User manual

American English

ICS seat

Introduction

This user manual covers the functions of your ICS seat control panel and is intended as an extension to your power wheelchair's user manual.

Please read and follow all instructions and warnings in all manuals supplied with your power wheelchair and its accessories. Incorrect use may both injure the user and damage the wheelchair. In order to reduce these risks, read all documentation supplied carefully, in particular the safety instructions and their warning texts.

It is also of the utmost importance that you devote sufficient time to getting acquainted with the various buttons, functions and steering controls; the different seat adjustment possibilities, etc. of your wheelchair and its accessories before you begin using it.

All information, pictures, illustrations and specifications are based upon the product information available at the time these operating instructions were created. Pictures and illustrations used in these operating instructions are representative examples and not intended to be exact depictions of the relevant parts.

We reserve the right to make changes to the product without prior notice.

Produced and published by Permobil

Edition: 1

Date: 2019-11-28

Order no: 336628 eng-US

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1 Warnings

WARNING!

Environmental conditions

Protect the wheelchair from exposure to any type of moisture, including rain, snow, mud or spray.

If any of the shrouds or the joystick boot has cracks or tears, they must be replaced immediately. Failure to do so may allow moisture to enter the electronics and cause personal injury or property damage, including fire.

2 ICS seat control panel

2.1 General

The seat's powered functions may be controlled from the drive system control panel. On seats equipped with the control system ICS, the powered functions may also be controlled from the ICS control panel.

The seat's powered functions are controlled from the control panel. The control system may be in the form of push buttons or toggle switches for those users who find them easier to maneuver. Move the toggle switch forward to operate the front button and back to operate the rear button. The button box functions described here apply to conventional push buttons, but the functions are the same regardless of control system design.

Each switch location can have two functions, and the symbol for the active function is lit. Change functions with the shift function.

NOTICE

Functions vary

The number of available functions will vary depending on how the wheelchair and seat are equipped.

Figure 1. ICS seat control panels, the topmost equipped with push buttons and the lower with paddle switches.

2.1.1 Feedback

The control panel provides feedback regarding the available seat functions, active seat function inhibits, active drive speed limits and active drive inhibits through its LEDs.

The LED above the switch can assume three states:

1. Off

   The function icon is extinguished or off. This means the function is not currently active. Toggle selection of the left or right seat functions with the Shift Switch

2. Steady LED

   A steady LED provides the user with information concerning drive speed.

   - A steady green LED means the chair can be driven at full speed.
   - A steady yellow LED signifies that the drive speed is limited due to the position of this actuator.
   - A steady red LED means the drive is inhibited due to the position of this actuator.

3. Flashing LED

   A flashing LED provides the user with actuator-related information.

   - A flashing green LED signifies a special or extended feature.

- A flashing yellow LED means the seat function is inhibited in one direction, due to a safety limit. The switches below the icon will only move the seat in the safe direction.
- A flashing red LED an actuator error has been detected. Depending on the type of error, the switches below may or may not operate the seat function. Note the circumstances when this indication occurs as this information may help your service provider. Contact your service provider for additional assistance, as service may be necessary.

2.2 Functions

WARNING!

Risk of pinching while using seat functions

There is a risk of pinch-point accidents when using the power seat functions. Make absolutely sure that nothing gets stuck between moving parts. Failure to do so may lead to personal injury.

2.2.1 Seat lift

The seat can be raised by pressing the upper part of the button and lowered by pressing the lower part.

Figure 2. Seat lift.

2.2.2 Backrest angle

The backrest can be reclined by pressing the lower part of the button and brought back by pressing the upper part.

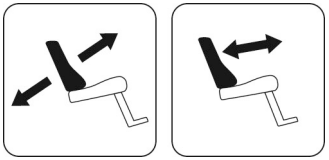

Figure 3. Backrest angle.

2.2.3 Seat tilt

The seat can be tilted backward by pressing the lower part of the button and forward by pressing the upper part.

Figure 4. Seat tilt.

2.2.4 Anterior tilt

The seat can be tilted forward by pressing the upper part of the button and backward by pressing the lower part. When the seat is being tilted forward or backward, the seat will stop when it reaches neutral position. To keep moving forward or backward from neutral position, press the same button again.

Figure 5. Anterior tilt.

2.2.5 Leg rest angle

The leg rest can be tilted forward by pressing the upper part of the button and backwards by pressing the lower part.

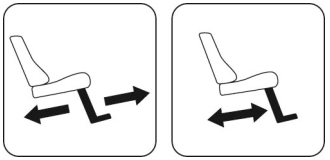

Figure 6. Leg rest angle.

2.2.6 Power adjustable leg length

The footplate can be raised by pressing the upper part of the button and lowered by pressing the lower part.

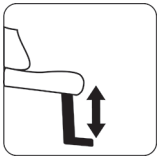

Figure 7. Power adjustable leg length.

2.2.7 Seat-to-floor function

The seat can be lowered to the floor by pressing the upper part of the button, and raised by pressing the lower part.

Figure 8. Seat to floor function.

2.2.8 Standing function

The seat can be raised to standing position by pressing the upper part of the button, and lowered to sitting position by pressing the lower part.

The standing function can be configured to suit each user by pre-programming one of the three possible standing sequences.

The symbol on the left shows the standing sequence which starts by straightening the user's hips and legs before raising the user to a standing position. This sequence minimizes pressure on the user's knees.

The symbol on the right shows the standing sequence which raises the user directly from a sitting position.

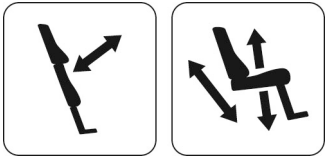

Figure 9. Standing function.

2.2.9 Power footplates

The footplates can be raised by pressing the lower part of the button and lowered by pressing the upper part.

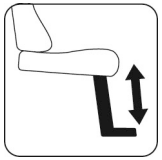

Figure 10. Power footplates.

2.2.10 Power transfer

The footplate can be lowered at the same time as the seat lift is raised by pressing the upper part of the button. Pressing the lower part of the button will raise the footplate and at the same time lower the seat lift. This function can help the user get in and out of the wheelchair.

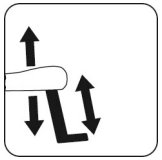

Figure 11. Power transfer footplate.

2.2.11 Shift

Change the control button functions by pressing the Shift button. Change the function back again by pressing the Shift button. The symbol for the active function will light up.

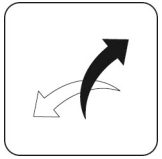

Figure 12. Shift.

2.2.12 Memory function

ICS control panels equipped with memory can store and recall up to three seat positions. A seat function (e.g. power tilt, power recline, power legs, etc.) can only memorize a position if it has an actuator with position feedback installed.

Figure 13. Memory function.

2.2.12.1 Return to a preset position

1. Enter memory mode by pressing and holding the memory button (8) for two seconds. While in memory mode, the memory LED flashes green.
2. Press and hold the appropriate Recall button (1, 2 or 3) to move the seating system to the preferred preset position. As a safety feature, releasing a Recall button stops actuator movement. When the stored position is reached the actuator movement stops, the LED above the memory position lights up green and the control panel beeps.
3. Return to standard seat function operating mode by pressing the Memory button (8).

Figure 14. Memory function.

2.2.12.2 Storing memory

Before storing a seating position in memory, configure the seat system in the desired position.

1. Enter memory mode by pressing and holding the memory button (8) for two seconds. While in the memory mode, the LED flashes green.
2. Press and hold button (4) until the LED immediately to the left of the Memory LED lights up green. Memory is now enabled and ready to memorize a seat position.
3. Press and hold the desired Store button (5, 6 or 7) for three seconds to memorize the current seat position. The LED above the memory position will light up red and the control panel will beep once the memory is successfully stored.
4. Return to standard seat function operating mode by pressing the Memory button (8).

Figure 15. Memory function.

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