

AIRCARBON POWER WHEELCHAIR

MOB1140

vive[®]
MOBILITY



To see all FAQs
in one place,
visit vhealth.link/uf1

vivehealth.com

TABLE OF CONTENTS

Preface.....	3
Product introduction	4
Use safety precaution	7
Assembly and commissioning of wheelchair	11
Chargers and Batteries	16
Wheelchair maintenance and self examination	19
System diagnosis.....	22
Controller	25
Spare parts list, including replacement parts, accessories.....	28
Electromagnetic compatibility.....	29
Environmental protection requirements.....	38
Service card	38
The main technical parameters of electric wheelchairs	40
Precaution and warning	41

AIRCARBON POWER WHEELCHAIR

PREFACE

Thank you for buying our electric wheelchairs!
Please read this manual carefully before operation. Improper use may cause injury to yourself, others or traffic accidents.

- This manual contains the operation of the Electric Wheelchair, assembly methods and how to deal with any possible accidents;
- This manual is applicable to electric wheelchair (Model: MOB1140)
- If the following symbols appear in this manual, please read them carefully.

WARNING: Improper use can result in death or serious injury

ATTENTION: Improper use will result in damage to the electric wheelchair

SUGGESTION: Follow this manual to keep the electric wheelchair in good condition

- This manual contains the “Daily Maintenance Checklist”. Please place this manual in the proper place on the Electric Wheelchair.
- If anyone else is using the Electric Wheelchair, please be sure to provide this manual for reference and read it carefully.
- If you do not understand or improper, please negotiate with the dealer as soon as possible.

CONTRAINDICATION

- People with mental disorders, slow reactions, and difficulties in learning to manipulate need to drive under the supervision of adults, and it is forbidden to drive the electric wheelchair alone.
- This product is intended for adults only.

PRODUCT INTRODUCTION

PRODUCT FUNCTION, MAIN STRUCTURE COMPOSITION, SCOPE OF APPLICATION

PRODUCT FUNCTION

Electric wheelchairs (MOB1140) are mainly powered by batteries and DC motors, and are driven by users themselves through the controller to change direction and adjust speed. It is suitable for driving at low speed, good road condition and small slope.

The wheelchair can drive only on good flat surfaces. Do not drive on muddy, rugged, narrow, bad, icy roads. Do not drive on dangerous roads without guardrails. Do not drive on gravel roads, steep slopes or highways, and also do not drive in rain or snow.

THE STRUCTURE OF THE PRODUCT

Product composition: This product is composed of electric wheelchairs and chargers, of which electric wheelchairs are composed of frame, control system, transmission system, seat, armrest, wheel set, motor and battery. (Figure 1)



Scope of application

The product is suitable for people carrying only one person and the user does not exceed 100 kg, disabled or without complete walking ability.

Contraindications

Electric wheelchairs are prohibited from driving on highways.

Indications for use

Electric Wheelchair (MOB1140) is a motor driven, indoor and outdoor transportation vehicle with the intended use to provide mobility to a disabled or elderly person limited to a seated position.

PRODUCT NAME, MODEL, SPECIFICATION

PRODUCT SPECIFICATIONS	
Name	AirCarbon Power Wheelchair
Model	MOB1140
DIMENSIONS	
Overall Dimensions:	40" x 29" x 36"
Folding Width:	24.5"
Seat Width:	18"
Seat Depth:	16"
Seat Height (from ground):	21.25"
Armrest Height:	9"
Backrest Height:	18.5"
WEIGHT	
Total Weight:	21.5 kg
Maximum User Mass:	100 kg (220lbs)
WHEELS	
Front Wheel Diameter:	7.75"
Rear Wheel Diameter:	9.75"

ELECTRIC PARAMETERS	
ELECTRIC MOTOR	
Type:	Brushless
Voltage:	DC 24V
Rated Power:	150W × 2
BATTERY	
Rated Capacity:	6Ah
Rated Voltage:	DC 24V
Number of Units:	1
Charger Output:	2A
POWER SUPPLY	
Input Voltage:	AC 100–240V, 50/60 Hz
CHARGER	
Input Voltage:	AC 100–240V
Power Supply Frequency:	50/60 Hz
Max Output Current:	2A
CONTROLLER	
Maximum Output Current:	35A
PERFORMANCE PARAMETERS	
Maximum Speed:	< 6 km/h
Static Stability:	9°
Dynamic Stability:	6°
Braking Performance:	≤ 1500 mm
Minimum Turning Radius:	≤ 1200 mm
Theoretical Driving Distance:	12 km (7.5 miles)
Maximum User Weight:	100 kg (220 lbs)
Total Weight of Device (without battery):	19 kg (41.9 lbs)

NAME, ADDRESS, CONTACT INFORMATION AND AFTER-SALES SERVICE UNIT OF THE REGISTRANT/MANUFACTURER

Local authorized representative:

Vive Health

Add: 8955 Fontana Del Sol Way

Naples, FL 34109

Tel: 1(513) 314-6021

E-mail: service@vivehealth.com

USE SAFETY PRECAUTIONS

GENERAL DRIVING PRECAUTIONS

Any Electric Wheelchair can cause injury if used incorrectly, and careless driving may endanger your own safety, as well as the safety of others. Please follow our guidelines and use your wheelchair properly.

- Keep your hands on the armrests to control the wheelchair and make sure there are no obstacles ahead.
- Before driving is not used to, please practice in a safe and wide place such as a park.
- Practice driving fully in a safe place, remember the feeling of marching, stopping, and turning.
- When you first come out of the road, please go with your escort and drive when it is safe to do so.
- Please take the position of a pedestrian, obey the traffic rules, do not take the position of a driver.
- Please drive on the sidewalk and at the zebra crossing. Keep to the right on deserted roads.
- Please drive smoothly and avoid snaking and sharp turns.
- When using pneumatic tires, please maintain the specified tire pressure, abnormal tire pressure may cause instability on the ride, or excessive current loss.
- All models of wheelchairs can not adjust the backrest on the slope when the headrest is optional. Please keep the backrest vertical.

AVOID DRIVING IN THE FOLLOWING SITUATIONS OR PLACES, PLEASE TRAVEL WITH A COMPANION






- Driving in bad weather (rain, fog, strong winds, snow, etc.).
- In case get wet, wipe off the water immediately.
- Driving on bad roads (dirt, snow, sand, gravel and other rough roads).
- High traffic road surface.
- Unfenced side ditch, pond, etc. shoulder road driving.
- Cross the railroad crossing.

- If you have to cross the railway, please pause at the crossing to make sure that the left and right sides are safe and that the rail does not catch the wheel to ensure that train is traveling at a right angle to the rail.

WARNING:

- Do not put the wheels in neutral mode when going up and down the hill.
- When you arrive at a traffic intersection and the product fails, please immediately ask passers-by for help and immediately release the clutch, push away from the scene, or evacuate to a safe area.

PRECAUTIONS FOR GOING UP AND DOWN HILLS

<p>When you are driving uphill on the slopes, and the slope angle should be less than 8 degrees. Do not drive in reverse on uphill. Avoid sudden evasive maneuvers and never drive fast that you are unable to control the electric wheelchair safely and without risk.</p>	
<p>When you are driving downhill on the slopes, and the slope angle should be less than 8 degrees. Do not drive in reverse on downhill. Go downhill at the lowest speed possible.</p>	
<p>Always exercise great caution when driving over side slopes horizontally. The slope angle of driving is less than 3 degrees.</p>	
<p>You may drive over obstacle less than 35mm. Use extreme caution when negotiating obstacles of this type. Always approach the obstacle at a right angle.</p>	
<p>Do not cross a gap that is more than 80mm wide.</p>	<p>No!</p> 

PRECAUTIONS FOR ESCORTS

- Please make sure the user is sitting correctly in the wheelchair before start traveling with the electric wheelchair.
- When going uphill, please keep in gear to enable the electromagnetic brake to function, and do not release the clutch by yourself.
- When you not pushing the wheelchair, make sure it is in the braking position.

WARNING:

- The assembly and material of the electric wheelchair shall not be changed without the company's confirmation.
- Do not arbitrarily increase the weight, so as not to cause instability.
- When someone is sitting on the electric wheelchair or the clutch is not in neutral, it is not allowed to use other vehicles to pull or push the car.
- If you are allergic to aluminum alloy, please make sure to wear footwear when using this device.
- In case of abnormal sound, please contact us immediately.

OTHER PRECAUTIONS

Warning

If repairs or modifications are necessary, please contact customer service. Do not modify this equipment without our authorization. Otherwise, accidents or failures may occur.

Environmental protection

In order to maintain the earth's environment, do not discard abandoned Electric Wheelchairs or batteries that cannot be used, and contact the local electric wheelchair maintenance point to replace the old and make up the difference.

Please keep dry

Do not put the wheelchair in a place with heavy moisture, such as putting the wheelchair aside in the shower. If it gets wet. Dry it immediately.

Disconnect from the network power supply

The network power plug used as a disconnecting measure, that is, the plug of the power adapter (charger), should not be placed in a place where it is difficult to operate the disconnecting device when charging. Network power disconnected measures are obvious: unplug the power adapter (charger) power plug can be.

Charging port function

The charging port is also a programmer connection port, and it is not allowed to use third-party programmers or other devices or tools without our consent to modify the controller setting parameters at will, otherwise it may cause unacceptable risks and consequences.

Others

When storing or using, keep away from children, pets, etc., otherwise it may cause unacceptable risks and consequences. Please use the safety belt and the electric wire correctly. Do not put your head or neck into the electric wire. If it is strangled accidentally, disconnect the power supply and seek help. Keep away from fine particles such as dust and cotton wool. Please avoid sun exposure. If the part that can be touched during use causes skin surface allergy, please apply anti-allergy ointment and seek medical treatment if necessary.

Helps

First-time users of this product should contact the manufacturer or manufacturer's representative for assistance in installing, using, or maintaining this product or to report abnormal operation or events.

PREVENTIVE MEASURES

Electromagnetic interference protection

Wheelchairs should be used away from magnetic fields and large inductive electrical equipment, such as radio stations, television stations, underground radio stations, radios, and mobile phone transmission stations. Pay attention to whether there are electromagnetic interference sources nearby, and try to stay away from and avoid electromagnetic interference sources, wheelchairs should avoid electromagnetic interference.

The Electric wheelchair is not intended for use in the vicinity of electronic article surveillance.

WARNING

Do not use the device in the vicinity of electronic security systems such as electromagnetic anti-theft systems and metal detectors; Do not use of the device in the vicinity of diathermy and electrocautery.

Heat source protection

Wheelchairs should be used away from open flames and high temperature areas and equipment, such as: furnaces, ovens, boilers, coal stoves, etc. Pay attention to whether there is a heat source in the attachment, and try to stay away from and avoid it to ensure the safety of personnel and wheelchairs.

Always wear footwear when using this device.

ASSEMBLY AND COMMISSIONING OF WHEELCHAIRS

Remove the chair from the packaging and unfold it by pulling the seat and the bottom bar apart.



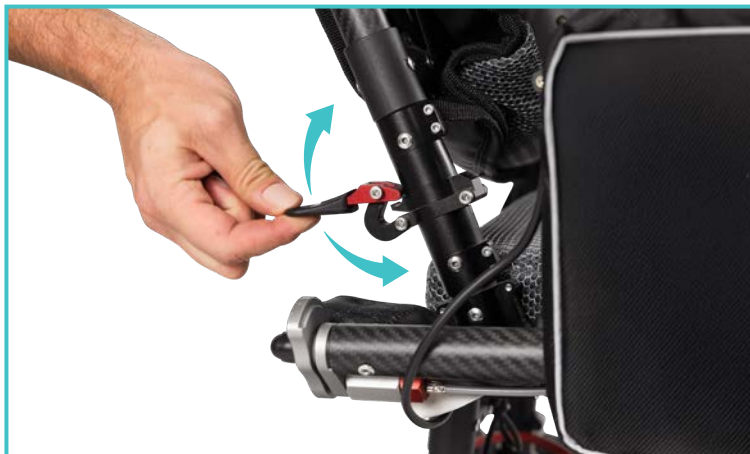
Fold up the back rest from the seat and fold down the foot plate.



Use the 6 locks around the chair to secure the chair into position. Be careful not to pinch your fingers.

To use the lock:

1. Lift up on the lock and slide it past the top of the latch fitting into the groove of the latch.
2. Pull the lock up so it locks into place fitting tightly into the groove of the latch on the frame itself.



You will find 2 locks at the front base of the chair (left and right side)

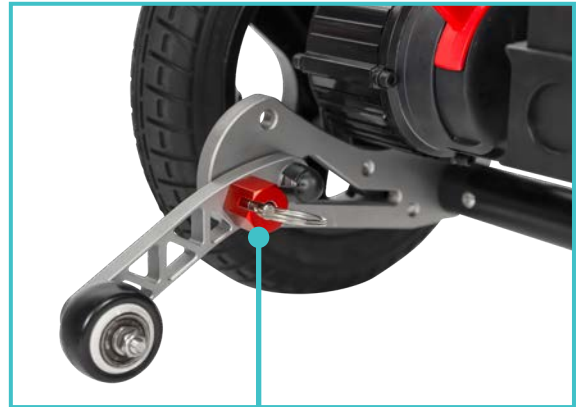
2 Locks on the back side of the backrest

And 2 locks beneath the back rest locks on the bottom rear of the frame.

Making a total of 6 locks that all must be secured down and locked prior to sitting in the chair.



Pull out the right and left Anti-tip wheel latches, fold the Anti-tip wheel, and ensure that the latches are successfully stuck.



WARNING: Be careful not to pinch your hand, when the operator needs to use the subject electric wheelchair, he must use the anti-tip wheels.

Slide the Battery into the Battery Tray at the rear of the Chair. Use the silver locking latch to lock the battery into place. Plug the Red Plug coming from the top of the battery into the red plug hanging free from the rear of the chair.



WARNING: Be careful not to pinch your hand.

Fold the arm rest up so it locking into place.

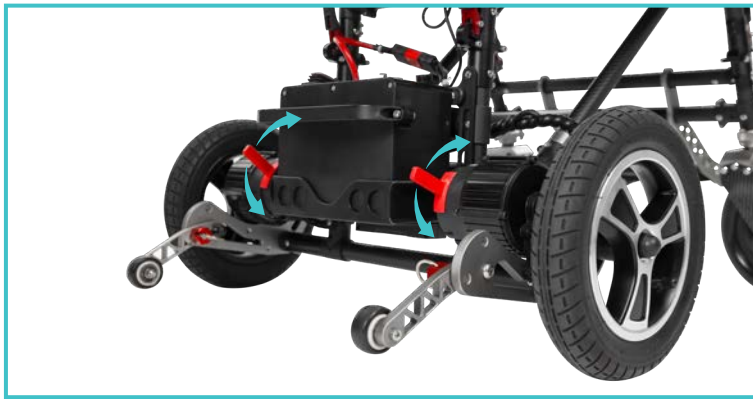


Use the latch under the arm rest pad to unlock the arm rest if you need to fold the armrest down and out of the way.



Rear Drive Lever

The Drive Lever on the Rear of the Chair can control the locks on the wheels. If you push both levers (one for each wheel) up then the wheelchair will be in “Drive” Mode and able to drive via the joystick. If you push both levers down then the wheelchair is in Free Wheel “Manual” push mode and you can push the wheelchair around freely as the brakes are disengaged. NOTE: If the wheelchair is in Manual mode and you try and power on the joystick then the joystick will let you know by giving you an error code and you will not be able to drive your chair.



Installing the Joystick

Place your joystick on the designated plate for holding the joystick. Use the 2 provided allen screws and allen key to secure the joystick to the joystick plate. Plug the male cord that is attached to the chair into the female insert cord that is attached to the joystick. Lock this male plug and female insert together using the twist screw that covers the female receptacle.



Hook instructions

When wheelchairs are used, hooks can be used to hang items. After the wheelchair is folded, the hook is hung to the seat beam, and the clutch can be pulled and pulled in the starting motion mode.

CHARGERS AND BATTERIES

CHARGER REQUIREMENTS

The charger is used for charging the internal power supply of the wheelchair, and the charger should meet the following requirements:

1. Argument
Input voltage: AC100~240V 50/60Hz Output voltage: DC24V
Output current: 2A
2. AC100~240V 50/60Hz network power supply must be used when charging, otherwise it may cause unacceptable risks.

USE OF CHARGER

Charging to provide wheelchair charging, the charger plug is connected to the jack below the controller

Follow the instructions below to complete the charging procedure.

Step 1: Check the charger jack to make sure it is not blocked.

Step 2: Make sure the wheelchair power switch is on the battery.

Step 3: Plug the output plug of the charger into the jack under the controller (Refer to the image on page 17.). When the charger lights red, it means that it is charging.

Step 4: When the green light of the charger is on, the battery has been charged.

Step 5: Pull out the output plug of the charger.

After the charger is powered on, it can be charged for up to 6-8 hours, and after the blue light of the general charger is on, it can be charged for 1-2 hours, which can ensure that the battery is fully charged in the state of power. When the charger is disconnected from the power supply, please remember to unplug the wires connected to the controller, so as not to lose power. When the wheelchair is unused, please charge it once a month to prevent the battery life from decreasing.



ATTENTION:

1. Do not unplug the battery before charging is completed, because repeated use of the battery in the undercharged state will shorten the battery life. So try to fully charge the battery when charging.
2. After charging is complete, the charging indicator will turn to "green", do not stop charging before charging is complete. (While charging the light on the charger will be red)
3. After charging is complete (generally 6-8 hours of charging), turn off the charging power and remove the plug, if the wire is not removed, the battery will slowly discharge, but the maximum charging time cannot exceed 12 hours, there will be a risk of overcharging.
4. If it is not used for a long time, charge it once a month to ensure that the battery is full.
5. The charging time is related to the outside temperature, and the charging time is longer in winter.

ATTENTION:

Please follow the following rules to avoid hazards while charging:

1. Please use our standard charger, non-standard charger is easy to cause danger, it is strictly prohibited to change or modify the charger line, if the product or personnel accidents caused by this, the company will not be responsible.
2. The charging place should be kept in a good ventilated environment, and should not be exposed to sunlight and damp environment for charging.
3. Do not cover any tarps or items while charging.
4. Do not charge in the environment below 32°F or above 100°F at this time the charger can not play a good function, easy to damage the battery.
5. The charger will have heat when charging, please rest assured to use, this function for heat dissipation.
6. This charger has no waterproof function.
7. Do not place the charger over flammable objects for charging, such as fuel, pedals or seats.

SAFE USE AND MAINTENANCE OF BATTERIES

There is a risk of explosion if the battery is replaced incorrectly. When replacing the battery, only use the same battery or the same type of battery recommended by the manufacturer, and pay attention to the correct polarity of the battery.

The battery can theoretically run for about 4 hours under full charge and full load, and the battery life is 1 to 5 years (depending on actual use). The point of extending the life of the lithium battery is: often charge, so that the battery is full, if the wheelchair is disabled for a short time, it is best to use the battery enough, such as long-term disabled, and charge once a month; Charging can only be done through the controller charging interface (see pg.16 use of charger), and the charger cannot charge the battery directly. If it is determined that the wheelchair will no longer be used, the battery must be removed to prevent corrosion or ignition hazards caused by leakage.

ATTENTION:

1. When charging, keep away from the flame, which will cause the battery to catch fire or explode.
2. Because hydrogen will be produced when charging, do not smoke while charging, please charge in a well-ventilated place. Do not install or remove the charging socket when your hands are wet or the socket is wet. This may cause an electric shock.
3. When charging the charger, please put the wheelchair in an open place to charge and ensure that there is no flammable material nearby to ensure fire safety.

WHEELCHAIR MAINTENANCE AND SELF-EXAMINATION

User's wheelchair maintenance includes: cleaning, tire inspection, battery and charging, further wheelchair maintenance by the customer service staff, we recommend that you: wheelchair inspection every six months, once a year.

CLEAN WHEELCHAIRS, TIRES AND BATTERY MAINTENANCE

Clean wheelchair

Please wipe the wheelchair surface with clean water. Wipe the surface of the charger clean with a clean soft cloth. Optimal frequency: once a week.

Tire

Please check the wear condition of the inflatable tire regularly. When the tread depth is one millimeter, please contact our customer service to replace the tire.

Battery

Please make sure that the battery is charged regularly, we recommend that the battery should not be completely dead before charging, so as not to reduce the battery life.

WHEELCHAIR DAMAGE AND USER SELF-EXAMINATION

1. When the wheelchair fails during use, please check the wheelchair after the power is turned off.
2. Symptoms: Complete loss of power, and the indicator on the controller disappears.

CHECK PROCEDURE

1. Check whether the plug of the controller is loose.
2. Check whether the connector between the battery box and the controller is loose. Reinstall the connector and hold the connector instead of pulling the cable to avoid unnecessary damage to the cable. If the power supply cannot be restored after the above steps, or if you have any questions about the above actions, please contact customer service immediately.

MAINTENANCE INSPECTION OF ELECTRIC WHEELCHAIRS

The following is a checklist for wheelchairs. Please check your wheelchairs as often as suggested below. Some checks are automatically checked when you sit in or get out of your wheelchair. For your attention, we have listed these automatic checks in section A.

Section A	Check that everything is in order each time: 1. Backrest and headrest 4. Foot pedals 2. Armrest 5. Clutch 3. Control lever device 6. Check the power on the controller
Section B	Check the following items at each time to prevent improper parts from loosening or wearing. 1. Check whether the screws are loose 2. Automatic braking 3. Clutch 4. Front and rear wheel parts and tire tread depth 5. Charger and controller connector
Section C	For your safety please be sure to do a thorough wheelchair every six months A thorough maintenance check. Relevant inspection methods can consult our customer service staff.

Professional maintenance personnel need to be specially designated by our company, need to contact our customer service.

Warranty content

Your electric wheelchair is carefully tailored for you. If there is any material or manufacturing defect, please repair it free of charge and maintain it for life according to the period and conditions indicated in this warranty card.

Warranty does not apply

1. Sensory phenomena that can be identified as having no functional impact.
2. Use loss or discomfort due to changes over a period of time (coating surface, plating surface, resin and other natural fading deterioration, etc.).

Discomfort due to the following matters is not suitable for warranty

1. Did not implement the regular inspection and sorting designated by the company.
2. Improper or wrong maintenance.
3. Use operation methods different from those shown in the operating instructions and overload use (over staffing, bearing capacity, etc.).
4. Modification without permission of the company.
5. Soot, drugs, bird droppings, acid rain, flying stones, metal powder and other external factors.
6. Typhoon, flood, fire, earthquake and other natural disasters.

No charges as shown below

1. Replacement and replenishment of consumables, oils, etc. (tires, fuses, various plastic products, glass products, lubricating oil, other such things).
2. Costs for inspection, adjustment, oil feeding, cleaning operations, etc.
3. Regular inspection and finishing expenses designated by the company.
4. Modification without permission of the company.
5. Repair costs incurred outside the Company's special maintenance center or after-sales service network.

SYSTEM DIAGNOSIS

This product will warn the abnormal state of the Electric Wheelchair through the controller LED light flashing and horn warning sound. Once the warning signal is generated, it indicates that an abnormal condition has occurred somewhere in the electric wheelchair. It can happen to motors, brakes, wire connections and the product itself.

Indication of fault maintenance light

The following table describes the various states of the controller, and the LED flashing light is also an audible warning.

MOTOR CONNECTION ALARM

Left motor alarm

FAULT CATEGORY	DISPLAY MODE	SOLUTION
Hall fault	Gear 1 Power 1 blinks simultaneously	Check joint connection
The electromagnetic brake cable falls off	Gear 1 Power 2 blinks simultaneously	Check joint connection
Motor connector is not inserted	Gear 1 Power 1 2 blinking simultaneously	Check joint connection

Right motor alarm

FAULT CATEGORY	DISPLAY MODE	SOLUTION
Hall fault	Gear 2 Power 1 blinks simultaneously	Check joint connection
The electromagnetic brake cable falls off	Gear 2 Power 2 blinks simultaneously	Check joint connection
Motor connector is not inserted	Gear 2 Power 1 2 blinking simultaneously	Check joint connection

Rocker fault alarm

FAULT CATEGORY	DISPLAY MODE	SOLUTION
The rocker did not return	Gear 3 Power 1 blinks simultaneously	Shake the rocker to confirm that there is no delay and then restart the machine
Rocker off	Gear 3 Power 2 blinks simultaneously	Contact the controller manufacturer

Master control board fault alarm

FAULT CATEGORY	DISPLAY MODE	SOLUTION
Current sampling anomaly	Gear 4 Power 1 Blinking simultaneously	Contact the controller manufacturer
Drive tube breakdown	Gear 4 Power 2 Blinking simultaneously	Contact the controller manufacturer
Control board short circuit	Gear 4 Power 3 Blinking simultaneously	Contact the controller manufacturer
The uplink and downlink communication is lost	Gear 1 Power 5 Simultaneously blinks and has a tone	Contact the controller manufacturer
Electromagnetic drive off	Gear 4 Power 5 Blinking simultaneously	Contact the controller manufacturer

Abnormal voltage alarm

FAULT CATEGORY	DISPLAY MODE	SOLUTION
Battery low voltage	Power 1 gear 5 Blinking without prompt tone	The battery is low, prompting the user to charge
High battery voltage	Power 1-5 Flashing all gears 5 Flashing simultaneously	Battery power is too high (higher than the $31.5\pm 0.5V$)

PS:

1. The controller under voltage protection value can be changed by the handheld programmer, and the appropriate voltage value can be set according to different battery types. The controller only provides a charging bridge between the charger and the battery. If the power does not change after multiple charges, please confirm whether the charger and the battery are normal.
2. The full charge of lithium 24V is about 29.4V. When the voltage of lithium charger is higher than 31.5V, the controller will be alarm. Please stop charging.

Charging instructions

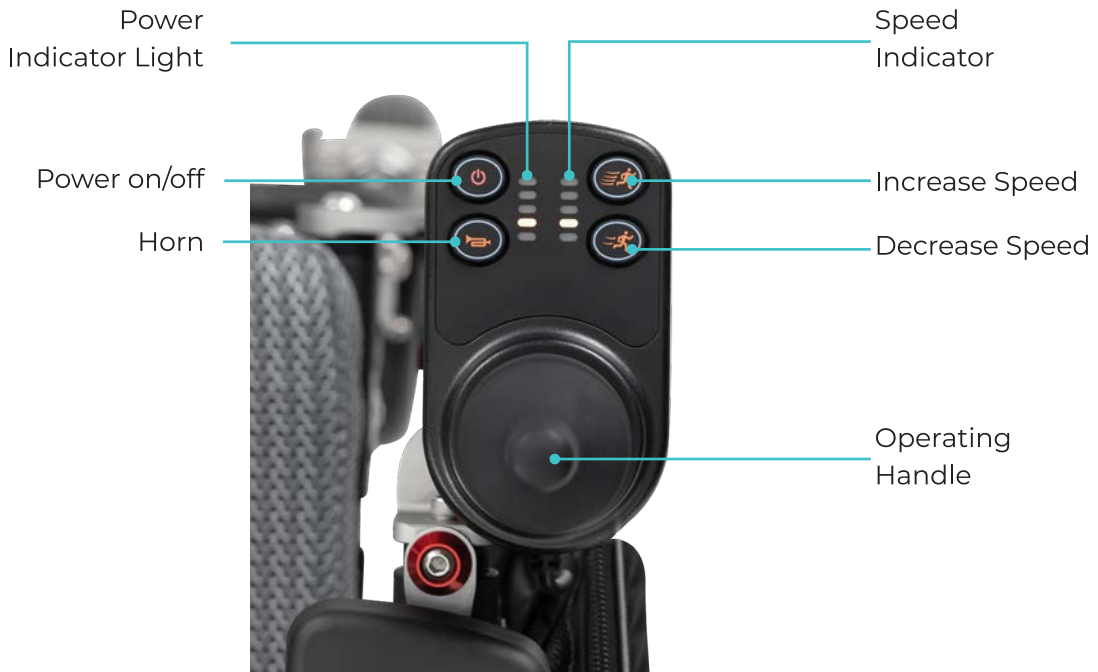
INDICATED CLASS	DISPLAY MODE
Wheelchair charging	Power 1-5 increments flashing

PS:

1. The controller has a charge suppression function, but it must be short-connected with 2 or 3 pins of the charger cannon head.
2. The maximum charging current of the controller is 6A, and there is no protection for the charging voltage.

CONTROLLER

Controller panel (controller picture for reference only according to the actual subject!)



POWER ON

Product power switch and sleep function

Power on controller

Turn on the power switch button, the power indicator is on, the power indicator is on from left to right, and the buzzer beeps, indicating that the controller is powered on normally.

Power off controller

Press the power switch button, all the LED lights on the panel are off, and the controller has no output.

ATTENTION:

In some emergency situations, you can press the power switch button to turn off the controller power.

If the rocker is not in the middle position when the power is turned on, the error message “Rocker is not in the middle when the power is turned on” will be displayed. Remove the rocker and return it to the middle position, and the error will disappear. This function is to avoid driving without the joystick in the middle when the controller power is turned on or the disable condition has been removed. This function prevents sudden or unexpected movements of the electric wheelchair.

ATTENTION:

If the error still exists after releasing the rocker, it may be that the rocker component has been damaged. After the damage, please do not use this product and consult the maintenance manufacturer.

Sleep mode

If the rocker doesn't do anything. After 10 minutes, the controller will automatically turn off the power and enter the sleep mode.

Press the power switch button to wake the control system from sleep mode. In the sleep mode, the product consumes very little power, and there is no need to worry about damaging the battery.

Adjustment of driving speed

According to the user's habits and the environment, the user can adjust the maximum speed of the electric wheelchair.

The currently selected maximum speed will be displayed on the 5-speed speedometer, and the speed can be adjusted by using the deceleration and acceleration buttons. Speed is adjustable in five gears.

GEAR	FIRST GEAR	SECOND GEAR	THIRD GEAR	FOURTH GEAR	FIFTH GEAR
Speed	1.5mph	2mph	2.4mph	3mph	3.6mph

Battery meter

The battery meter is used to show that the power of the electric wheelchair is turned on, and the battery meter can also show the predicted value of the remaining battery power. When all LED lights are on, the battery is fully charged. Only when the yellow or red LED lights up, it means that the battery needs to be charged. It's best to charge before a long drive. If only the red LED lights up, it means that the battery is extremely low. It's best to charge it as soon as possible.

Use of rocker

- The moving direction of the rocker can direct the moving direction of the electric wheelchair.
- The motion of the rocker will determine the speed of the electric wheelchair in that direction.
- Manual rocker to forward operation: drive electric wheelchair forward.
- Manual rocker to forward and backward operation: drive the electric wheelchair backward.
- Manual rocker to the right left operation: drive the electric wheelchair to turn left in place.
- Manual rocker to the right operation: drive the electric wheelchair to the right place to turn.

Self-repair instruction

- If a system failure occurs, check the position of the flashing lights on the speed and power displays.
- Check the abnormal sound according to the following Controller Status Indicator list. For details about
- controller status indicators, (see System Diagnosis pg.22).

Precautions for the controller

1. Avoid knocking the controller, especially the handle. Do not tap the controller and handle while driving. Don't hit the controller. When running the wheelchair, ensure that the control system protection is safe and reliable to avoid wire damage.
2. When parking on the slope, do not turn off the power to prevent slipping.
3. Operating environment; Do not keep the control system and its components in a humid environment for a long time, such as the control system and food or beverage contact should be cleaned in time.
4. Cleaning: Wipe the control system and the handling handle with a cloth impregnated with a diluting agent, wiping the handling handle should be particularly careful.

Attention: Make sure the seat is empty before using the seat folding function!

SPARE PARTS LIST, INCLUDING REPLACEMENT PARTS, ACCESSORIES

ITEM	QUANTITY
Wheelchair	1
Charger	1
Instruction book	1

ELECTROMAGNETIC COMPATIBILITY

For this equipment (MOB1140), special precautions regarding electromagnetic compatibility (EMC) are to be taken and must be installed and used in accordance with the EMC information specified in this specification. Portable and mobile RF communication equipment may affect this device (MOB1140).

The following cables must be used to comply with electromagnetic emission and anti-interference requirements:

CABLE NAME	LENGTH (M)
Power Cord	1.1
Charger Output Cable	1.0

Caution

Use of accessories and cables other than those sold by the manufacturer of the device or system as spare parts for internal components may result in increased emission or reduced immunity of the device or system.

Warning

Electromagnetic interference can occur in a variety of ways in the use of electric wheelchairs and interfere with the control system of electric wheelchairs. In the case of intermittent interference (except for mobile phones and electronic goods anti-theft systems), continue to use electric wheelchairs to be especially careful to prevent accidental movement or change of direction of the wheelchairs, resulting in injury accidents.

Warning

You must use the charger provided by our company.

Table 1 Electromagnetic emission - for wheelchair drive system (driving state)

LAUNCH TEST	CONFORMANCE	ELECTROMAGNETIC ENVIRONMENT - GUIDE
Radio-frequency emission CISPR11	1set	The device (MOB1140) uses RF energy only for its internal functions, and as a result, it has low RF emissions and a low likelihood of interference with nearby electronics.
Radio-frequency emission CISPR11	Class B	The equipment (MOB1140) is suitable for use in all facilities, including domestic and residential public low-voltage power grids directly connected to the home.
Harmonic radiation IEC 61000-3-2:2009 +Cor.1	Not Applicable	Internal power supply
Voltage fluctuation/flicker emission IEC 61000-3-3	Not Applicable	

Table 2 Electromagnetic immunity - to the wheelchair drive system (driving state)


IMMUNITY TESTING	ISO7176- 21:2009 TEST LEVEL	COINCIDENCE LEVEL	ELECTROMAGNETIC ENVIRONMENT -GUIDE
Electrostatic Discharge (ESD) IEC 61000-4-2	±6kV contact discharge ±8kV air discharge	±6kV contact ±8kV air	Floors should be wood, concrete or tile, and if the floors are covered with synthetic materials, the relative humidity should be at least 30%

Power frequency magnetic field (50/60Hz) IEC 61000-4-8	30 A/m	30 A/m	The power frequency magnetic field should have the level characteristics of the power frequency magnetic field in a typical place in a typical commercial or hospital environment
--------------------------------------------------------	--------	--------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Guidelines and Manufacturer's Statement - Electromagnetic Immunity

The equipment (MOB1140) is intended to be used in the following electromagnetic environments, and the purchaser or user shall ensure that it is used in such electromagnetic environments:

Immunity test	ISO7176-21:2009 Test level	Coincidence level	Electromagnetic environment -guide
Radio-frequency radiation IEC 61000-4-3	20 V/m 26MHz - 2.5GHz	20 V/m	<p>Portable and mobile RF communication equipment should not be used closer to any part of the equipment, including cables, than the recommended isolation distance.</p> <p>The distance is calculated by a formula corresponding to the transmitter frequency</p> <p>Recommended isolation distance</p> $d = 0.18\sqrt{P} \quad 26\text{MHz}\sim 800 \text{ MHz}$ $d = 0.35\sqrt{P} \quad 800\text{MHz}\sim 2.5 \text{ GHz}$ <p>Formula:</p> <p>P -- based on the transmitter manufacturer's maximum rated output power of the transmitter, in watts (W);</p> <p>d -- is the recommended isolation distance, measured in meters (m).</p>

			<p>The field strength of a fixed RF transmitter is determined by surveying the electromagnetic site A and should be lower than the coincidence level b in each frequency range. Interference may occur near devices marked with the following symbols. </p>
<p>The field strength of stationary transmitters, such as wireless (cellular/cordless) telephone and ground mobile radio base stations, amateur radio, AM and FM radio broadcasts, and television broadcasts, cannot be accurately predicted in theory. In order to assess the electromagnetic environment of a fixed RF transmitter, the electromagnetic site survey should be considered. If the measured Electric wheelchair (MOB1140) is located at a field strength higher than the applicable RF conformance level described above, the Electric wheelchair (MOB1140) should be observed to verify its normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or repositioning the Electric wheelchair (MOB1140). b In the whole frequency range of 150kHz-80MHz, the field strength should be less than 3V/M.</p>			
<p>Recommended isolation distances between portable and mobile RF communication equipment and equipment (MOB1140) The Electric wheelchair (MOB1140) is intended for use in electromagnetic environments where radio frequency radiation disturbance is controlled. Depending on the maximum rated output power of the communication equipment, the purchaser or user can protect against electromagnetic interference by maintaining the minimum distance between the portable and mobile RF communication equipment (transmitter) and the equipment (MOB1140) as recommended below.</p>			

Maximum rated output power of transmitter W	The isolation distance /m corresponding to different frequencies of the transmitter	
	26MHz - 800MHz $d = 0.18\sqrt{P}$	800MHz - 2.5 GHz $d = 0.35\sqrt{P}$
0.01	0.018	0.035
0.1	0.058	0.11
1	0.18	0.35
10	0.57	1.1
100	18	35

For the maximum rated output power of the transmitter not listed in the table above, the recommended isolation distance d, in meters (m), can be determined by the formula in the corresponding transmitter frequency column, where P is the maximum rated output power of the transmitter provided by the transmitter manufacturer. In watts (W).

NOTE 1: At the 80MHz and 800MHz frequency points, the formula for the higher frequency band is used.

NOTE 2: These guidelines may not be suitable for all situations, electromagnetic propagation is affected by the absorption and reflection of buildings, objects and the human body.

Table 3 Electromagnetic emission - For non-on-board and on-board battery chargers (external power supply charging state)

Guidelines and Manufacturer's Statement - Electromagnetic emission		
The equipment (MOB1140) is intended to be used in the following electromagnetic environments, and the purchaser or user shall ensure that it is used in such electromagnetic environments:		
Launch test	conformance	Electromagnetic environment -guide
Radio-frequency emission CISPR11	A set	The Electric wheelchair (MOB1140) uses RF energy only for its internal functions, and as a result, it has low RF emissions and a low likelihood of interference with nearby electronics

Radio-frequency emission CISPR11	Class B	The equipment (MOB1140) is suitable for use in all facilities, including domestic and residential public low-voltage power grids directly connected to the home.
Harmonic radiation IEC 61000-3-2:2009+Cor. 1	Class A	
Voltage fluctuation /flicker emission IEC 61000-3-3	Conform	

Table 4 Electromagnetic immunity - for non-on-board and on-board battery chargers (external power supply charging state)

Guidelines and Manufacturer's Statement - Electromagnetic Immunity			
The equipment (MOB1140) is intended to be used in the following electromagnetic environments, and the purchaser or user shall ensure that it is used in such electromagnetic environments:			
Immunity test	ISO7176-21:2009 Test level	Coincidence level	Electromagnetic environment - guide
Electrostatic Discharge (ESD) IEC 61000-4-2	±6kV contact discharge ±8kV air discharge	±6kV contact ±8kV air	Floors should be wood, concrete or tile, and if the floors are covered with synthetic materials, the relative humidity should be at least 30%
Electrical fast transient pulse group 61000-4-4 surge IEC 61000-4-5	±1kV power cord ±0.5kV for input/output lines ±0.5kV wire to wire ±1.0kV wire to ground	±1kV power cord ± Not applicable ±0.5kV wire to wire Not applicable	The network power supply should be of the quality typical for use in a commercial or hospital environment.

Voltage dips, short interruptions and voltage changes on power input lines IEC 61000-4-11	100% UT, lasting 0.5 cycles 100% UT, lasting 1 cycle 30% UT, lasting 25 cycles	100% UT, lasting 0.5 cycles 100% UT, lasting 1 cycle 30% UT, lasting 25 cycles	The network power supply should be of the quality typical for use in a commercial or hospital environment. If the user of the device needs continuous operation during a power outage, it is recommended that the device be powered by an uninterruptible power supply or battery
-------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

NOTE: UT refers to the AC network voltage before the test voltage is applied.

Guidelines and Manufacturer's Statement - Electromagnetic Immunity

The equipment (MOB1140) is intended to be used in the following electromagnetic environments, and the purchaser or user shall ensure that it is used in such electromagnetic environments:

Immunity test	ISO7176-21:2009 Test level	Coincidence level	Electromagnetic environment - guide
Radio-frequency conduction IEC 61000-4-6 Radio-frequency radiation IEC 61000-4-3	3V (valid value) 150kHz - 80MHz 3V/m 80MHz to 1.0GHz	3V (valid value) 150kHz -80MHz 3V/m 80MHz to 1.0GHz	Portable and mobile RF communication equipment should not be used closer to any part of the equipment, including cables, than the recommended isolation distance. The distance is calculated by a formula corresponding to the transmitter frequency
			Recommended isolation distanced $d = 1.2 \sqrt{P}$ 150kHz-80MHz $d = 1.2 \sqrt{P}$ 80MHz-800MHz $d = 2.3 \sqrt{P}$ 800MHz-1.0GHz

			<p>In Formula: P -- based on the transmitter manufacturer's maximum rated output power of the transmitter, in watts (W); d -- is the recommended isolation distance, measured in meters (m). The field strength of a fixed RF transmitter is determined by surveying the electromagnetic site A and should be lower than the coincidence level b in each frequency range. Interference may occur near devices marked with the following symbols.</p>
--	--	--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

NOTE 1: At 80MHz and 800MHz frequencies, the formula for higher frequency bands is used.

NOTE 2: These guidelines may not be suitable for all situations, electromagnetic propagation is affected by the absorption and reflection of buildings, objects and the human body.

- A. The field strength of stationary transmitters, such as wireless (cellular/cordless) telephone and ground mobile radio base stations, amateur radio, AM and FM radio broadcasts and television broadcasts, cannot be accurately predicted in theory. In order to assess the electromagnetic environment of a fixed RF transmitter, the electromagnetic site survey should be considered. If the measured Electric wheelchair (MOB1140) is located at a field strength higher than the applicable RF conformance level described above, the Electric wheelchair (MOB1140) should be observed to verify its normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or repositioning the Electric wheelchair (MOB1140).
- B. In the whole frequency range of 150kHz-80MHz, the field strength should be less than 3V/ M.

Recommended isolation distances between portable and mobile RF communication equipment and equipment (MOB1140) The Electric wheelchair (MOB1140) is intended for use in electromagnetic environments where radio frequency radiation disturbance is controlled. Depending on the maximum rated output power of the communication equipment, the purchaser or user can protect against electromagnetic interference by maintaining the minimum distance between the portable and mobile RF communication equipment (transmitter) and the equipment (MOB1140) as recommended below.

Maximum rated output power of transmitter W	The isolation distance /m corresponding to different frequencies of the transmitter		
	150kHz - 80MHz $d = 1.2 \sqrt{P}$	150kHz - 80MHz $d = 1.2 \sqrt{P}$	800MHz - 1.0GHz $d = 2.3 \sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For the maximum rated output power of the transmitter not listed in the table above, the recommended isolation distance d , in meters (m), can be determined by the formula in the corresponding transmitter frequency column, where P is the maximum rated output power of the transmitter provided by the transmitter manufacturer. In watts (W).

NOTE 1: At the 80MHz and 800MHz frequency points, the formula for the higher frequency band is used.

NOTE 2: These guidelines may not be suitable for all situations, electromagnetic propagation is affected by the absorption and reflection of buildings, objects and the human body.

Attention!

Our company's electric wheelchair products have unique identification of the wheelchair and battery charger model or other information.

ENVIRONMENTAL PROTECTION REQUIREMENTS

Our company advocates environmental protection and low-carbon consumption experience, it is recommended that users who have products do not need this product, should comply with the relevant laws and regulations of waste electrical and electronic products recycling, and give it to the local manufacturers with nationally recognized recycling qualifications for processing, reduce resource waste and protect the earth's natural environment.

SERVICE CARD

Distributor:	Product Number:	
Model:	Factory date:	
Buyer:	Contact number:	
Address:		
Quality warranty You can enjoy the following repair services for your purchased products: Motor, battery, controller, rocker and frame warranty period of 12 months; During the warranty period, free maintenance.		
Service record	Time	Inner volume

NOTE:

1. If your contact information has changed, please inform us in time!
2. The replacement parts belong to the company.
3. tires, armrests, cushions and other wearing parts are not within the warranty;

MedWatch is the Food and Drug Administration's (FDA) program for reporting serious reactions, product quality problems, therapeutic inequivalence/failure, and product use errors with human medical products, including drugs, biologic products, medical devices, dietary supplements, infant formula, and cosmetics.

If you think you or someone in your family has experienced a serious reaction to a medical product, you are encouraged to take the reporting form to your doctor. Your health care provider can provide clinical information based on your medical record that can help FDA evaluate your report.

However, we understand that for a variety of reasons, you may not wish to have the form filled out by your health care provider, or your health care provider may choose not to complete the form. Your health care provider is NOT required to report to the FDA. In these situations, you may complete the Online Reporting Form yourself.

You will receive an acknowledgement from FDA when your report is received. Reports are reviewed by FDA staff. You will be personally contacted only if we need additional information.

Submitting Adverse Event Reports to FDA

Use one of the methods below to submit voluntary adverse event reports to the FDA:

- a. Report Online at www.accessdata.fda.gov/scripts/medwatch/index.cfm?action=reporting.home
- b. Consumer Reporting Form FDA 3500B. Follow the instructions on the form to either fax or mail it in for submission. For help filling out the form, see MedWatchLearn. The form is available at www.fda.gov/downloads/aboutFDA/reportsmanualsforms/forms/ucm349464.pdf
- c. Call FDA at 1-800-FDA-1088 to report by telephone Reporting Form FDA 3500 commonly used by health professionals. The form is available at www.fda.gov/downloads/aboutFDA/report-manualsforms/forms/ucm163919.pdf

THE MAIN TECHNICAL PARAMETERS OF ELECTRIC WHEELCHAIRS

Main dimensions and structural parameters

Overall dimension: 40"*29"*36"

Folding Width: 24.5"

Overall length: 40"

Overall width: 29"

Total height: 36"

Seat width: 18"

Seat depth: 16"

Seat height (front end): 21.25"

Armrest height: 9"

Backrest height: 18.5"

Front and rear wheel specifications:

front wheel diameter 7.75", rear wheel diameter 9.75"

Electrical parameter

Electric Motor Type: Brushless

Nominal Voltage: DC24V

Rated power: 150W*2

Battery:

Rated capacity: 6Ah

Rated voltage: DC24V

Quantity: 1

Charger

Power supply: AC100~240V 50/60Hz

Maximum output current: 2A

Controller

Maximum output current: 35A

Performance parameter

Maximum speed: 6 km/h

Static stability uphill: 9°

Dynamic Stability: 6°

Braking Performance: ≤1500 mm (≤59.06 in)

Minimum Turning Radius: ≤1200 mm (≤47.24 in)

Theoretical driving distance: 12 (km) (7.5 miles)

Total weight of Device (without battery): 19 kg (41.9 lbs)

Total weight: 21.5 Kg

Maximum user quality: 100 kg

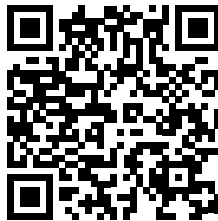
PRECAUTION AND WARNING

1. Don't operate the motorized wheelchair until you have read the instructions.
2. The total weight of people and things shall not exceed the maximum allowable load (see nameplate).
3. Don't exceed the maximum allowable gradient.
4. Don't go uphill or downhill at maximum speed, otherwise there is danger of rolling over.
5. Don't drive on very smooth or soft surfaces, such as smooth tiles, mud, sand, grass, etc.
6. Don't drive on slopes without guardrails.
7. Don't drive on the motorway.
8. Don't turn or drive sideways on ramps, otherwise there is danger of overturning.
9. Don't turn or drive laterally on the ramp, or you may roll over. Do not reverse on the ramp, or you may roll over.
10. Don't climb above the maximum permissible barrier height.
11. Don't drag the goods.
12. Please fasten your seat belt when using the power wheelchair.
13. Keep your feet and hands on the pedals and armrests at all times.
14. For the first time, please practice the wheelchair in the open before you can go on the road.
15. Please pay attention and don't be distracted when the wheelchair is driving.
16. Please use the crosswalk when crossing the street.
17. Please pay attention to the power display during wheelchair driving.
18. Don't cross the road when the power is low, so as not to run out of power halfway.
19. If the wheelchair is not used for a long time, it should be folded and stored in a dry and ventilated place.
20. The wheelchairs should not be stored in high temperature and humidity.



HAVE MORE QUESTIONS?

Check out our list of Frequently Asked Questions at vivehealth.link/uf1 for helpful answers.



And if that doesn't answer your question, our customer service team would love to help! Feel free to connect with them by phone, e-mail, or chat on our website

service@vivehealth.com
1-800-487-3808
vivehealth.com

Distributed by

The Vive Health logo, consisting of the word "vive" in a bold, teal, lowercase sans-serif font above the word "health" in a smaller, teal, lowercase sans-serif font.

8955 Fontana Del Sol Way
Naples, FL 34109
Made in China