

User manual

MANUEL D'UTILISATION
GEBRUIKSAANWIJZING
GEBRAUCHSANWEISUNG
MANUALE DI ISTRUZIONI
MANUAL DE INSTRUCCIONES
INSTRUKCJA OBSŁUGI
NÁVOD K OBSLUZE

SE09





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Preface

Important note

This manual reflects the latest product developments. Vermeiren has the right to implement changes to this type of product without being imposed to any obligation to adapt or replace similar products previously delivered.

Pictures are used to clarify the instructions in this manual. Details of the depicted product may deviate from your product.

Information available

On our website <http://www.vermeiren.com/> you will always find the most recent version of the information in this manual. Please consult this website regularly for possible updates.

Visually impaired people can download the electronic version of this manual and have it read out by means of a text-to-speech software application.



User manual of the operating console
For user and specialist dealer



User manual of wheelchair
For user and specialist dealer



Installation manual of wheelchair
For specialist dealer

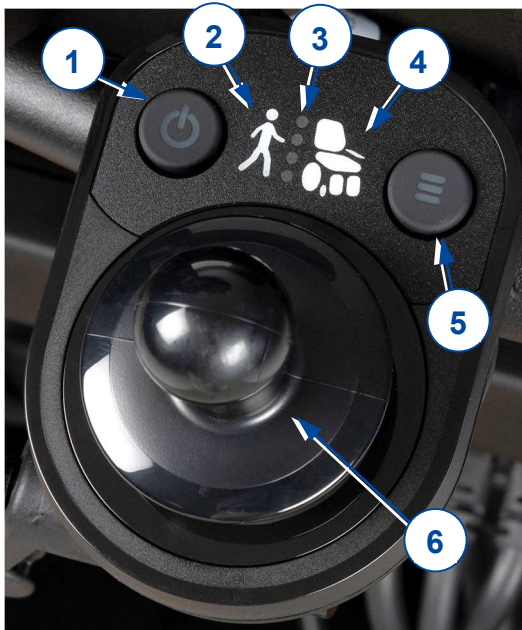


User manual of battery and charger
For user and specialist dealer

1 Description

The SE09 controller is an additional operating console for an attendant. The operating console built into your electric wheelchair enables you to control all the driving, steering, braking and operating processes, as well as other adjusting motors (lifting column, seat and back adjuster). The wheelchair's electrical unit and electronics are constantly being monitored internally.

The following pictures show all parts that are relevant to the user.



1. ON / OFF button
2. Walk function indicator
3. Speed indicator
4. Drive and actuator indicator
5. Function selection button
6. Joystick

Figure 1 *Important parts*

2 Before use

**WARNING**

Risk of injuries and damage

- Do NOT install, maintain or use this product unless you have read and fully understood all instructions in this manual and all relevant manuals regarding the wheelchair equipped with this product.
 - Do not try to open or disassemble the console in any case - there are no user-serviceable parts inside.
 - In case of doubts or questions, do not hesitate to contact your local specialist dealer, your care provider, or your technical adviser to help you with this.
- i** Vermeiren is responsible for software updates/repairs. For adaptations in the software contact Vermeiren, see our website <http://www.vermeiren.com/>

2.1 General safety instructions

Keep the following general warnings in mind during use:

- The operating consoles have been tested for electromagnetic compatibility on typical, representative vehicles and comply with the appropriate EMC standards: EN 12184: 2014, ISO7176-21: 2009. Nevertheless, sources of electromagnetic field may influence the driving performance of your wheelchair, like the fields of mobile phones, power generators or high-power energy sources. On the other hand, the electronics of your wheelchair can affect other electronic appliances too, like alarm systems of shops and automatic doors. We therefore advise you to check your operating console / wheelchair regularly for damage and wear, since these may enlarge the interference.
- Be aware that the surface of the operating console may get very hot due to solar radiation or heating devices. Be careful when touching.
- Make sure that the controller does not become colder or hotter than the allowed minimum and maximum temperature, see the wheelchair user manual.
- Before switching the wheelchair on, be aware of your environment/situation. Adjust your speed accordingly before driving off. We advise you to use the slowest speed setting to drive indoors. For outdoor driving you can adjust the speed to a suitable speed at which you feel comfortable and safe.
- Do not touch the connector pins. If you touch the pins, they can become dirty, or they can be damaged by electrostatic discharge.
- Immediately turn the controller off and consult your service agent if the vehicle:
 - is damaged;
 - does not behave the same every time;
 - does not respond normally, the way you expect it to;
 - becomes hotter than normal;
 - smokes;
 - does not change its speed when you adjust the speed dial;
 - displays a fault on its fault indicator and the controller does not perform normally.
- Turn the controller off:
 - when you do not use it;
 - before you get in or out of the wheelchair;
 - if your vehicle drives by itself or against your will. When you turn the controller off, the vehicle will halt.

3 Driving

1. Press the ON/OFF button.
2. When the light on the ON/OFF button is green, the wheelchair is powered and ready to go.
3. Select the driving program and adjust the driving speed using the speed switch, see drive functions in §4.3.2.
4. Start moving the wheelchair by operating the joystick slowly forwards/backwards.
5. The speed will increase when you push the joystick further out of the centre.
6. To turn left or right, push the joystick to the left or right.
7. To brake, move the joystick to neutral position.
8. After arrival, press the ON/OFF button.
9. Charge the battery if necessary.

4 Operating console functions

The operating console enables you to control all driving components as well as the motors to adjust your body position. For your own safety, and to prevent that the wheelchair gets damaged, movements are monitored by the electronics. This may result in block of movement, speed decrease or complete stop.

4.1 Switching ON / OFF

i Once the SE09 attendant console is switched on, the regular console will automatically switch off and vice versa. It is not possible to use both consoles at the same time.

i Put the joystick in the neutral (central) position before pressing the ON/OFF button.

If the console is switched on with the joystick out of the neutral position, the wheelchair will not drive. Release the joystick (return to neutral) within 5 seconds to unlock the drive. If the joystick is not released within 5 seconds, the fault turns into a Module fault which is indicated by the red blinking LED in the ON/OFF button. The wheelchair will not drive. To clear the Module fault, release the joystick and switch the operating console OFF and then ON again.

- To switch the operating console ON, press the ON/OFF button once (see part 1, Figure 1). *The LED (status indicator) in the ON/OFF button goes on. When it turns green, the operating console is ready for operation.*
- To switch the operating console OFF when it is ON: press the button once. *The operating console will power down and the status indicator goes out.*

4.1.1 Emergency stop

If you need to stop a driving or body-positioning movement quickly, press the ON/OFF button to perform an EMERGENCY STOP. The wheelchair will come to a halt quickly.

4.2 Joystick operation (driving and braking)

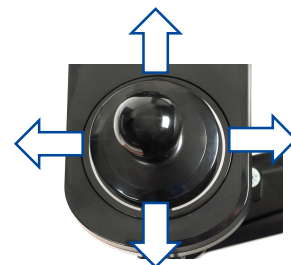
Operating the joystick in a specific direction will move the electric wheelchair in that direction. The speed of movement depends on the displacement of the joystick. If the joystick is pushed/pulled to maximum displacement, the speed will be maximal (within the selected drive mode).

By moving the joystick to its central position (neutral) during driving, the brakes will start working until the wheelchair stops:

- For gradual braking, move the joystick slowly
- For a quick stop, release the joystick; the wheelchair will stop as quickly as possible.

Figure 2

Joystick movements



i Make sure that the joystick is in neutral (central) position when pressing the on/off button, otherwise the electronics will be locked.

After switching the operating console ON by the ON/OFF button, the joystick has to stay in the central position for at least five seconds. The console has been programmed this way for technical and safety reasons. If the joystick and ON/OFF button are activated at the same time, the steering unit is locked and will only unlock after switching completely OFF.

- i** Make sure that the free-wheel lever is in braking position BEFORE switching the wheelchair ON. Electromagnetic brakes do NOT function if the wheelchair is in free-wheel mode. This is indicated on the operating console. Driving is not possible.

4.3 Function selection

The function selection button (see part 5, Figure 1) allows you to switch between the adjusting functions and drive functions. Press the button until the desired function is selected.

4.3.1 Adjusting your body position









 **CAUTION** Risk of injuries or damage

- Be aware that the stability decreases when the wheelchair is moved from sitting straight to inclined position.
 - Make sure that there is enough space around the wheelchair to operate the backrest and seat.
- i** If the SE09 console is installed on an electronic wheelchair with stand-up function, it is not possible to adjust the body position with the SE09 console.

The wheelchair's adjusting functions can be operated using the function selection button. Depending on your type of wheelchair, there can be up to 6 functions.

- Press the function selection button to select the adjusting function.
- To adjust your body position, move the joystick to the front or back.
- To return to the basic sitting position, move the joystick to the back for each adjusting movement.

The selected adjusting function is displayed on the drive and actuator indicator as shown below. The display only shows the available/programmed functions in your wheelchair.

Adjust function	Display	Adjust function	Display
Seat inclination		Backrest inclination	
Lift		Leg rest left	
Leg rest right		Leg rests simultaneous / central footplate	
Unspecified		None	

4.3.2 Changing drive function

- i** If the SE09 console is installed on an electronic wheelchair with stand-up function, only one speed setting is possible.

The wheelchair's speed functions can be operated using the function selection button. There are two available drive functions.

- Press the function selection button to select the drive function.

The selected drive function is indicated by the walk function indicator and the number of LED's on the speed indicator (maximum 2).

The maximum driving speed by maximal deflection of the joystick depends on the selected drive function.

4.3.3 Limited driving speed

For your safety, the driving speed of your wheelchair will be automatically reduced when certain body position alterations have been made. The drive of the wheelchair is then limited to the lowest speed setting, or even becomes completely blocked.

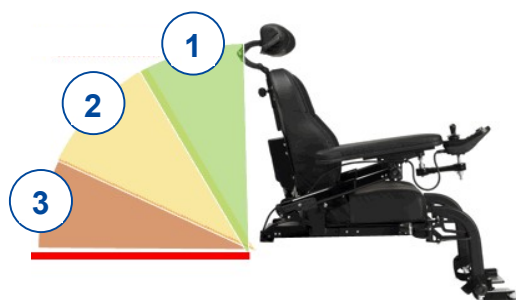


Figure 3 **Backrest inclination**

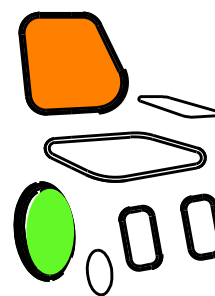


Figure 4 **Driving inhibition indicator**

Driving and speed limitations occur when:

- the lift has been adjusted to a higher position. Only speed setting 1 is available.
- the backrest inclination exceeds a certain angle (see Figure 3):
 1. All functions of your wheelchair are available.
 2. Only speed setting 1 is available.
 3. Driving your wheelchair is no longer possible. Raise the backrest until the block is lifted.

To notify the user that all driving is inhibited, the drive wheel LED on the actuator status indicator slowly pulses on and off, as well as the LED referring to the adjustment that causes the block. The LED's pulse for the duration of driving or adjusting function demand.

E.g. Figure 4: The backrest and drive wheel LED's on the indicator are pulsing. This means that the backrest inclination is too large, causing driving inhibition.

To lift the speed/driving limitations, lower the lift to standard (lowest) position, and adjust your seat and backrest to upright sitting position.

- i** If the SE09 console is installed on an electronic wheelchair with stand-up function, driving limitations only occur when the SU function is used.



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Instructions for specialist dealer

This instruction manual is part and parcel of the product and must accompany every product sold.

Version: A, 2022-01

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