

FlyteMax2 Powerchair



TopGun
Mobility

Mobility & Homecare Specialists

USER MANUAL

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Thank you for choosing Top Gun Mobility for your portable powerchair transportation needs. Congratulations on your choice of Powerchair, which will provide you with years of dependable service with proper use and care.

It is important to read through this User Manual before operating your Top Gun Mobility Powerchair to become familiar with its features as well as its limitations and safety information. You will find the operation and care of your Top Gun Mobility Powerchair very simple and easy; however, should you have any questions please don't hesitate to contact your local Retailer.

Recommendation

This manual serves as the ultimate guideline for you and your assistant or caretaker who's helping you with operating this powerchair. Read this manual carefully and review it often until you are certain how to handle every operation of this powerchair.

Top Gun Mobility and its affiliates cannot be held responsible for personal injuries or property damage caused by improper handling of the powerchair.



























Your opinions are very important to us – if you have any comments on the functionality and safety of this powerchair, or the contents of this manual, please feel free to contact with your local Retailer, distributor or Top Gun Mobility.

Please note details contained within this User Manual are accurate as at time of print and subject to change without prior notification. Please use due diligence when deciding if this product is right for you.



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SYMBOLS

	Humidity limitation		Temperature limitation
	Store in clean & dry place protected from rain, snow, ice, salt and water.		Protect from heat and radioactive sources
	Danger of explosion		Package Number
	Keep dry		Foot Switch
	Equipotential		CF application part
	Switch		Fuse
	PCTB		Volume control
	Disposal and recycling only authorized recycling companies can recycle parts of this mobility wheelchair		Do use cel phone, remote speakers, note book computer or other wireless ejecting device while operating the unit.
	Do not adapt battery which is with different capacity and wrong model number. Never combine use long time used battery with new battery at the same time, always change batteries in brand new condition.		Implication of flammable material. Do not expose under fire, fire sparkles and other heat sources conditions. Never transport batteries along with torch easy explosive items or flammable materials.
	Keep away other metal related items or tools away from the negative and positive terminal end to avoid any short cut or electricity shock from happening.		Avoid contacting with rain, snow, ice, salt and keeping in water, keep under clean and dry ambience.
	Easy to be crashed, crashing spot		The product has passed electromagnetic test of 20 V/M.
	With potential explosion		Battery contains anti-corosion chemical substance.
Power	100~240VAC, 50~60 Hz		Type 2 device
DC output	+29.4V  2.0A	Frequency	500VA

1. The user must perform all the procedures in this manual.
2. This product is suitable for users aged between 18-75 years old.
3. Do not drive on the highway.
4. Don't cross gaps that are over 10cm wide.
5. Don't try to overpass obstacles that are 4cm or more in height.
6. This powerchair is suitable for both outdoor and indoor use, hospitals, senior centre, family, or similar circumstances.
7. Suitable environment for using this powerchair:
 - a) Temperature – 10 – 50+°C, Atmospheric pressure 860-1060hPa, Humidity 10% - 93%.
8. Power Source Condition:
 - a) Charging Voltage AC (100-240) V ± 10%, 50 ± 1Hz, Battery Voltage DC 24V (+5%, -10%), Power of Motor ≥180W environmental conditions that might be harmful to the powerchair (e.g. inclines greater than 8 degrees, rain, snow, ice, etc.), such as temperature and humidity.
9. Operate Powerchair after it is unfolded and only allow one person in a powerchair at a time.

Weight Limitations | Safe Working Load (SWL):

- The Powerchair is tested with simulation of human model at **150kgs safe working load**.
- Your Powerchair is rated for a maximum safe working load. Please refer to the product specifications table for this limit. **Keep in mind that the maximum safe working load includes the combined weight of the user and any accessories mounted to the Powerchair.** Stay within the specified safe working load of your Powerchair. Exceeding the safe working load voids your warranty. We will not be held responsible for injuries and/or property damage resulting from failure to observe weight limitations.

WARNING! We are not responsible for any damage caused due to exceeding 150kg (SWL).

WARNING! Not to drive on dangerous slopes.

WARNING! Not to drive backwards when going up and down a hill. Max grade ability is uphill 8°.

Statement

Indications for use:

It 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.

The FlyteMax2 Powerchair has a base with carbon fiber frame, two front wheels, two rear wheels, a seat, two electric motors, an electromagnetic brake, 1 x rechargeable Lithium-Ion Battery with an off-board charger. The movement of the powerchair is controlled by the rider who operates the throttle lever/controller. The device is installed with an electromagnetic brake that will engage automatically when the powerchair is not in use and the brakes cannot be used manually. The powerchair only can be operated on a flat road.

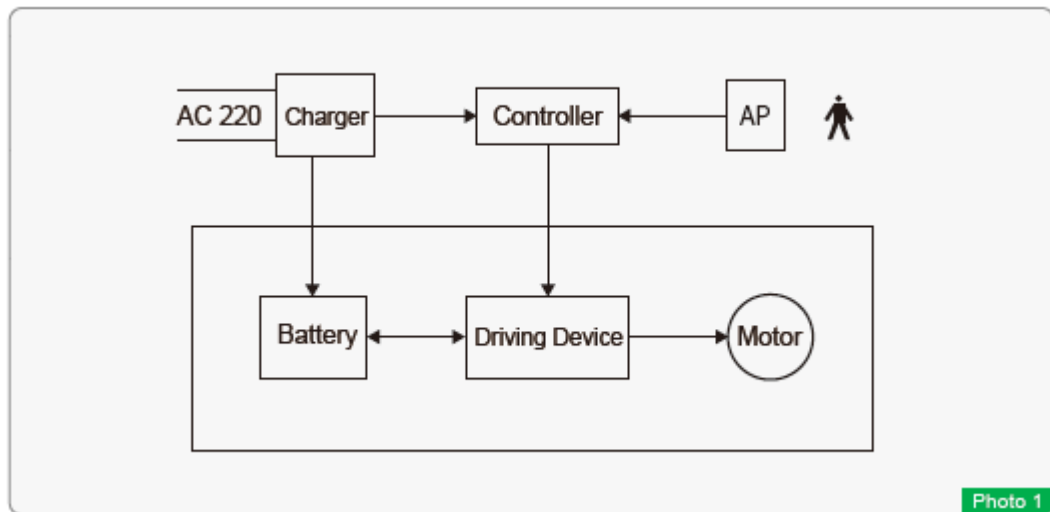


Please read this manual carefully and understand everything clearly before using the Electric Powerchair for the first time.

Please do not use the Powerchair in any unclear cases, otherwise, the product may be damaged, or people may get hurt. Please pay attention to the warnings and cautions in this manual. We are not responsible for any injury and damage caused by wrong use of this product and neglect of warnings and cautions.

Instructions

1. Improper use will cause death or serious injury.
2. Improper use will cause damage to the powerchair.
3. Comply with the manual to keep the powerchair in good condition.
4. **DO NOT make sharp turns at high speed or on inclines or reverse direction abruptly.**
5. **DO NOT utilize brake release / freewheeling option on any incline without assistance to control motion.**
6. To avoid danger of suffocation, keep all the plastic bags in the package away from babies and children.
7. Do not use the plastic bag in cribs, beds, carriages or playpens. The plastic bag is not a toy.



Product Features

1. **Based on Electric Shock Proof Classification:** Classified as internal power type device during operation, it is type 2 device when it comes to charging.
2. **Based on the classification of the electric shock proof:** It belongs to B type applicable section.
3. Based on classification of liquidity proof: IPX 4.
4. Based on the safety classification of using combustible anaesthetic gas mixed with air, Oxygen, of flammable anaesthetic gas mixed with nitrous oxide.
5. Classification of running mode: Continuously running mode.
6. Rated voltage and frequency: Internal power DC 24, Charger AC 220 V/ 50Hz.
7. There is no applicable protection of defibrillation discharge effect.
8. There is no signal input.
9. The product does not belong to internal installation.
10. **For electrical insulation diagram, please refer to the picture above (Photo 1).**

SPECIFICATIONS



Weight	15.6kg (Without Battery) 20.5kg (With Battery)
Safe Working Load (SWL)	150kg
Operational Range	Up to 25km
Motor Type	Brushless Motor / 2PCS
Motor Power	180W
Battery	Ternary Lithium Battery
Battery Voltage	24V
Battery Charge Time	Up To 6hrs
Controller	Brushless Controller
Turning Radius	700mm
Maximum Speed	Up to 6km/hr
Front Wheel	7" PU Solid Tyre
Rear Wheel	8" PU Solid Tyre
Tyre Material	PU Solid Tyre
Seat Width	50cm
Seat Depth	45cm
Seat Height	56cm
Ground Clearance	6cm
Maximum Climbing Grade	6-8° (subject to user weight & surrounding conditions)
Foot Height	16cm
Brake System	Electromagnetic Brake
Brake Distance	100cm
Distance Between Armrest	50cm
Distance Between Footrest – Seat Cushion	40cm
Unfolded Dimensions (L x W x H)	95 x 59 x 96cm
Folded Dimensions (L x W x H)	33 x 59 x 79cm

SPECIFICATION DIAGRAM



FOR USERS

Keep metal objects away from positive and negative terminals of the battery to avoid getting electrocuted or shocked by causing a short circuit.

1. Carefully read through the instructions or get guidance from a professional or nursing staff who are familiar with the product.
2. Always have a full understanding of the powerchair prior to operating the powerchair.
3. Always practice moving forward, reversing, and driving over obstacles until your familiar with the powerchair.
4. Make sure you are fully aware of your surroundings if you are wanting to try a new action.
5. Have a clear understanding of the area and direction you would like to go with the powerchair ensuring you keep away from hazards.

FOR CAREGIVERS

ENGAGE FREEWHEEL MODE

1. The power switch must be turned off, the freewheel lever on the left and right must be switched to manual mode before pushing the powerchair by hand. Once the levers are switched to manual mode the motors will be turned off.
2. Always push the powerchair from behind the backrest when it is in freewheel mode. This way is safer, and it keeps reliable force to prevent the powerchair from overturning. Make sure the folding and unfolding buckles are securely locked.
3. Make sure you always cooperate with the user, particularly prior to each action, inform the user on your intentions and actions of the powerchair.
4. To protect the back of the user from injury while overcoming obstacles, bend your knees slightly and keep your back upright.
5. Inform the user that you're leaning against the powerchair as you are about to lift the back of the powerchair up.
6. Never go directly up and down stairs or stages, there is potential danger of falling off or rolling when turning a corner or climbing up and down. Do not go uphill or downhill under manual mode, this can have the risk of slipping.

PRECAUTIONS ON THE CONTROLLER

Note: Adjust the installed position of the joystick controller to protect from any risk of bumping into something or falling.

1. Inspect and adjust the installation of the joystick every six months, or as often as necessary.
2. Contact your local retailer or distributor if the control panel of the joystick controller is abnormal or the joystick malfunctions.

PRECAUTIONS OF POWERCHAIR – NOT UNDER MOVING STATUS

1. Power off the powerchair when it is stopped, even if it is a short time stopping. This will prevent any accidental touch of the joystick by anyone and the powerchair moving.
2. Make sure any helper understands the joystick functions, and that there is no accidental touch to make the powerchair move unexpectedly.



1. This electric powerchair is not suitable for use in heavy rain, snow, or ice. Contact with water or excessive humidity will lead to electrical failure.

WARNING!

Avoid malfunction of the powerchair:

- Do not place or keep the electric powerchair under direct impact of water (such as heavy rain) or in a very humid environment.
 - Please do not use this electric powerchair while bathing, sauna or swimming.
 - Please do not use this electric powerchair near water sources (such as rivers, lakes or oceans).
 - Please ensure that the battery charging cover is closed.
 - If the joystick is damaged, please replace the joystick device.
 - Ensure that all electrical connectors are secured and not loose.
 - **Do not wash this electric powerchair with water. If the electric powerchair is soaked, please remove the battery and dry the electric powerchair as soon as possible. Insert it into the battery holder for reuse.**
-
- When you are unable to avoid operating the electric Powerchair on wet or smooth ground, please be careful and keep at very slow speed.
 - If one or two main wheels appear to have lost traction, **STOP** the powerchair **immediately** to avoid getting out of control or falling.
 - If there is any snow, ice, water or oil film on any slope or ramp, please do not drive on it.
 - If you are unsure of the safety conditions, please always ask for help.

SUITABLE SURFACES

1. The electric Powerchair is only suitable for roads with concrete, asphalt and indoor floor surfaces.
2. **Do not drive on sandy soil, loose soil or rough and rugged terrain to avoid any damage to the wheels, bearings, shafts or motors, or loosening of parts.**

DRIVING ON ROADS

Most countries and regions are illegal for powerchairs to drive on motor vehicle roads. It is dangerous for electric powerchairs to drive on roads or parking lots.

1. When driving at night or in the dark, reflective stickers attached to the powerchair are helpful. For safety concerns the user can also wear a garment with reflective material.
2. When you come across other vehicles, make sure the drivers of vehicles can notice you easily. Have eye contact with the driver before you continue. Communicate and allow the driver to understand your intention. Only proceed when you are convinced that it is safe to do so.



SAFETY TIPS

1. Do not drive the powerchair through traffic, such as buses, subways, trains, planes and ships.
2. If you must drive a powerchair, you should be accompanied by someone to help you find a reliable place to park, help you fasten your seat belt and turn off the power supply of the powerchair.
3. If the user drives the powerchair alone, it is necessary to find a place where the wheels or the whole powerchair can be fixed and parked, this helps to avoid injury of sudden braking or traffic accidents.
4. Don't keep the powerchair in the front of any vehicle, because of interfering with the driving of the vehicle driver.
5. To get on and off a bus, if necessary to lift the user together with the electric powerchair, please hold the edge of the seat cushion frame, never hold the armrest or the rear backrest frame.

BALANCE WHILE DRIVING

The powerchair should be kept balanced and stable to center gravity while driving to avoid overturning during the process of going forward and reversing. The balance of the center of gravity is affected by the following factors:

1. The seat height and angle.
2. Dynamic body position, posture or weight distribution of user.
3. The angle of ramp or slope.
4. Change load and weight distribution of the powerchair by applying a backpack or another object.

If modifying or adjusting this powerchair is required, please consult with your Retailer in advance, a modification plan should be authorized by the manufacturer in writing. The modification of the powerchair could have additional adjustments to correct the center of gravity. When the powerchair has been modified, be especially careful to familiarize yourself with the balance point of the powerchair and master the ways to avoid falling or overturning.

Precautions for getting on/off electric Powerchairs

1. When you are ready to sit in the powerchair, please make sure you turn off the power first to avoid accidentally bumping the joystick, resulting in the chair moving unexpectedly.
2. Learn the safest way to get on and off from your health care professionals; the way to position your body and properly support yourself in the process of moving.
3. Ask for help until you can safely get on and off the powerchair alone.

The correct way to get on/off an electric Powerchair

1. Keep the powerchair as close as possible where you want to sit. If possible, use a conversion board.
2. Rotate the front casters as forward as possible.
3. Don't stand on the foot pedal to move your body, it may lead to harm or an accident.
4. Make sure your feet are not caught between the gaps of the pedals.
5. Ensure that your intended path is not blocked or interfered with by handrails.
6. Move to the seat as soon as possible, it reduces the risk of missing the seat and falling.

Be careful every time you move yourself, have a support point that is not lower than the seat cushion surface.



BODY PART EXTENDING

Body part extending, leaning and stretching will affect the balance of center gravity of the powerchair, which may cause you to fall or turn over with improper operation. Follow the key points below to reduce the risk of physical injury and damage:

1. If changing your body center of gravity (including raising your body sideways or leaving the seat), please don't lean beyond the range of seat cushion of the powerchair.
2. When moving forward in your seat, please don't lean over. Always keep your hips and lower back in contact with the backrest.
3. Don't try to reach or pick up things which are far away, in case you lose your balance and fall.
4. Under no circumstances should you try to pick up articles from between your knees or in front of your body.
5. Don't put pressure on the pedals when your body is extended, in case of falling off.
6. Don't lean against the top of the seat backrest to prevent the powerchair from falling and damaging the backrest.



Remember:

Move your powerchair as close as possible to where you want to get on or off. Rotate the front casters until they are as forward as possible. This will make the powerchair more stable.

Note:

If you move your powerchair beyond the target you want to reach, take the time to reposition yourself to the correct position by reversing and approaching again as this will rotate the castors to the correct position. Once you reach the desired position, turn off the power of the powerchair. If the powerchair tilts to one side, hold the handrail tightly with one hand while leaning; this will prevent you from falling.

OVERPASSING OBSTACLES

You may need to overcome some obstacles in daily use, including doorsill, elevator, ramp, pit and broken pavement, etc. Improper operation may damage your electric Powerchair and cause personal injury.

1. Note that the threshold is very dangerous. Even a small height may jam the casters and tilt the powerchair or rollover, it is recommended that remove the threshold of the room or cover the threshold to slope. Install a ramp to access door.
2. When you move the electric Powerchair, please carefully check the area you want to pass, make sure the place where you use powerchair can smoothly and safely cross obstacles.
3. Adjust your center of gravity by the following methods: When about to cross an obstacle or pass a section from low to high, slightly tilt your upper body forward. When passing through a section from high to low, upper body should press back.

REVERSING

Take extra care when reversing. If the rear wheel hits an object, you may lose control of the powerchair and fall.

1. When reversing, please always slow down.
2. Check from time to time to ensure that there are no obstacles endangering your safety on the road.

DRIVING ON INCLINED/SLOPES/HILLSIDES

When on the slope, the balance center of gravity of the powerchair will change. Note if it is not sure about the safety of using this powerchair on a slope, please use it with some help, and be sure not to use it alone.

1. For your safety, please don't use this powerchair on a slope with a maximum gradient above 8°.
2. Please don't use the powerchair on slippery slopes (such as snow, ice, water or oily film).
3. Please don't use this powerchair when the road surface on the slope has ups and downs, (ups and downs, bumps and depressions).
4. If there is a small pit at the bottom of the slope, please do not use this powerchair to cross it.

WEIGHT RESTRICTIONS

1. The maximum safe working load (SWL) of this powerchair is 150kgs, and the load in use should not exceed this safe working load.
2. The safe working load of the rear backrest is less than 75kgs, it is not allowed to press down or lift the rear backrest.
3. Under no circumstances, do weight training on this powerchair, even if the user's weight is added with the lifted weight. The sum of the quantity does not exceed the safe working load of the powerchair.
1. In use, the load exceeding the safe working load may damage the seat, frame, fasteners, folding mechanism, etc. And may seriously hurt you or other people, it may also damage or scrap the powerchair.
2. No warranty is provided for problems caused by the load exceeding the safe working load.

GOING UP/DOWNSTAIRS

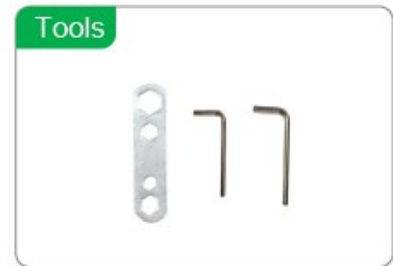
This powerchair is not to be used for going up and down stairs or escalators.

Always pay attention to the following warnings when using the elevator:

- Do not use escalators (stepped elevators) between floors to move powerchairs, to avoid serious accidents and personal injury.
- You can use the up-and-down elevator when sitting in a powerchair.
- Please operate the powerchair after the elevator door is opened and ensure that the elevator door is always open when the powerchair enters and exits the elevator.
- When you want to move a powerchair through stairs between floors, you should operate according to the following specifications
- Get off the powerchair.
- Before folding the powerchair, the upper controller must be closed and removed. When moving the powerchair up and down the stairs, do not have any impact on the powerchair.

INSTALLATION SETUP

Your FlyteMax2 Powerchair will arrive carefully packaged in a cardboard box. Open the top of the box then turn the box on the side for easier pulling out the chair and contents.



To expand the FlyteMax2, grasp the push bar and pull up while holding down on the seat to expand the chair and complete the assembly. (See Photo)



Continue to expand the chair into a seated position until you hear a **CLICK** indicating it has locked into the seated position.



Locate the seat cushion and the backrest cushion provided. Orientate the seat cushion such that the rear of the seat and the Velcro on the bottom of the seat cushion aligns with the Velcro on the seat.

Install the controller into the open slot on the arm of the chair, on the right side (if needed, the user can change to the left side). Tighten the knob located under the armrest to secure the controller in place.



Connect the controller wire harness to the CPU wire harness. Take care to line up the pins properly as the arrows indicate, so that they do not get bent, broken or damaged.



SEAT BELT INSTALLATION

The seat belt plays a role of restraining displacement and buffering, preventing user from sliding down the seat forward. The seat belt can be adjusted according to the user's comfort. In case of accidents, it will firmly hold the user to the seat to prevent personal injury caused by secondary collision.

1. Install Seat Belt: Ensure that the seat belt has bound the waist of the body with the lower part of the backrest frame of the powerchair
2. Adjust The Seat Belt According to The Users Comfort: Make sure the buckle makes a clicking sound. Adjust the safety belt to an appropriate length, don't make it too tight causing discomfort.
3. Unbuckle Your Seat Belt: Press the button on buckle to unbuckle.

Make sure that the seat belt is properly fixed on the powerchair and adjusted to the most comfortable state for the user. Check whether the seat belt is loose or damaged. If you find a problem, please contact the Retailer for maintenance and repair.

INSTALL THE BATTERY

Grasp the battery handle, align the bottom end of the battery with the notch of the battery protection box and insert it. (Make sure the battery is inserted all the way so that the battery box wrench snaps into the slot of the battery protection box)



REMOVE THE BATTERY

Press the wrench under the battery with your finger, and at the same time grab the handle of the battery box and pull it out.



Please ensure that the power to the Powerchair is turned off before performing this operation.

FOLDING AND UNFOLDING

Make sure all the attached parts are fastened properly after any adjustment, repair or maintenance, to avoid any damage or injury. While it is necessary to lift to move the powerchair, it is strongly recommended users get off the powerchair first. If the user must stay in the powerchair for lifting and moving at the same time, make sure all safety measures are followed. Do not hold the attaching part for lifting and moving powerchair.

STEPS FOR POWERCHAIR FOLDING

1. Push down the red button with one hand and push the top of backrest toward front with another hand.
2. Hold top of backrest frame with one hand, the other hand lifts the front seat base under seat cushion, then both hands push to the center of chair for folding.
3. Push top of back rest and front end of seat together.
4. Fold foot pedal.

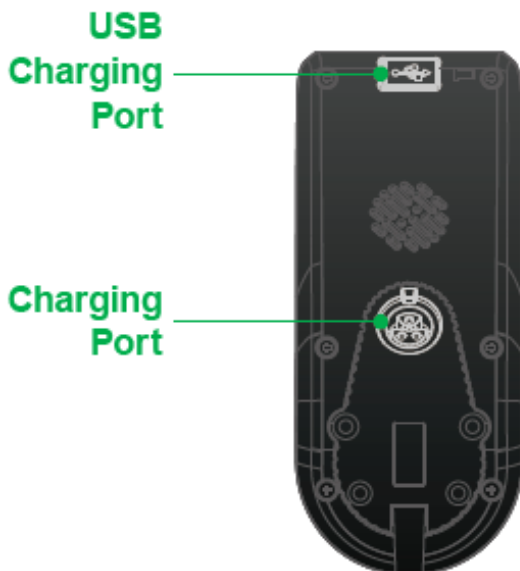


STEPS FOR POWERCHAIR UNFOLDING

1. Unfold foot pedal first.
2. Hold the top of the backrest with one hand, the other hand holds the front end of seat.
3. Both hands push away till a "Click" sound is heard for completely unfold the powerchair.



CONTROLLER AND DRIVING TIPS



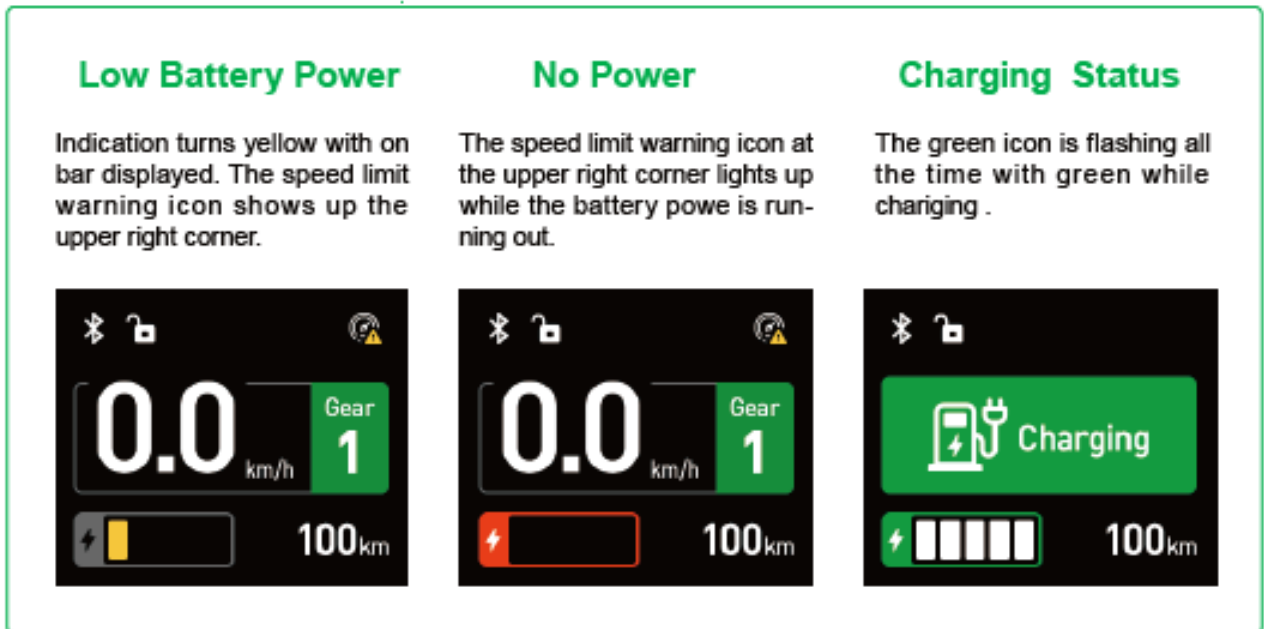
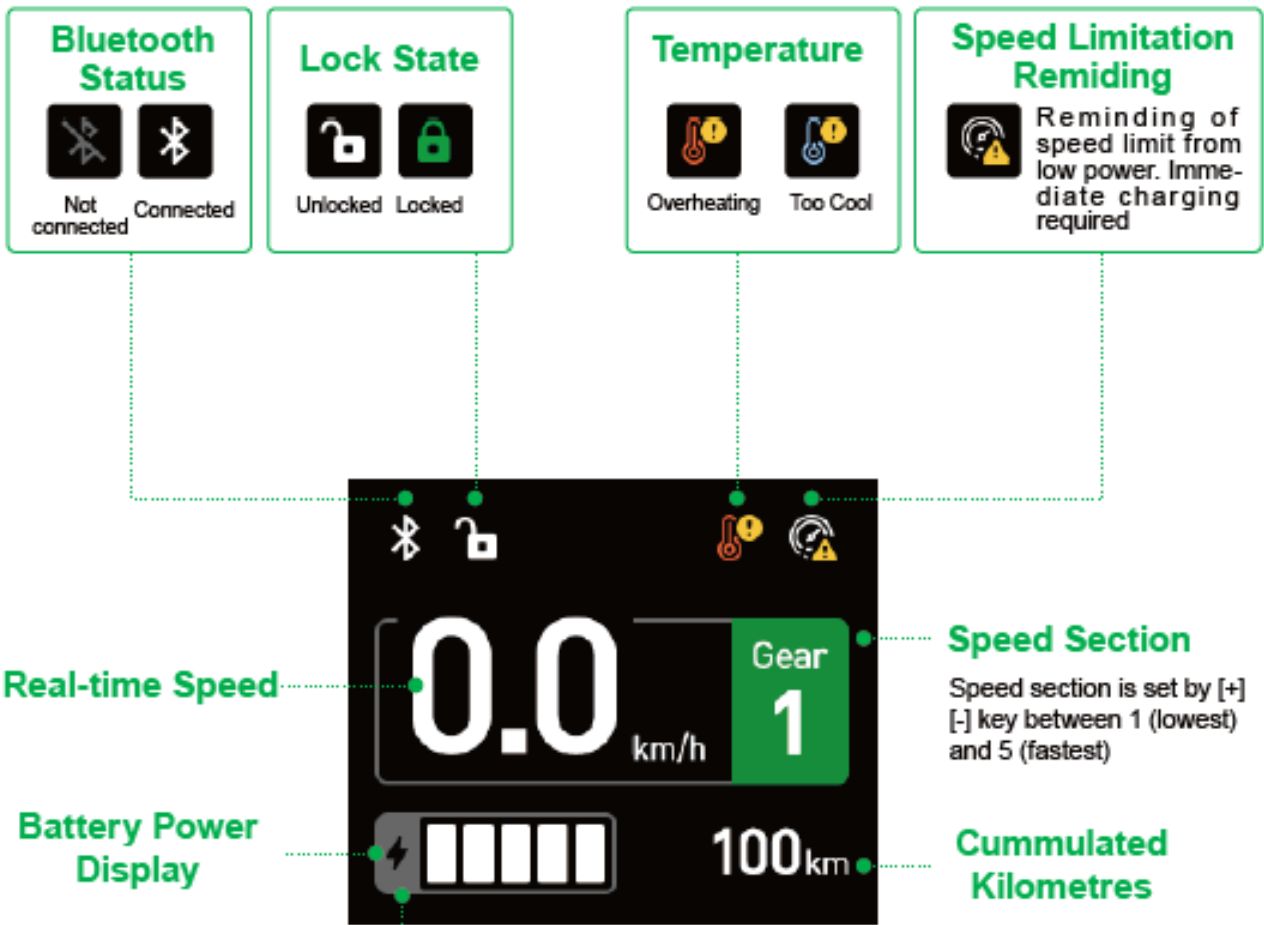
WARNING!

1. Never do a sharp turn while at high speed.
2. Unable to follow the "Warning" signs may cause tilting of the powerchair because of injury or product damage.
3. The location of joystick is at lower part of the control panel for controlling the speed and direction smoothly. With 360 omni-directional rotation performance, convenience of operation, there is a spring designed for returning to the initial intermediate status.
4. Push the joystick toward the direction desired, the joystick has the function to control the driving proportionally. The greater the push, the faster the speed will be. The top speed is limited to 6 km/h.
5. To slow down the speed of the electric Powerchair, reduce the pushing of joystick forward. The electric Powerchair automatically slows down and adjusts direction in the slightest way.
6. Learn how to drive an electric Powerchair at the very beginning, try at slow speed and move lightly. Gently tilt the joystick forward at lowest speed; these practices will help you learn how to control the electric Powerchair before the user is familiar fully, including controlling, starting and stopping the electric Powerchair smoothly.

JOYSTICK OPERATIONAL DIRECTION

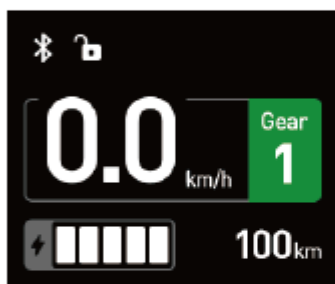
The joystick allows you to control the forward, backward, left and right turning, acceleration, deceleration and parking of the powerchair.





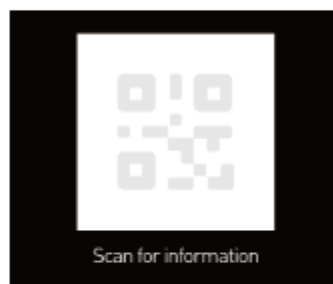


Press the left or right button for 5 seconds to select the page desired, three pages available in total



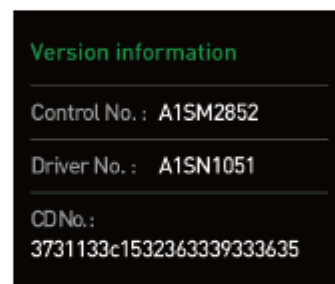
Main Page

The first displayed page when power on



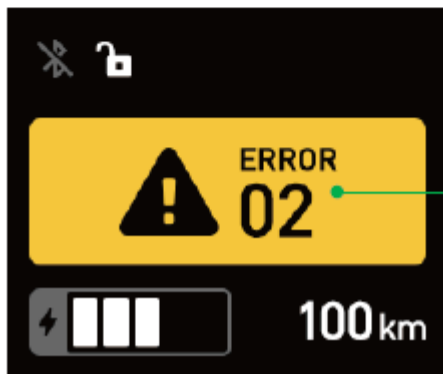
QR Code Page

Scan code to obtain information, such as device ID



Equipment Number Page

Display information of device ID and firmware version



Fault Reminding Pup Up

Fault code reminding please refer to Faults and Troubleshooting for the cause and solution. If you are unable solve the trouble yourself, please contact after sales at once.

* [Common faults and troubleshooting methods] Please refer to the page 39.

USE OF BATTERY

Your FlyetMax2 powerchair will arrive with a fully charged battery, which should last about 20km under normal operation conditions. We recommend that you run the FlyteMax2 Powerchair until the battery is completely flat to get the most out of the battery life.

- Do not use batteries with different capacities, brand and type while replacing the battery. The original battery should be replaced, and all existing batteries should be replaced together. Do not mix the old and new batteries.
- The positive and negative electrodes of the battery cannot relate to conductive objects such as metal, which may cause short circuits or electric shock.
- Keep away from flammable material. Do not approach or expose your powerchair to heat sources, such as open flames or sparks. When transporting batteries, do not place them with flammable or combustible material.
- There are corrosive chemicals in the battery. It is forbidden to disassemble the battery without permission.
- It is not allowed to short-circuit the battery or put the battery into the fire to avoid explosion accidents.

FIRST CHARGING METHOD

Charge the battery at the same time via controller charge port.

- Turn the power off.
- Plug in the charger to the controller port. Please notice connect the charger cable first, then turn on the power.

WARNING!

Do not charge continuously for over 6 hours through the charging port of controller to prevent over charging while the battery is connected to the socket contact on the frame.

1. Allow your powerchair to charge for 6 hours until fully charged or to when the LED light turns green on the charger. Which means your batteries are fully charged.
2. Should you require them, the lights and what they mean are located on the back of the charger.

Definition of what the light Colours mean:

GREEN colour indicates fully charged.

RED battery is charging.



SECOND CHARGING METHOD

- Turn off the main power
- Flip open the charger port protector on the front of the battery.
- Use the secondary charger pigtail to adapt the battery charger to plug into the battery directly.



1. Keep charging time of the battery to 6 hours when it comes to off board charging to avoid overcharging.
 2. Immediately unplug charger from power source as soon as indicating light on charger turns green.
- No operation of the powerchair is allowed while it is in the process of charging the battery. It is required to unplug the charger from the power source prior to operating the powerchair.
 - Charging cycles is 500 times for single battery life extend.

CHARGING TIPS

- When charging a powerchair, it is better to directly charge the batteries through joystick controller. Don't charge the battery while the battery is in the vehicle. All batteries must be fully charged before using the powerchair.
- Do not directly connect the battery terminal with the battery clipper or metal cable trying to charge the battery.
- Never use the powerchair while the battery is charging. Do not choose a non-standard power supply (such as generators or inverters), even though their voltage and frequency meet the requirements.
- Keep the power cord free from being trampled, squeezed or severely bent, especially at the port. Prevent power cord from being yanked or knotted.
- Keep children and pets away from the power cord, and don't let them bite and chew the power cord. Please hold the plug for pulling it out to unplug the power cord.
- Please unplug the charger immediately and contact the Retailer or professional technical personnel whence circuit breaker (circuit fuse) is stopped many times during charging,
- Always choose an original charger for charging, never use other charging devices instead.
- **Warning: Please stop driving and immediately charge or replace it with a fully charged battery, when the power red indicator is on.**
- **Warning: Please disconnect the charger immediately and do not touch the charger plug if the plug to the controller falls off during charging state. Please do not add additional batteries or make any modifications.**
- Charging in a place that complies with the fire control regulations, supervised during the charging process.
- The indications, such as warranty and performance of battery, mentioned in this manual are specific about lithium-ion battery.
- Charging the battery before the first time using the powerchair will reduce the service life of the battery. (It is highly recommended to use up the electricity of battery for the first time then charge too full)
- The new battery must be fully charged for the first time to ensure that the battery is fully activated after the very first use.
- It is recommended that the time for the battery charging is about 6-8 hours until the red light on the charger turns green. Always charge the battery if the powerchair is used.

- Charge the battery after use until it is fully charged completely. If the powerchair will not be used for a long time, please charge the electric powerchair once every 2 months, about 80% charge of the electricity each time. If there is no electricity for a long time, the battery will be damaged and will be unusable, and the powerchair will be seriously damaged.
- Never use batteries with wrong specifications, voltages and capacities, it may damage your powerchair, and affect the powerchair to stay at the best performance and effect.
- The charging cycle of the battery is 500 times or so, service life is 2-5 years. If the battery is damaged, it is always required to be replaced.

OVERDISCHARGE PROTECTIVE DEVICE

When the battery of the electric Powerchair is exhausted, the over discharge protective device will protect the battery from over discharge. When the over discharge protective device is activated, the maximum speed will be decreased. At this time, please charge the battery as soon as possible.

OVER CURRENT PROTECTION

This system is included on the powerchair and will shut off the current from the batteries if triggered, therefore shutting the motor down, which will ensure that the motor and battery do not experience damage.

CLEANING OF BATTERY SOCKET

1. Check whether there is corrosion at the positive and negative poles of the battery.
2. Check whether the battery and plastic battery box are assembled in place.
3. Use a battery cleaning tool to clean the battery socket.
4. Carefully clean up all metal particles and dust.
5. Do not let the battery material contact with skin, cloth or another item. Acidic substance that causes harm or damage and burn. If the material contacts skin, immediately wash the skin thoroughly with cold water. If the situation is serious or makes eye contact, please seek medical attention immediately.

FREEWHEEL MODE

To have a care giver push the powerchair, it must be put in Free Wheel Mode. This mode disengages the drive mechanism to the wheels, making them free to push manually. We recommend that you turn off the power of the powerchair when it is in this mode, both for safety and to save battery power.

To put the FlyteMax2 in Free Wheel Mode, come to a full stop and turn off the power on the controller. Push down on the two red levers located on each motor as shown.



Never transport the powerchair in a tie up system (electric mode), as the FlyteMax2 Powerchair is not compatible with them. Never sit in a powerchair and be transported in a moving vehicle. Do not place the folded power powerchair in the front seat with the driver where it can move and slide.

1. Turn off the power from the controller.
2. Remove seat cushion.
3. Push down the red button with one hand and push the top of backrest toward front with another hand to unlock the frame.
4. Fold the powerchair.
5. When folded, the seat cross bar can be used to move the powerchair easily.

DIRECTION FOR USE

1. **Transportation requirements:** Batteries should be packed into boxes for transportation. During transportation, severe vibration, impact or extrusion should be prevented, and the batteries should be protected from the sun and rain, when transported by car, train, ship, plane and other means of transportation.
2. **Storage requirements:** The battery should be stored in a clean, dry and ventilated room with an ambient temperature of $-5^{\circ}\text{C} \sim 35^{\circ}\text{C}$ and a relative humidity of no more than 75%. Avoid contact with corrosive substances and keep away from fire and heat source.
3. The main material of this product is carbon fiber. The product can be used to replace the running and walking function of potential users with mobility disorder having no trauma. It belongs to non-sterile medical devices, sterilization/disinfection process is not applicable. Cleaning method of the product: wipe with clean a soft paper or cloth.
4. Discarded batteries shall be collected and treated by qualified parties, and shall not be thrown at random, causing environmental pollution, to minimize risks.

Consumer Limited Warranty

Top Gun Mobility has provided information throughout the User Manual regarding proper usage and care of your Powerchair. Failure to adhere to this information will void the warranty of the Powerchair, it's parts and the batteries supplied by Top Gun Mobility.

The following warranty is granted only to the INITIAL Consumer who has purchased our product and commences on the Date of Purchase by the Consumer from an Authorized Top Gun Mobility' Provider. The Consumer must have proof of purchase from Top Gun Mobility or the authorised Powerchair provider to receive service.

The warranty covers the following Powerchair models:

FlyteMax2 Powerchair".

5 Year Warranty:

From the date of purchase from an authorized Top Gun Mobility' Retailer, in the event of defective materials or workmanship, Top Gun Mobility will repair or replace at our option any of the following structural frame components found to be defective by an authorized Top Gun Mobility representative.

- Structural Frame Components, including fork, seat post, and frame welds.
- Drivetrain, including differential and motor.



Two Year Warranty

Your Top Gun Mobility powerchair is fully guaranteed for two years from the date of your purchase against faults arising due to defects in manufacture or materials. This warranty does not detract from but is in addition to your legal rights.

All electronic parts, including controllers, batteries, brakes, and battery charges, have one year warranty. Servicing to the controller, batteries or battery charger must be carried out by your authorised Top Gun Mobility provider. Any attempt to open or dismantle these items renders the guarantee void on that item.

NOT COVERED UNDER WARRANTY

The guarantee does not extend to those items which may need replacement due to normal wear and tear (tyres, belts, bulbs, upholstery, plastic shrouds, motor brushes, fuses, and batteries), or damage to the product caused by misuse or accident for which Top Gun Mobility or its agent cannot be held responsible.

Note: An increase in operating noise DOES NOT constitute a defect. With normal wear and tear, operating noise is expected to increase.

Note: While charging batteries, it is normal for the battery charger to heat up. Heat coming from the battery charger does not constitute a defect.

TRANSPORT/CALL OUT COSTS

As the owner, you must bear the cost of transporting the unit to the Retailer or should you decide to have the Retailer come to you, you must bear the cost of the dealer/retailer's call out fee. Your dealer/retailer may choose to waive this cost, but this will be at the dealer/retailer's discretion only and separate to Top Gun Mobility's warranty terms and conditions.

Warranty Service Period:

The service intervals are every 500km or every twelve (12) months from date of purchase, whichever occurs first. We recommend using a Top Gun Mobility Service Provider. Proof of annual service (paid invoice receipts) must be kept and provided upon any warranty claim. This warranty will be void if annual servicing is not carried out.

Service Checks and Warranty Service:

Warranty service can be performed by an authorised Top Gun Mobility Provider / Local Mobility Powerchair Technician. Please contact your authorised Top Gun Mobility Provider for advice on the current cost affecting the service visit. Top Gun Mobility reserves the right to replace warranted part(s) with refurbished or new part(s) at our discretion. All labour charges, service calls, transportation costs or any other charge(s) associated with the installation of any warranted part(s) are the responsibility of the consumer. Warranty is for the replacement of the parts only and does not include freight for the replacement parts. Consumers are not to return any item(s) to Top Gun Mobility without prior written authorization. Any damages incurred while warranted part(s) are in transport are the sole responsibility of the consumer.

Commercial Use:

Any Top Gun Mobility products used in a commercial application will only be covered by a 12-month warranty from the purchase date and will be excluded from any coverage mentioned in the warranty relating to 5 (five); 3 (three) or 2(two) year warranty. All other conditions in this warranty will apply.

There is no other express warranty.

Implied warranties including those of merchantability and fitness for a particular purpose are excluded. Liabilities for consequential damages are excluded. This warranty gives you specific rights and you may also have other rights which may vary from state to state.

SERVICE RECORD

Certification, by signature and stamp, of an Authorised Top Gun Mobility Retailer/Repairer is required to verify that the recommended routine maintenance has been performed on this Mobility Powerchair. An accurate record is necessary to protect your warranty.

Always present this book or a record to the Retailer when routine maintenance is performed or when warranty repairs are requested. Service intervals are required as per Maintenance Schedule section of this User Manual.



Technical Service, please scan the following QR code.



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User Manual & Warranty Booklet 2023