

IQ-8000 Auto Reclining User Manual / Warranty





Table of Contents

Preface	2
Product Performance	3
Safety Instructions	5
Usage and Operation	9
Battery and Charger	14
System Diagnostics	17
Controller	19
Maintenance Areas	23
Reclining	25
Headrest	27
Headlight	28
Tech Support	29
Warranty	30

A detailed video explanation for the **Usage and Operations** and **Remote Pairing** can be found by visiting our Youtube Channel. This information is found on page 9.

For all of your spare parts needs, please visit www.ComfyGoMobility.com

Don't forget to register your product, detailed information can be found on page 29.

If you need technical support please contact our customer support team. Detailed information is on the back of the user manual and is found on page 29.



Preface



- This manual contains the operation, assembly methods, and possible solutions should a mechanical issue arise. The manual applies to our model: IQ-8000
- This manual contains both wheelchair maintenance tips and troubleshooting methods so please store it where you can access it as required. If you elect to permit someone else to use your wheelchair, please provide this manual for their reference.
- The annotations and illustrations in this manual may vary slightly from your actual model because we continuously improve and upgrade our components and design.
- If you are uncertain about any operational process, please contact your dealer immediately to clarify.
- Improper use of this vehicle may lead to injury. Riding without paying attention to dangerous conditions, could harm you as well as others.
- This electric wheelchair is intended to comfortably transport persons with walking difficulties or without the ability to walk.
- This electric wheelchair is designed to transport only one person.



Follow the instructions next to his symbol closely.

Please pay attention to these instructions, otherwise, it may result in physical harm or damage to the user, wheelchair, or the environment.





1. Product Performance

- This series of electric wheelchairs are powered by Li-ion batteries and use DC motors. Users can control direction and adjust speed by using the joystick controls located on the arm. This wheelchair should be used at low speeds, good road conditions, and can handle a low slope.

Performance Parameters and Technical Specs, IQ-8000 AR

Overall size 38.5" x 23.5" x 37.5" (980x600x950mm) Fold size 31.5" x 23.5" x 16" (800x600x400mm)

Seat size 17.5" x 18" (445x460mm)

Net Weight 61.5 lbs (28kgs)

Speed (0.62 mph - 3.7 mph (1 - 6km/h) Max 4 mph

Seat height 18.5" (460mm)

Armrest height 11" (290mm)

Backrest height 18.5" (460mm)

Max loading weight 286 lbs (130 kgs)

Front wheel diameter 8 inch (200 mm)

Front wheel diameter 8 inch (200 mm) Rear wheel diameter 12 inch (300 mm)

Battery 12AH Li-ion / 20 AH Li-ion

Motor x 2 PCs DC 24V / 250W X2

Battery charge 100 - 240V, 50Hz, 1.5-5A

Control 24V 50A

Max distance* 10 miles (16 km) / 16 miles (25 km)

Degree of protection IPX3
Max safe slope 10°

Turning radius ≤47 inches (≤1.2m)

Static stability 9°

Reversing width ≤59 inches (≤1.5m)

Climbing angle 6°

Tire pressure 2 kg f/m²

Obstacle climbing 2 inches (50mm)



^{*} varies based on weight, incline, speed factors

1. Product Performance



Application Range

This electric wheelchair is engineered specifically to serve disabled or elderly people weighing less than 130 kg (286 lbs.), intended for use for operation at walking speed. Please do not use this unit on motorways.



People with the following conditions should not operate this vehicle:

- Unresponsive upper limbs
- Suffering from senility or dementia
- Unable to take care of themselves
- Use restricted by a medical professional





2.1 Main Security Features

- Classified based on the type of protection: Against electric shock, Internal power.
- Classified based on the type of protection: Against electric shock, Type B application.
- Classified based on the degree of inlet liquid protection: IPX
- Classified based on the safe use of in a flammable anesthetic mixture with air or gas mixed with oxygen or nitrous oxide flammable a esthetic gases occurs: Non-AP/APG type.
- Classified based on operation mode: Continuous operation.
- Rating voltage: DC 24V.
- Have no protective effect on the application of defibrillator discharge section.
- No signal output or input part.
- Safety of any non-permanent equipment installed.

2.2 Riding Notice General Riding Cautions

- Keep your hands on the armrest in order to fully be able to control the wheelchair.
- We recommend practicing at parks or other safe and open places until you are confident in using your wheelchair skillfully. Be sure to practice moving forward, stopping and turning in circles.
- Before riding on any roads, be sure to have caregivers with you and be sure to ride safely at all times.
- Follow all pedestrian traffic rules, the wheelchair is not considered an automobile.
- Stay on the sidewalk and the zebra crossings. Do not ride in vehicle lanes.
- Ride at a steady speed, avoid sharp turns and zig zagging.
- Please maintain proper tire pressure, the lower or higher than recommended pressure may cause unsafe use or excessive loss of speed.





Avoid Riding in These Conditions Unless Accompanied by a Caretaker

- Riding in inclement weather, such as a rainy day, heavy fog, strong wind, snow, etc.
- If your wheelchair gets wet, electronic functions may cause damage so please wipe all water off immediately.
- Riding in sub optimal conditions such as muddy areas, trails, sand, gravel, etc.
- Riding on crowed roads.
- Riding on roads without a fence, or located near a ditch, pond, etc.
- If you must cross railroad tracks, turn off your wheelchair and inspect the tracks to ensure that your tires will safely cross.
- The electric wheelchair is for personal use only, please do not carry people or goods.

Precautions for Uphill and Downhill

- Avoid riding on steep hills, places with uneven roads, high steps, channels and any other steep incline surfaces
- Avoid riding on steep slopes, the slope range should be less than 9 degrees.
- Please carefully operate the controller during any uphill use.
- Keep moving forward during uphill climbs, or downhill slopes and do not stop.
- Use your brakes to reduce your speed during any downhill movement.
- Avoid riding sideways on a steep include..
- Riding on stairs is not recommended and please avoid crossing any high steps.
- Avoid crossing wide ditches.
- During the crossing of a ditch, keep a 90° angle between the tires and the ditch.
- Do not set the wheelchair to manual mode during any uphill and/or downhill move.
- If the wheelchair is malfunctioning at traffic crossing, please immediately ask a passerby for help. Also, set the wheelchair to manual mode and push the wheelchair to leave the scene.





Precautions for Caregivers

- Caregivers should confirm that the users' feet are placed on the footrests' proper position and ensure that clothes are not attached to the wheels.
- Caregivers should push the wheelchair forward on a steep or long slope.

2.3 Other Important Notices Repair and Refit

- If your wheelchair requires a repair or a refit, please contact your seller or service department. Do not attempt to modify your wheelchair by yourself as this may cause an accident or a wheelchair malfunction.
- Do not add weight, other than the approved accessories to this chair, as this may cause an imbalance and impact the wheelchairs function. Keep Your Wheelchair Dry at All Times
- Do not store or use your wheelchair in wet places. If the wheelchair gets wet, please dry it immediately.

Pushing Someone Else in the Wheelchair

- When someone is sitting on the wheelchair, you must make sure to only use it if the clutch is in manual mode and not in electric mode.

2.4 Service Life

- The service life of this product is 5 years after the date of production. Please use the product within the limited period. In order to avoid accidents, it is not recommended to use it beyond the recommended period. To find the manufacture date of your wheelchair, please see the label located on your unit.





2.5 Electromagnetic Compatibility

- The wheelchair should be kept away from strong magnetic fields and large inductive electrical equipment, such as radio or TV stations, underground radio stations, or cell phone transmitting radio stations. If there are sources of electromagnetic interference nearby, please stay as far as possible from those sources to avoid electromagnetic interference as your electric wheelchair should avoid electromagnetic interference.

Note:

- This electric wheelchair meets the electromagnetic compatibility requirements of the YY0505 standard.
- Always install and use the electric wheelchair based on the electromagnetic compatibility information provided.
- Portable and mobile RF communication devices will affect performance of the electric wheelchair. Therefore, please avoid using near a strong electromagnetic disturbance such as a mobile phone or microwave.
- Please refer to the attachment for the notice and manufacturer's statement.
- Cut-off voltage for the battery is 23V.
- This electric wheelchair is a D class in GB/T 18029.21-2012, a wheelchair with electronic differential steering and manual brake.

2.6 Compatibility with Other Devices

- Electric wheelchairs should not be used together in conjunction with any other devices. If you need to connect a device to it, please contact us so that we may confirm that the wheelchair will not be adversely affected.

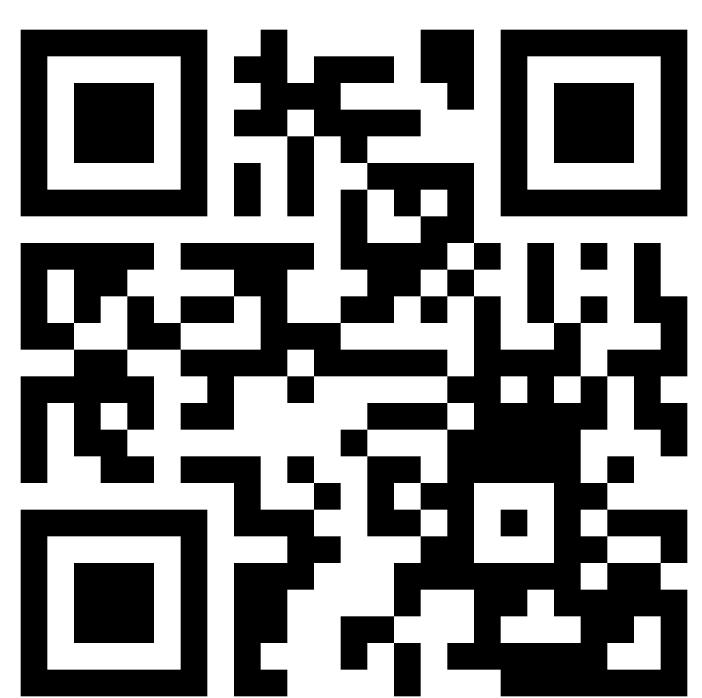


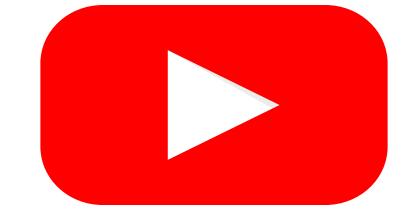


Please visit YouTube for a detailed Usage and Operations explanation. Simply search "ComfyGo Mobility Lightweight Foldable Electric Wheelchair (Model # IQ8000)" on YouTube or scan the QR code with your smartphone's camera.



Please visit YouTube for a detailed Remote Control Pairing explanation. Simply search "ComfyGO Mobility Electric Wheelchair Remote Pairing" on YouTube or scan the QR code with your smartphone's camera.





www.youtube.com/c/ComfyGO



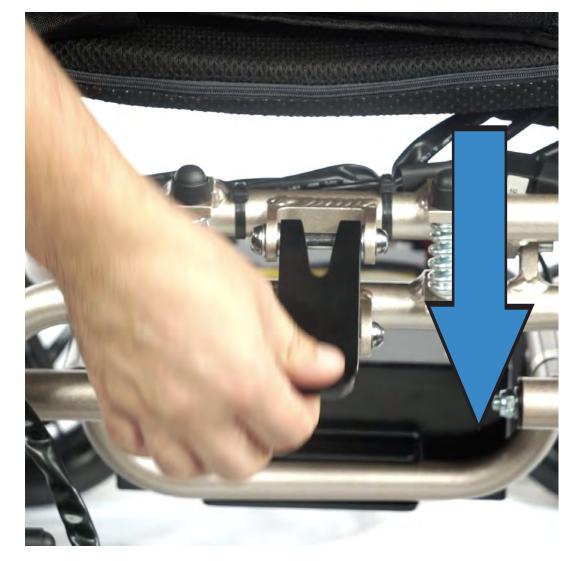


3.1 Wheelchair Adjustments Unfolding Your Wheelchair

Hold the backrest with one hand and use your other hand to hold the seat and unfold the chair (Picture 1).



Picture 1



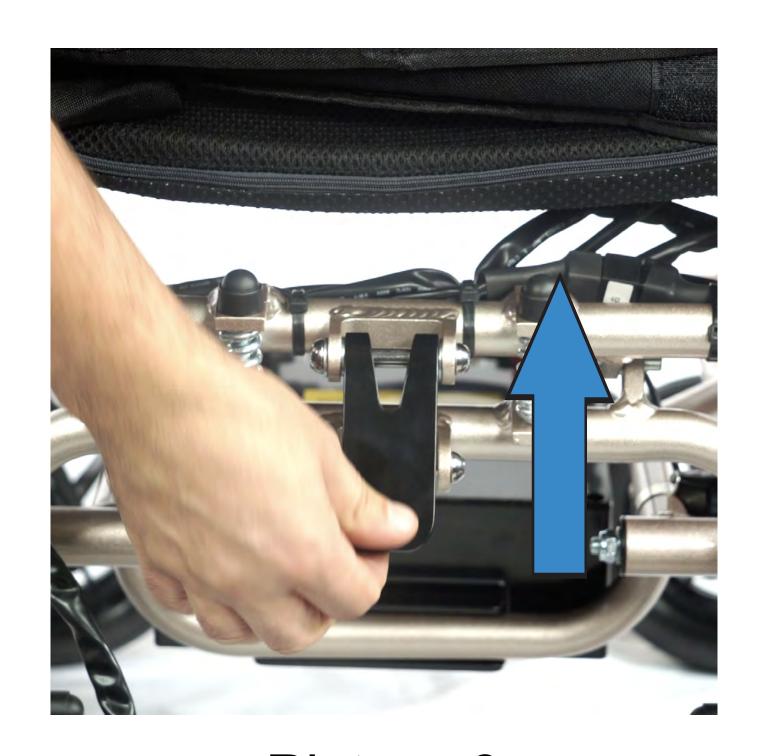
Picture 2

Fully unfold the wheelchair, and then fasten the lock located under the backrest (Picture 2).

Before use, please make sure that the lock is well secured, otherwise it will fold when riding.

Folding Your Wheelchair

Loosen the lock (Picture 3), using one hand, hold the backrest, and using your other hand pull the seat and fold it (Picture 4).



Picture 3



Picture 4





Installing the Controller

Insert the controller into the armrest tube. Keep the controller in horizontal position (Picture 5). Then lock the screw (Picture 6).

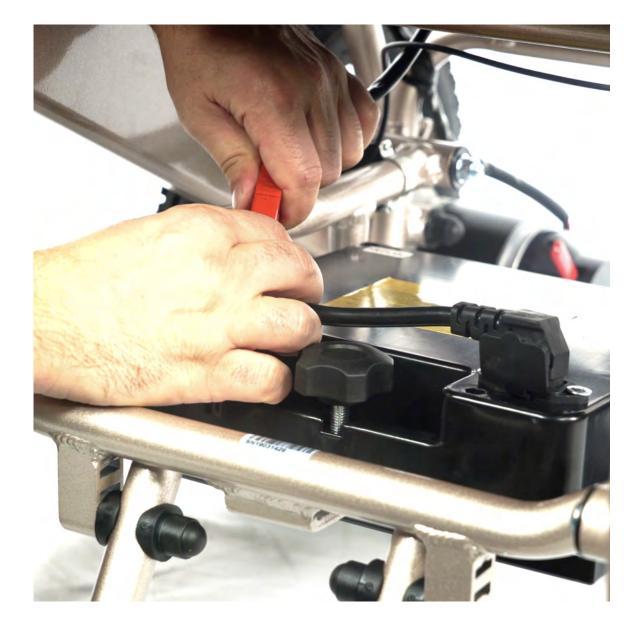


Picture 5

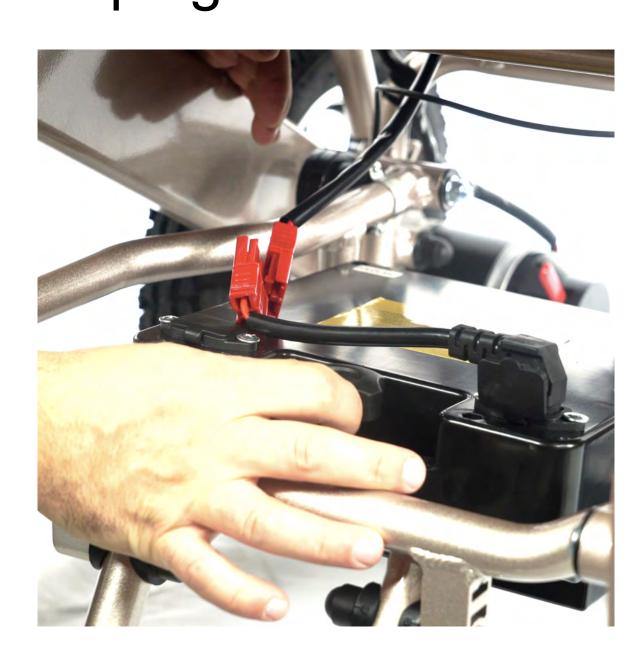


Picture 6

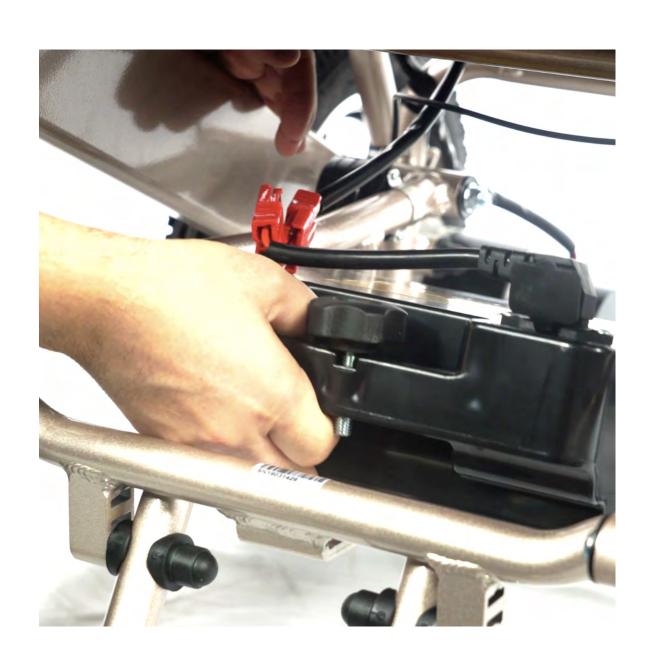
Dismantle the battery by first disconnecting the battery plug and the controller plug (Picture 7), and then loosening the screw on the battery case (Picture 8). Install the battery by putting the battery groove in the back tube (Picture 9), loosen the screw. Then connect the battery plug with controller plug.



Picture 7



Picture 8



Picture 9





Footplate

The footplate can be pulled up or down.

Install and Dismantle the Anti-tipper

Press the button to install/dismantle the anti-tipper (Picture 10-11).



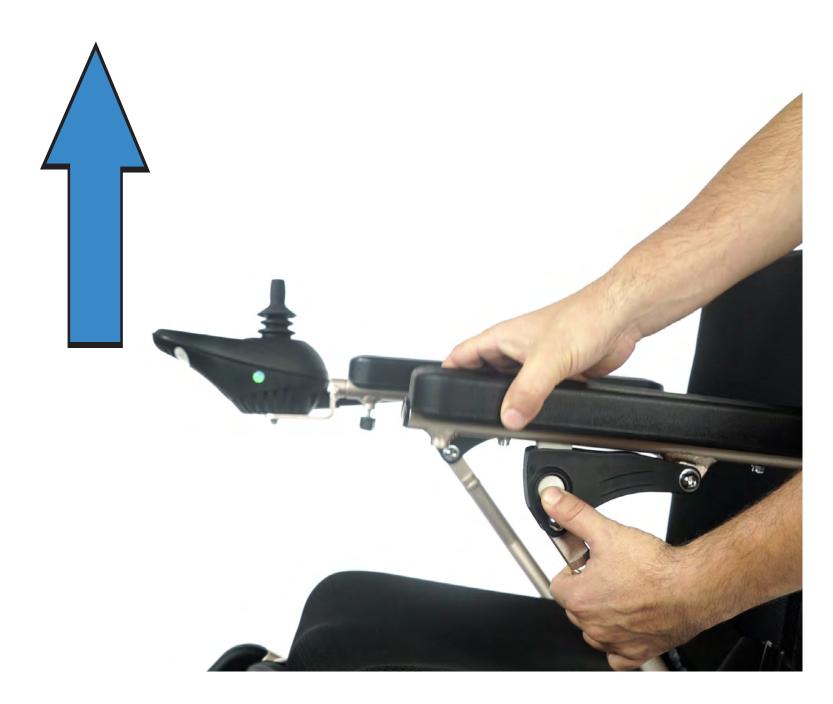
Picture 10



Picture 11

Flipping-up Your Armrest

Using one hand, press the armrest button, using the other hand, flip up your armrest (Picture 12). Press down the armrest to its proper position to secure it. (Picture 13).



Picture 12



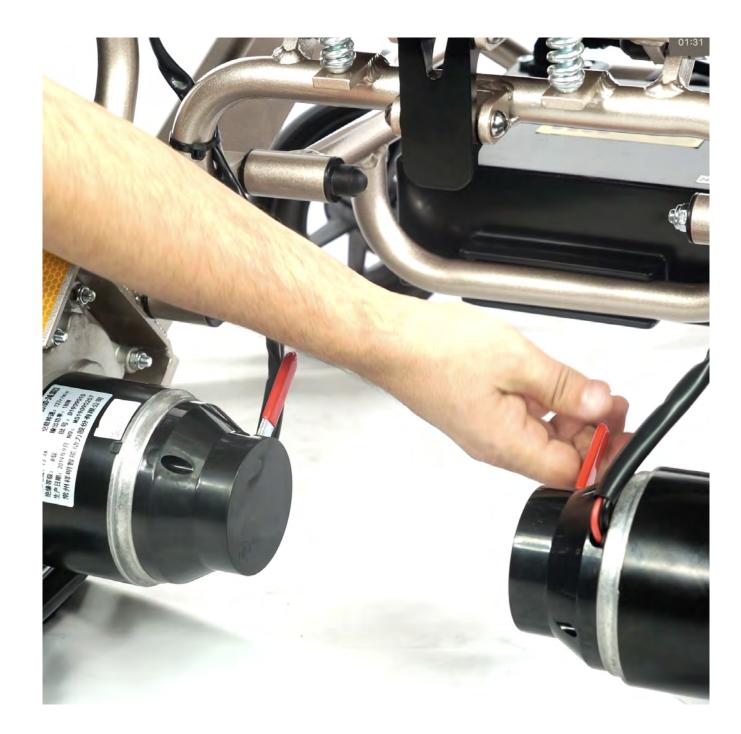
Picture 13



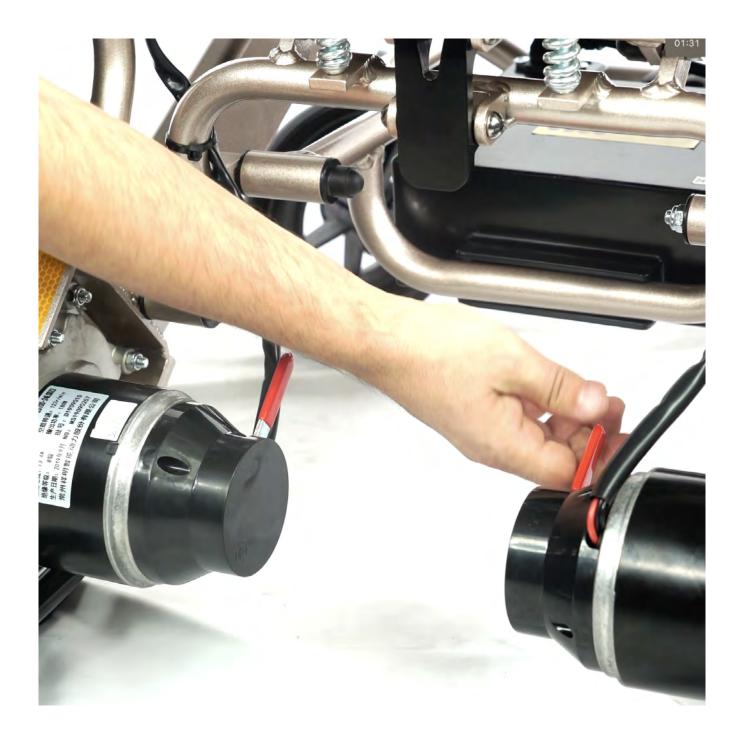


Switching Between Manual Mode and Electric Mode

Manual mode: Turn off the power and apply the brake, then pull the red clutch out of the groove and spin it 30° (Picture 14 - 15).

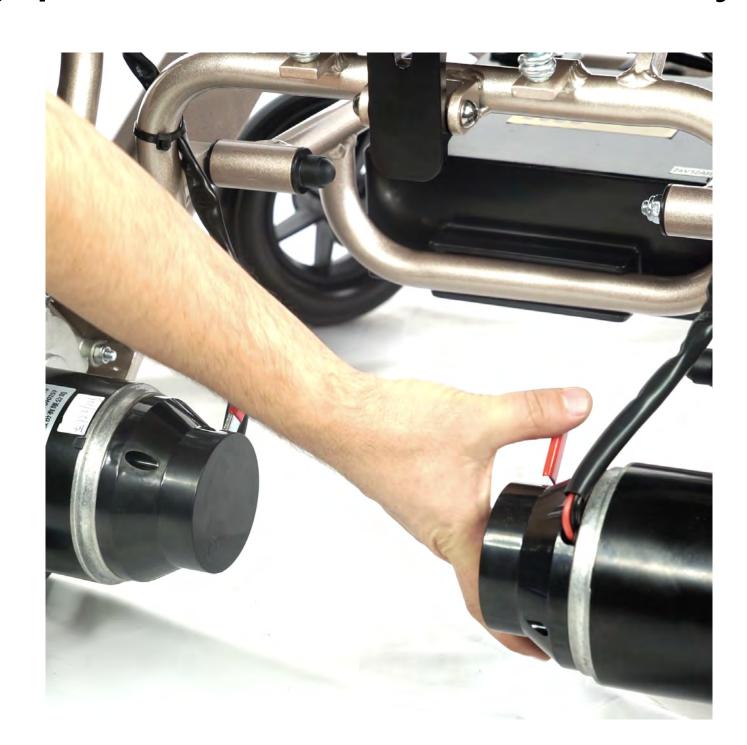


Picture 14



Picture 15

Electric mode: Spin the red clutch and put it back into its groove, lightly push the wheelchair until you hear a click sound (Picture 16).



Picture 16

When switching from manual to electric mode, please confirm that both side clutches are placed inside the grooves. If either of the side clutch's are not fully placed into its groove, this may cause the unit to rollover.



4. Battery and Charger



4.1 Charger Requirements

The charger should only be used for charging the batteries. Do not use your wheelchair while it is charging.

Charger Technical Data

Input voltage: AC220V (110V) ±10%

Output voltage: 24V/DC Output current: 1.5~5A

Ingress protection level: IPX1

Meets requirement: GB 4706.1-2005 and GB 4706.18-2005

4.2 Charger Use and Care IMPORTANT:

- A full charge requires between 8 to 10 hours, do not overcharge more than 24 hours.
- To prevent shortening your battery's life, charge the battery at least once per month when the wheelchair is not being used.
- Do not stop charging until the charging process is finished.
- Repeated use of less than fully charged batteries will shorten the life cycle of your battery.
- When battery is fully charged, the power indicator will turn green. Do not stop charging before fully charged this indicator is lit.
- After charging is complete, ensure to turn off the power supply otherwise the battery will discharge slowly.
- Do not charge more than 24 hours. Over-charging is dangerous.

Follow These Rules to Avoid Issues with Chargers

- The electric wheelchair doesn't include a charger, please use a national standard charger with output voltage of 24V/DC 1.5A~5A.
- The charger should be well ventilated at all times during charging.
- Do not expose the wheelchair to sunlight and humid environment.
- While charging, the temperature range should be between 10 to 50 degrees Celsius. (50 to 122 degrees Fahrenheit)
- If charged at temperatures outside of this range, the battery can be damaged.
- Never use or sit on the electric wheelchair when charging.





4. Battery and Charger

- It's normal for the fan to make a sound during the charging process. This is to cool the charger and does not pose a concern.
- Prevent any liquid from seeping into the charger during the charging process.
- Do not place your charger on any flammable items such as: fuel, footrest, or seat cushion.
- Please stay away from any flames while charging the battery as flames may cause a battery fire or explosion.
- Do not smoke while charging.
- Do not unplug the power supply when either the socket or your hands are wet, as this may cause electric shock.

4.2.1 Type 1, Charging directly the wheelchair while battery is connected to the wheelchair

In order to charge the battery, connect the charger with a power supply and battery box plug. Follow the instructions below to complete the charging process:

Step 1: Make sure the charger groove is not blocked.

Step 2: Make sure the electric wheelchair's power is turned off.

Step 3: Unplug the connections between the battery box and the controller.

Step 4: Connect the charger's output plug to the battery box's power plug.

Step 5: Connect the charger plug to the power supply, the red light will light up.

4.2.2 Type 2, Charging through your controller

In order to charge the battery, connect the charger to the power supply. Follow the instructions below to complete charging process:

Step 1: Ensure that the charger groove is not blocked.

Step 2: Ensure that the electric wheelchair is turned off.

Step 3: Make sure the battery and controller are connected.

Step 4: Connect the charger's output plug to the socket below the controller.

Step 5: Connect the charger's main plug to the power supply and the



4. Battery and Charger



4.3 Battery Use and Maintenance

- Incorrect insertion of the battery may cause a danger of explosion. Only use batteries that are provided with this unit. Contact your seller if you need replacement batteries.
- While inserting the battery, ensure that the battery poles are placed correctly. Always refer to the charging instructions provided here in order to maintain an optimal life cycle for your batteries.





5. System Diagnostics

The LED indicators signal various technical malfunctions which may impact the following parts: the motor, brakes, battery, wire connections.

Use the table below to troubleshoot the particular technical issue. Technical issues can usually be detected without other service tools but do not hesitate to contact us if still needed:

For Audio Signal Indicatin please check the table.







Description of LED light	Interpretation	Issue/Solution
All LED lights are off, there is no sound	The power has been turned off, wheelchair is in standby or sleep mode	Power is not connected There may be a short fuse or burned out
All LED lights are lit	The power is turned on and self-diagnostics are in working mode	None
LED lights are partially off	Lights are indicative of the amount of battery power left	Lights being partially off indicates partial battery power
The leftmost red LED light is lit	The battery power is very low	Unit should be charged before use or battery is malfunctioning and is not able to take charge
Two short beeps, LED lights blinks twice	The left motor is malfunctioning	The left motor connection may be broken, or the wire may be disconnected
Three short beeps, LED lights blinks three times	The left magnetic brake is mal-functioning	The left magnetic brake connection is broken, or the wire may be disconnected
Four short beeps, LED lights blinks four times	The right motor is malfunctioning	The right motor connection is broken, or the connecting wire may be disconnected
Five short beeps, LED lights blinks five times	The right magnetic brake is mal- functioning	The right magnetic brake connection is broken, or the connecting wire may be disconnected
Six short beeps, LED lights blinks six times	Controller has entered high-cur- rent protection status	Check the brakes and the motor drive mechanism to ensure it is not stuck. Check the current by ammeter, and if the current is not too high your controller may be malfunctioning
Seven short beeps, LED lights blinks seven times.	Joystick is malfunction	Joystick doesn't reset, or the con- nector is loose
Eight short beeps, LED lights blinks eight times	Controller may be malfunctioning	Please consult your dealer for maintenance
Nine short beeps, LED lights blinks nine times	Controller may be malfunctioning	Please consult service center for maintenance





6.1 Controller Panel



6.2 Controller Use Power Switch

To turn on the battery power gauge lights from left to right, press the button. To turn them off, press again.



In an emergency, you can directly turn power off by also pressing the power button.

Sleep Mode

If the joystick is not used for more than 20 minutes, the power will turn off automatically, and the system will enter sleep mode. System can be reactivated by pressing the power button.

Speed adjustment

The wheelchair riding speed can be adjusted according to the user's preference and circumstances. Adjust speed by using the decrease button and increase buttons accordingly.





Speed is divided into five sections, in the following ranges: 20%, 40%, 60%, 80%, 100% of the max speed.

First gear: 20% of max speed.

Fifth gear of speed: 100% of max speed.

Horn Button

Press the horn button to use the horn.

Battery Power Gauge

Battery gauge will function when power is on. The battery power gauge also indicates the remaining power. In the picture shown, the battery is powered. When only red or yellow LED lights are lit, this indicates low power and the batteries require recharging. When embarking on a long distance ride, please ensure that your battery is fully charge. Do not use the unit if only the red light is shown, as this means the unit requires charging.

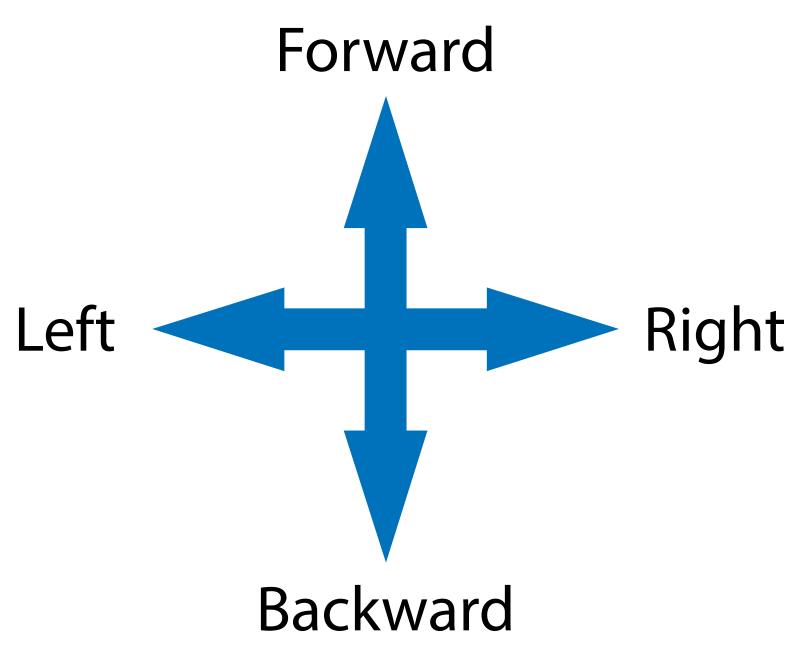
Reclining Button and Confirm button

Please reference Electric Reclining to understand its use. (Page 26)

Using the Joystick

To control the speed and direction of the wheelchair, use the joystick. The extent to which you push the joystick controls the moving speed. To power the unit on or off, always have the joystick in the middle position.

A signal will sound if the joystick is not in the middle position when turning on or off. To stop the signal, move the joystick in the middle. If the signal ceases to stop when you place the joystick in middle position, this may indicate a malfunction, please contact your dealer.







6.3 Remote Installation

For a detailed Remote Pairing video explanation, please visit our Youtube Channel. Detailed information is found on on page 9.







- 1. Press the on key to open the joystick (Picture 17).
- 2. Move the joystick speed to the lowest level (Picture 18).
- 3. Press and hold the deceleration button on the joystick until you hear "beep" sound (Picture 19).
- 4. Press the horn button until you hear "beep" sound, the speed light will gone (Picture 20).
- 5. Open the remote control (Picture 21).
- 6. Press and hold the remote control deceleration button until you hear "beep" sound, and joystick turns off, and on (Picture 22).
- 7. Turn on the Joystick, and the remote control paired.



Picture 17



Picture 18



Picture 19



Picture 20



Picture 21



Picture 22





7. Maintenance Areas

7.1 Maintaining Your Wheelchair

Proper maintenance of your wheelchair includes cleaning your wheelchair, inspecting the wheel and battery for faults, and charging the batteries. For further details on maintenance, please contact your dealer. We suggest that you have your wheelchair checked every six months and have an annual service scheduled through your dealer.

7.2 Cleaning Your Wheelchair

You can clean your wheelchair regularly, including the parts that are frequently touched with a user's body (such as the seat cushion, armrest, controller), using a clean and slightly wet cloth. Please refrain from using organic/abrasive solvents to clean, as these might damage the surface.

The wheelchair should be cleaned about once per week. If the wheelchair

is used by an infectious patient, it should be cleaned and disinfected by disinfectants between each use.

7.3 Tires

Check the tire air pressure, and wear and tear condition regularly. When the tire tread pattern depth is reduced to 1mm, the tires will require replacement. (.0393 inches)

7.4 Batteries

Please ensure that the batteries are fully charged. In order to prolong battery life, we strongly recommend not charging the unit until the batteries run out of power (red or yellow LED light indicators lit). Also refer to section 4 of this manual for detailed battery maintenance and charging instructions that can help prolong the life of your battery.



7. Maintenance Areas



7.5 Wheelchair Malfunction Signals

When malfunctions occur during the operation of this wheelchair, please turn off power before checking the unit.

Symptom: Completely loses power, and all the LED lights on the controller panel are off.

Instructions:

Step 1: Check if the controller plug is loose.

Step 2: Check if the connection to the controller plug and battery box are loose.

- Reinsert the plug connector by holding the plug when pulling it out. Do not pull on the wire to avoid unnecessary damage to the wire line. After conducting the above steps, and if the wheelchair power is not restored or if you have any questions, please contact your dealer.
- The controller has a diagnosing system to monitor the controller and motor. Any malfunction of these parts is indicated by the controller. For more details please kindly refer to chapter of audio signal indication.

7.6 Maintenance Checking

Your electric wheelchair should be checked every six months and serviced

annually as suggested. Use of this wheelchair requires continuous attention to the commonly used elements which are listed below: **Area A:** Before each use, check if following parts are functioning correctly:

- 1. Backrest
- 2. Armrest
- 3. Controller position
- 4. Footrest
- 5. Battery power
- 6. Clutch/adjusting lever for conversion between manual mode and electric mode **Area B**:The following parts should be checked monthly to avoid loosening or extensive wear.
- 1. Screws
- 2. Brakes
- 3. Clutch/adjusting lever for conversion between manual mode and electric mode
- 4. The front and rear wheels and their tread pattern depth
- 5. Connectors' of controller and charger





8. Reclining



25

8. Reclining



The IQ-8000 can recline by using the controller (joystick) or remote.



DO NOT drive the wheelchair when it is reclined!

Doing so may cause serious injury.

Reclining adjustment from controller:

- 1. Keep the wheelchair stationary.
- 2. Press and hold the reclining button until you see the speed indicator (speedometer) light turn yellow
- 3. Press the controller confirm button to access reclining mode.
- 4. Move the controller (joystick) backward to recline the chair or forward to raise the backrest of chair.
- 5. Press confirm button again to return to driving mode.



Reclining adjustment from remote control:

- 1. Press the reclining button untill the reclining button flashing green.
- 2. Press the speed deceleration to recline the backrest of thechair or the acceleration buttons to raise the backrest of the chair.
- 3. Press the recilining button to turn back drive mode.





9. Headrest

- Place the headrest at the top of the backrest and line up the holes. Insert the two provided bolts into the headrest frame and use the provided nuts to secure the headrest to the backrest.
- The headrest is height adjustable. To adjust the height of the headrest, simply hold the headrest with your hand apply pressure







10. Headlight



To install the headlight and USB charger simply insert the headlight into the joystick charging port.







10. Tech Support

Please visit https://www.comfygomobility.com/product-registration/



and register your product now. When you register your ComfyGO Electric Wheelchair, you ensure that you may be eligible for an extended warranty service. You will also receive product updates and important news from ComfyGO products. (Simply scan QR code with your

phone for the Registration Link)

- The fastest way to get support, please e-mail to support@ComfyGoMobility.com

All warranty and return requests you can visit for getting professional help: https://www.comfygomobility.com/warranty-or-return-request/



(Simply scan QR code with your phone for the Warranty Link)

Here are a Few Ways to Keep Your Batteries Healthy.

- Keep your batteries at room temperature. Heat is by far the largest factor when it comes to reducing battery life.
- Batteries deteriorate over time, whether they're being used or not.
- Battery experts suggest that after 30 charges, you should allow batteries

to almost completely discharge. The power gauge will be recalibrated.

- Avoid completely discharging batteries, unless 30 partial charges have previously taken place.
- Gradual deterioration in performance will result when the battery has been left in a discharged state.



11. Warranty Policy



- Our goal is to ensure that you are delighted with your purchase.
- According to our warranty agreement, all new products have a limited warranty. All batteries have a six month warranty. Spare parts have a one year warranty. The limited warranty does not include: labor or device failure due to the owner's misuse or negligence, non-durable components and components subject to normal wear and tear that need replacement from time to time (for example rubber materials, accessories, wheels or brakes, and plastic parts). All warranty claims require proof of purchase and the serial number.

Note that your warranty does not cover these conditions:

- Functional problems: Issues related to normal use and aging such as surface coating and plating, natural fading of resins
- Replacement of consumable materials due to wear and tear, such as tires, fuses, plastic parts, glass parts, lubricates etc.
- Any fees for Inspection, adjustment, adding oil, cleaning, etc.
- Fees for service and maintenance performed dealers as specified by our factory
- Any unauthorized modifications
- Maintenance costs at any unauthorized service centers
- If you fail to regularly check the issues as specified in this manual section 7
- Improper or wrong maintenance
- If unauthorized maintenance has been performed
- Operating differently than what is described in our manual or if you overload the wheelchair
- Any unauthorized modifications to the wheelchair
- External factors such as: soot, pharmaceuticals, bird droppings, acid rain, flying stone, metal powder, etc.
- Natural disasters such as: typhoons, floods, fires, earthquakes etc. damaging the unit

Protect the Environment

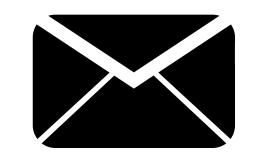
- Please do not dispose of this wheelchair or its components and especially the batteries. Instead, please return them to our service center or follow your local disposal regulation.



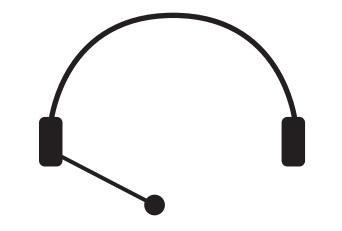


makes life easier

www.ComfyGoMobility.com



info@ComfyGoMobility.com



1 (844) 755-5055