



**Owner's Manual
Excel Quest Power Chair**

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1. Introduction

Before you use your new Excel Quest, you must fully read and understand this user manual. Once you have read this user manual, you agree to the conditions mentioned in this user manual. We want to thank you for the confidence in our Excel[®] products.

The policy of Excel is focussed on continuously improving the quality and reliability of our products. We therefore reserve the right without further notice to make any changes to this user manual.

It is important you read this user manual very carefully before you use your power chair. This user manual contains important information about the safe use and maintenance of your power chair. We recommend you keep this user manual safe because it is also your proof of warranty.

The safety instructions within this user manual are general guidelines, which must be seen as overall guidelines. It is possible that you develop your own way to make common movements. However, we always advise you to consult a professional for assistance in developing safe and effective techniques, regarding your daily activities within your physical capabilities, for using your product safely.

Your powerchair requires regular general maintenance to keep it in good condition and extend the life of your Excel product, most of which you can carry out yourself. We advise you to take your power chair to a professional for a service at least once a year. You will find a maintenance schedule further on in this user manual.

Attention!

The symbols below are used in the owner's manual and/or on the product to identify warnings and to notify you of important safety information. Make sure you read and understand them completely.



WARNING! Indicate(s) a hazardous situation which, if not avoided, could result in death or serious injury. This icon is represented as a black symbol on a yellow triangle with a black border.



MANDATORY! Failure to perform mandatory actions can cause personal injury and/or equipment damage. This icon is represented as a white symbol on a blue dot with a white border.



PROHIBITED! Indicate(s) an action(s) that should not be performed under any circumstance. Failure to adhere can cause personal injury and/or equipment damage. This icon is represented as a black symbol with a red circle and red slash.

1.1 Enter Your Authorised Dealer Information

Company Name:

Dealer Address:

Telephone Number:

Email Address:

Website Address:

2. Product Identification

Your powerchair is equipped with a frame label, which is located on the frame of your power chair.

The frame label contains information about your power chair, for example the product name, manufacturer name, the name of the authorised representative(s), Unique Device Identifier (UDI) and technical data of your power chair. Below are examples of frame labels for illustration purposes. The information on the frame label of your power chair scooter corresponds to your specific product.

Van Os Medical UK Limited is the importer of this product for the UK. This product is manufactured by Quality Life Technologies Co. Limited, who are represented in the United Kingdom by WELKANG UK LTD. The manufacturer product code is QR0945A.

Excel Quest (QR0945A)
Powerchair for indoor and outdoor use

REF 09450000

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523447 China

 **IMPORTER FOR UK:**
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UKRP WELKANG UK LTD
16 Castle Street,
Kent, Dover,
CT16 1PW
United Kingdom

UDI

 22-07-2021  22-07-2025

LOT + **SN**


* 1 2 3 4 0 1 2 3 *


* 0 1 0 4 8 9 7 1 1 9 8 9 0 0 2 0 1 1 2 1 0 7 2 2 1 7 2 5 0 7 2 2 1 0 1 2 3 4 2 1 0 1 2 3 *

3. Operating Instructions and Safety Warnings

BEFORE getting on your Excel Quest

Check to be certain that the power is turned OFF. This will eliminate the possibility of accidentally activating the joystick and causing injury to you or to others.

- Check to be certain that your Excel Quest is not in the freewheel mode.
- Flip up the armrests.
- Flip up the footrest.



WARNING

Never stand on the footrest when getting on or off your Excel Quest. This action can result in a loss of balance and/or an injury.

Getting ON your Excel Quest

- Carefully seat yourself comfortably and securely on the seat.
- Flip down the footrest.
- Flip down the armrests.
- Fasten the seat belt if your chair is equipped with one.

Getting OFF your Excel Quest

- Make certain that the power is turned off.
- Unfasten the seat belt if your chair is equipped with one.
- Flip up the armrests.
- Flip up the footrest.
- Carefully stand and step away from the chair.

MAXIMUM WEIGHT

Your Excel Quest has been rated to a maximum payload (passenger and anything else being carried on the power chair) of 135kg (21 stones). Exceeding the maximum weight rating will void your warranty.



WARNING

Exceeding the maximum weight capacity will void your warranty and may result in injury to yourself and/or others.

DRIVING ON AN INCLINE

- Drive with **caution** when attempting to negotiate any incline, even access ramps.
- Try to keep your Excel Quest **moving** when climbing an incline. If you do come to a stop, restart, and accelerate slowly and carefully.



WARNING

- **Always** climb or descend a gradient by driving straight up or straight down the face of the slope.
- **Do not** traverse or drive across the face of a gradient.
- **Do not** attempt to negotiate an incline that is covered with snow, ice, cut or wet grass, leaves, or any other potentially hazardous material.
- **Do not** backwards down an incline.
- **Do not** try to descend or climb a slope whose gradient is greater than the recommended maximum incline of **6 degrees**.



WARNING If, while you are driving down a slope, your power chair starts to move faster than you feel is safe, release the joystick lever and allow your Excel Quest to come to a stop. When you feel that you again have control of your power chair, push the joystick lever forward and continue safely down the remainder of the slope.

MEDICATION

Always check with your physician to determine if any of the medications you are taking may affect your judgment and/or your ability to operate your Excel Quest. Also check with your physician concerning your physical ability to operate a power chair.



WARNING

- **Do not** attempt to use your Excel Quest on an escalator. Always use an elevator.
- **Do not** carry passengers on your power chair.
- **Do not** operate your Excel Quest, if it is not functioning properly.
- Use **caution** when driving on soft or uneven surfaces such as grass, gravel and on decks where there is no railing.
- **Never** drive on the roadway, except when you must cross the street.
- **Always** cross streets at intersections and use the most direct route, making sure that your path is clear and that you are visible to motor traffic.
- It is **not recommended** to drive your Excel Quest, up or down a step or curb that is higher than 5cm.
- **Never** back up or down a step or curb.
- **Never** operate your Excel Quest, while you are under the influence of alcohol.
- **Do not** operate or store your power chair where it will be exposed to rain, snow, mist, or below-freezing temperatures.
- **Do not** operate your power chair on slippery, icy, or gritted surfaces.
- **Never** sit on your power chair when it is in freewheel mode and on an incline or decline.
- **Do not** modify your power chair in any way.
- **Do not** disassemble the tyre. If disassembly is required, contact your dealer.
- **Do not** attempt to inflate the tyres of your Excel Quest. Your power chair is equipped with foam-filled puncture proof tyres that do not require inflation.
- **Never** sit on your Excel Quest when it is being transported.
- **Always** fasten down your Excel Quest securely whilst transporting your power chair.
- Use **caution** when operating your Excel Quest while wearing long baggie clothing or clothing with loose belts, which could become entangled in the wheels of the power chair.
- **Always** keep your feet firmly on the footplate surface when operating your Excel Quest to eliminate any potential of your feet becoming entangled in the wheels of the power chair.
- **Do not** smoke while seated in and/or operating your Excel Quest.

Please be sure to follow these important safety warnings.



WARNING Never transfer on or off this power chair using the seat backrest for support during transfer. The seat back may fold down and may cause you to lose your balance and could result in personal INJURY.

Do not modify your power chair in any way.



WARNING Do not connect or allow anyone except your dealer to connect any electrical or mechanical device to your Excel Quest.

Please be sure to follow this important warning if you encounter a problem with your Excel Quest.



WARNING Should you encounter a problem with the operation of your Excel Quest such as a mechanical or electrical problem immediately stop using the product. Disconnect the batteries then contact your dealer from whom you purchased your Excel Quest for evaluation of the problem and repair if needed.

4. Assembly

Please follow the instructions below to assemble the power chair quickly and easily for your use.

NOTICE

Tools are not required for assembly. If you do not feel capable of safely assembling your power chair, please contact your dealer.



WARNING

Never use your Excel Quest's wheels or arm assemblies as a handle. The wheels may rotate and/or the arms may pull out of the seat, which can cause an injury and/or damage to the power chair.

Main Components

1. Base Unit (Front Section and Drivetrain)
2. Drivetrain
3. Battery Pack
4. Seat Assembly
5. Joystick
6. Foot Plate



1. Line up the frame and the drivetrain. See figure 1.



WARNING! WATCH FINGER PLACEMENT! BE CAREFUL NOT TO PINCH YOUR FINGERS!

2. Lower the frame onto the drivetrain until the drivetrain release lever engages. You should hear an audible click. See figure 2.

3. Gently lower the battery pack onto the frame. See figure 3.



Figure 1



Figure 2



Figure 3



WARNING

For individual component weights, refer to the “Technical Specifications” section in this manual.

Please ask for help if you do not feel capable of safely lifting that much weight.

Seat Installation

1. Fold the seat backrest down.
2. Grasp the seat firmly on each side, lift the seat and align the seat pin with the hole in the seat post receiver. See figure 4.



WARNING Refer to the “Technical Specifications” section in this manual for the seat weight. Removal of arms will reduce the weight of the seat. Please ask for help if you do not feel capable of safely lifting that much weight.



Figure 4

3. Insert the seat into the seat post.
4. Push down on the seat to lock into place. Move the seat from side to side to make sure it is locked into place.

NOTICE

To rotate your seat, pull up on the seat rotation lever and rotate the seat to the desired position. Release the handle to lock the seat in position.



WARNING Make sure the seat is correctly installed and locked before using your power chair.



WARNING Never pull on the arms or use them as a handle to move the power chair as they could inadvertently pull out of the receiver bar causing injury.

Arm Installation

1. Loosen the arm width adjustment screw from the arm receiver tube at the bottom rear of the seat frame. See figure 5.
2. Insert the arm into the arm receiver tube, so that the arm pad faces toward the front of the unit.
3. Adjust the width of the arm.
4. Tighten the arm width adjustment screw to secure the arm in place.
5. Repeat steps 1 – 4 for the opposite side.



Figure 5

Joystick Installation

1. Loosen the joystick adjustment screw located under the armrest. See figure 6.
2. Insert the joystick mounting tube into the joystick bracket under the armrest.
3. Adjust the position of the joystick to a comfortable spot.
4. Tighten the joystick adjustment screw to secure the joystick.
5. Connect the joystick cable and secure it by placing it into the Cable tie on the side of the arm assembly.



Figure 6

NOTICE

The joystick can be installed on the left or right arm according to your preference.



WARNING

Make sure that the joystick cable is securely attached to the unit and that the cable is not able to trail on the ground or become entangled on any surrounding objects while the unit is in use.

5. Disassembly

To disassemble your Excel Quest, follow the instructions listed below.



WARNING

- ◆ Make certain that the controller power is turned off and that the chair is NOT in freewheel mode before attempting to perform disassembly.
- ◆ **Never use your Excel Quest’s wheels or arm assemblies as a handle. The wheels may rotate and/or the arms may pull out of the seat, which can cause an injury and/or damage to the power chair.**
- ◆ **Refer to the “Technical Specifications” section in this manual for the battery pack weight. Please get help if you do not feel capable of safely lifting that much weight.**

Disassembly

1. Disconnect the joystick cable from the power module cable. **Note:** The joystick can be removed to reduce weight.
2. Fold the seat back down. **Note:** Seat arms can be removed to reduce weight.
3. Grasp the seat firmly on each side and lift to remove.
4. Remove the battery pack by pulling up on the handle.
5. Grasp the frame and locking handle; lift the handle to unlock and lift the frame up and off the drive train. See figure 7. **Note:** To reassemble the power chair, simply reverse the process.



Figure 7



Excel Quest Shown Disassembled

Battery Replacement

Should your batteries need replacement, please contact your dealer. Battery replacement requires disassembly of the battery pack and must be performed by a qualified technician.



MANDATORY! Use only AGM or GEL-cell batteries.



6. Comfort Settings

You may be spending a great deal of time on your Excel Quest. To provide you with the maximum seating comfort, we have designed this power chair to incorporate the following adjustments for operator comfort: -

COMFORT SETTINGS

- | | | |
|-------------------|----------------------------|----------------------|
| 1. Seat Height | 2. Arm Width | 3. Armrest Angle |
| 4. Footrest Angle | 5. Joystick Bracket Length | 6. Joystick Position |



WARNING

Make certain that the power to your Excel Quest is turned off before making any adjustments, to eliminate the risk of the joystick being accidentally bumped and activating the power chair.

Seat Height Adjustment

The seat is a centre post design that is easily adjusted for height. See figure 8. To adjust the height to a comfortable level:

1. Remove the seat.
2. Remove the battery pack.
3. Loosen and remove the bolt and lock nut, noting their placement.
4. Set the seat post to one of the two adjustment positions.
5. Reinsert the bolt and lock nut in the same order you remove them and tighten securely.



Figure 8

Arm Width Adjustment

1. Loosen one of the adjustment screws at the rear of the seat. See figure 9.
2. Slide the arm in or out to the desired width.
3. Tighten the adjustment screw to secure the arm.
4. Repeat steps 1-3 to adjust the opposite arm.

Note: The backrest can be folded down to minimise chair height during transport.



Figure 9

Armrest Angle Adjustment

1. Lift armrest up. See figure 10.



WARNING! WATCH FINGER PLACEMENT! BE CAREFUL NOT TO PINCH YOUR FINGERS!

2. Turn the adjustment bolt to raise or lower the armrest-angle. Turn until desired angle is reached. Repeat for opposite armrest.



Figure 10

Footrest Angle Adjustment

1. Fold the footrest upward for easy access to the angle adjustment bolt. See figure 11.
2. Use an Allen wrench to turn the adjustment bolt. Turning the adjustment bolt anti-clockwise will decrease the footrest angle. Turning the adjustment bolt clockwise will increase the footrest angle. Turn until desired angle is reached.

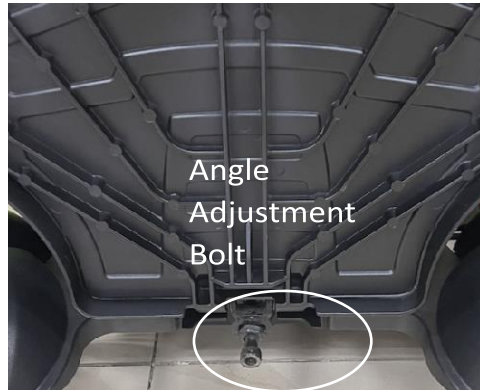


Figure 11

Joystick Bracket Length Adjustment

1. Loosen the adjustment screw. See figure 12.
2. Slide the joystick holder in or out to the desired position.
3. Tighten the adjustment screw.



Figure 12

Joystick Position right to left side

1. Loosen the joystick adjustment screw. See figure 13.
2. Slide the joystick mount forward and remove the joystick.
3. Reposition the joystick and joystick cable to the opposite side of the power chair.
4. Flip up the armrest.
5. Use an Allen wrench to remove the two bolts connecting the joystick bracket to the armrest. See figure 13.
6. Remove the two bolts in the opposite armrest. See figure 13.
7. Place the joystick bracket on the opposite armrest; align the two bolts with the two holes in the armrest, and tighten to secure the bracket to the armrest.
8. Insert the joystick mount into the joystick bracket and adjust to a comfortable position.
9. Tighten the joystick adjustment screw to secure the joystick.
10. Reinsert the two bolts removed in step 6 and tighten for future use.

NOTICE

If you do not feel capable of safely making any of these adjustments, please contact your dealer for assistance.

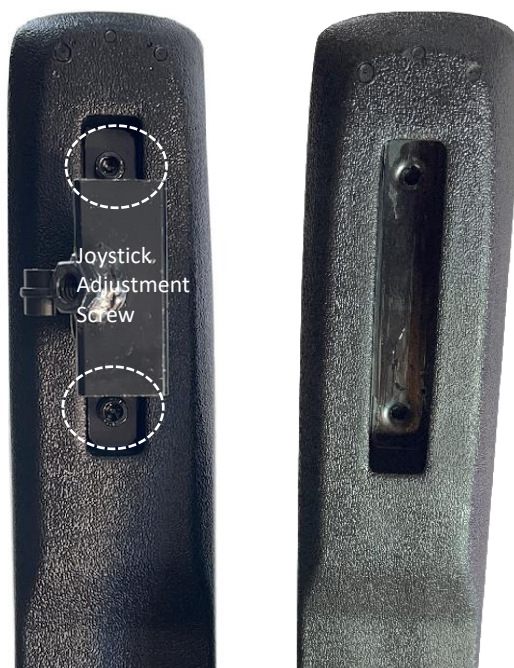


Figure 13

Seat Backrest Angle Adjustment

The seat is designed with backrest angle adjustable for 0 degree and 90 to 115 degrees adjustments.

1. The backrest can be folded down to minimise chair height during transport.
2. Lift the lever under the seat on the left-side of the seat to adjust the angle of the seat back.
3. Release the lever when the backrest is adjusted to the desired angle between 90 and 115 degrees.



WARNING

Lifting the backrest angle will cause the seat back to quickly move forward. Make sure you are clear of the seat back or hold the seat back with your opposite hand while making the seat back angle adjustment.



7. Operation

CAUTION Before turning on the power of your Excel Quest, take note of your environment and set your speed control accordingly. (See “The Speed Control Buttons” figure 14). For indoor driving, we recommend that you select the lowest speed setting. For outdoor driving, we recommend that you select a speed setting at which you feel comfortable, safe, and in control of your power chair. Familiarise yourself with the features of your Excel Quest described below and follow the instructions to safely operate your power chair.



Figure 14



WARNING The surface of the joystick can potentially get hot when it is exposed to strong sunlight for long periods.

DRIVING: Joystick Power On/Off Button



To turn on the power to your Excel Quest, press the power button. If the system is healthy, the Status indicator (through the Power Button) will light up green, and the Battery Gauge will display the current battery status.

Power Off

If there is a fault with the system when powering up, the status indicator will indicate a fault with a series of red flashes (see “Diagnostics” later in the manual). If the fault is one that prevents the power chair from driving, then the battery gauge will flash continuously.



To turn off the power to your Excel Quest, press the power button; the system will power down and the Status indicator will switch off.

Power On

NOTICE

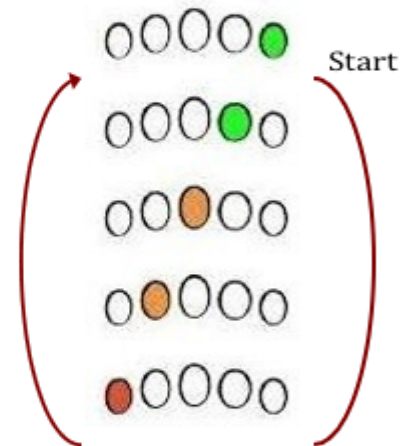
In the unlikely event that the power chair is in a runaway situation, press the power button to perform an EMERGENCY STOP.

Drive Inhibit Indication

Drive inhibit mode is indicated by the battery gauge with a right-to-left light sequence.

The light sequence starts with the green LED on the right-hand side, and one-by-one, each LED will switch on then off. When the sequence completes at the left-most red LED, it begins again at the right-hand side.

The light sequence continues until the error condition has been cleared.



Drive Inhibit Light Sequence

OONAPU

OONAPU (“**Out Of Neutral At Power Up**”) is a safety feature that prevents accidental movement of the wheelchair, either when powering up, or when the wheelchair comes out of an inhibit state.

If the LINX LE System is turned on (or comes out of an inhibit state) while the joystick is not in the center position, an OONAPU **warning** is displayed. During an OONAPU warning, the battery gauge LEDs will flash continually to alert the user, and the chair will not drive. If the joystick is returned to the centre position within five seconds, the warning will clear and the wheelchair will drive normally.

However, if the joystick remains out of neutral for longer than five seconds, an OONAPU **error** will occur; the error is displayed by the Status indicator flashing red, and the chair will not drive. To clear the error, return the joystick to the neutral position and power the unit off and then on again.

The Joystick

The joystick (see figure 14) controls the speed (up to the maximum limit set by the speed dial) and direction of your power chair.

Pushing the joystick away from the neutral (center) position will move your Excel Quest, in the direction that the joystick is pushed.

- ◆ The further forward or backward you push the joystick, the faster your power chair will go.

To operate your power chair, gently push the joystick in the direction in which you want to travel.

- ◆ Gentle operation of the joystick will provide you with smoother changes in speed and direction.
- ◆ Sharp or jerky operation of the joystick will result in quick and drastic changes in direction and speed.

NOTICE For your safety, the controller automatically sets the reverse speed, acceleration, and deceleration in proportion to the speed control setting.

NOTICE When you are not pushing on the joystick, or when you release the joystick, the joystick will automatically return to the neutral position, the chair will decelerate, as the electromagnetic brakes are applied, and come to a smooth stop.

Controlling Maximum Speed



Speed Dial

The speed dial allows you to limit the maximum speed of the power chair (that is, the speed when the joystick is fully deflected) to suit your preference and environment.

The dial offers 10 discrete steps between the lowest speed (dial set to the left) and the highest speed (dial set to the right).



Speed Symbol

As a visual reminder, a speed symbol (shown left) is positioned just above the speed dial to indicate the low and high positions of the speed dial.



Horn

The horn button is located below the power button. Press the horn button to sound the horn. The horn will sound for as long as the horn button is pressed.

The Battery Gauge

The battery gauge comprises five different LEDs (1 x RED, 2 x AMBER, 2 x GREEN), located above the horn button. The number of LEDs lit depends on the status of the battery, as shown.



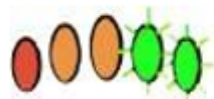
Battery Gauge

The battery gauge LEDs are also used to display charging information. Refer to “Battery Charging” later in this manual.

Normal Operation

Battery Gauge	Battery Level
	Fully charged
	Consider charging the battery
	<u>Battery needs charging</u>

High voltage warning



A high voltage warning is indicated by all LEDs on, and the green LEDs flashing. This occurs when the battery voltage level has risen above the high voltage warning set-point.

Low voltage warning



A low voltage warning is indicated with the left-most LED flashing. This occurs when the battery voltage level has dropped below its low voltage warning set-point. **Charge the batteries immediately.**

Cut-off voltage



When the battery voltage drops below the battery cut-off voltage:
The first (red) LED will flash on the battery gauge.
The status indicator (under the power button) will display a flash code 2.
The horn will sound once every 10 seconds.

8. Fault Diagnosis



If, when powered up, there is an error with the system, then the status indicator will flash red. The number of flashes will indicate the type of error. These are described in the table below.

Status Indicator

Flash Code	Description	
1	Remote / joystick error	Check <u>LiNX</u> connections and wiring.
2	Network or configuration error	Check <u>LiNX</u> connections and wiring.
3	Left motor error	Check the left motor connections and cabling.
4	Right motor error	Check the right motor connections and cabling.
5	Left brake error	Check the left park brake connections and cabling.
6	Right brake error	Check the right park brake connections and cabling.
7	Module error (other than Remote)	Check <u>LiNX</u> connections and wiring.

NOTICE

The LiNX modules are not user serviceable. Do not attempt to repair LiNX modules. Contact your dealer for assistance.

FREEWHEEL MODE

- ◆ To disengage the brakes and put your power chair in freewheel mode, push the freewheel levers down. See below.
- ◆ To re-engage the brakes and take your chair out of freewheel mode, pull the freewheel levers up. See below.



◆ THERMAL ROLLBACK

- ◆ Your Excel Quest is equipped with a safety system. A microprocessor monitors the operating temperatures of the controller. In the event of excessive heat occurring in the controller, the controller will decrease the speed of your chair. This is done to reduce the workload on the electrical system and allow the components to dissipate heat. The controller will automatically set the chair's speed back to full when the operating temperature returns to normal levels.

◆ THE MAIN CIRCUIT BREAKER

- ◆ The main circuit breaker is another safety feature incorporated into your Excel Quest. This device monitors the amount of current being drawn from the batteries when the chair is in use. When the motors are heavily strained and too high a current draw is being placed on the batteries, the main circuit breaker will trip and bring your chair to a stop. The main circuit breaker is located under the battery box handle.

◆ RESET BUTTON

- ◆ If the main circuit breaker trips, please wait for approximately 1 minute and then push the reset button to reset the main circuit breaker. See figure 16.

**◆ Figure 16****NOTICE**

Usually, the thermal rollback feature is more sensitive than the main circuit breaker. We recommend that you turn off the power to the chair and wait for five minutes when the chair suddenly loses speed or power. Doing so will allow the overheated electrical components to cool to their normal operating temperatures.

9. Charging the batteries



WARNING

You must use only the charger that is supplied with your Excel Quest. The use of any other charger on this power chair will void the warranty. Using unauthorised chargers may also result in severe damage to the batteries and/or damage to the chair. Using the wrong charger may also be a hazard.

OPERATIONAL RANGE

Depending on the user weight, terrain, and the driving conditions, the battery pack can provide up to 16 miles of operation on your Excel Quest.



WARNING! Corrosive chemicals contained inside battery. Explosive battery conditions exist.

WARNING! Charger surface can become HOT. Electrical hazard!

BATTERIES AND CHARGING

Battery maintenance is the most important part of maintaining your power chair. Keeping the batteries fully charged helps to extend battery life. Use the following guidelines to help keep your batteries in optimum condition.

IMPORTANT! New batteries **MUST** be fully charged prior to the initial use of your power chair.

Charge new batteries for 12 hours even if the battery gauge already shows a full charge. This is to condition your new batteries for maximum performance.

- For daily use, keep batteries fully charged. We recommend that you plug in the off-board charger after each use and charge 6-8 hours.

“For best results please charge your batteries overnight after every use.”

- If you are not going to use the power chair for more than a week, **fully charge** the batteries, then remove the battery pack from the power chair by pulling up on the handle.

NOTICE

Charging Guidelines Checklist to Maximize Battery Life

- ✓ Use only the automatic off-board charger supplied for all routine charging.
- ✓ Never use an automotive or wet type charger.
- ✓ Avoid deep discharges and never drain the batteries completely.
- ✓ Do not leave batteries in a low state of charge for extended periods. Charge a discharged battery as soon as possible.
- ✓ Fully recharge batteries regularly.
- ✓ Always store batteries fully charged.
- ✓ Check stored batteries once a month and recharge as necessary.

CHARGING THE BATTERIES

Your Excel Quest's charging system is designed for your safety and for your convenience. Follow the steps below to recharge the batteries.

1. Position your Excel Quest close to a standard wall electrical outlet.
2. Turn off the power on the joystick.
3. Insert the matching charger plug into the joystick's charger port that is located at the front of the joystick or alternatively into the battery pack. See figures 17 and 18.

*Alternate Charging Method



Figure 17



Figure 18

4. Insert the plug at the other end of the charger power cord into a standard electrical wall outlet. (Power to the charger indicated by a red LED).

NOTICE

Make sure the standard electrical wall outlet is not controlled by a light switch causing the charger to accidentally shut off when it is activated.

5. Disconnect the charger power cord from the wall outlet and then from the joystick's charger port or battery pack when the batteries are fully charged.

NOTICE

The batteries should be fully charged in eight hours. A full charge is indicated, when the charge LED turns green, and all 10 joystick LEDs are lit when the joystick is turned on.

Alternatively, you may charge the battery pack directly.

1. Remove the battery pack from the power chair.
2. Locate the charger port at the backside of the battery pack and swing the cover open.
3. Plug the charger into the battery pack charger port.
4. Insert the plug at the other end of the charger power cord into a standard electrical wall outlet.

Disconnect the charger power cord from the wall outlet and then from the battery pack charger port when the batteries are **fully charged**.

10. Product Maintenance

Your power chair requires a minimal amount of care and maintenance. If you do not feel confident in your ability to perform the maintenance listed below, you can schedule an inspection and maintenance with your provider.

- ✓ Make sure your batteries are fully charged daily. See “Battery Charging”.
- ✓ While turned off, check the joystick control daily for damage, and make sure it returns to the neutral position. If any defects are observed, contact your provider. **Do not attempt to repair it yourself, contact your dealer!**
- ✓ Inspect the seating system, armrests, footplate, and front riggings daily for loose hardware, excessive wear, or damage. If any defects are observed, contact your dealer.
- ✓ Regularly inspect your power chair’s tyres for signs of wear.
- ✓ Regularly inspect all exposed harnessing and connections for wear, damage, and corrosion. Have your dealer repair or replace any damaged harness or connector.
- ✓ Keep all the electrical components (charger, joystick control, and electronics) free from moisture. If any of these items do become exposed to moisture, let them dry thoroughly before attempting to operate your power chair again.
- ✓ Periodically check all fasteners for tightness, wear, and corrosion. If any of these are present, turn off the power chair and contact your provider.



WARNING Be careful of pinch points and sharp metal parts (wear gloves).

- ✓ All wheel bearings are permanently lubricated and sealed. No additional lubrication is required.

CLEANING

Body: Clean the body of your power chair with a damp cloth. Use a cool water mixed with a mild soap to remove dirt and oils. Dry with a clean, soft cloth. Buff by hand with a soft cloth.



WARNING Do not use free-flowing water to clean your Excel Quest.

Tyres: Clean the tyres with ordinary kitchen-type cleaners and a damp cloth. Do not use solvents on the tyres. Solvents can cause the tyre material to break down or become too soft.

Vinyl Seat

Clean with a mild soap or mild detergent and a damp cloth. A vinyl cleaner may also be used.

11. Specification

Specification	Details
Model Number	QR0945A
Weight capacity	300 lbs / 136kg.
Drive Wheels	Rear
Maximum speed	4 mph
Operating Range	16 miles
Ground Clearance	5 cm
Turning Radius	73 cm

Specification	Details
Type Batteries	2 x 18 AH
Colours	Red, Blue, Orange, Green, Silver, Yellow
Freewheel Mode	Yes
Electronic Speed Control	Yes
Electro-Mechanical Brakes	Yes
Charger	Off Board
Controller	40 Amp Remote
Length	82 cm
Width	56 cm
Height (ground to top of back of seat)	100 cm - 105 cm
Ground to top of Seat	54 cm - 59 cm
Number of Seat Height Adjustments	3
Size of Increments	2.5 cm
Weight of Unit: (assembled)	57.6 kg
Front Half	11.4 kg
Rear Half	17.5 kg
Seat with Arms	15.7 kg
Batteries	13 kg
Tyres:	Flat Free
Rear Wheels	9"
Front Castors	6"
Rear Anti-Tip Wheels	2"
Seat	Deluxe high back stadium seat
Backrest Height	20"
Width x Depth	18" x 17"
Back Angle Adjustable	90 - 115 degrees
Color	Black Vinyl
Angle adjustable Footrest	Yes

Notes:

A series of horizontal dotted lines intended for taking notes.



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