Instruction Manual

Electric Wheelchair

- EWCS1
- EWCS1M

Infinity

Contents

Introduction

01 Safety Instructions 01

02 Installation Guide 02-04

03 Usage Operation 05-08

04 Electric Operation / Manual Push Mode 09

Safety Instructions

Emergency Power-Off

Immediately switch off the power supply if any of the following occur:

1. Unexpected or sudden movement
2. Loss of directional control
3. Brake failure

Safety Instructions

For safe operation of your electric wheelchair, do not:

- Carry passengers.
- Operate under the influence of alcohol.
- Tailgate other vehicles.
- Exceed the maximum safe climbing angle.
- Use the joystick erratically on inclines or declines.
- Exceed the maximum user weight capacity.
- Press the power button while moving, as this may damage the electromagnetic brakes or joystick controller.
- Travel on soft or unstable terrain.
- Change direction or reverse before the electric wheelchair has come to a complete stop.

Always:

- Use a slow speed when travelling downhill (return the joystick to the central position).
- Wear the safety belt.
- Keep feet on the footrest while moving.
- Ensure the batteries are fully charged before each journey.
- Charge the wheelchair in a well-ventilated area.

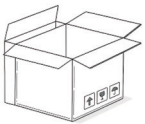
Reminder: When operating an electric wheelchair, the driver must obey all road rules and regulations.

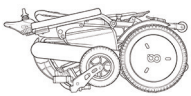
Installation Guide

01 Joystick Controller	04 Side Bag	07 Damping Spring
02 Fully Enclosed Sponge Handrail	05 Thickened Breathable Cushion	08 Aluminum Alloy Pedal
03 Liftable Armrest	06 Removable Battery	09 Motor with Mechanism

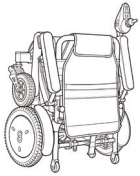
Installation Procedure

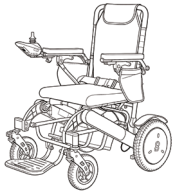
1. Take out the wheelchair and spare parts from the packaging box.





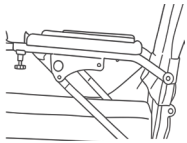
2. With one hand, grasp the push handle tube, and with the other hand, grasp the seat cushion frame and pull outwards. Fasten the locking buckle (place the U-shaped buckle onto the locking buckle, then firmly push the wrench down).





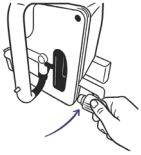
3. Install the controller to the right hand armrest of the driver. (Fitted to the right armrest as standard). For left armrest installation, please consult your supplier.

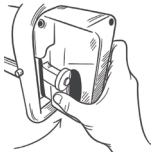
4. Lock the armrest by pressing it down firmly, then turn the small side lever upwards to secure it in place.
Note: The button may have two operating modes depending on the armrest position.



Remove The Battery

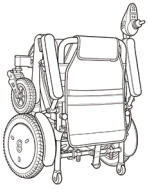
Hold down the locking catch to disengage the battery from the frame and pull out the battery compartment.

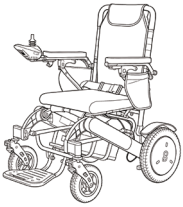




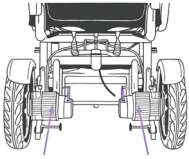
Unfolding Procedure

1. With one hand, grasp the push handle tube, and with the other hand, grasp the seat cushion frame and pull outwards.



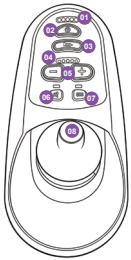


2. Place the U-shaped buckle onto the locking buckle, then firmly push the wrench down.



Usage Operation

Control Panel



01 Battery Gauge
02 On/Off Button
03 Horn Button
04 Speed Indication
05 Speed Mode
06 Mute Button
07 SOS
08 Joystick

The joystick is an essential electronic component. It is typically mounted on the armrest and connected to the power box, motor, and battery.

Speed Indication

This display indicates the wheelchair setting. With a total of five settings, S1 is the lowest speed, and S5 is the highest.

Joystick

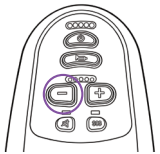
The main function of the joystick is to control the speed and direction of the wheelchair. The further the joystick is moved from a central position, the faster the wheelchair runs. When you release the joystick, the wheelchair automatically brakes.

Remote Connection

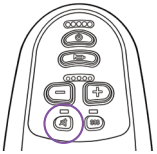
1. Press the power button of the power wheelchair and turn it on.

2. Press the power of the remote controller for 5 seconds (Make sure that two AAA batteries have been installed).

3. Press the deceleration button on the joystick until the middle light turns on.



4. Press the horn button to automatically match.

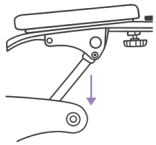


5. Press the down arrow button until the power button on the remote controller stops flashing, indicating that it has entered the pairing (matching) mode.

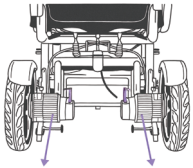
6. When the joystick light turns off, it means the matching process is complete.

Folding Procedure

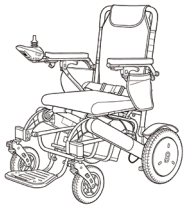
1. Pull the small lever beneath the left and right armrests downward to release them.



2. Release the rear lock by lowering the U-shaped latch.



3. Hold the push frame with one hand and the seat frame with the other, then apply force with both hands until the wheelchair is fully folded.



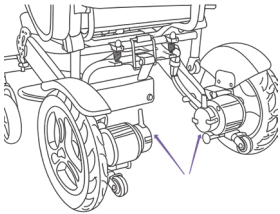
Electric Operation / Manual Push Mode

Manual Mode

By pushing the red handle to switch to manual mode, the wheelchair can be moved easily, but the electric drive will be disabled.

Electric Mode

Turn on the wheelchair controller to switch to electric mode, enabling powered operation (cannot be pushed manually in this mode).



LEGAL STATEMENT

This manual and its contents are protected under the Copyright Act 1968 (Cth). No part of this publication may be reproduced, distributed, modified, stored in a retrieval system, or transmitted in any form or by any means without the prior written permission of FRG Pty Ltd. Unauthorized use is strictly prohibited.

© 2026 FRG Pty Ltd. All rights reserved.

Infinity

https://sectorcare.com.au