Precautions For Use

The VR2-L control system has been designed with the user's safety as the prime consideration. It incorporates many sophisticated self-test features which search for potential problems at a rate of 100 times per second. If the control system detects a problem either in its own circuits, or in the wheelchair's electrical system, it may decide to halt the wheelchair depending on the severity of the problem. The VR2-L is designed to maximize the user's safety under all normal conditions.

In spite of its sophistication, the VR2-L cannot take into account circumstances which put the wheelchair or the controller outside of their specified operating conditions, and so it is important that the user follows the precautions below:

1) Do not drive the wheelchair:

   a) beyond restrictions indicated in the wheelchair user manual, for example maximum inclines, curb height etc.

   b) in places or on surfaces where a loss of wheel grip could be hazardous, for example on wet grassy slopes.

   c) if the controller or other crucial components are known to require repair.

In the event of the wheelchair moving in an unexpected way RELEASE THE JOYSTICK and switch the on/off switch to off. This action will remove drive and power to the electro-magnetic brakes

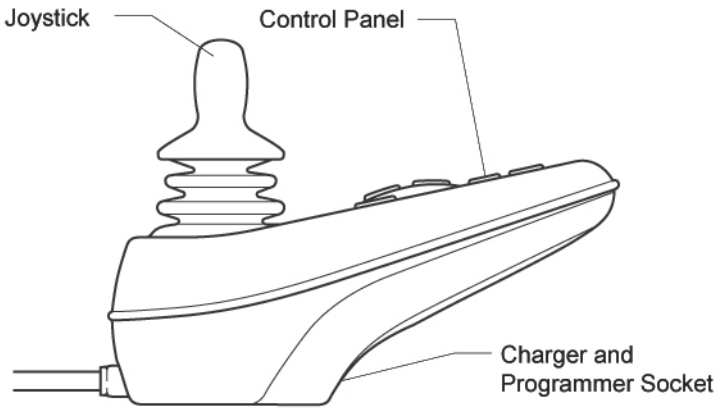
2) Although the VR2-L control system is designed and manufactured to be extremely reliable and each unit rigorously tested, possibility of a system malfunction always exists (however small the probability). Under some conditions of detected system malfunction, the controller must (for safety reasons) stop the chair instantaneously. If the physical impairments of the user are such that a sudden braking action could result in a fall from the chair, it is imperative that a restraining device such as a seat belt be purchased and installed with the chair. Restraining devices should be used at all times when the wheelchair is in motion.

PGDT accepts no liability for losses of any kind arising from unexpected stopping of the wheelchair or improper programming of the control system, improper use of the wheelchair, improper use of the control system or if any of the criteria detailed in this document are not met. This sheet should be read in conjunction with the VR2 Technical Manual SK77898.

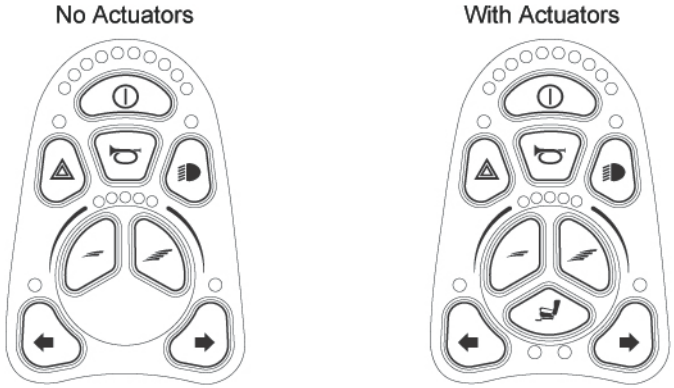
For contact information please visit www.pgdt.com

VR2-L JOYSTICK MODULE USER INFORMATION SHEET

This sheet should be read in conjunction with the VR2 User Information Sheet, SK77899



Front Control Panel Details



Refer to the wheelchair manufacturer's documentation for detailed operating and service instructions.

The actual design of this control system may vary depending on the specification and type of wheelchair you are working with. Refer to the wheelchair's documentation for exact details of the system you are working with.

Control Panel

TruCharge Battery Gauge: This is a 10 segment display which indicates if the VR2-L is switched on and gives the state of charge of the battery. Additionally, any faults in the wheelchair's electrical system are indicated by this display. Refer to the wheelchair's documentation for more details.

On/Off Button: This button turns the VR2 on and off. Do not use this button to stop the wheelchair, except in an emergency.

Horn Button: This button operates the wheelchair's horn.

Maximum Speed / Profile Indicator: This is a 5 segment display which indicates the maximum speed setting or which drive profile is selected. The wheelchair's documentation will state whether the VR2 is set up for maximum speed or drive profile operation.

Speed/Profile Decrease Button: This button decreases the maximum speed setting or selects a lower drive profile.

Speed/Profile Increase Button: This button increases the maximum speed setting or selects a higher drive profile.

Actuator Button and LEDs: This button will enter and exit actuator adjustment mode. When in actuator adjustment mode, the relevant LED will be illuminated. Use the joystick to toggle between actuators.

Light Button and LED: This turns the wheelchairs lights on and off. When the lights are on the LED will be illuminated.

Hazard Warning Button and LED: This turns both the wheelchairs indicator circuits on and off. When the indicators are on the LED will flash in time with the indicators.

Turn Indicator Button and LED: These turns the wheelchairs indicators on and off. When the indicators are activated the LED will flash in time with the indicator.

Joystick

This controls the speed and direction of the wheelchair. Push the joystick in the direction you wish to go. The further you push it, the faster the speed. Releasing the joystick stops the wheelchair and automatically applies the brakes.

Charger and Programmer Socket

Only connect a PGDT Programmer or the charger supplied with the wheelchair into this socket. The charger current must not exceed 12Arms and the charger must be fitted with a Neutrik NC3MX plug. This socket must not be used as a power supply for any other electrical device.

Power Module and Joystick Cable

The Power Module contains most of the electronics for controlling the wheelchair. It has three main connections to the batteries and each motor. A cable from the Power Module and the Joystick Module links the system together. For further information refer to the wheelchair manufacturer's documentation.

Care

- Avoid knocking your control system, especially the joystick.
- When transporting your wheelchair ensure the control system is well protected.
- To prolong the life of the control system, keep exposure to extreme conditions to a minimum. Always clean your control system if it becomes contaminated with food or drink.
- Use a damp cloth and washing up liquid mixed with water. Do not use abrasive or spirit based cleaning agents.

Daily Checks

Joystick: With the control system switched off, check that the joystick is not bent or damaged and that it returns to center when you release it. If there is a problem do not use your wheelchair and contact your service agent.

Weekly Checks

Electrical Brakes: This test should be carried out on a level floor with at least one meter clear space around the wheelchair.
Switch on the control system.
Check that after 1 second the battery gauge remains on or flashes slowly.
Push the joystick slowly forwards until you hear the electrical brakes operate. The chair may start to move.
Immediately release the joystick, you must be able to hear each electrical brake operate within a few seconds.
Repeat the test three times, pushing the joystick backwards, left and right respectively.
If your wheelchair is fitted with lights, turn indicators or seat adjustment actuator, checks the operation of these.

Connectors: Check all connectors are secure, properly mated and free from damage.

Cables: Check condition of all cables for damage.

Joystick Gaiter: Check the thin rubber gaiter around the base of the joystick for damage or splitting. Check visually only, do not handle the gaiter.

Mounting: Make sure the controller is securely fixed to your wheelchair. Do not over tighten any screws.