



A DIRECT HEALTHCARE GROUP COMPANY

EASY HighBack

User Manual



EASY HIGHBACK

EASY HighBack

EASY in the high-back version (HB) is a development of the conventional concept using the back strap/neck support already available. This hygiene chair is fitted with a high, padded, water-repellent back complete with neck support (available in two versions). The high backrest provides soft yet stable support and its lower section is fitted with a pliant lumbar support for additional comfort.

EASY HB is designed with telescoping pillars to create as much space and flexibility as possible for care personnel in the performance of their work.

EASY is available with our new, soft Comfort seat with an opening at the rear for a more natural, hygienic working method.

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1. Safety

Dear customer, Thank you for choosing a rehabilitation aid from GATE Rehab. We hope our product meets or exceeds your expectations. These Instructions for Use contain the information users of the product need to know for its safe operation. In addition to the instructions for use, there is a technical manual that describes the chair's structure and which includes information of a more technical nature and a spare parts list.

READ THESE INSTRUCTIONS FOR USE BEFORE USING THE PRODUCT.

This hygiene stool is designed for indoor use on level surfaces and in wet spaces. Max user weight is 150 kg.

The product can be raised, lowered or tilted with the aid of encapsulated, concealed electronics. The product is in ingress protection class x5, and can withstand water under a certain pressure. The product may thus NOT be immersed or used underwater. This also applies to the frame/castors – may not be immersed in water.

When manoeuvring forward, we recommend use of the directionally lockable castor (right front castor) for improved stability. However, the directional lock should not be used when manoeuvring in confined spaces.

The hygiene chair has a fixed battery that is charged via a connection in the remote control. The time required for a discharged battery to reach an 80% charge is around 12 hours. The remote control has a charging indicator that will show whether or not the battery needs to be charged. Make a habit of always charging the battery if at the end of the day it has dropped to level 1 (one green bar on the battery indicator). If the hygiene chair will not be used for a few days, we recommend switching off the battery by means of the Off button located on the battery.

The hygiene chair also has a service indicator that lights up after around 11 months' operation as a reminder regarding the scheduled service that must be carried out at least once per year. Information about how to reset the service indicator can be found in the technical manual.

The hygiene chair has a number of functions to enhance safety. When tilting forward or back, the chair will always stop when the horizontal position is reached. The chair cannot be tilted forward if the seat height is greater than 65cm. In order to raise the chair higher than 65cm, the seat must be horizontal or tilted to the rear. It is not possible to use the chair while charging the battery.

Users will experience a soft start of around 5 seconds when the chair is raised or lowered. This is normal and takes place in order to synchronize the two height adjustment actuators.

The hygiene stool is raised and lowered through telescopic pillars with built-in motors. The pillars have an open design which allows water and dirt to run through internally. When necessary, clean the pillars and the bottom surfaces with cleaning agent (can be purchased from GATE). The cleaning agents dissolve dirt and grease and break down any organic substances. Rinse with water. Note that the pillar base plates are accessible for mechanical cleaning.

Bear in mind the crush risk that is always present when hands and feet get in the way of chair movement, especially when tilting forward or when the chair is lowered to its lowest level. Depending on the setting, the foot rest may touch the floor or the chair frame.


The staff at GATE Rehab hope you enjoy extensive use of your new hygiene chair. Before you begin using your chair, the battery must be activated. Do this by pressing the battery ON button (see section in these instructions for use).

2. Changing seat height and tilt angle

Normal up/down; Rapid up/down. NOTE! The seat has a soft start for around 5 sec. before the correct speed is achieved. Make sure the footrest does not touch the floor when the seat is at lower levels – this can happen if the footrest is set for a tall user.

Tilting forwards/rearwards: The chair can be tilted 5 degrees forwards* and 30 degrees rearwards. When tilting, the chair will always stop at the horizontal position. Thus to continue tilting forwards or rearwards, the forwards/rearwards button must be pressed again. When tilting forwards, make sure the footrest does not touch the floor or frame – this can happen if the footrest is set for a tall user.

(*In certain markets, the chair can be tilted further to 6 degrees forwards. Note: Crush risk if this is done.).

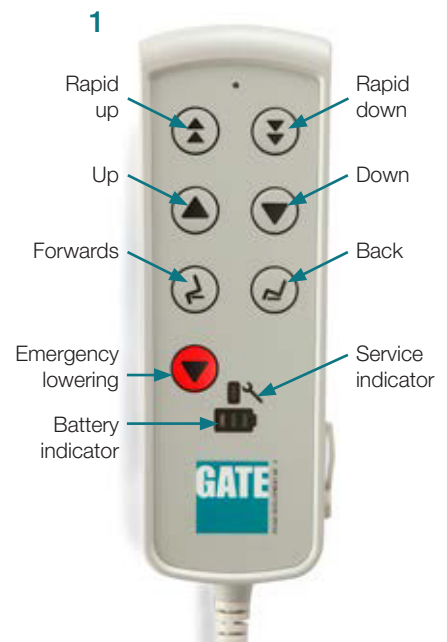
 **Emergency lowering:** if battery charge is insufficient for chair operation or if the proximity sensor on the height adjustment actuator is defective, the Emergency lowering button must be used. Upon activation, the chair will revert to the horizontal position and then to the lowest seat height. Exercise caution when activating as the system safety sensors are bypassed. In particular, make sure the chair proceeds evenly to its minimum height to prevent skewing.

Service indicator – the lamp will flash at 4 sec. intervals when actual operating time reaches 11 months from the last reset. After 12 months, the lamp will remain on. This indicates the need for scheduled maintenance (page 8). Resetting the service indicator – see technical manual.

Battery indicator – shows current battery status; 3 bars indicate full charge. When a single bar shows, the chair should be charged that same day. When a red bar shows, stop using the chair and charge the battery. Make a habit of always charging the battery if at the end of the day it has dropped to level 1 (one green bar on the battery indicator). If the hygiene chair will not be used for a few days, we recommend switching off the battery by means of the Off button located on the battery.

NOTE: The battery can be damaged if not charged at least every 14 days in the On position or at least every three months in the Off position.

The remote control enters sleep mode 30 sec. after the last activation.




3. Battery charging

Charge the battery by connecting the charger supplied to a wall socket and the remote control connector. A discharged battery takes around 12 hours to charge to 80% and 24 hours to reach 100% charge. While the battery is charging, the battery indicator will flash showing actual charge level. All three bars will show a constant green light when the battery is fully charged. We recommend the battery always be charged to at least 80% – once begun, charging should not be interrupted before an 80% charge is achieved.

NOTE: The battery can be damaged if not charged at least every 14 days in the On position or at least every three months in the Off position.

For safety reasons, chair electronics cannot be used while the battery is charging. Avoid charging in wet spaces. Make a habit of always charging the battery if at the end of the day it has dropped to level 1 (one green bar on the battery indicator). If the hygiene chair will not be used for a few days, we recommend switching off the battery by means of the Off button located on the battery

 Make sure the remote control socket/charge is always covered plugged in when using the chair. Otherwise water may get in and damage the remote control.

4. Battery On/Of

The battery is located under a protective cover at the base of the chair. The battery has On/Off buttons that are reached through an opening at the lower front part of the chair. Operate the buttons by pressing them with a pointed object (not sharp). When delivered from GATE, the battery is switched off. Activate the battery by pressing the On button or connecting the charger to the remote control. To one side of the buttons, there is also an LED indicator that shows battery charge.

5. Driving the chair

We recommend using the handlebar whenever the chair must be moved (with/without a patient). The handlebar is designed so that the chair can be moved forwards and turned (see fig. 12) easily and with the use of little force (see fig. 4).

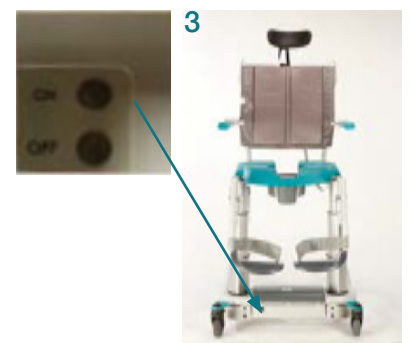
6. Adjusting the neck support

Set the neck support in the desired position by sliding it up/down. Next supports are available in other sizes as accessories.

7. Installing/removing the seat

8. Armrest lock

The armrest is locked in the extended position. To lift the armrest, pull out the pin (1) and raise the armrest (2).



9. Installing seat with the rear opening (accessory)

The seat comprises two halves that are snapped in place with the aid of clamps on the seat's underside.



10. Sanitary pan

The sanitary pan is slid into position from behind between the seat and wire guides as shown in fig. 9. Make sure the sanitary pan is slid into position above the wire guides. Also make sure that the pan assumes the right position in relation to the cutout/seat and that the pan's rear hook locks into the guide (see figs. 9 and 10).



11. Footrest / Heel restraint

The foot rest can be easily set to the preferred height, swung aside (lift/swing) or removed (lift away). Set footrest height by moving the green clip to the preferred hole.



12. Castors

The Easy Hygiene Chair can feature 2 different types of wheels. The images show the options.

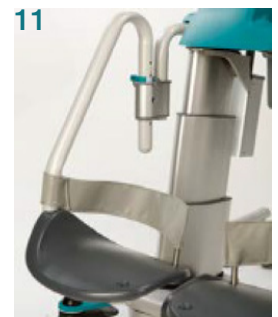
A) Single wheel 125mm

The Hygiene Chair has 4 wheels (full brakes). The wheel on the right-hand front side (grey brake pad) also features a directional lock (see image 14 - brake position 1 - directional lock, brake position 2 - full brake).



B) Double wheel, 100mm

The Hygiene Chair has 4 wheels, of which the one on the righthand front side features a directional lock (see image 15) and the other 3 are fitted with full brakes.



When the directional lock is activated, wheels cannot be turned. This is particularly useful when moving heavier patients. The chair is thus significantly easier for staff to push and control. The directional lock should be released when manoeuvring in tight spaces. The other wheels (x 3)/green brake pad are conventional wheels that lock both directionally and rotationally when the brakes are applied (see image 16, image 17).



13. Calibrating the actuators

The actuators are normally calibrated automatically every time the chair reaches its end position (min height, max tilt). IF the chair still does not run parallel, or if the tilt function does not seem to work, an ACTIVE calibration should be performed. Do this by holding down the <slow/up>+ <slow/down> buttons simultaneously. After around 15 sec., the chair will move to its end position i.e. minimum height and maximum rearwards tilt Hold down the buttons until the end positions are reached. Release the buttons and wait five sec. The chair is now calibrated and can be used again.



Calibration should NOT be done while user is in the chair. Note that all three actuators move during the calibration phase. If not, stop calibration immediately and contact customer service/GATE (or your local dealer).

14. Cleaning

Clean the Easy hygiene chair with detergent/disinfectants commonly used in healthcare (alcohol-based). The pillars should be cleaned with agents that dissolve grease and also remove lime stains. Raise the chair to maximum height when cleaning the pillars. Apply the cleaning agent and leave it to work according to the instructions (also allow it to run down inside the pillars); flush out. NOTE: Also clean the pillar base plate periodically. Do so by removing the bottom plug (see fig. 17) and applying cleaning agent directly in the pillar. Allow to work; flush out.



Read the warning text on the packaging/cleaning agents and in their data sheets.

NOTE: To avoid crush injuries, make sure protective covers (fig. 19) are always put back



15. Troubleshooting when the chair is inoperable

NOTE: Chair cannot be operated above 65 cm seat height if the chair is tilted forward, nor can the seat be tilted forward if seat height is greater than 65 cm.



Before troubleshooting begins, always restart the battery (see page 4. Hold in the battery's OFF button for approx. 5 seconds. Wait for one minute. Activate the battery using the ON button).



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1 Check the battery charge via the remote control's battery indicator (if necessary, activate the remote control by pressing any button).

1a Indicator shows green ==> Calibrate the chair (See page 7).

1b Indicator shows red == > Charge the battery

1c Indicator lamp out ==> Connect the remote control to the charger. If charging is indicated in the remote control, charge the battery as per instructions. If charging is not indicated, proceed to 2.

2 Switch off the battery manually using the battery Off button (see page 4). Wait one minute. Activate the battery by pressing its On button (see page 4). Check that the battery indicator lamp is lit or flashing

Indicator lamp lit/flashing == > Replace remote control and charge the battery as per the instructions.

Indicator lamp not lit, not flashing ==> Replace the battery

If the chair remains in operable following completion of the above, contact customer service at GATE.

16. Warranty

We provide a two-year warranty against any manufacturing defects (does not apply to wear parts or battery). The battery is subject to 6 months' warranty for manufacturing defects.

17. Maintenance

The chair is made from stainless steel/powder coated tubing and aluminium. Exposed, unpainted parts are made of aluminium or stainless steel. Make sure the product feels firm and stable – no fasteners may be loose. Damaged or defective parts should be replaced as soon as possible.

Cleaning, general

- Clean the chair by wiping with regular cleaning agent (NOT Pentanol based) or use a washer/autoclave (max 85 C).
- Remove the seat and clean it separately or use a washer/autoclave (max 85 C).



NOTE: The remote control/control box (or the connector/female connector if the remote control is removed before washing) must be protected from high pressure water. Use a plastic bag or similar that can withstand washer water pressure. Place the remote control/control box or the connector/female connector so that running water cannot force its way in.

- Clean the pillars with detergent/disinfectants commonly used in healthcare (alcohol-based). See special section page 7.
- Make sure the protective cover (see page 7, fig. 17) is installed at the bottom of each pillar.

Special checks (at least once per year)

1. Armrest – check that slip protection/wrist protection are intact and secured.
2. Pillars (electric actuator/raise-lower) + electric actuator/tilt: check the function of the remote control and that the electric actuator attachment devices are not loose.
3. Seat/stopped seat – whole and without cracks. No sharp edges may be present.
4. Footrest platforms – whole and adjustable in the intended manner. Check that the clips are whole and properly fastened. Heel restraints must be in position at the back of each footrest platform.
5. Wheels – may not be stiff or loose. Also check that the brakes work.
6. Back strap; the back strap must be intact and may not have any holes or other damage to the belts and anchors.



18. Information concerning EMC

The Easy hygiene chair has been function tested in both hospital and home care environments. The hygiene chair's principal functions are its ability to be operated up/down, back/forward together with battery charging. Tests have shown that as long as the interference the chair is exposed to is within the limits of this standard, no failure of the primary functions can be demonstrated. Interference that is more severe than demonstrated in these tests, may affect the hygiene chair's functions such that manoeuvring or battery charging fails.

The hygiene stool includes the following wiring:

- AC cable to the charger, 3-wire, 2.0 m
- DC cable between the charger and the remote control, 2 parts, 1.0 m
- Signal cable between the control box and remote control, 2.5 m



WARNING: Always replace the hygiene chair's electrical components or wiring with original parts from the supplier. Failure to do so may affect the product's EMC approval.

Avoid placing/using the chair closer than 0.35 m from other medical equipment and/or mobile telephones (or other transmitting equipment). This is because there is then a risk that the product's main functions may not work as intended or that the product may interfere with other medical equipment.



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