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# FAST MOVERS'



QUICK START GUIDE

permobil

The Art of Mobility

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**For a more detailed description see the user's manual that came with the wheelchair.**

# **FAST MOVERS'**

## **QUICK START GUIDE**

### **Introduction**

Permobil stresses solutions above products. These solutions can be for complicated customer needs or for specific seating and mobility needs.

Our products consist of a chassis and several seating systems that meet simple and complex mobility and seating needs. The seamless integration of the correct chassis and seating components results in an electric wheelchair perfectly adapted to the user.

## Explanation of the VR2 control panel



The number of function keys/indicator lights differs depending on your chair's equipment, such as with/without lighting and seat functions.

## Explanation of the R-Net control panel



# 1. SPEED SETTINGS AND STEERING BOX OPTIONS

This wheelchair is suitable for indoor and outdoor use. When using indoors, you must use it with normal caution. When outdoors you must ensure that you go very slowly on hills and do not go over edges greater than 7 - 8 cm. Take someone along on your first test trip. A test trip is intended to determine how best to handle the wheelchair; you may need some help with this.

## VR-2

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Control panel with lighting and seat functions.



Control panel without lighting and seat functions.

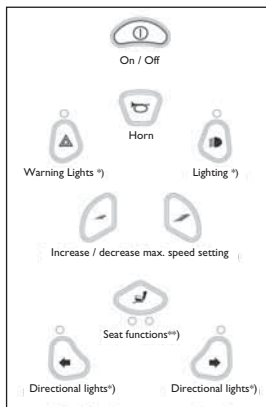
## VR-2 CONTROL PANEL

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### Function keys

There are up to 10 function keys on the control panel.

The number of function keys / indicator lights differs depending on your chair's equipment level.



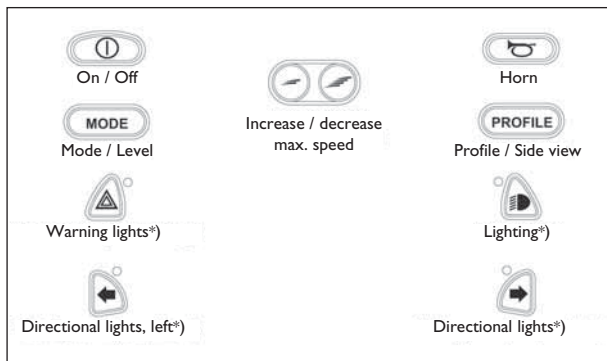
\*) Only applicable to chairs with lights.

\*\*\*) Only applicable to chairs with electric seat functions.

## R-NET

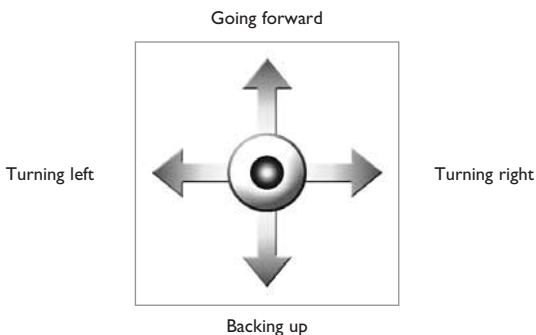
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There are a total of 10 function keys on the control panel.



## 2. DRIVING TECHNIQUE

The electronics in the control panel "interprets" the joystick's movements and directs the motions the operator wants the wheelchair to make. There are no complicated user techniques for normal riding, which is an advantage for an inexperienced user. A good way to start is simply to move the joystick in the direction in which you want to move. The wheelchair then rolls where the joystick points.



### **WATCH OUT!**

**Always remember to move slowly and to avoid hard braking and abrupt sideways movements.**



### 3. ADJUSTING ARM AND LEG SUPPORTS

Permobil does its best to adjust the arm and leg supports to suit the user. Your dealer is responsible for making the definitive adjustments upon delivery.

#### Adjusting the armrests

##### 1. Setting the height



##### 2. Setting the angle /depth



## 4. CHARGING THE BATTERIES

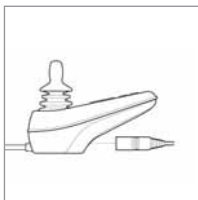
Batteries must be charged regularly to obtain the best possible riding time per charge and to ensure long operational life.

Always turn off the wheelchair when not in use and do not empty the batteries completely. Make a habit of charging the batteries whenever you are not using the wheelchair.

You can tell whether the batteries need charging by looking at the battery voltage on the control panel. Should your batteries become completely empty it is important to recharge them right away because being fully discharged shortens the batteries' operational life. The charger connection point is right above the batteries on most of our wheelchairs.



The charger connection point for C500 + C400



Connection point for the VR2 control panel



Charger connection point for the R-Net control panel

### **WATCH OUT!**

**Do not put anything on the charger, it can get hot!**  
**There should be free space around the charger on all sides.**

## 5. DISENGAGING THE BRAKES (Freewheeling)

It is possible to disengage the breaks so that the wheelchair can be moved by hand.

1. Uses the switch to turn off the wheelchair.
2. Lift the handle. The wheelchair can now be moved by hand.

Break release handle with safety catch on the C500/C400

Released brakes with safety catch



Engaged brakes



### **WATCH OUT!**

**After moving the chair, engage the brakes again by putting the handle back into position. The wheelchair will not operate when the brakes are released.**

# RELEASING THE BRAKES

## (Continued)

### Manual break release

The wheelchair is equipped with a manual break release to allow the wheelchair to be moved by hand.

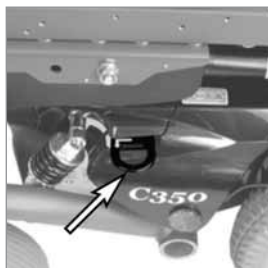
The adjustment for the break release is on the right side of the chassis.

### Releasing the brakes

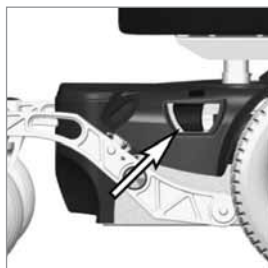
1. Use the On/Off button on the control panel to turn the wheelchair off.
2. Push the release to the rear and, at the same time, pull it out of the chassis (see picture). The wheelchair can now be moved by hand.

### Locking released brakes

Slide the brake release back into the chassis.



Brake release  
C350



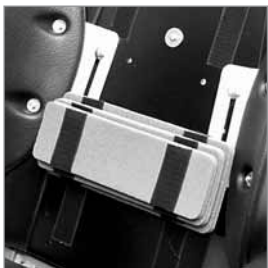
Break release  
K300 and C600

## 6. SUPPORT FOR HOLLOW BACK

### BACK

The support for a hollow back (lumbar cushion) consists of three cushions with Velcro that can be adjusted to suit the amount of support needed.

1. Remove the back cushions.
2. Place the support as desired.
3. Replace the back cushions.



Close-up: Lumbar cushions



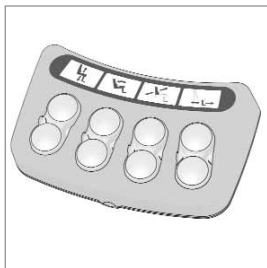
Adjusting the height of the lumbar cushions

## 7. CONSTRUCTION & OPERATION

You can use the control panel to operate the chair's electric functions. For more information, consult the operating instructions for the chassis. On chairs with an ICS operating system the electric functions can also be operated from the ICS control panel.

### ICS control panel

You can use the seat's control panel to regulate the seat's electrical functions. The control mechanism can consist of traditional buttons or tumbler switches which some users find easier to operate. You move the tumbler switch forward to activate the forwardmost button and backward to activate the rearmost button. The description given below of the functions on the control panel assumes it is equipped with traditional buttons. However, the operation is the same regardless of the control mechanism. Each control mechanism can have two functions; the symbol of the active function lights up. You use the shift button to change function.



Seat control panel



Control panel memory

## **SYMBOLS**

The symbols on the control panel provide information on available seat functions, restricted seat functions and seat functions that reduce speed or even completely prevent movement. The symbols can be off, be continuously on or blink.

### **The symbol is off**

The function's symbol is not lit. This means that the function is not currently available. You use the shift button to switch between the control mechanism's left and right seat function.

### **The symbol is on continuously**

A symbol that is continuously on provides information on riding speed. When the light is continuously green, the chair can roll at maximum speed. When the light is yellow, the maximum speed is restricted due to the current position of the seat function. When the light is red, the wheelchair cannot move due to the current position of the seat function.

### **WATCH OUT!**

**The number of available functions and their place can vary depending on how your wheelchair and seat are equipped.**

## Blinking symbol

A blinking symbol provides information related to the adjustment mechanism. If the blinking symbol is green, a special function is active such as the memory function. If the blinking symbol is yellow, a safety limit has blocked the function in one direction. The control mechanism for the current function can only work in the "safe" direction. If the blinking symbol is red, either it has been moved as far as it can go in a given direction or a fault has been discovered in the current control mechanism so that the seat mechanism may not work. If needed, contact the service department.



### Chair lift

The chair moves upward when the upper part of the button is pressed and moves downward when the lower part of this button is pressed.



### Backrest angle

The backrest tilts backward when the lower part of the button is pressed and moves back when the upper part is pressed.



### Tilt adjustment

The chair tilts backward when the lower part of the button is pressed and tilts forward when the upper part is pressed.





### Leg rest angle

The leg rest moves outward when the upper part of the button is pressed and moves back when the lower part is pressed.

In some versions, the leg rest control buttons also have a second function not summoned with a shift button.

In this case, the leg rest moves outward or back each time the button is pressed twice.



### Shift

You change the function of the control buttons by pressing the **shift** button. You return to the original function by pressing the **shift** button again. The symbol for the active function is lit.

#### **TIP:**

**In most cases, the adjustments can also be made via the mode function.**



Fig. 8

## Memory function

The control panel has a built-in memory with three memory locations. Each memory location can store all the seat's electric settings.

### Saving settings

Put the seat in the position you want to save.

- Activate the memory function by pressing and holding the memory button for two seconds, see fig. 8. You see a blinking green symbol when the memory function is activated.
- Press (4) for more than 2 sec. to release the stored setting
- Press and hold the desired memory function (5, 6 or 7) for three seconds to save the settings for the seat; see fig. 8.
- The symbol above the current memory function turns red and the control panel give a short audio signal when the setting has been saved.
- Return to the control panel's standard function by pressing the memory button (8), see fig. 8.

### Retrieving settings

- Activate the memory function by pressing and holding the memory button (8) for two seconds, see picture. You see a blinking green symbol when the memory function is activated.
- Press and hold the button for the desired memory function (1, 2 or 3). The seat is adjusted to the position saved earlier, see fig. 8. For reasons of safety, the button must be pressed and held until the seat has reached the desired position.
- Once the saved setting has been reached, the seat mechanism stops and the symbol above the memory location turns green. The control panel gives a brief audio signal.
- Return to the control panel's standard function by pressing the memory button (8), see fig. 8.

## 8. FOR WHEELCHAIRS WITH STAND ASSIST (SOV)

When you want to stand up, press the button and the foot-plate sinks to the floor. As soon as the thin plate touches the ground, the lift is activated and the seat starts to rise.

This brings you to the best position for getting up).

You can use the (optionally) mounted transfer handles to slide forward so that your feet touch the ground.

Then you let the chair rise until it is high enough to allow you to stand comfortably.

Permobil can easily equip wheelchair models C400 Corpus, C500 Corpus and Hexior Corpus with stand assist.



Stand Assist for Hexior

## 9. FOR WHEELCHAIRS WITH REVERSIBLE CONTROL BOX

The reversible joystick control is normally mounted in a box as shown in the picture. The reversible joystick control is the same as the normal joystick control except that here the joystick is situated in a casing mounted in a worktop. This control module's joystick is a proportional joystick that can be operated with the fingers or the hand. When you press the oval unlocking button on the top of the control box, you can reverse the entire casing.

Reversible joystick control  
mounted in worktop.



## 10. HEAD SUPPORT (accessory)

### Adjusting the height

1. Loosen button (1) on the back of the backrest, see picture.
2. Adjust the height of the head support as desired.
3. Tighten button (1).

### Forward/backward adjustment

1. Loosen button (2) on the back of the backrest, see fig.
2. Adjust the head support forward/backward as desired.
3. Tighten button (2).



Adjusting the head support

#### **WARNING:**

**Do not put weight on the head support while adjusting.**

## Adjustments

### Head support (accessory)

This head support has more setting options to allow the user the greatest possible degree of comfort. The head support can also be removed without losing the adjustments.

## Removing

1. Loosen button (3) on the back of the backrest, see picture.
2. Remove the head support by lifting it straight up.

## Mounting

Mounting is done in reverse order.

## Setting the height/depth

1. Loosen button (1) on the back of the backrest, see picture.
2. Adjust the height/depth of the head support as desired.
3. Tighten button (1).

## Setting the angle

1. Loosen button (2) on the back of the head support, see picture.
2. Adjust the angle of the head support as desired.
3. Tighten button (2).



Head support with broad range of adjustments.



Adjusting the head support

# NOTES

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