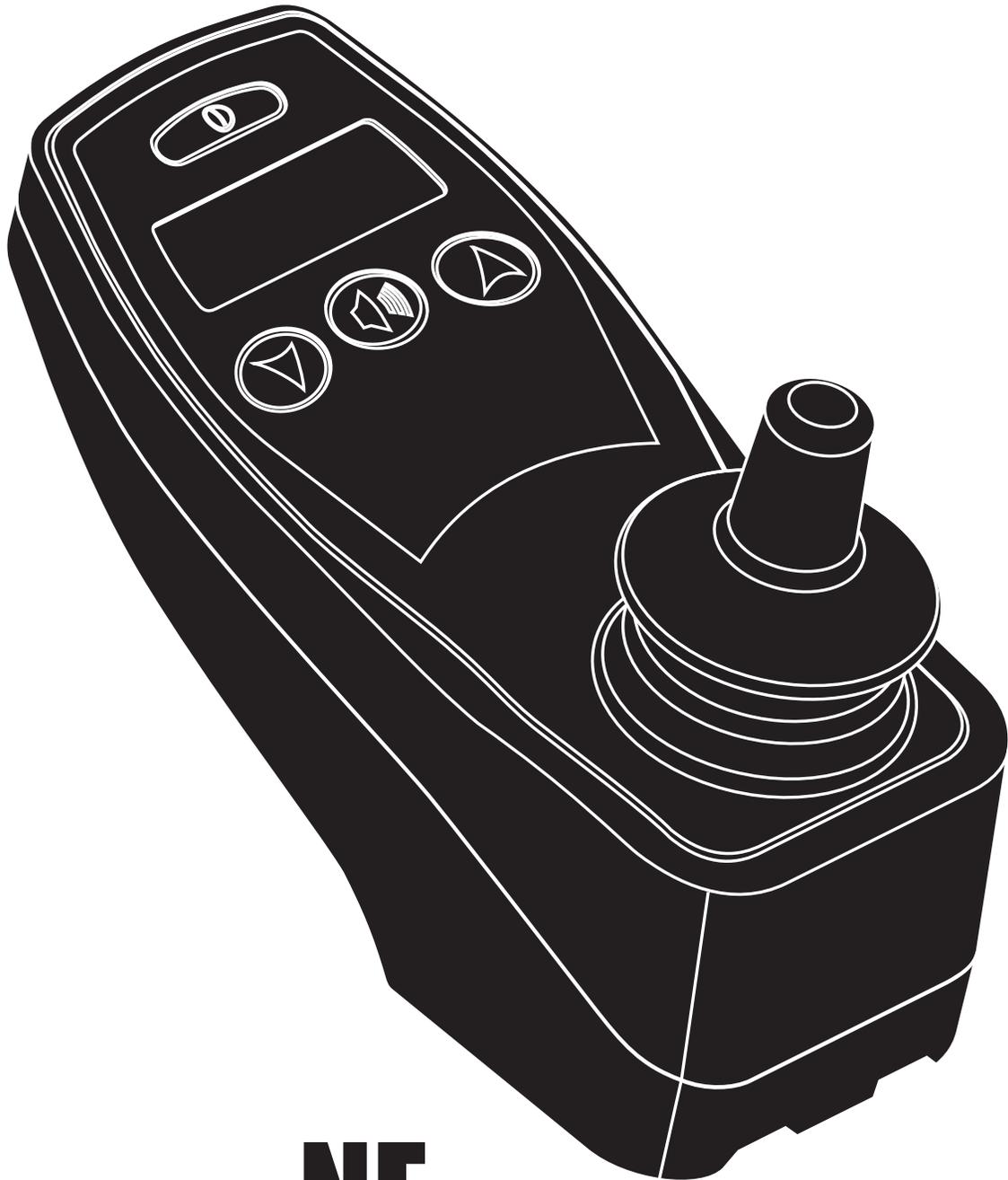


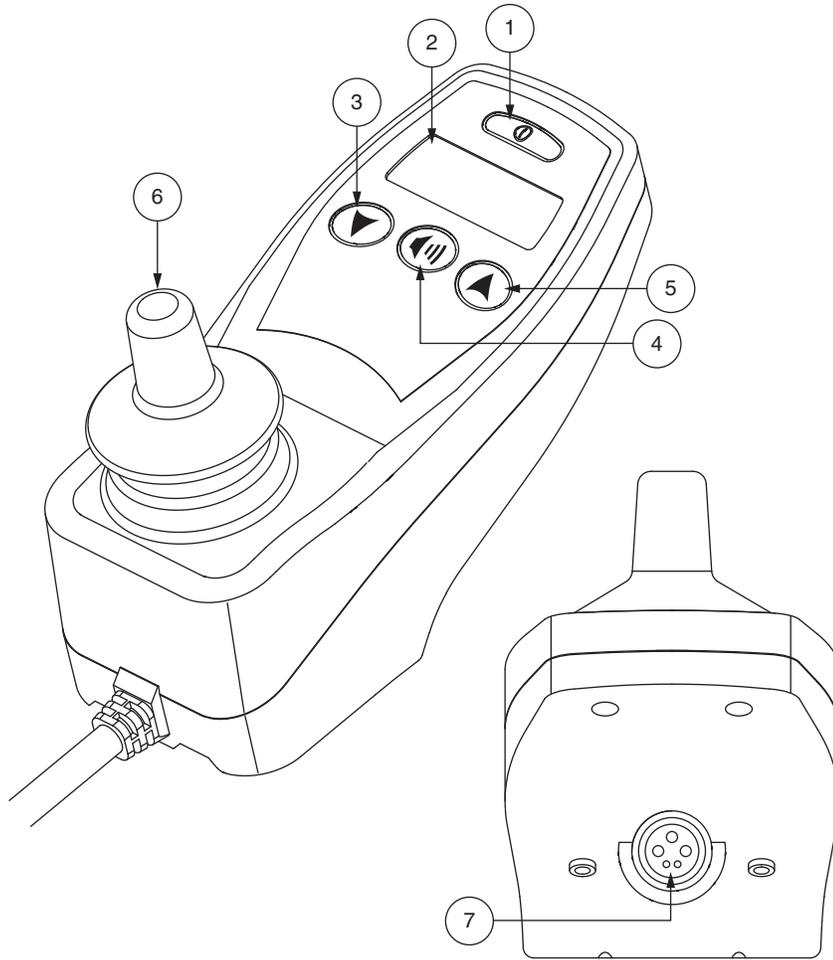


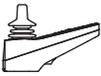
Basic Operation Instructions



NE

IDENTIFICATION KEY



 Controller	 On/Off Button	 LCD Screen	 Profile Decrease Button
 Horn Button	 Profile Increase Button	 Joystick	 Charger Port





WARNING! An authorized Quantum Rehab/Pride Provider or a qualified technician must perform the initial setup of this power chair and must perform all of the procedures in this manual.

The symbols below are used throughout this owner’s manual and on the power chair to identify warnings and important information. It is very important for you to read them and understand them completely.



WARNING! Indicates a potentially hazardous condition/situation. Failure to follow designated procedures can cause either personal injury, component damage, or malfunction. On the product, this icon is represented as a black symbol on a yellow triangle with a black border.



MANDATORY! These actions should be performed as specified. Failure to perform mandatory actions can cause personal injury and/or equipment damage. On the product, this icon is represented as a white symbol on a blue dot with a white border.



PROHIBITED! These actions are prohibited. These actions should not be performed at any time or in any circumstances. Performing a prohibited action can cause personal injury and/or equipment damage. On the product, this icon is represented as a black symbol with a red circle and red slash.

INTENDED USE

The intended use of the Quantum Rehab/Pride Mobility Products device is to provide mobility to persons limited to a seated position that have the capability of operating a powered wheelchair.

Quick Reference Information

Authorized Quantum Rehab/Pride Provider: _____ Address: _____ Telephone: _____ Purchase Date: _____
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NOTE: This owner’s manual is compiled from the latest specifications and product information available at the time of publication. We reserve the right to make changes as they become necessary. Any changes to our products may cause slight variations between the illustrations and explanations in this manual and the product you have purchased. The latest/current version of this manual is available on our website.

NOTE: This product is compliant with WEEE, RoHS, and REACH directives and requirements.

NOTE: This product meets IPX4 classification (IEC 60529).

NOTE: This product and its components are not made with natural rubber latex. Consult with the manufacturer regarding any after-market accessories.

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PRODUCT SAFETY SYMBOLS

The symbols below are used on the controller to identify warnings, mandatory actions, and prohibited actions. It is very important for you to read and understand them completely.



Read and follow the information in the owner's manual.



Avoid exposure to rain, snow, ice, salt, or standing water whenever possible. Maintain and store in a clean and dry condition.



EMI/RFI—This product has been tested and passed at an immunity level of 20 V/m.



Disposal and recycling—Contact your Quantum Rehab/Pride Provider for information on proper disposal and recycling of your Quantum Rehab/Pride product and its packaging.

NE CONTROLLER

The NE controller is a modular electronic controller system that allows you to operate your power chair. It is designed to allow the user to have complete control over chair movement and speed.

The controller has been pre-programmed to meet a typical user's needs. The program is set using a hand-held programmer provided by the controller manufacturer.



WARNING! The controller program can affect speed, acceleration, deceleration, dynamic stability, and braking. If it is programmed incorrectly or outside of the safe limits as determined by your healthcare professional, it can create a dangerous situation. Only the power chair manufacturer, an authorized representative of the manufacturer, or a trained service technician should program the controller.

PRECAUTIONARY GUIDELINES

Before operating the NE controller, please read the following. These guidelines are provided for your benefit and will aid you in the safe operation of the controller system.

- Turn off the power to the controller when transferring to or from your power chair.
- Follow all of the procedures and heed the warnings as explained in your power chair owner's manual.

NOTE: For further information on EMI/RFI, go to the Resource Center on www.pridemobility.com. or www.quantumrehab.com. If unintended motion or brake release occurs, turn your power chair off as soon as it is safe to do so. Call Pride or your Quantum Rehab Provider to report the incident.

OPERATING THE NE CONTROLLER

The NE controller is used to operate your power chair and all of its components.

Joystick Control

The joystick controls the direction and speed of your power chair. When you move the joystick from the neutral (center) position, the electromagnetic brakes release and allow your power chair to move. The farther you push the joystick from its neutral position, the faster your power chair moves. When you release the joystick and allow it to return to the neutral position, you engage the electromagnetic brakes. This causes your power chair to decelerate and come to a complete stop.

Keypad

The keypad is located directly in front of the joystick. It contains buttons that you will use to control your power chair.

On/Off Button

The on/off button turns the system on and off.



WARNING! When faced with an emergency stop situation, release the joystick, then press the on/off to stop the power chair. Use caution. Be advised that pressing the on/off button may cause the power chair to stop abruptly.

WARNING! Always turn the power off when you are stationary to prevent unexpected movement.

Horn Button

The horn button activates a warning horn.

LCD Screen

The LCD screen provides the user with easily intuited feedback information such as battery condition, drive profile, power chair speed, warnings, and error codes. **See figure 1.**

The brake icon, error, warning, power base, and temperature warning indicators are only lit when the system detects a condition that triggers them.

The charging indicator is steadily lit with segments of the battery condition meter scrolling up when the charger is plugged in. When the charging indicator is flashing, it indicates the detection of a problem. See NE Error Codes.

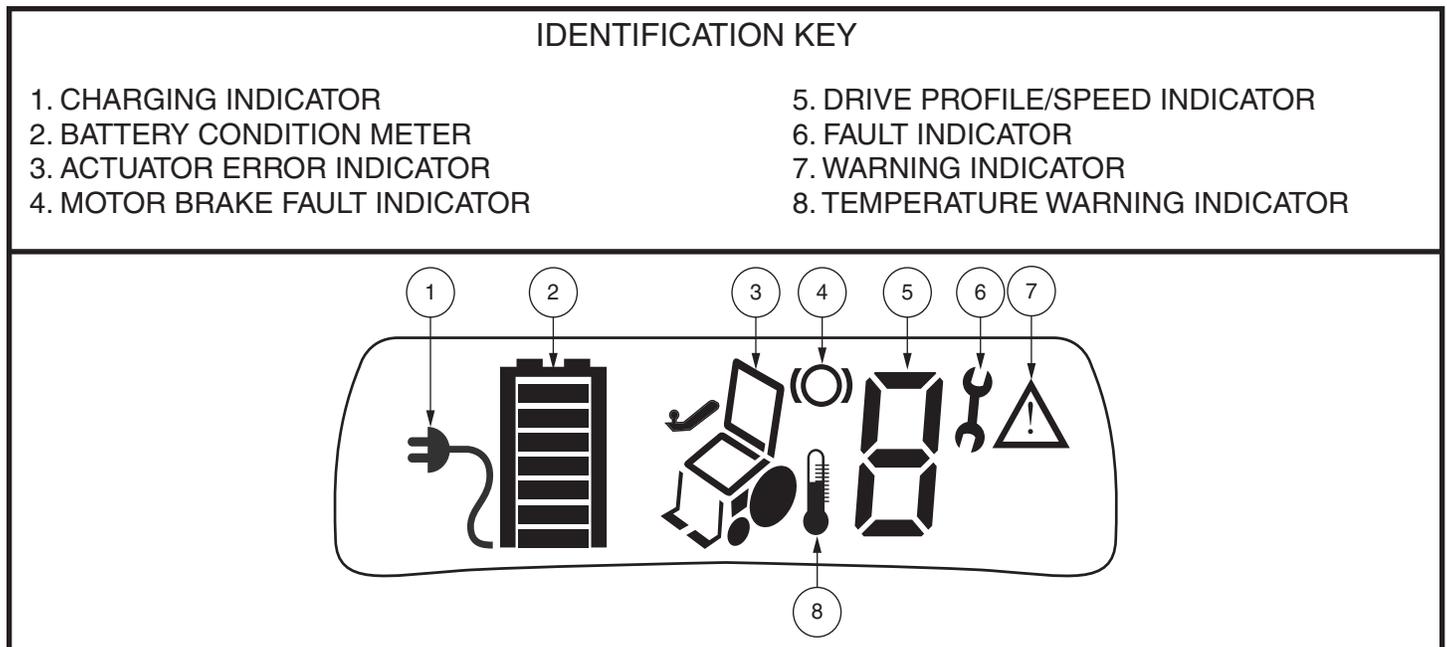


Figure 1. LCD Screen

Drive Profile Selection

Your NE controller may be programmed for up to five drive profiles that allow the system to be custom tailored to your environment. The drive profile may be changed by pressing the profile decrease button or the profile increase button.

NOTE: Drive profiles are set by your Quantum Rehab/Pride Provider. Contact your Quantum Rehab/Pride Provider to change or add a drive profile.

Battery Condition Meter

The battery condition meter consists of a 7-segment display on the LCD. As the battery voltage drops, the number of lights reduces from top to bottom. When the battery capacity drops to 10% or below, the bottom segment will flash.

- **Bottom Segment Flashing:** The battery charge is low; charge the batteries as soon as possible.
- **Scrolling Up of Segments (with charging indicator):** The controller is in inhibit or charging mode.
- **All or No Segments Flashing Quickly (Code):** The controller has detected a fault; refer to the NE Error Code table.

Joystick Out of Center

If the joystick is not in the center position when the power is switched on, a warning indicator will flash on the LCD display. A warning flashes for several seconds and then becomes an error if the joystick is not returned to center. (Refer to the NE Error Codes table.) Power the NE controller off and allow the joystick to return to the center (neutral) position and then power the controller back on to restart. If the warning or error does not clear, contact your Quantum Rehab/Pride Provider.

Controller Connector

This connects the NE controller to the power module located on the power base.

Off-board Charger/Programming Socket

You may use an off-board charger to charge the power chair batteries through the 5-pin socket located on the front of the NE controller. If you use an off-board charger, the charger current should not exceed 8 amps. Contact your Quantum Rehab/Pride Provider for more information.



WARNING! Only chargers with Neutrik NC3MX plugs should be connected to the off-board charger/programming socket. See your Quantum Rehab Provider for more information.

NOTE: The socket may also be used for reprogramming the NE controller. Contact your Quantum Rehab/Pride Provider for more information.

LOCK MODE

The NE controller can have a feature enabled that allows you to “lock out” unauthorized users.

To lock the controller:

1. While the power is on, press and hold the on/off button until the system shuts off.
2. The system is now locked.

To unlock the controller:

1. Press the on/off button to turn on the controller. A key icon will be displayed on the LCD screen.
2. Move the joystick to the full forward position until the controller beeps.
3. Move the joystick to the full reverse position until the controller beeps.
4. Release the joystick. The NE controller is now unlocked.

SLEEP MODE

The NE controller offers a sleep mode feature which will shut off the main power if the joystick remains stationary for a programmed period of time from 0-60 minutes. To restore power and resume operation of the chair, push the on/off button once.

NOTE: Timing for the sleep mode/auto shutoff is set by your Quantum Rehab/Pride Provider. Contact your Quantum Rehab/Pride Provider to change or turn off this feature.

THERMAL ROLLBACK

The NE controller is equipped with a thermal rollback circuit which monitors the temperature of the chair’s motors and controller. If either exceeds the safe operating temperature, the controller reduces the output to 20% of full operation level. This reduces the chair’s speed and allows a cool down period. Once the temperature returns to a safe level, the chair will resume normal operation.

NE ERROR CODES

The NE displays four types of messages: information, warning, temperature, and fault.

- **Information:** Displays information about the power chair’s functionality or performance. There is no icon associated with an information message.
- **Warning:** Alerts you to conditions that may affect power chair functionality and performance. **See figure 1.**
- **Temperature:** Alerts you to conditions relating to the temperature of your power chair components that can affect functionality and performance. **See figure 1.**
- **Fault:** Alerts you to conditions that influence power chair functionality and performance. **See figure 1.**

Error codes are displayed on the LCD screen as icons. The following table identifies the error codes that may be easily rectified, probable causes, and possible solutions. If you receive one of these error codes, follow the recommended solution, and if the problem persists or you receive any other error code or experience any other problem with your power chair, contact your Quantum Rehab/Pride Provider.

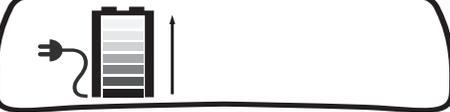
LCD Display	DIAGNOSIS	Solutions
	Power Section Errors	Cycle power. Check power module and joystick module connections and wiring.
	Joystick Out of Center	Release joystick and make sure the joystick is in center position. Power off and on again. Check connections.
	Communication Error	Check joystick cable connections.
	Motor/Brake Error	Check motor/brake connectors.
	Low Battery Voltage	Charge batteries.
	High Battery Voltage	Disconnect charger.
	Drive Thermal Warning	Allow motors to cool.
	Open Motor Error	Check motor connectors.
	Low Battery	Recharge batteries.
	Battery Charging Inhibit	Unplug charger when charging is complete. Check connections.

Table 1. NE Error Codes

CARE AND MAINTENANCE

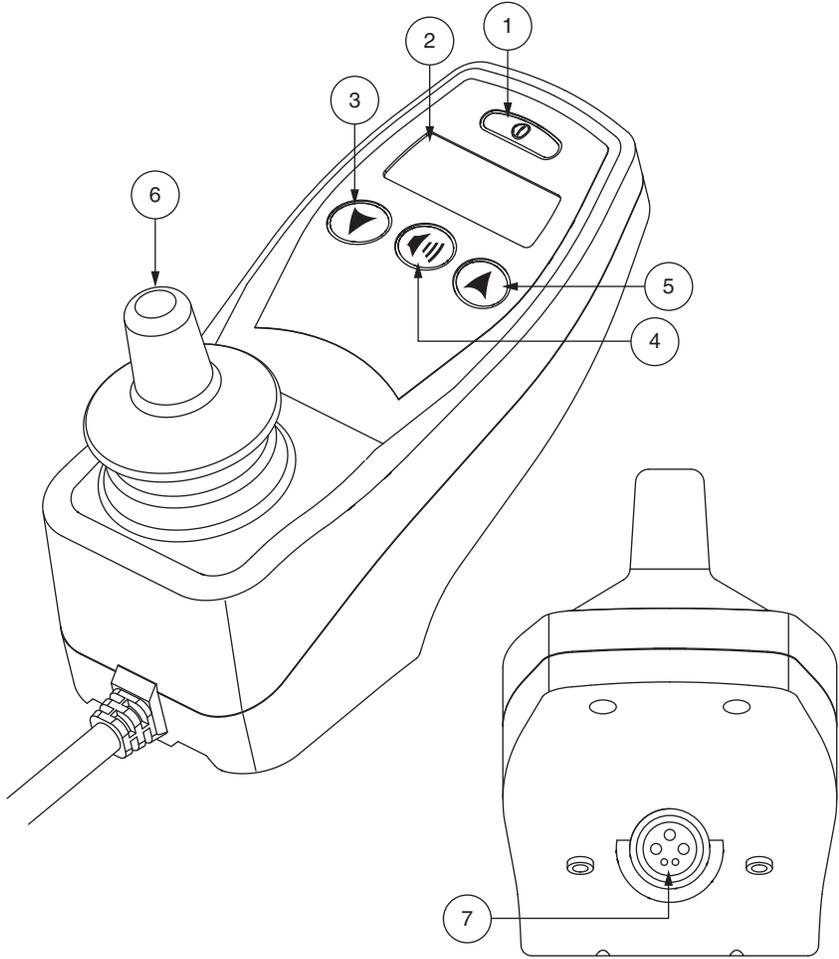
Refer to your power chair owner's manual for proper cleaning and disposal instructions.

TEMPERATURE

Some parts of your power chair are susceptible to extreme changes in temperature. Always keep your power chair between the temperatures of 18°F (-8°C) and 122°F (50°C).

WARRANTY

Refer to your power chair owner's manual for specific information on controller warranty.



 Controller	 On/Off Button	 LCD Screen	 Profile Decrease Button
 Horn Button	 Profile Increase Button	 Joystick	 Charger Port



USA-Quantum

401 York Avenue
Duryea, PA 18642

USA-Pride Mobility Products Corp.

182 Susquehanna Avenue
Exeter, PA 18643-2694

Canada

5096 South Service Road
Beamsville, Ontario L0R 1B3

UK

32 Wedgwood Road
Bicester, Oxfordshire OX26 4UL

Australia

20-24 Apollo Drive
Hallam, Victoria 3803

Italy

Via del Progresso, ang. Via del Lavoro
Loc. Prato della Corte
00065 Fiano Romano (RM)

B.V.

Castricummer Werf 26
1901 RW Castricum
The Netherlands

www.quantumrehab.com

www.pridemobility.com