

FLYTEMAX HEAVY DUTY POWERCHAIR



TopGun
Mobility

Mobility & Homecare Specialists

USER MANUAL

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INTRODUCTION

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 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.

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.

Warning: Improper use may result in personal or serious injury.

Attention: Improper use will cause damage to your powerchair.

Propose: Always follow the instructions of this manual and keep your powerchair in good condition.

This manual contains a "daily maintenance checklist" keep this instruction manual in the pouch for future reference.

- Do not allow others to use your powerchair to prevent damage to the person and chair.
 - Due to quality improvements or design changes, the text and illustrations recorded in this manual will be slightly different. The company has the right to modify, please refer to the real powerchair.
 - If you do not understand what is in the manual, please speak with your Top Gun Mobility dealer as soon as possible.
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PRODUCT INTRODUCTION

Product performance:

Structural composition of the products

The FlyteMax HD is designed to give the user a smooth and safe feeling while driving. It is suitable for driving over flat surfaces with some minimal rough terrain, which is dependent on user ability, good conditions. It is not designed to be driven as a four-wheel drive vehicle.

This product is composed of a carbon fibre frame, control system, transmission system, seat cushion, backrest, armrest, wheel set, electric motor, storage battery and so on.

Scope of application of the products:

The product is suitable for only 1 person with a user weighing no more than 220kg, disabled or no complete walking ability.

SCHEMATICS

Controller Joystick





SPECIFICATIONS

SPECIFICATIONS	FLYTEMAX POWERCHAIR
Weight Without Battery	18.9kg
Safe Working Load (SWL)	220kg
Frame Material	Carbon Fibre
Operational Range	Up to 30km
Motor Power	250w 2 x Brushless motors
Battery	24V/20Ah Lithium Battery
Tyre Size Front	8" Solid
Tyre Size Rear	12" Solid, Honeycomb
Seat (W x D x H)	53 x 50 x 5cm
Height - Seat Cushion to Floor	58cm
Height - Armrest to Floor	79cm
Backrest Height	57cm
Max. Speed	6km/h
Dimensions (L x W x H)	113 x 72 x 105cm
Folded Dimensions (L x W x H)	88 x 72 x 43cm

SAFETY USE

MAIN SAFETY CHARACTERISTICS

- According to the shock protection type: internal power supply equipment.
- According to the degree of electric shock prevention classification: class B internal power supply class.
- According to the degree of protection of the inlet liquid: IPX 6
- Safety classification in the case of flammable anesthetic gas mixed with air or flammable anesthetic gas mixed with oxygen or nitrous oxide: non-AP / APG.
- Classification by operation mode: continuous operation.
- Rated voltage: Charger operating voltage: AC220V 50Hz internal power supply voltage: DC24V input power: 300VA.
- No fear of the application of defibrillation discharge effect protection part.
- No signal output part or the input part.
- Non-permanent equipment installed.

GENERAL DRIVING PRECAUTIONS

If any vehicle is used wrongly, it can cause injury, and careless driving may endanger your own personal safety, but also affect the personal safety of others. Please follow the operating rules listed in the instructions and use your electric powerchair properly.

- Always sit straight as possible and keep your arms on the armrest with the soft piece between your thumb and index finger on the base of the joystick to control your driving.
- Practice driving in a safe place such a park, or empty road to get used to the sensitivity of the chair when it is driven.
- Do not attempt unsafe obstacles to prevent injury to yourself or others.
- Please follow general road rules, pedestrian rules and common-sense rules when driving your powerchair. Your safety is your responsibility.
- Please drive smoothly, avoid zigzagging, sharp turn.
- Please keep the specified tyre pressure. When the tyre pressure is abnormal, it may cause unsafe driving and excessive current consumption.

Warning

- Do not drive adversely on hills, always follow the hill straight.
- This is an ultra-lightweight device and should be treated as such when driving around hills as you may encounter gravitational pull.

Avoid using in the following circumstances or places:

- In bad weather (rainy day, heavy fog, strong wind, snow).
- Bad road conditions (muddy, ski track, sand, gravel and other weak road surface).
- Large side ditches, ponds and other shoulder road.
- Over railway ramps. If you must cross a railway, please stop at the ramp and confirm that the track will not jam the wheels.
- This chair is only for single use, do not carry others and do not use for towing.

Precautions on uphill and downhill descent

- Please avoid driving on steep slopes. The slope Angle should be less than 10 degrees.
- When driving uphill, lean forwards slightly to maximize your center of gravity.
- Go up and down hills only, never cross ways. As this is an ultralightweight device, gravity will pull it downwards.
- Drive at the lowest speed when going downhill and lean back a little to maintain the center of gravity.
- Please drive at a moderate speed when going uphill and lean forward a little to maintain your center of gravity.
- Avoid driving across a hill as this may cause the chair to tilt.
- No driving over obstacles until you gain some experience on how to use the joystick control to adjust the speed.
- Avoid crossing wide ditches.

PRECAUTIONS FOR CARERS

- Please ensure the users' feet are safe on the pedal and clothes will not contact the wheel.
- Please keep the gear to make the electromagnetic brake function. Do not release the clutch by yourself without the consent of the user.
- Make sure that the vehicle is in a braking condition when the vehicle stops.

EMI protection

This product must be used away from the strong magnetic field and large inductive electrical equipment, such as radio stations, TV stations, underground radio stations, radio, mobile phone transmitting stations.

Pay attention to whether the accessories has electromagnetic interference source, and try to keep away from them and avoid electromagnetic interference source. This product should avoid electromagnetic interference.

OTHER PRECAUTIONS

Repair modification

If necessary for repair and modification, please contact your Top Gun Mobility Dealer. Unauthorised self-modification will void all warranties and may cause a safety issue.

Always keep dry, your chair is shower proof and requires drying, but it is not rain drenched proof.

Do not place the product with heavy moisture. Eg. set it aside in the shower.

If you get wet, you must dry the water immediately.

ASSEMBLY INSTRUCTIONS

UNPACKING

The product packaging box contains a whole POWERCHAIR, a set of battery, a charger, and a QR Code card (user manual).

REMOVING THE CHAIR

Place the box on the flat ground and pull the chair out of the box.

Hold the back tube with one hand, and support the cushion with the other, until the vehicle is fully opened, and confirm that the lock has been fastened (as shown in the figure below).



CONTROLLER INSTALLATION

Slide the Joystick controller lever into the fixing slot, adjust its appropriate position, and tighten the adjustment screw.

Connect the controller plug, align with the insertion, and then tighten the fixing nut. Note that when connecting the plug, align the arrow above the two plugs to ensure that the two arrows are inserted in the same line. If the arrow is not aligned and using force you may damage the plug and prevent you using the powerchair (see below).

Put down the feet (as shown in the figure).



ARMRESTS OPEN

Press the button on the side of the handrail (as shown in the figure), hold the handrail and lift it up, then open the handrail, convenient for getting on and off the powerchair. (pay attention to lock the handrail before driving).



CLUTCH USE DRIVE MODE TO FREEWHEEL MODE

Ensure the Chair is turned off.

- 1) Electric mode to free wheel mode: pull the handle on the motor backward.
 - 2) Manual (free wheel) mode to electric mode: push the handle on the motor forward.
- In this state, hand push is not supported (electric driving mode)



USE OF SAFETY BELTS

Always fasten your seat belt when using an electric powerchair.



CHARGER AND BATTERY

REQUIREMENTS FOR THE CHARGER

The charger is used when charging the internal power supply of the product and shall not be used when charging, so the selected charger should meet the following requirements:

Parameters

Input voltage: AC220V 50HZ output voltage: DC24V output current: 3A

5.1.2. The inlet liquid protection level is IPX 3

5.1.3. The selected charger shall meet the requirements of GB9706.1-2012

USE OF THE CHARGER

The charger provides charging for the powerchair, and the charging plug connects to the jack under the controller (as shown in the picture). Follow the following instructions to complete the charging steps.

Step 1: Check the charging socket to ensure that there is no blocking.

Step 2: Make sure that the controller power switch is off.

Step 3: Put the output plug of the charger into the jack under the controller. The input plug of the charger connects to the home 220V power supply, and the charging starts.

Step 4: When the charger green indicator light is on, the charging is complete.

Step 5: After charging, unplug the input plug and the output plug of the charger.

Charging the charger must be connected to the battery before the power socket, which can be charged for up to 10 hours. Generally, the green light of the charger means the charging is completed. When the charger disconnects the power, please remember to connect and unplug the output plug to avoid consuming the battery power. When the Product is idle, please fully charge it once a month to prevent the battery life from shortening.



REMOVING BATTERY

Press the button below the battery case (shown)

Pull the battery out and you can remove it (pictured)



PAY ATTENTION

Please follow the following rules to avoid the danger during charging:

- When the charging is complete, the charger indicator light turns green.
 - After charging (generally 8-10 hours), unplug the plug. If the wire is not removed, the battery will be slowly discharged, but the maximum should not exceed 12 hours, so as not to avoid the danger caused by overcharging the battery.
 - If you do not use the product for a long time, please be sure to fully charge it once a month.
 - Charging time is related to the ambience temperature, and the charging time is slightly longer in winter than in summer.
 - Charging environment should be well ventilated, do not be exposed to sunlight or humid environment charging.
 - Please use the company's standard charger, non-standard charger is easy to lead to danger, it is strictly prohibited to change and modify the charger line without permission, if the product or personnel accidents caused, the company will not be responsible for it.
 - Do not cover any tarp or other items when charging. Do not charge in an environment below minus 10 degrees and above 50 degrees. At this time, the charger can not play a good function and is easy to damage the battery. The charger will produce a certain amount of heat when charging, please rest assured to use. This phenomenon is the heat dissipation effect of the working process of the charger. This charger is not waterproof function. Do not place the charger on flammable items for charging, such as oil, pedals or chairs.
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- **Warning**
 - **Charging must be kept away from the high temperature and flames, which will cause the battery to catch fire or explode.**
 - **Do not charge it indoors.**
 - **When the charger is charged, please place the powerchair in the open area to ensure that there is no combustible nearby. To ensure fire safety.**

SAFE USE AND MAINTENANCE

The wrong replacement of the battery has the risk of explosion. When replacing the battery, you can only use the same battery as the original battery or recommended by the manufacturer and pay attention to the correct positive and negative polarity of the battery.

To extend the main point of the service life of the battery is to charge regularly, so that the battery power is full, if the product is temporarily not used, it is best to use the battery enough. If a long-term use, must be fully charged once a month.

MAINTENANCE

TYRES

Regularly check the wear of inflatable tires and clean up the debris inside the tread. When the depth of the tread is one millimeter, it is recommended that you replace the tyre.

BATTERY

Please confirm that the battery is often charged. We suggest that you recharge the battery without being completely free, so as not to reduce the battery life.

DISINFECTION/CLEANING

This product is not a sterile product, so the car body needs to be kept clean in daily use. When the product is in the process of production or use, such as the operator or patient's blood, secretions, excreta and other pollution of the car body, refer to the clause 13.1.3 the Technical Specification for Disinfection of Medical Institutions (WST367-2012), wipe the powerchair with 1000 -2000mg / liter quaternary ammonium salt disinfectant, leave for 30 minutes, and then wipe clean with clean dry cloth, dry.

Damage to the powerchair and self-examination:

When the powerchair fails during use, please check the product after the power supply is turned off.

Symptoms: Complete loss of power and indicator on the controller.

Check steps:

- Check whether the controller plug is loose.
- Check whether the plug between the battery box and the control system is loose and insert the plug again. Please pull the plug, please hold the plug and do not pull the line, to avoid unnecessary damage to the line. If the product cannot restore power after checking in the above steps, or there are any questions about operating the above steps, please contact your nearest Top Gun Mobility Dealer immediately.

POWERCHAIR MAINTENANCE INSPECTION

The following is a checklist for the powerchair. Please check the product as recommended below. Some inspections are automatically inspected when you sit in or get up. In order to give you more attention, we list these automatic inspections in area A.

area A	Please check whether each item is secure before each use: 1. Armrest 2. Armor and seat belt 3. condition above the controller 4. Joystick device 5. pedal 6. Power quantity 7. clutch Pull the levers back and forth ensuring free wheel and locked
area B	Check every month. 1. Nuts and bolts are loose - tighten 2. self-actuating brake 3. Front and rear wheel are secure 4. Charger and controller connector are clean
area C	For your safety, please be sure to conduct a thorough maintenance of the tyres every 6 months

JOYSTICK CONTROLLER

1. Speed Display
2. On/off button
3. Gear reduction button
4. Horn Button
5. Battery Display
6. Gear Display
7. Gear Increase Button



Open Power Button

Product power switch and sleep function

Press the power switch button of the controller, the power indicator is on, the power indicator is on from left to right, and the buzzer has a "drop" sound, the controller is normal. And no abnormal means that the controller is working normally, the driver can control the remote pole for driving operation.

Controller power off:

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

Notice

In some emergency cases indicating a device error, you can press the power switch button to power off the controller.

If the power supply is turned on when the remote pole is not in the middle position, the error message "The remote pole is not in the middle when the power supply is turned on" is displayed

Release the remote bar and get it back to the middle position, and the error disappears. This function is to avoid driving the remote pole without being in the middle when the controller power is turned on or the prohibited condition has been removed. This function can prevent the sudden or unexpected action of the electric powerchair.

Warning

If the remote pole is dropped and returned to the middle position, the error still exists, it may be the remote pole element or the controller program is wrong, please do not use the product, and please consult your nearest Top Gun Mobility dealer immediately.

2. Sleep mode

If there is no action in the remote pole. After 10 minutes, the controller will automatically turn off the power supply and enter the hibernation mode. Press the power switch button to awaken the control system from the sleep mode.

In dormancy mode, its power consumption is very small, do not have to worry about damage.

Adjustment of the driving speed

According to the user's habits and different site environments, the user can adjust the speed of the powerchair.

At present, the upper controller panel shows that the speed is 5 gear, which is the fastest and the first gear is the slowest. Users can use the 3.7 key to adjust the speed of the powerchair according to their own situation or the site environment to meet the travel needs.

Use of the speakers

Press the horn button, (No. 4 in joystick schematic above) the horn will sound until the horn is released.

Display of battery power

The battery power shows the predicted value of the remaining power of the battery; it is not 100% accurate but offers you to charge when necessary.

When the five bars are displayed, it means that the battery is full, and only the 1-2 bars show, it means that the battery needs to be charged. It's best to fully charge before a long drive. If only one grid is displayed, for the battery low power warning prompt, it needs to be charged as soon as possible. To extend the life of your battery, never let it drain empty.

Use of the Attendant Bluetooth Rear Controller

Turn the Joystick Controller on, then turn the Bluetooth remote on. Once the rear controller pairs you can use the controller to steer from the rear.

ELECTROMAGNETIC COMPATIBILITY

Notice:

The electric powerchair meets the YY0505 and GB / T 18029.21 standard electromagnetic compatibility requirements. The user shall install and use the product from the EMC information provided in the random document.

Portable and mobile RF communication equipment may affect the performance of electric powerchairs, and avoid strong electromagnetic interference, such as proximity to mobile phones, microwave oven, etc.

The guidelines and the manufacturer's statements are detailed in the attachment.

caution:

Electric powerchairs should not be used near high electromagnetic equipment otherwise it may not function properly.

Note: Cables include product external cables (power, control, I / O, interconnection lines, patient cables, adapter cables, terminal terminals of each port, etc.), connecting lines between product components and patient leads.

WARRANTY

Consumer Limited Warranty

Top Gun Mobility has provided information throughout the owner's 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. *Note: Your selling retailer is responsible for the repairs, and should you not be able to return the product to the selling retailer or another Top Gun Mobility Retailer, you may be liable for any labour charges, parts will be supplied free of charge. You will be liable for all labour and parts costs should the repairs not be covered under warranty.*

The warranty covers the following Powerchair models:

"FlyteMax Heavy Duty Powerchair"

2 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.
- Motor.

One 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 retailers call out fee. Your retailer may choose to waive this cost, but this will be at the 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 Retailer 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 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
