



Precautions for Use



The R-net 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 R-net is designed to maximize the user's safety under all normal conditions. In spite of its sophistication, the R-net 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.

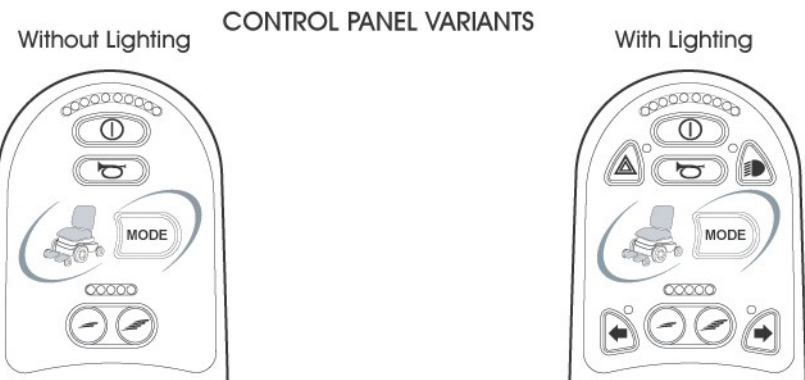
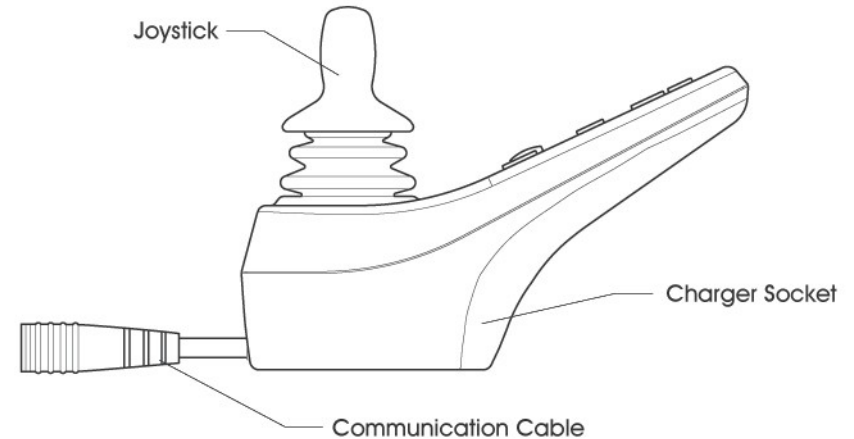
- 2) Although the R-net control system is designed and manufactured to be extremely reliable and each unit rigorously tested, possibility of a system malfunction always exists (however small the probability). Under some conditions of detected system malfunction, the controller must (for safety reasons) 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.

For contact information please visit www.ROLTEC.com

R-NET JOYSTICK MODULE USER INFORMATION SHEET



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.

This guide does not exclude from reading the User Manual.



CONTROL PANEL



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



TruCharge Battery Gauge: This is a 10 segment display which indicates if the R-net 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.



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



The Mode button allows the user to navigate through the available operating Modes for the control system. If a mode other than Actuator mode is entered, then the Speed indicator and Actuator LEDs will go out.



Actuator Indicator: This displays what actuator is currently being controlled.



Maximum Speed / Profile Indicator: This is a 5 segment display which indicates the maximum speed setting or which drive profile is selected. Refer to the wheelchair's documentation for more details.



Speed Decrease Button - decreases the maximum speed setting. **Speed Increase Button** - increases the maximum speed setting.



This button activates and de-activates the wheelchairs Lights. When activated the LED will illuminate



This button activates and de-activates the wheelchairs Hazard lights. When activated the LED will flash.



This button activates and de-activates the wheelchairs Left Indicators lights. When activated the LED will flash.



This button activates and de-activates the wheelchairs Right Indicators lights. When activated the LED will flash



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 SOCKET

Only connect a PGDT Programmer or the charger supplied with the wheelchair into this socket.

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 non-abrasive 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, check 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.