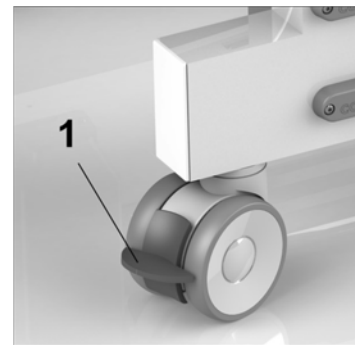
**Remote Control
and Connector**

3. Operation

3.1 Wheel Brakes

The Komodo has four wheels each of which is fitted with a brake, the brake locks the wheel from rotating and turning.

To apply the brake press the red lever (1) down, to remove the brake the lever (1) is lifted upwards.

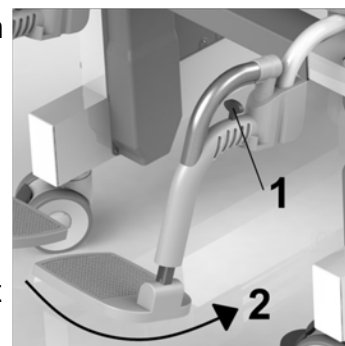


Ensure the front wheels are NOT locked facing inwards during use, the wheels should be facing outwards or forwards, this will ensure maximum stability and clearance.

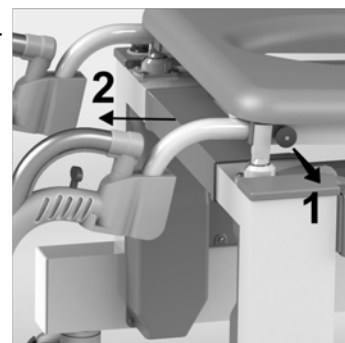
3.2 Footrests

The Komodo footrests can be folded outwards, the lower section can be removed and the entire footrest assembly can also be removed for maximum clearance during mounting and dismounting.

Lower Footrest—to swivel the footrest press the red lever (1) forwards and swing the footrest to one side (2), to remove the lower footrest in the rotated position lift it off the pivot. To refit the footrest place the lower section on the pivot and swing it into place, ensure the red lever locks into place.



Full Footrest—to remove the entire foot rest pull the plunger knob (1) on the side of the seat and slide the footrest assembly (2) forwards until it clears the seat. To refit the footrest pull the plunger knob and slide the footrest assembly into the seat frame, release the plunger knob and push the footrest assembly until it locks into place.



Footrest Height Adjustment— The height of the foot rest can be adjusted using the thumbscrew, however take care NOT adjust the footrest so that it hits the floor when tilted forwards. To check tilt the chair fully forwards when making the adjustment.



Calf Support—The Velcro calf support is fixed in place on the footrest as shown.

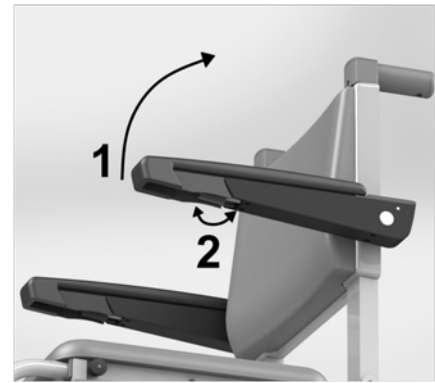


Always ensure the footrest is securely locked into place in both positions before moving the chair.

3.3 Arm Rests

The armrests can be lifted to a vertical position (1), the horizontal height can be adjusted by altering the angle.

Armrest adjustment—place the armrest in the horizontal position, a thumbwheel (2) is located under the armrest near to the front, rotate this wheel until the armrest is in the desired position.



Ensure the armrests are in the lowered horizontal position when the chair is moving.

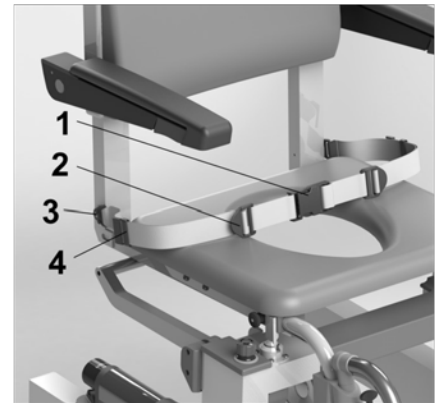
Never put excessive load or sit on the armrests.



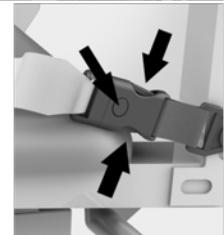
3.4 Lap Belt

The Komodo is supplied with a lap belt, the belt should be used whenever an end-user is seated in the chair.

The buckle (1) can be released by pressing the clips at the top and bottom. To tighten the belt simply pull on the free end, both sides can be adjusted. To slacken the belt lift the adjuster (2) and pull forwards. The free end can be kept tidy using the slider (4). Periodically check that the belt mounting screw (3) is tight.



For cleaning the lap belt can be removed via the side buckle, press all three buttons to release.



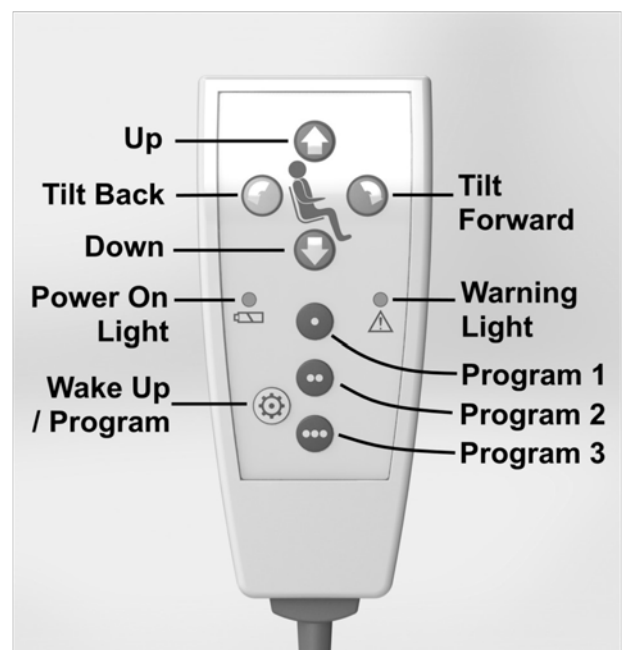
The lap belt MUST ALWAYS be used when the end-user is seated on the chair.

3.5 Remote Controller Operation

The seat can be moved upwards, downwards and tilted.

There are two modes of operation, manual and programmed modes. The seat will only move whilst the button is being pressed.

Manual mode—The seat position can be adjusted using the controller up, down, tilt forwards and tilt backwards buttons. When going up or down the seat will move at the set angle until either the front or rear actuators reach the end of their travel, the opposing actuators will then continue until their limit is reached.



Programmed Mode— The seat can be programmed to move to three programmed positions, move the seat to the desired position using the manual buttons, hold and press the program button for ten seconds until the lights will flash alternately, now press the button to be programmed, the lights will stop flashing, the chair will beep and shake momentarily to indicate successful programming. When the seat is moving in programmed mode the system will calculate the speed so that the start and stop time for all actuators is identical, this provides a smoother transition for end-users.

Wake—if the chair is not used for 30 minutes it will enter sleep mode, wake the chair using this button.

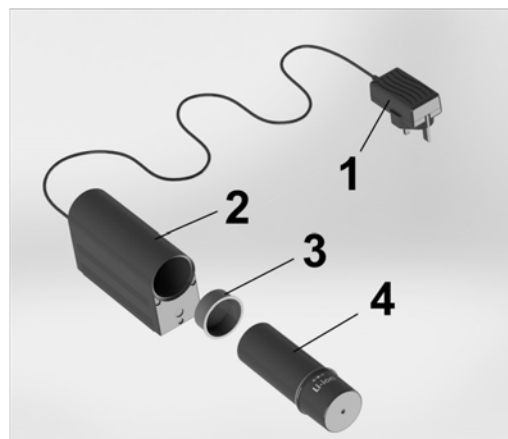
Power On Light - indicates when the chair is on and ready to be used.

Warning Light—indicates when the chair battery is low or a fault has occurred.



Before moving the chair ensure there are no persons or objects which could interfere with the movement.

Ensure the controller cable is not trapped when operating the chair.



4. Battery

4.1 Description of Battery System

The Komodo is fitted with a 24VDC—29VDC rechargeable Lithium Ion battery. The battery is removable from the chair and charged separately. This system allows multiple batteries to be charged and quickly swapped out of the chair.



4.2 Battery Charging

The Komodo battery is charged separately from the chair, the charger comprises a power supply (1) and battery housing unit (2), the power supply plugs directly into the wall socket and includes an LED showing charge status.

Red—battery charging

Green battery charged and ready for use.

Battery charging takes approx. 8 hours.

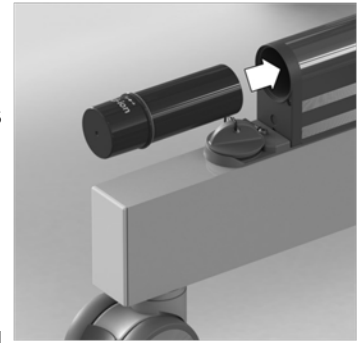
To charge, remove the red blanking plug (3), insert the battery (4) into the housing and align the arrow on the housing and dot on the battery, the battery contacts will automatically connect in this position.



The battery will not be charged unless the arrow and dot are aligned.

4.3 Battery Fitting

The battery is fitted to the chair battery housing in the same manner as the charger (see 4.2 above). If the battery bung is fitted remove this and place it in its holder. Insert the battery into the housing and align the arrow and dot, the battery will automatically connect and a beep will indicate the chair is now powered.



When replacing the battery bung a slight twist when inserting will ease fitting.



Never use the chair in a wet area without the battery or bung correctly fitted.

When removing and replacing either the battery or bung ensure the area around the battery housing is dry.

Never leave an unfitted battery in a wet area.

Never short the battery pins together.

5. Mounting / Dismounting.

5.1 Description of Mounting / Dismounting Features.

The Komodo can be tilted forwards to facilitate and assist mounting and dismounting the seat, this assists end-users and assistants during this operation. The program buttons can be used to give different positions for each action, in general end-users require a slightly higher dismount position than the mounting position.

5.2 Mounting

Position the chair at the desired height and angle to allow easy mounting, the angle is usually slightly forward. Once the end-user is seated fit the lap belt and adjust the seat to the using position. The position is usually achieved using the program buttons but could be adjusted using the controller manual mode if needed.

5.3 Dismounting

Position the chair at the desired height and angle to allow easy dismounting, the angle is usually slightly forward. The position is usually achieved using the program button but could be adjusted manually if needed.



Ensure the mount and dismount seat angles are not such that the end-user could become unstable during the transition from standing to seating and vice-versa.

Always lock all the wheels prior to mounting or dismounting.

6. Commode / Toilet Function

6.1 Description of Commode / Toilet Function

The Komodo can be positioned over a range of toilets, the program buttons allow a minimum height to be set simplifying use over different height toilets.

6.2 Use of Commode / Toilet Function

Set the Komodo to the desired height, it is advisable to do this before the end-user is seated or use the program feature to set the correct height. Push the Komodo over the toilet and lock the wheels in the correct location (take care to make sure the front wheels are facing forwards or outwards). If in doubt always use a higher position initially and carefully adjust the height to the required level. For washing, the seat can be raised to give access.



The manual control buttons will NOT limit the minimum height.

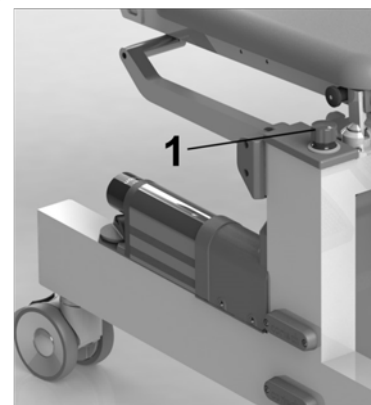
The Komodo does not fit all toilets and bidets.

For use with a potty please see the potty accessory instruction sheet.

7 Shower Function

The Komodo can be used as a shower chair and allows the seat to be tilted backwards to facilitate this, ensure that the end-user has the lap belt or optional harness fitted whilst showering. One of the program buttons can be used to store the showering position regularly used. Ensure the Komodo is rinsed with clean water to remove any detergents after showering.

Ensure the lap belt is worn during showering.



8. Safety Features

8.1 Emergency Stop

The emergency button (1) is located on the right hand side of the chair. If the chair exhibits any unusual actions or fails to stop moving press the button. The chair will stop when the button is pressed.

Operation of the chair can continue if the situation stabilises, to release the button turn it clockwise until it releases.



Only release the emergency stop if the problem has been resolved or danger ceased.



8.2 Sleep Setting

Sleep mode helps extend the battery life and help prevent accidental operation.

Chair Sleep Mode —If the chair is not moved for 30 minutes the system will enter sleep mode, to reactivate press the wake button on the controller.

8.3 Battery Indicator

Once the battery charge is reduced to a low level the remote warning will light and the chair will emit a long beep, the chair will operate for approx. three more movements, you must recharge the battery or replace it with another charged battery at this time.



Always recharge or replace the battery once the low charge indicator is given.

9. Cleaning and Maintenance

Use a multi-surface sanitiser and cleaner which conforms to EN1276 to clean the Komodo, check the cleaner does not affect any parts of the chair prior to cleaning.

Ensure the cleaning product instructions are carefully followed.

All parts including underneath should be visibly clean with no blood and body substances, dust, dirt, debris or spillages.



Always ensure the Komodo is clean during and after use.

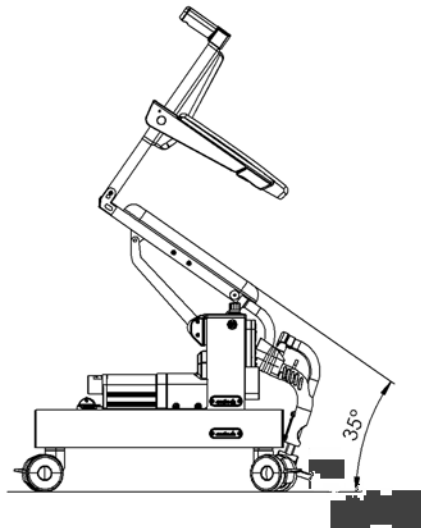
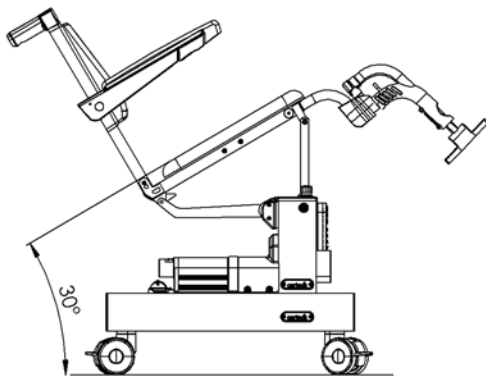
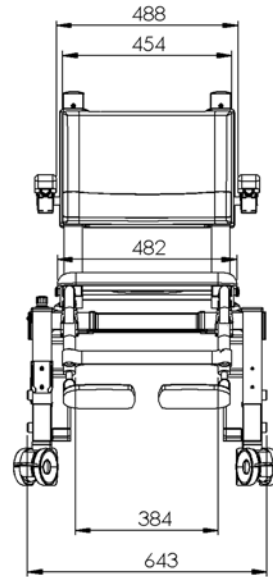
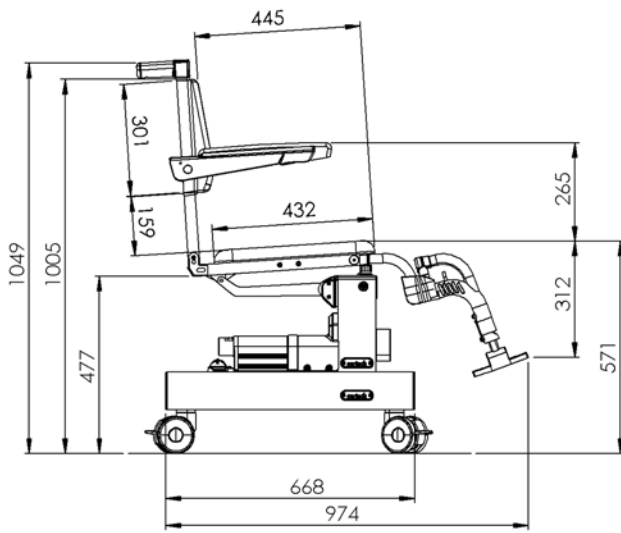
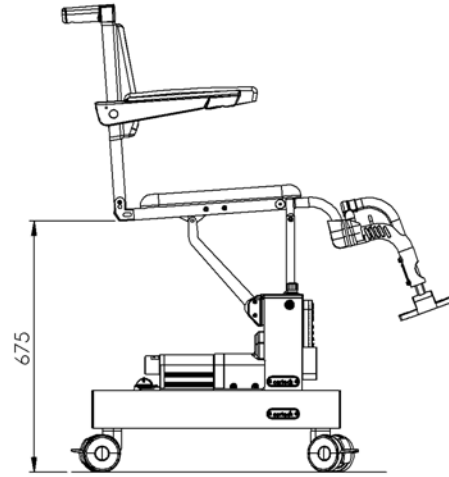
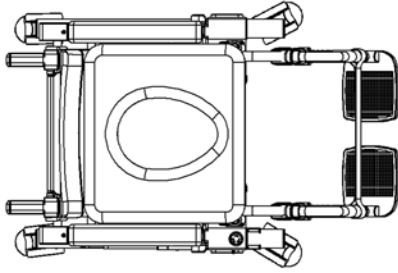
10. Storage and Transport

During storage and transport remove the battery and fit the battery bung into place. Always store the chair in a dry environment out of direct sunlight between the temperatures of -15°C and $+45^{\circ}\text{C}$. During transport do not expose the chair to shock, and vibration should be kept to a minimum.

If lifting the Komodo a minimum of two people must perform this, the Komodo should be supported via the lower frame.

11. Technical Specification.

Frame	Powder coated aluminium
Actuator levers and pivots	Stainless steel
Covers and handles	Plastic PET-G
Seat base	432mm
Seat back pad	Plastic PU
Seat back moulding	Plastic ABS
Arm rest pads	Plastic PU
Weight	30kg
Total width	643mm
Total height when lowered	1049mm
Minimum seat clearance	477mm
Minimum seat height	571mm (front edge)
Maximum seat height	769mm (front edge)
Maximum seat load	125kg
Maximum armrest load	50kg
Battery voltage	24VDC—29VDC
Battery capacity	2.1Ah
Battery type	Li-ion
Charger input	100VAC– 240VAC
Charger output	29.4VDC/500mA



12. Troubleshooting

12.1 Cause / Remedy Table

If you experience any problems please check through the list below before contacting your supplier or Komodo Healthcare directly.

Problem	Possible cause	Remedy
No power to chair	Flat battery	Charge battery
	Battery not inserted correctly	Check the battery is inserted and the arrow / dot aligned.
	Battery contacts dirty	Check and clean the battery contacts with a clean dry cloth.
	E-Stop button activated	If safe reset the emergency stop
Remote control does not work	Cable not plugged in	Check the cable is plugged in correctly
	Cable damaged	Check the cable is not damaged, replace if needed.
Seat powered but does not move	Max load exceeded	Check load is within the specified weight range.
	Chair battery is low	Recharge battery
	Max / min reached	Check position

12.2 Summary of Indicators

Action	Indicators
Main battery low	Remote controller warning light permanently lit red Single long beep
Entering program mode	Controller lights alternate flashing
Power connected to chair	Single short beep Controller green light
Chair successfully programmed	Controller light flash's Single short beep Short seat shake
End of program mode travel reached	Single short beep
Chair entering sleep mode	Single short beep
Chair waking from sleep mode	Two short beeps

13. Warranty

Komodo Healthcare guarantee your Komodo chair against any defects in manufacturing or materials for 2 years from the date of installation.

Components and batteries that are subject to wear and tear will not fall under warranty unless there are manufacturing or material faults.

If you bought your product via a distributor, they should be your first contact, as they have been trained by Komodo Healthcare how to assess and correct any defects.

Within the warranty period Komodo Healthcare will decide to repair or replace the product as we may choose.

Any action taken under this warranty does not extend the stated 2 year expiry date. Contact information can be located on the back page.

This guarantee is in addition to your statutory and other legal rights. None of the foregoing affects your statutory rights.

Not covered by this warranty:

Damage or defects that result from inappropriate use or accidental damage, incorrect installation, or lack of maintenance including, but not limited to the build-up of grime, dirt, lime scale or water-borne debris.

Damage resulting from inappropriate cleaning, inappropriate cleaning agents or water ingress if the correct cleaning procedure, as outlined in the instruction manual, is not followed .

Damage resulting from water freezing.

Damage resulting from use outside of the specified performance limits listed in the product specification.

Damage or defects that result from repairs or modifications undertaken by persons who are not authorised installers or Komodo Healthcare service engineers

If you need any advice or if you have any questions please contact the company who supplied you with the product, or Komodo Healthcare directly with your model number and date of purchase.

For technical faults always refer to the trouble shooting guide before contacting your local supplier for assistance.



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