

FALCON



INTRODUCTION

DearUsers,

Thankyou forchoosingtheFALCONPower Wheelchair for yourportable wheelchairtransportationneeds. It is important to read throught his manual before operating you rFALCONPower Wheelchair to become familiar with its features as well as its limitations and safety information.

You willfindtheoperationandcareof yourFALCONPower Wheelchairsimpleandeasy.

Disclaimer: Manufacturer and dealerscannotbeheldresponsible forpersonalinjury orproperty damageresulting from theunsafe orimproper operationormaintenanceofFALCONPowerwheelchair.

Aspartof our ongoing product improvement initiative, were serve the right to change specifications and design without notice. As a result, the remay be minor difference she-tween your FALCONPower wheelch air and accessories and the photos, illustration and instruction in this manual.

We stronglybelieve that the wheelchair wouldbring youmoreconvenientandreach thegoalof freelife to you.lf youdiscover aproblem,contact yourauthorizedlocalDealerorDistributor for assistance, alternatively direct contactwithmanufacturerwiththefollowingContactInformation.

DiscoverYourMobilityInc.

11055E 9MileRd WarrenMi48089 www.discovermymobility.com TollFree:(866) 868-9694

Recommendation

Pleasepayattentionto "Warning" in the manualisto protectyou from any injury. Unable to follow "Notification" in this manual may result indamage the wheel chair.

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SYMBOLS

<u>^</u>	Warning Beware of potentialhazard	$\dot{\mathbb{A}}$	Attention, see instruction for use
	Refer toinstructions foruse -Mandatory Failure toread theinstructionsforusecouldintroduce ahazard	Πi	Refer toinstructions foruse - Recommended Failure toread theinstruc- tionsforusecouldintro- duce ahazard
***	Manufacturer	X	Productfulfill WEEE directive
	Dateofmanufacture	SN	Serialnumber
LOT	Batchnumber	<u>*</u>	TypeBF appliedpart
	Useuntil year & month (Expiration date)	*	TypeB appliedpart
IPX-4	Water proof grade	C€	CEmark
MD	Medicaldevice	UK	UKCAmark
	=Radiofrequencyfield sbeyondthispointmay exceedFCCgeneral publicexposurelimit		Importer
E R	NameandAddressof EuropeanUnion		Distributor

СР	Representative		
UDI	UniqueDevice Identification	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Country ofManufacture
#	ModelNumber		Don'tuse whenpackingdamaged

85 % 25 <u>%</u>	Humiditylimitation	-20 C 55 ℃	Temperaturelimitation
	Storeinclean&dryplace protectedfromrain, snow,ice, saltandwater.	**	Protect fromheatandra- dioactive sources
A	Dangerofexplosion	6	PackageNumber
7.00 T	Keepdry	Ż	FootSwitch
₩	Equipotential	•	CFapplicationpart
U	Switch	-	Fuse
	РСТВ		Volume control
	Disposalandrecyclingonly authorizedrecyclingcom -panies canrecyclepartsofthismo bility wheelchair		Dousecelphone,remote speakers, notebookcomputerorotherwireless ejectingdevice whileop-eratingtheunit.
	Donotadaptbattery whichiswithdifferentcap acityandwrongmodelnum ber. Nevercombineuselongti meusedbattery withnewbatteryatthesam etime,alwayschangebatt eriesinbrandnewcondition .		Implication of flammable material. Do not expose under fire, fir esparkles and other heat sources conditions. Never transport batteries along with torcheasy explosive items or flammable materials.
1	Keepawayothermetalre- lateditemsortoolsawayfr omthenegativeandposi- tiveterminalendtoavoid anyshortcutorelectricitys hockfromhappening.	**	Avoidcontactingwithrain, snow,ice,saltandkeep-inginwater,keepunderclean and dryambience.

	Easytobecrashed,crash-ingspot	(v _i))	Theproducthaspassed electromagnetictesto f20 V/M.
	Withpotential explosion		Batterycontainsan- ti- corossionchemicals ubstance.
Power	100∼240VAC,50∼60Hz		Type 2device
DCoutput	+29.4V ====2.0A	Frequen cy	500VA



Pleasereadthroughandunderstandthecontentsofthismanualfullyforsafety concern. Keepalltimeawarenesswhiledrivingwheelchairtoensureyoursafety.



Warning!

Pleasebeawareof andgo through "Warnings" carefully tokeeepaway from damages or personal injuries from improper operation. Users are highly recommanded to take appropriate safety related

cautions. Manufacuteris not to take responsibility of personal injuries and product damages leaded from improper operations. Beaware of local pedestrian trafficrul es., other people around may be unble to aware of you when you are drvinging wheelchair. Make sure there is no other vehicle on the road carefully before driving. It is necessary to

applysafetyequipmentsuchasreflectors, reflective clothings, lights and safety signs.



Warning!

Thiselectric wheelchairis suitable foruse on flatpathwaywithinlivingrooms,inhospitals,nursinghomesandnearbybuildings.D onotuseongrass, gravel,slopesgreaterthan8 °, motorways,anddrivingwhenitisrainingorsnowing.Neverdrivingonroads.



Warning!

Donotoperate wheelchairunder theinfluenceof alcoholdrinking. Consumption of alcohol significatly affect safeoperation of wheelchair. Every wheelchair different, please checkit yourself before driving and refer to the instructions on this manual for "Settingup" and "Pre-operation procedure" at the first time driving wheelchair. It takes some time and practices to make sure operation of wheelchairs a fely.



Warning!

Donotoperate the wheelchair onotherpaths thatnotrecoommendedinthismanual.Donotusethe wheelchair forotherpurposes,forexample weighttraining,sportsand trackand field towing,

fastmovingortowing,etc.,thesemayresultinhazardsandexcessiveabusement of wheelchair.



This electric wheelchairis suitable for travellingongood, leveled surfaces. Donot drive underheavy rain, in snow, on mud, on rough, on loose, innarrow, on icy surfaces, on treacher our oadsor waterways without guardrails, on poor roads, or undericy conditions. Waterorexcessive moistures can cause electrical parts to malfunction. Donot use when the ambient temperature is below-10°C or above 45°C.



Make sure the power of the power chair is switched of the forecharging. Do not charge the power chair below 0 ° C, charge under an ambient temperature be-tween 0°C ~ 45°C. Never independent the control is a charge when the charge

45°C.Neverindoorsasthereisariskoffire.Donotchargewhen thecontrollerpower on topreventmalfunction.Keep thebattery from freezinganddonotchargea frozenbattery.

timaycausepersonalinjuryandbatterydamage.Keepallchargerpowercableter minalsclean,dryandawayfrommoisturetopreventdamagetotheelectricalsystem andpersonalinjury.



Warning!

Keepwheelchairindryandcleanenvironment.Donottakewheelchair forshowers,inbathtubs,inpoolsor saunas,alwaysaway fromrain,snow,salt,fog/spray conditions and frozen/sleipery surfaces thatcancauserustorcorro-sionof wheelchair screwsor fisxtures.Prolongedexposureunder excessiveheatandcoldaffect theupholsteredandnon-upholsteredpartsandbatteriesandbatterycomponentsofwheelchair.



Warning!

Donot expose the wheelchair to flames. This wheelchair is notwater proof, do not expose it in rainor snow and do not drive in rainor snow. Do not ride the wheelchair across waterways. Avoid environment that is directly impacted by water (e.g. heavy rain) or is very wet. Do not use the power chair near water sources such as rivers, lake sorse a.



Warning!

Donotalteratethecontrollersettingsyourown. Anyvariationofcontrollerhappent, please contactyours ervice provider. Neverhave anyunauthorised modification. Adding accessories may alter the specification of the wheel chair such as the total weight, dimensions or the centre of gravity. Changes may damage some aspects around you.

Donotalter the specification of seat. Donot place any other cushions or pillows on the seat. The second lead to a nunstable seat position and fall off from whee chair.



Donotleavethepowerchairunderloworhightemperatureforlongtime, it will potentially impair the functions of wheelchair. Always check theelectrical components if there is corrosion, check all brakes if there are nylooseness, we ars and tears or damages. Constantly check the wiring harnesses and terminals, in case of any damage for immediatly replacement if it is necessary.



Warning!

Thewheelchairisnotdesignedforclimbingupstairsorescalators. Donotseat onwheelchairwhenitistransportedbyanyvehicle.

Donot tow the wheelchair, it may exceed its own speed threshold resulting indamage of critical parts.



Whentransporting wheelchair withbattery, pleasemake sure that they are undersafe condition. Do not transport w heelchairorbatteryalongwithflamma-blematerials.For transportation,keeppower off all time.Failure tokeeppower wheelchairmaymoveunexpectedlydue tomistake touchingof thecontrolling devices. Make surebrakes are engaged to prevent wheel chair from moving wheelchairis durina transportation.lf driven withapersoninto thelift,switchedoff drivinginto theliftand after thepersonmustbeseatedfirmlytoensurethatthevehicledoesnotmove.



Warning!

Itisstronglyrecommendeddonotsmoke whilesittingin wheelchair.Pleaseobserve the following safetyrulesif youinsist onsmokingin wheelchair:Keepashesatasafedistance whiledisposingof your cigaretteandmakesureitiscompletely extinguished.



Warning!

Manualmode

withoutanattendantisprohibitedanditmayresultinpersonalinjury. Topreventwhe elchairoutofcontrolandmovingonitsown, donotswitch wheelchair tomanualmodeespecially on any inclined surface. When seating in wheelchair, donot move position by your self toprevent personal injury may result, Alwaysask caregiver for help if necessary.



Warning!

Expecttobeseatedinafixedpositionforlongertime, switchoffpowertokeep wheelchair frommovingaccidentally. Adoptanyaccessory thatmayinterferewiththeoperation, asitmaycausethewheelchairtomoveunexpectedly. Keep yourself, your clothes and other objectsaway from wheelswhilethewheelchairisinmotion. Donotdraganyobjectsbehindthewheel chairwhileitisinmotion.



Warning!

Donotconnectanyotherdevice

whichdescribedinthemanual, especially electronic system or apply anyotherdevice with the wheel chair battery. When disconnecting the harness, grasp the terminal stoprevent damage to the harness. Donot pull the harness directly.



Before gettingin and out ofthewheelchair,trytositasfarbackaspossibleinthe wheelchair topreventinjury fromrollover. Avoidbracing yourbodyonthearmrestsasitmaycausearolloverwithinjury. WARNING! Avoidconcentrating yourweightonthefootrests,itmayleadtorolloverforinjury.



Warning!

The wheelchairmaycome toasuddenstopatany timeduringoperation.Donotoperatewheelchairifitrunsabnormallyorirregularl y.Underunlikelyevents, such as wheelchair turns tounexpecteddirection,immediatelyreleasethejoystickandpoweroffatonce.Pow eroffimmediatelywhileitcomestoloss ofcontrolormalfunctionofthebrakes.

SECURITY GUIDANCE



- 1. Theusermustperform all of the procedures in this manual.
- 2.Donot drive onpublichighway.
- 3. No over cross any gapwhichisover100mm(3.94")inwidth.
- 4. Nevertrytooverpassobstaclewhichisover 40mm (1.57") inheight.
- 5. Wheelchairissuitableforbothoutdoorandindooruse, hospital, seniorcenter, familyorsimilarcircumstancesuseonly.
- 6. The suitable environment of using electric wheelchair:

Temperature -10~+50 $^{\circ}$ C, AtmosphericPressure860~1060hPa,Humidity10% $^{\circ}$ 93%.

7.PowerSourceCondition:

ChargingVoltageAC(100-240)V±10%,50±1Hz,BatteryVoltageDC24V(+5%,-10%),PowerofMotor ≥250Wenvironmentalconditionsthatmightbe harmfultothewheelchair(e.g.inclinesgreaterthan 8degrees,rain,snow,ice,etc.), suchastemperatureandhumidity.

8. Operate wheel chair after it is under unfolded condition and only allow one person on wheel chair all time.

Weightlimitations

- 1. The wheel chair is tested with simulation of human model at 180 kgs (396.8 lbs) load capacity.
- Warning! irisrated foramaximum weightcapacity.Pleaserefer pecificationstableforthislimit.Keepinmindthatthemaximumwe ight capacityincludes the combined weight of theuserandanyaccessoriesmounted to the wheelchair.Stay withinthespecifiedweightcapacityof yourwheelchair.Exceeding the weight capacity voids your warranty.Wewillnotbeheldresponsible forinjuriesand/orpropertydamageresulting from failure toobserve weightlimitations.

•WARNING! Wearenotresponsible for any damageandinquirycause duetooverweight.

•WARNING! Nottodriveondangerousslopes.

•WARNING! Nottodrivebackwardswhengoingupanddownahill.Maxgrad

abilityisuphill8°.

Statement

Indications for use:

Itis amotor driven,indoor and outdoor transportation vehicle with theintendeduse toprovidemobility to a disabledorelderlypersonlimited toaseated

position.

Thewheelchair(ModelFALCON)hasabasewithaluminiumalloyframe, twofrontwheels, tworearwheels, aseat, anadjustable steering column, atillerconsole, two electric motors, an electromagnet icbrake,2rechargeablelithiumbatteries with an offboardchar-ger. Themovement of wheelchairiscontrolledbytheriderwhooperatesthethro speedcontrol ttlelever. dialandhandleonthetillerconsole. The device is install electromagnetic willengageautomatically when the wheelchair isnotin andthebrakecannotbeusedmanually. The use wheelchair onlycanbe operated on the flatroad.





Warning!

ı.rıeasereaumefollowingstatement.

2.Pleaseread

thismanualcarefullyandunderstandeverythingclearlybeforeusingtheElectricw heelchairforthefirsttime.

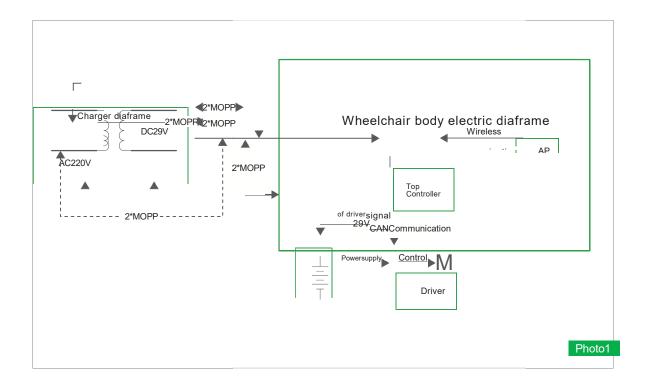
**Placeadonatusethewheelchairinanyunclearcases,otherwise,theproduct
**Warning! gedorpeoplemaygethurt.If youhavequestions,pleasecon-tactus.

2.Pleasepayattention to the warningandcautionsin thismanual.Wearenotresponsible foranyinjuryanddamagecausedby wronguseof thisproductandneglectofthewarningsandcautions.

Instructions

- 1.Improperusewillcausedeathorseriousinjury.
- 2.Improperusewillcausedamageofwheelchair.
- 3. Complywiththemanualtokeepwheelchairingoodcondition.
- 4. DONOTmakesharpturnsathighspeedoroninclinesorreversedirectionabruptly.
- 5. DONOTutilizebrakerelease / freewheelingoptiononanyinclinewithoutassistancetocontrolmotion.
- 6. Toavoiddanger of suffocation,keepall theplasticbagin thepackageawayfrombabiesandchildren.Donotuse theplasticbagincribs,beds,carriagesorplaypens. Theplasticbagisnot a toy.

PRODUCTFEATURES



Product features

- 1.1 Based on Electric Shock Proof Classification: Classified as internal power type device during operation, it is type 2 device while it comestocharging.
- 1.2 Based on classification of Electric Shock Proof: It belongs to Btype applicable section.
- 1.3 Based on classificationofliquidityproof:IPX4
- 1.4 Basedon the thesafetyclassificationofusingcombustibleanestheticgasmixedwithair, oxygen, orflammableanestheticgasmixedwithnitrousoxide:Not AP/APG type.
- 1.5 ElectromagneticcompatibilityisgroupedaccordingtoGB4824:itbelongsto ClassB of Group1.
- 1.6 Classification of running mode: Continuously-runningmode.
- 1.7 RatedVoltageandFrequency:InternalpowerDC 24,ChargerAC220V /50Hz.
- 1.8Inputpower: 200VA.
- 1.9 Thereisno applicable protection of defibrillation discharge effect.
- 1.10 Thereisno signalinput.
- 1.11 Theproductisnotbelong to eternalinstallation.
- 1.12 For electricalinsulation diagram, pleaserefer tophoto 1.

PRODUCTRELATEDEXPLANATION

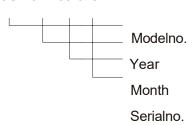
IntendUse The product is for people within convenience of having ability to walkfullyorhaving or with disabilities (excluding obesity).

[Intended useenvironme nt]

Electric wheelchairis suitable for operated onconcrete, asphalt, and flatindoorsurfacesinsidehomes, hospitals, nursinghomes, homesouroundingarea.

[Contraindications] Intendeduser, with visual weakness, intellectual impairment or neckdisease, whoisunabletoobserveenvironmentontheback, should beoperated by others. Anyone with paraplegia below the chest, osteoporosis or hypochondriasisisprohibited to use theproduct.

[FrameNo.] D09C-2024-05-019



[EternalIdentificationMark] Pleaserefer to QR code on frame



[Label of the Wheelchair]

SPECIFICATIONS

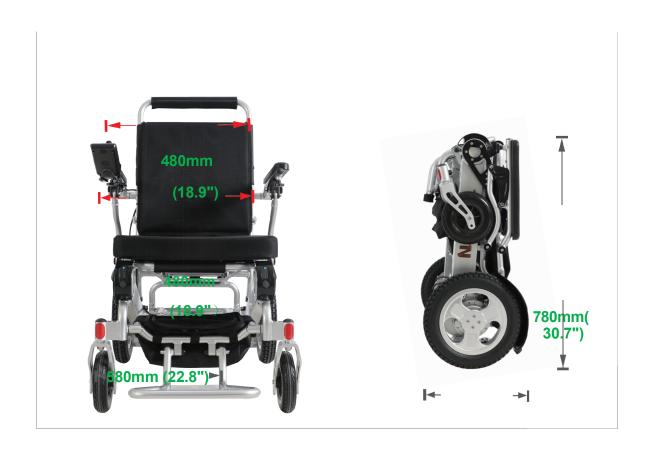


Model	FALCON
Material	Aluminum Alloy
Unfold Size (L * W*H)(mm/inch)	960× 580× 930mm(37.8"×22.8"×36.6")
Fold Size (L* W*H)(mm/inch)	580× 325× 780mm(22.8"×12.8"×30.7")
Load Capacity	180kgs (396.8lbs)
Motor	250W× 2pcsbrushlessmotors
Battery	24V 6AH× 2pcslithiumbattery
Max Speed	6km/h(3.7mph)
DrivingRange	18km(11.2miles)
Front Wheels	180×45mm (7.1"×1.8")PU solid wheels
Rear Wheels	320×57mm (12.6"×2.2")PU solid wheels
Climbing Slope	Max8°
Charging Time	6~8hours
WidthBetween Armrests	480mm(18.9")

Seat Width	480mm(18.9")
SeatDepth	420mm(16.5")
SeatHeight	500mm(19.7")
TurningRadius	835mm(32.9")
Net Weight (WithoutBattery)	23.5kgs (51.8lbs)
Net Weight (FinishedProduct)	26.5kgs (58.4lbs)
Gross Weight WithExportPacking	31.7kgs(69.9lbs)
DriveModel	RearDrive
Braking System	IntelligentElectromagneticBrake

SPECIFICATIONDIAGRAM





SAFEUSEGUIDELINE

∱Forusers

(Seepmetalobjectsawayfrompositiveandnegativeterminalsofbatteryto avoid electric shock and circuit shortcut.

- 1. Carefullyread through theinstructions, or receiving training and guided by professional technician or nursing staff who is familiar with the product.
- 2. Alwayshave fullunderstanding and feel of electric wheelchair prior to start up and operate the wheelchair.
- 3. Alwayswithhelpbynursetopracticeforwarding, bakcarding, obstacleovercom-ing and so on, until familiar the operationsindependently, proficiently and safely.
- 4. Make sure fully aware of safetyif you wouldlike to tryanewaction.
- 5. Havea full realization of thearea whereyouwould like gowith electric wheelchair, keep away and hazards.
- 6. Themaximumcapaicityweightoftheelectricwheelchairis180kgs(396.8lbs), please donot overload, please donot overload. Itislimited toonepassenger.
- 7. Donot drive underconsumption of alcoholor fatigue.
- 8. Please donotdriveatnightorinpoor visibility.
- 9. Pleasehaveinspectionbeforedriving, refertotheinstructionmanual for the first time "Commissioning" and "Pre-operation practice".
- 10. Thiswheelchairisnotwaterproof, pleased on otexpose it underrain or snow, and do not drive when it is rainy or snowy.
- 11. This wheelchairhascertainability tocrossditchesandobstacles,reduce the speed and slowly over theobstacles.
- 12. Avoid travellinginplaces withheavy traffic flow such as crowdnessand fullof vehicles.
- 13. Fullyunderstandthelocalpedestriantrafficrules. Itmaybedifficultforothersto seeyouwhenyouareinthewheelchair. Manufactuerisnotresponsibleforany personalinjury and/or product damage caused by improper operation.
- 14. Never switch tomanualmode withoutanyattendant. Itmayresultinpersonalinjury. Topreventwheelchairfromlosingcontrolandmovingonitsown, donot placewheelchairundermanualmodeonanyinclinedsurface. Whenyouseating inwheelchair, donotmovethepositionbyyourself, personalinjurymaybeoc-curred.

Seek assistance of care	e giverifnecessary.

<u>∧</u>For caregivers

- 1. The powers witch must turned of fand the free wheel modelever each on left and right motor is switched to manual mode before pushing the wheel chair by hand, once the levers are switched to manual mode that motors are not work.
- 2.Frombehindtopushbackrest frame whilechoosingmanualpushtheelectricwheelchair.Itissaferanditkeepsreliableforc epointtopreventwheelchairfrom overturning.Make sure the folding and unfolding buckleissecurelylocked.

- 3. Keepcooperating with user all time, particularly prior to each action informuser your intention and clearlygive yourreasons.
- 4. Toprotect the back of user from injury whilepassingthroughobstacle, usershould have kept withrightdynamicbodyposture.Bend yourknees slightlyinorder tokeep you backupright.
- 5.Remindminduserofleaningbodyagaistbackrestwhileyouareabouttoliftup the back of electric wheelchair.
- 6. Never directly goup and down stages or stairs, there is potential danger of falling off or roll over when turning a acorner, climbingup anddown.
- 7.Donot gouphill or dowhillundermanualmodecondition of electric wheel chair that could leadtotheriskof slipping.

!\Precautions on controller

Note: Adjust theinstalledpositionofjoystickcontro ller(asphoto 2) toprotectfromanyriskofbumporfallingdow n.

- 1. Inspectandadjusttheinstallationofjoystickeverysixmonths, as often a sit is nece ssary.
- 2. Contactwithyourlocaldealerordistributorifthecontrolpanelofjoystickcontroler abnormal and its operationalmalfunction.



Photo2



Precautions when electric wheelchair isunder notmovingstatus

 Power off the electric wheelchair whileitis stopped, evenitis ashort timestopping(RefertoPhoto 3).
 Thiswillpreventanyaccidentaltouchofjoystickbyanyonefor theaccidentalinterferenceonelectromagneticsystemaffectnormaluseofelectric wheelchair.

2.Make sure anyhelper (say shop assistant) is fullyunderstand the joystick function, thereno any accidental touch to prevent suddenmove wheelchairisunexpected.
3. If seatedin a fixedposition foranlonger

3. If seatedin a fixedposition foranlonger time, pleaseswitchoffpowertoprevent accidentalmovement of the wheelchair. Avoidusinganyaccessorythatmay interfere with the operation, itmay cause wheelchair tomoveunintentionallyand accidental movement of wheelchair.

Photo3

Operational environment

1. Thiselectric

wheelchairissuitableforgood,leveledsurfaces.Donotdriveunderheavyrain, snow, onmud, onrough,onloose,innarrow,onicysurfaces,ontreacherousroadsor waterways withoutguardrails,onpoorroads,orundericyconditions. Water or excessivemoisturesmaycauseelectricalpartstomalfunction.Donotoperate wheelchair whentheambienttemperatureisbelow -10°Corabove45°C.



Avoid malfunction of electric wheelchairs:

- Donotplaceorkeeptheelectricwheelchairunderdirectimpactofwater(such asheavyrain) or in a veryhumidenvironment.
- •Please donot use this electric wheelchair while inbathing, saunaandswimming.
- Pleasedonotuse thiselectric wheelchairnear water sources(suchasrivers,lakesoroceans).
- •Please ensure that the battery chargingcoverisclosed.
- •If the joystickis damaged, please replace the joystick device.
- •Ensure that all electrical connectors are secured and freeoflooseness.
- •Itis forbidden to wash this electricwheelchair withwater.Iftheelectricwheelchairissoaked,pleaseremove thebatteryanddry theelectric wheelchair assoonaspossible.dryimmediatelyafter theelectric wheelchairisdetermined,Insertitinto thebatteryholder for reuse.
- Switch off power of the electric wheelchair before charging,pleasedonotchargebelow 0° C,please charge while environment temperatureisbetween 0° C ~ 45° C.
- •Donotchargeindoorsfromriskoffire. Donotchargewith power onto prevent malfunction.
- Preventthebatteryfromfrozenanddonotchargefrozenbattery,chargingfrozenbatterymay causepersonalinjury and battery damage.
- •Keepallchargerpowercablesandterminalsclean,dryandkeepaway frommoisture sources from damage of electrical system and personalinjury.
- Thiswheelchairisnotwaterproof, donotexposeunderrainorsnowanddonot drivewhenrainyorsnowy. Donotoperatewheelchairacrosswaterways. Avoid placingor operatingpowerchairinanenvironment wheredirectlyhitby water(e.g.heavyrain) or in any veryhumidenvironment.
- •Donotexpose the power chair to flames. Donot leave the power chair for long time under low or high temperatures, it will impair the functions of the power chair.
- Check the electrical components frequently for corrosion.
- •Alwayschecktheelectricalcomponentsforcorrosion, checkallthebrakes,wear and tear, and check the wiring harnessesandterminals.

- •Check the wiringharnesses and terminals and replace themin timeifnecessary.
- Donotconnect any otherdevicetotheelectronicsystemof wheelchairorusethe wheelchairbatterytoactivateanyotherdeviceunlessdescribedintheinstruction manual.
- •Whendisconnecting the wiringharness, always holdon terminals to prevent damage to the harness. Donot pull the harness directly.
- 2. When it is unable to avoid operating the electric wheel chair on towe tor smooth ground, please be careful and keep at very slow speed.
 - •Oneortwomainwheelslosetraction, Stoptheelectricwheelchairimmediate-ly to avoid out of controlor fallingdown.
 - •Anysnow,ice, wateroroil filmonanyslopeorramp,pleasedonotdrivewhen come across these situations.
 - 'With doubting and can't confirm the safety, please always ask for helping.
 - Keep wheelchair under dry and clean environment.Donotaccessinshowers,bathtubs,poolsorsauna.Rain,snow,sa lt,fog/sprayconditionsandfro-zen/smooth surfaces causedrust or corrosionof wheelchair screwsorsomeof the fixtures.
 - Longexposureunderextremeheatandcoldmayaffectupholsteredandnonupholsteredparts and battery components damage.

Suitable surfaces

- 1. The wheelchair is suitable for travelling on concrete, asphalt, indoor flatsurfaces in the vicinity of interiors, hospitals, nursing homes and homes and building sonly.
- 2.Donot operate the wheelchair on sand,loose soil orroughandruggedterraintoprevent damage of bearings, axles or motor,andpossiblelooseningof fasteners.
- 3.Donot drive on grass, gravelroads, slopes greater than6° and motorways, and donot operate in rain or snow.

4.Donot drive onpublicroads.		

Driving onroad

Mostcountriesandregionsareillegal forpowered wheelchairs todriveonmotorvehiclelanes.ltisdangerousforelectricwheelchairstodriveonr oads or parkinglots.

- 1. When dritve atnight or in darkness, reflective stickers attached on electric wheel-chair are helpful (Refer to Photo 4). For safety concernuser can also we aragarment with Reflective material.
- 2. Whencomeacrosswithothervehicles, makesurethedriversofvehiclesnotice you easily. Have eye contact with the driver before you continue. Communicate and allow the driver understand your intention until you are convinced that it is safe.





∱Safety tips for riding motorized vehicles

- 1. Donottodriveelectricwheelchairthroughtransportation, suchasbuses, sub-ways, trains, planesandships.
- 2.If youmust drive an electric wheelchair, you should beaccompanied by someone to find are liable place to park, fasten your seatbelt and turn off the power supply of the electric wheelchair.
- 3.If theuser drives theelectric wheelchairalone, it is necessary to find a place where the wheel sorthewhole electric wheelchair can be fixed and parke d, so as to avoid injury of sudden braking or traffic accidents.
- 4.Don'tkeep the electric wheelchair in the front of any vehicle, as a result of interfering with driving of vehicle driver.
- 5.To get on and off bus, ifnecessarytolifttheuser together withtheelectric wheel-chair, pleasehold the edge of these at cushion frame, never hold the armrestor the rearbackrest frame.
- 6. The wheelchair is designed tobe drivenintoliftcar forlifting and lowering. Once inside lift, switched off power and the person must be seated firmly to ensure that the vehicle does not move.
- 7.Donotattempt tooperate wheelchairunderconditions thatdescribedin themanualforexampleweighttraining, towingforsportsandathletics, fastmoving or towing whichmay result in hazards and excessive stress of the wheelchair.

Balance ondriving

Theelectric wheelchair shouldbekeptinbalanceandat stability tocentergravity while driving to avoidoverturningduring theprocessof forwardandbackward. Thebalance to center gravityis affected by the followingfactors:

- 1. The seatheightandangle.
- 2. Dynamicbodyposition, posture or weight distribution of user.
- 3. The angleof ramporslope.
- 4. Changeload and weight distribution of electric wheelchairsby applyingbackpack or other object.



Please donotmake anyunauthorisedmodifications to the wheelchair.Addingaccessoriesmaychangesomeofthespecificationsofthewheelchairsuchasthetotal weight,dimensionsor thecentreof gravity.Beawarethatsomechangesmaydamage things around you.

Donotalter specifications of your seat. Donot place any cushion or pillow on the seat. This may cause seat unstable and fall off.

Ifmodifyoradjustthiselectricwheelchairrequired, pleaseconsultwithyourdealer in advance, amodificationplan shouldbe authorizedby themanufacturerin writing. Themodification of electric wheelchair couldhave additional adjustmenttocorrectthecenter of gravity. When electric wheelchairhasbeenmodified, beespecially careful to familiar with the balance point of the electric wheelchair and master the ways to avoid falling or overturning.

Recommended cloth dressing on electric wheelchair

When you sitin an electricwheelchairanddressingcloth,yourbodywillrotate.Inordertomaketheelectricw heelchairmorestable, thefrontcastershouldbeadjust-ed to the forwardposition.

Keep yourself, clothings and other objectsawayfromwheelswhilewheelchairisinmotion.Donot drag any objects behind the wheelchair when operating.

Precautions for getting on/off electric wheelchairs

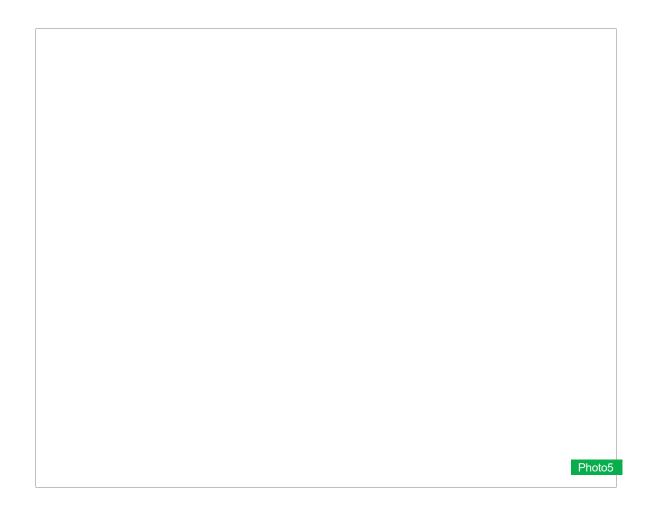
- 1. When it is ready to seat on the electric wheel chair, please make sure to turn off the power first. If you to uch the joystick, it may cause electricity. The wheel chair moves unexpectedly due to unexpected mistake touching.
- 2.Learn safest way tomove your body from your healthcareprofessionals, thewaytoposition your body and properly support yourselfin theprocessofmoving.
- 3.Ask for help youuntil youbefore you can safelygetonandoff theelectric wheelchair alone.

The correct way to get on/off an electric wheelchair

- Keepelectricwheelchairascloseaspossiblewhereyouwanttosit. If possible, use a conversion board.
- 2. Rotate the front casters asforwardaspossible.
 - 'Don't stand on the footpedal tomoveyourbody,itmayleadtoharm.
 - 'Makesureyourfeetarenotcaughtorcaughtbetweenthegapsofthepedals.
 - Ensure thatitisnotblocked orinterferedbyhandrails(Refer toPhoto 5).

Movetotheseatassoonaspossible itred estheriskofmissingseatand falling.

Becarefulevery timemove yourself, havea supportpoint that is not lower than the seat cushion surface.





Precautions of handex tending, bodyleaning and bodystre tchting while seat on wheelchair

Bodypart extending, leaning and stretching affectthebalanceofcentergravity of the electric wheelchair, which may cause you tofallor turnoverwithimproperoperation. Follow thekeypoints below toreduce theriskofphysicalinjury and damage:

- 1.Whilechangeyourbodycenterof gravityincludingraising yourbodysidewaysorleavingseat, pleasedon'tl eanoutoftherangeofseat cushion of the electric wheelchair.
- 2. Moveforwardinyourseat, pleased on 'tlean over orhaveinclination(RefertoPhoto6),alwayske ep your hip attach tobackrest.
- 3.Don'tkeephandsreluctantlytograbthingswhic hare far away,incaselosebodybalanceand fall.
- 4. Under no circumstances should youtrytopickitup articles frombetween yourkneesorinfrontof your body (Refer toPhoto6).
- 5.Don'tputpressureonthepedalswhenyourbody isextended,incaseof fallingoff causedby falling over.
- 6.Don'tleanagainstthetopof theseatbacktoprevent from falling and damaging theback.





Remember:

Move your electric wheelchair asclose aspossibletowhatyouwanttoachieve.Rotate the front casters until they are as forwardaspossible.Thiswillmakeelectricwheelchair more stable.

Note:

- 1.If youmove your electric wheelchair beyond the target you want toreachduringthis operation, stepback and approachit,thenreturnedtooriginalplace. The front casters will rotate forward.
- 2. Whenyoureachthedesiredposition, turnoffthepoweroftheelectricwheel-chair.If the electric wheelchair tilted to oneside,holdthehandrailtightlywithonehand when leaning, This will prevent you from falling.

Obstacles overpassing

Youmayneed toovercome someobstaclesindailyuse,includingdoorsill,elevator,ramp,pit andbrokenpavement, etc.Improper operation may damageyour electric wheelchair, and also cause personalinjury.

- 1. Note that the threshold very dangerous. Even a smallheightmay jam the casters and tilt the electric wheelchair or rollover, it is recommended that remove the threshold of the room or cover the threshold to slope. In stall a rampto access door.
- 2. When youmove theelectric wheelchair, please carefully check the areayouwant to pass, make sure the place where you use electric wheelchair could smoothly and safely crossobstacles.
- 3.Adjustyourcenterofgravitybythefollowingmethods:Whenabouttocrossan obstacleorpassasectionfromlowtohigh, slightlytiltyourupperbodyforward.Whenpass through a section fromhigh to low,upper bodyshouldpressback.

Backward

Inreverse extra carefully Whilerear wheelhits an object, you maylosecontrolof the electric wheelchair and fall.

- 1. When drivingbackwards, please always slow down.
- 2. Checkfromtimetotimetoensurethattherearenoobstaclesendangeringsafety on theroad.

Driving onincline/slope/hillside

Whenon the slope, thebalancecenter of gravity of electric wheel chair will change. Note if it is not sure about the safety of using this electric wheel chair on a slope, please use it with some help, and be sure not to use it alone.

Mattersneeding attention:

- 1. Foryoursafety, pleased on 'tuse this electric wheel chair on a slope with a gradient older than 8.
- 2.Please don'tuse electric wheelchair on slippery slopes(suchas snow,ice,water oroilyfilm).
- 3. Pleasedon'tusethiselectricwheelchairwhentheroadsurfaceontheslopehas ups and downs (ups and downs, bumpsanddepressions).
- 4. If there is a small pit at the bottom of the slope, pleased on ot use this electric wheel chair.

Weightrestrictions

- 1. Themaximumload of this electric wheelchair is 180 kgs (396.8 lbs), and the loadinuse should not exceed this maximum load.
- 2. Thebearing capacity of therearbackrestisless than 75kgs(165.4lbs),itisnotallowed topress down or lifttherearbackrest.
- 3.Under no circumstances, do weight training on thiselectric wheelchair, evenif theuser's weightisadded with thelifted weight. Thesumof thequantitydoesnotexceed the maximum bearing capacity of theelectric wheelchair.
- 4. Inuse, theloadexceedingthemaximumloadmaydamagetheseat, frame, fas-teners, foldingmechanism, etc. May seriously hurt. Or other people, may also damage or scrap the electric wheelchair.
- 5.No warrantyisprovided for problems causedby theload exceeding themaximumloadinuse.

Mattersneeding attention when goingup and down stairs



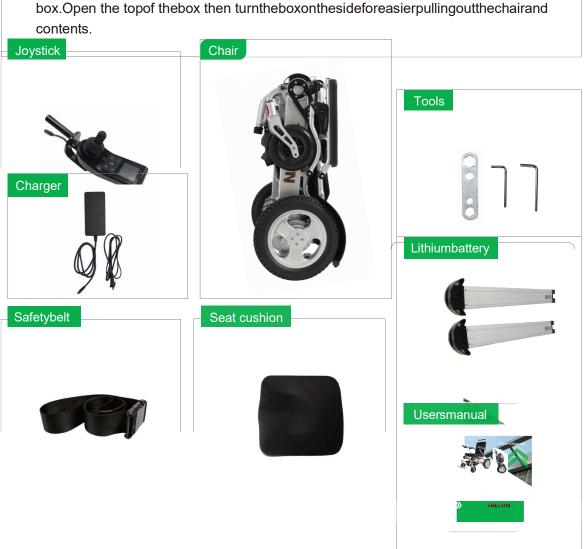
This electric wheelchairisnotused for goingup and downstairsorusingescalators.

- 1. Alwayspay attention to the following warnings whenusing the elevator:
 - •Donotuseescalators(steppedelevators)between floors tomoveelectricwheelchairs, soastoavoidseriousaccidents.Personalinjury.
 - Youcanusetheup-and-downelevatorwhensittinginanelectricwheelchair. Please operate the electric wheelchair after theelevatordoorisopened, and Ensure that theelevator doorisalwaysopen when the electric wheelchair entersand exits the elevator.
 - •When the elevatorisunavailable, after the electricwheelchairistransported to the required place, if you need to deploy the electric wheelchair, please Refer to the chapter "Electric Wheelchair Deployment Method".
- 2. When you wanttomoveanelectric wheelchair throughstairs between floors, you should operate according to the following specifications:
 - Getoffelectricwheelchair.
 - •Before foldingelectric wheelchair, theupper controllermustbeclosedandremoved.
 - •Whenmovingtheelectric wheelchairupanddownthestairs,donothaveanyimppactonwheelchair.

INSTALLSETUP

Components

YourFALCONPower Wheelchair will arrive carefullypackagedin a cardboard box. Open the topof thebox then turntheboxonthesideforeasier pulling out the chair and



1. ToexpandtheFALCONPower Wheelchair, graspthepushbarandpullup whileholdingdownon theseattoexpandthechairand completetheassembly(Refe r tophoto 7).

Gras pushbar pushbar seatt o



2.
Continuetoexpandthechairintoase atedpositionuntilyouheara*CLIC K*indicatingithaslockedintothe seated position(Refer toPhoto8).

3.Locate the seat cushionandbackrest cushionprovided.Orientate the seat-cushionsuchthatrearoftheseatand

the Velcroonthebottomof theseatcushionaligns with theVelcroontheseat (Refer toPhoto9).





4.Next,placethebackrestcushionover thetopbarandadheretoVelcrooneith ersideofthebackresttensionstraps. Be sure thebackrestisplacedbehind thehorizontalbackbarof thechair (Refer toPhoto10).

5.Installthecontrollerintotheopenslot onthearmof thechair,ontherightside(ifuserneed ed,canchangetoleftside).
Tightenknoblocatedunder thearmresttosecurethecontrollerin place (Refer toPhoto11).





6.Connect the controller wireharnessto the CPU wireharness.
Takecarethelineupthepinsprope rlyasarrow tipindicate,sothattheydonotgetb ent,brokenordamaged(Refer toPhoto12).

Seatbeltinstallation

Seatbeltplaysaroleof

restrainingdisplacementandbuffering,preventinguserfromslidingdowntheseat forward. Seatbeltcanbeadjusted according to the user's comfort. In case of accidents, it will firmly hold the user to these attorrevent personal injury caused by secondary collision.

1.Install seatbelt:

Ensurethattheseatbelthasboundthewaistofthebodywiththelowerpartof the backrest frame of the electric wheelchair.

2. Adjust the seat belt according touser's comfort:

Pleasebulkedup with a click sound

Adjust the safety belt with appropriate length, don't be to o tight causing discomfort.



Warning!

ır seat belt:

Press thebutton onbuckle tounbuckle.

Make sure that the seatbeltisproperly fixed on the electricwheelchairandadjusted to themost comfortable state for theuser. Checkwhether the seatbelt is loose or damaged. If you find a problem, please contact the dealer formaint enance and repair.

BATTERYSETUP

Install thebattery

Justputthebatterytobatteryshellonbothsideof wheelchair,holdthebatteryhandle,inserttheothersideofthebatteryintotheopeningoft hebatterytubeuntil thebatteryis all the wayinside. (Refer tophoto13).





Photo13

Remove thebattery

Pressthebuckleontheinnersideofthebatteryboxhandlewithyourfingers, and then grab thebatteryboxhandle and pullit out. (Refer to photo 14).





 $\label{lem:please} Please ensure that the power to the wheel chair is turned of f before performing this operation.$

BACKREST ANGLE

Backrest Angle Adjustment

Steps:

- 1. Pulluphandlever of gaslift atback of backrest.
- 2.At the same time,hold top frame of backrest with onehancdandpush down.3.Releasehandlever of gaslift whenreachprefered angle of backrest.
- 4. Adjustment of backrest angelis completed.







Return toBackrest OriginalPosition

Steps:

- 1. Pulluplever of gaslift.
- 2.Keep onpressing lever till backrest autmaticallyreturn tooriginalangel.3.Backrest angelreturn to originalpostiongis completed.





FOLDING ANDUNFOLDING



- 1. Makingsurealltheattachingpartsarefastenedproperlyafteranyadjustment, repair or maintenance, for avoiding any damageorinjury.
- 2. Thewheelchairwithcertainweightthatrequirescorrectwayofliftinguptoavoid injury. Whileitisnecessarytoliftupformovingthewheelchair,itisstrongsug-gested user get off wheelchair first.
- 3.Ifuserhavetostayin wheelchair forliftingupandmovingat thesame time,makesuresafetyisfullysecured.Donotholdattachingpartforliftingandmoving wheelchair.

Steps for wheelchair folding

- 1. Flipup the anti-tip wheel first.
- 2. Hold top of backrest frame with one hand, the other hand flip the back safety latch downat theback of backrest forunlocking.
- 3. Liftup the front of seatbyhand for folding.
- 4. Push top of back restand frontendof seattogether.
- 5. Fold footrest.











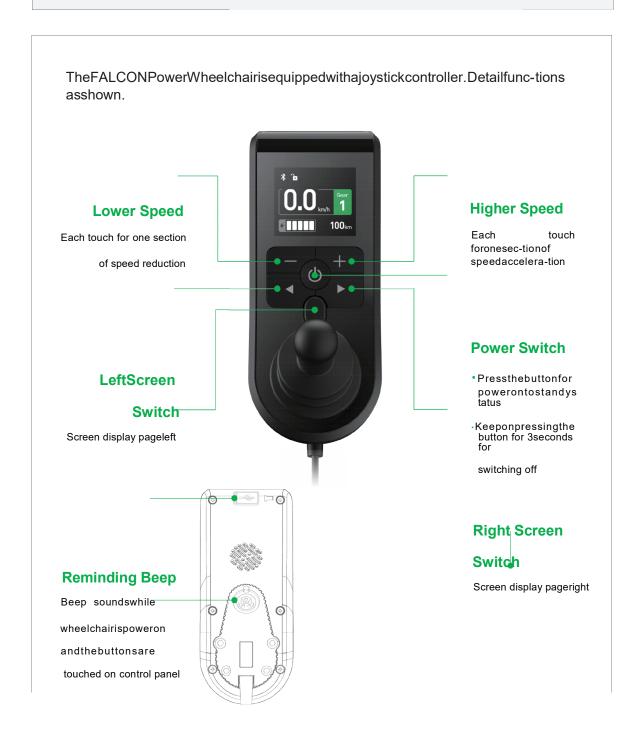
Steps for wheelchair unfolding

- 1.Unfold footpedal first.
- 2. Hold the top of backrest with onehand, the otherhandhold frontendof seat.
- 3.Bothhandpush away till a "Click" soundheard for completelyunfold the wheelchair.4.Pull back theanti-tip wheel.



CONTROLLER

Controlpanel





Controller and driving tips

Warning!

- 1. Never have sharp turn whileathigh speed.
- 2.Unabletofollowthe"Warning"maycausetiltingoftheelectricwheelchairasa result of injury orproductdamage.
- 3.Thelocation of joystickisatlowerpart of the controlpanel for controllingthespeed and direction smoothly. With 360 ° directional rotation performance, con-venience of operation, there is a spring designed for returning to the initial inter-mediate status.
- 4.Push the joystick toward the direction desired, the joystickhas the function to control the driving proportionally. Greater push, the faster the the speed will be. Top speed is limited to 6 km/h (3.7 mph).
- 5. Toslowdownthespeedoftheelectricwheelchair, reducethepushingofjoystickforward. Theelectricwheelchairautomaticallyslowdownandadjustdirection at slightest way.
- 6.Learnhowtodriveelectricwheelchairattheverybeginning,tryatslowspeed andmovelightly. Gently tilt the joystick forward atlowest speed,hepractice willhelp youlearnhow to control the electricwheelchairbeforeuserfamiliarfully,including controlling, starting and stopping the electric wheelchair smoothly.
- 7.Wheelchair may come to sudden stop at anytimeduringoperation. If the wheel-chairbehavesabnormallyorirregularly, immediatelystopoperation. Underthe situation that wheelchairs travelsinunexpected direction, outof controlorthebrakeisoutof order, pleaseimmediately release the joystick and press the power off.
- 8.Donotchange thecontroller settings.If you find anyvariationtocontrolyourwheelchair with your ability, please contact your service provider.

Joystick operational direction

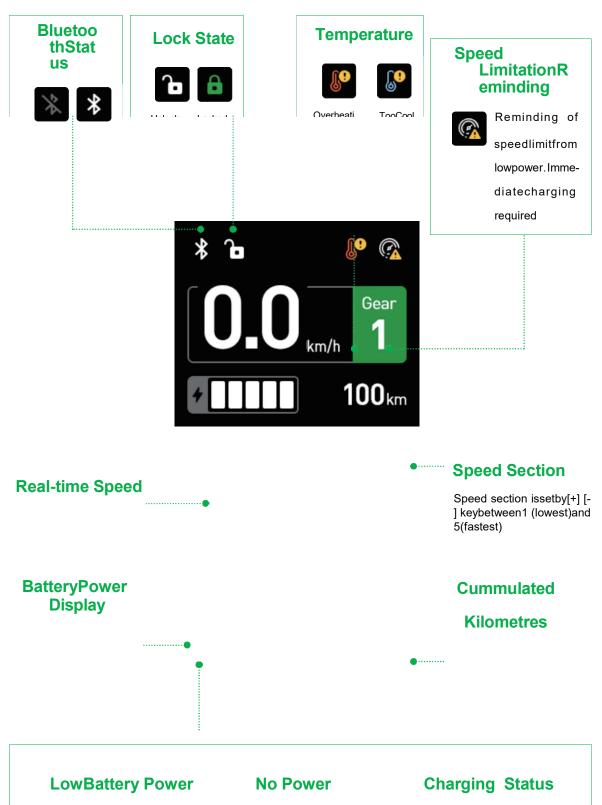
The joystick allows you to control the forward kward, leftandrightturning, according to the celeration and parking of wheelchair.

Gentlyreducetheforwardpushpressureonj oystick for slowingdownthespee d.Thewheel-chair willbereturnedtostopa ndbrakestatuswhile The wheelchairwillturntori ght, backorgoback-warddependingonthe rotationdegreeeof joy-stick.



Joystick stay verticallyatstandby,pu shitforward thatthewheelchairwill move forward,themorepusht owardthespeedwillbe faster.

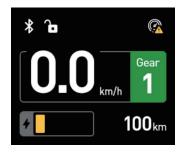
Screen display

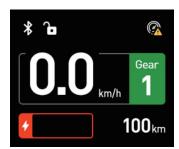


Indication turns yellowwithonbar displayed. The speed limit wa rningiconshow suptheuppe rright corner.

The speed limit warningiconattheupper rightcornerlightsupwhile thebatterypowerisrunningout.

The greeniconis flashingallthetimewithgre enwhilecharging.



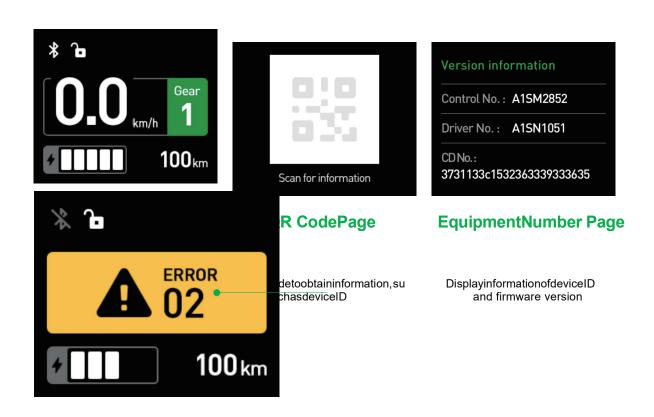




Screen display



Press the left or rightbutton for5seconds toselectthe page desired, three pages availableintotal



FaultReminding PupUp

Faultcoderemindingpleaserefer to faultsand troubleshooting for the cause and solu-

tion.lfyouareunablesolvethetroubleyourse lf, pleasecontactaftersalesatonce.

^{* 【}Commonfaultsandtroubleshootingmet hods】 Pleaserefertothepage 43.

CHARGINGBATTERY

Use ofbattery

YourFALCON wheelchair willarrive with fullchargedbattery, whichshouldlastabout 20km(12.4miles)undernormaloperationconditions. Werecommendthat yourun theFALCONPower Wheelchairuntil thebatteryarecompletelydeadinorder to get themost out of thebatterylife.



Donotusebattery with different capacities, brand and type while replace the battery. The original battery should be replaced and all existing battery

shouldbereplaced together. Donotmix the old and newbattery.



The positive and negative electrodes of the battery cannot be connected with conductive objects such as metal, which may cause short circuit or electric shock.

Keep away from flammablematerial.Donot approach or be exposed to heat sources, such as open flames or sparks. When transporting batteries, donot place them with flammable or combustible material.



Therearecorrosivechemicals in the battery. It is forbiddent od is assemble the battery without permission.



Itisnotallowedtoshort-circuitthebatteryorputthebatteryintothefireto avoid explosion accidents.



First chargingmethod

Charge the battery at the same time viacontrollerchargeport.

- 1.Turn thepower off.
- 2.Plugin the charger to thecontrollerport(RefertoPhoto1 5), please noticeconnectthechargercablefi rst, then turn thepower on.



Photo15



Donotchargecontinuouslyover 6hoursthroughchargingportofcontrollertopre-vent over charging while the battery isconnected tothesocketcontactonthe frame.

- 1. Allowyourwheelchairtochargefor 6 hoursfullchargeorwhenthelightonthe charger turns green, which means your batteries are fullcharged.
- 2. Should yourequire them, the lights and what they mean are located on the back of the charger.





Definitionofwhatthelightcolourmean

Chargerlight

GREENcolourindicatesfully charged.ORANGE -- batteryischarging.

Second chargingmethod

- 1. Turnoff themainpower.
- 2. Flipopenthechargerportprotectoron the front ofbattery.
- 3.Usethesecondarychargerpigtailtoad aptthebatterycharger toplugintothebattery directly (Refer tophoto16).



Warning!

- 1.Keepchargingtimeofthebatteryin6hourswhenitcomestooffboardcharging to avoid over charging.
- 2.Immediatelyunplugcharger frompower source as soonasindicatinglightoncharger turns green.
- 3.No operation of wheelchair allowed whileitisin the process of charging battery. It is required to unplug charger from power source prior to operate wheelchair.
- 4. Charging cyclesis 500 times for single batterylifeextend.
- 5. Please use the factory original standard charger ONLY!

Charging tips



- Whenchargingelectricwheelchair, it is better direct charge the batteries through joystick controller. Don't charge battery while battery in vehicles. All batteries must be fully charged before plugged in electric wheelchairs.
- 2. Donotdirectlyconnect thebattery terminal withthebatteryclipperormetalcable trying to charge thebattery.
- 3. Neveruseelectricwheelchairwhilebatteryischarging.Donotchoosenonstandardpower supply (such as generators or inverters),eventheirvoltageand frequency meet therequirements.
- 4. Keeppowercordnotbetrampled, squeezedorseverelybent, especially at the port. Preventpower cord from being yanked or knotted.
- 5. Keepchildrenandpetsawayfromthepowercord, and don't let them bit eand chew the power cord. Please hold the plug for pulling it outtoun plug the power cord.
- Pleaseunplugthechargerimmediatelyandcontactthedealerorprofessional technicalpersonnelwhencecircuitbreaker (circuitfuse)issteppedmanytimes during charging,
- 7. Alwayschooseoriginalchargerforcharging, neveruse other charging devices instead.
- 8. Donot chargeif temperaturesisbelow 0° C.Porperchargingambienttemperatureisrecommended 0°C \sim 45°C.Donot chargeindoorsin case of fire.Donotcharge while the controller is turned on to avoidmalfunctionand fire.
- 9. Keepallchargerpowercordsandconnectingterminalscleananddry.Keepawayfromsourcesofmoisturetopreventdamagetotheelectricalsystemand anypersonalinjury.
- 10. Keepbattery from freezon and donot charge a frozenbattery, charginga frozenbatterymay causepersonalinjury andbattery damage.
- 11.Keepallpowercordterminalsofchargercleananddry. Awayfromsourcesof moisture toprevent damage of electrical system and anypersonalinjury.



- 1.Warning:Please stop driving andimmediatelychargeimmediately orreplacewith fully charged battery, when the powerredindicatorison.
- 2.Warning:Please disconnect the charger immediately and donottouchthecharger plugif theplug to the controller falls off during chargingstate.Pleasedonotadd additional batteries andmake anymodifications.
- 3. Chargingin aplace that complies with the firecontrol regulations, supervised during the charging process.
- 4. Theindications, such as warranty and performance of battery, mentioned in this manual are specific about lithium-ion battery.

- Chargethebatterybeforefirsttimeusethewheelchairwillreducetheservice lifeofthebattery.(Itishighlyrecommendeduseuptheelectricityofbatteryfor the first time then charge to full, this way could completely activatethebattery).
- 2. Newbatterymustbefullychargedforthefirsttimetoensurethatthebatteryis fully activated after the very fist timinguse.
- 3. Itisrecommended that time for the battery charging is about 6-8 hours until theorange light on the charger turns green.
- 4.Always charge thebattery as long as theelectric wheelchairisused. Chargethebattery after useuntilitis full charged completely. If the electric wheel willnotbeusedforalong time, please charge theelectric wheelchair once every 2 months, about 80% charge of the electricity each time. If there is no electricity for along time, the battery will be damaged and will be unusable, and the electric wheelchair will be seriously damaged.
- 5. Neverusebatteries with wrong specifications, voltages and capacities, it may damage your electric wheelchair, and affect the electric wheelchair to stay at the best performance and effect.
- 6. The charging cycle of the battery is 500 times or so, service life is 2-5 years. If the battery is damaged, always required to be replaced.

Over dischargeprotective device

Whenthebatteryoftheelectricwheelchairisexhausted, overdischargeProtective Devicewillprotectthebatteryfromoverdischarged. WhentheoverdischargeProtectiveDeviceisactivated, themaximumspeed willbedecreased. At thistime, please charge the battery assoonaspossible.

Over currentprotection

Thissystemisincludedonthewheelchairandwillshutoffthecurrentfromthebat-teriesif triggered, thus shutting themotor down,whichwillensurethatthemotorandbattery donot experience and damage.

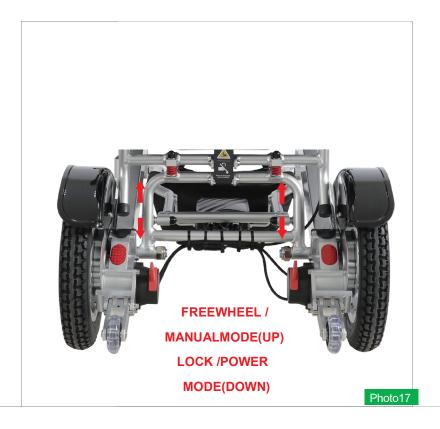
Cleaning of battery socket

- 1.Check whether thereis 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 abattery cleaning tool to clean thebatterysocket.
- 4. Carefully cleanup allmetalparticles and dust.
- 5. Donotletthebatterymaterialcontactwithskin, clothorotheritem. Acidicsubstancethatcauseharmordamageandburn. If the material contacts skin, immediately washtheskinthoroughly with coldwater. If the situation is serious or with eye contact, please seek medical attention immediately.

FREE WHEELMODE

Inorder tohaveacaregiverpushthepower wheelchair,itmustbeputinFreeWheelMode. Thismode disengages the drivemechanismtothewheels,makingthemfreetopushmanually. Werecommendthatyouturnoffthepowerofwheel-chair whenin thismode,both for safety and to save batterypower.

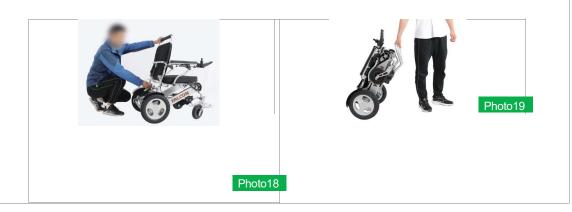
- 1. ToputtheFALCONinFreeWheelMode, cometoafullstopandturnoffthe power on the controller.
- 2. Pushdownonthetworedleverslocatedoneachmotorasshown. (Refer to Photo 17).



TRANSPORTINGFALCON

Never transport the power wheel chair in a tieup system (electric mode), as the FALCON Power Wheel chair is not compatible with the m. Neversitin the wheel chair and be transported in moving vehicle. Do not place the folded power wheel chair in the front seat with driver where it could move and slide.

- 1. Turn off the power from the controller.
- 2.Remove seat cushion.
- 3.Hold topof backrest frame withonehand, theotherhandflipthebacksafetylatch down at theback of backrest for unlocking.(RefertoPhoto18)
- 4. Fold the wheelchair.
- 5. When folded, these atcross bar can be used to move the wheel chair easily (Referto Photo 19).



Direction foruse

- 1. **Transportationrequirements:** Batteries shouldbepackedintoboxes for transportation. Duringtransportation, severevibration, impactorextrusionshouldbe prevented, andthebatteriesshouldbeprotectedfromthesunandrain, sothat Transportby car, train, ship,plane (Never exceed 25%chargeofbattery whenitcomestoaircrafttransportationandkeeplowerthan50%chargeofbatteryfor other vechicle transportation.) and other means of transportation.
- 2. **Storagerequirements:** The battery should be stored in a clean, dry and ventilated room with an ambient temperature of -5° C $\sim 35^{\circ}$ C and a relative humidity of not more than 75%. Avoid contact with corrosive substance and keepaway from fire and heat source.
- 3.Themainmaterial of thisproductis aluminium alloy. Theproduct canbeused toreplacetherunningandwalkingfunctionofpotentialuserwithmobilitydisorder havingnotrauma. It belongstonon-sterile medical device, sterilization/disinfection processis not applicable. Cleaning method of the product: wipe with clean and softpaper or cloth. Donot clean the wheel chair directly withwater or never direct contact with water.
- 4.Discardedbatteries shallbe collected and treatedbyqualifiedparty,andshallnotbe thrownatrandom,causingenvironmentalpollution,soas tominimizerisks.
- 5. Never transport the wheelchair orbattery with flammablematerials. Forsafertransportation, keeppower off all time. Failure todo this, mistaketouching of controlling devices willleadmove of wheechair accidentally. Make surebrakes are all engaged, it will prevent wheelchair stableduring transportation.

WARRANTY

- This warrantyis valid from thedateof factoryand validforthereplacementofdysfunctionalpartsonly.
 Anypartsunderwarrantywillbereplacedandshipped to your door. Any service and labor fees,if applicable, toreplacepartsunder war-rantymustbepaidby theuser.
- 2. Due toits straightforward design,mostparts canbeeasilyexchangedby theenduser without aprofessional service techrequired. However, it is always recommended you seek professional help formaintenance and service, tomake sure the work is downproperly.

Under warranty

Chair frame	3 years	Motors	1year
Controller and CPUsystem	1year	Battery	6month s
Wear parts: Includes tires, seat and	lbackrest, armre	ests, and supportstraps.	3month s

The warranty doesnot cover:

- 1. Products damagedbyusernegligence.
- 2. products damagedaccidentally.
- 3. Products damagedintentionally.
- 4. Products that havebeensubjectedtonegligence.
- 5. Products thathavebeen subjected toabuse.
- 6. Products thathavebeenimproperly stored.
- 7. Products thathave been improperly handled.
- 8. Products thathave beenimproperlyoperated.
- 9. Products that have experienced general misuse.
- 10. Products that have been modified in an unauthorized, unapproved way.

Warrantyisnon-transferableandonly valid for theoriginal wheelchairpurchaser.

The companyreserves theright to make any changeandimprovement without prior notice.

Itreserves and also the property of models and forbids their reproduction, even partial.

TROUBLE SHOOTING AND MAINTENANCE

The following represents the most common questions asked about the foldpower wheel chair FALCON with regard to every day use; check this helpful guide or the operator's manual formore information if you have a question about using your power wheel chair.

Question	Possible causes	Answer
Whyistherenopowert othewheelchair ?	 Controller systempowerisnot connected. ControllersystemCP Uand joystick arenot con- nected. Batterypower is toolow. 	 Connect thebattery. Ensureallconnection sbetween joystick,CPUandbatt ery are securelytightened. Charge thebattery.
Whyisthewheelchair noisyor vibrating whenturning?	Speedisset toolow.2.Motor isdamaged.	1. Raisethespeed.Atl owspeeds, themotormaysoun dorfeelstrained. 2.Replace themotor.
Whycan' tlchargethe battery?	 Chargerlightdoes not turnon. Chargerlightis alwaysgreen. Charging timeis stoppedbefore full chargeis complete. 	 Replace the charger. Batteryisnotconnected, ormayneedtobe replaced. Capacityofbatteryas decreaseovertime. Thisisnormal.

Why can'tlconnectthecontr oller?	1. Connectorpins(male) onthecontrollerhave becomebentandmis- aligned withconnectorholes(female)ontheCPU connector.	1.Using a smalltool,care- fully straightenthecon- nectorpins(male)ont hecontrollertoalignw ithholes(female)onth e CPUconnector.
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ThebatteryofPower Wheelchairisanextremelyimportantpart, thebatterylife determines the servicelifeof thewheelchair. Trytokeepthebattery saturate daftereachuse,to develop such ahabit.itisrecommended toconductadeepdischargeeverymonth!Ify oudon'tuseaPowerWheelchairforalong time,placeitinaplace toavoidbumpsandpulloutthebatterytoreduc edischarge.Itis alsobestnottooverloadintheprocessofuse, which has direct harm to the battery, so itisnotrecommendedtooverloadandavoid directlyaffectingtheservicelifeofthebattery (Refer toPhoto 20).



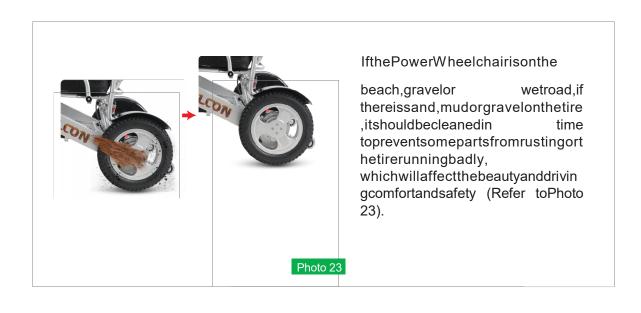


After the Power Wheelchair is used for a

periodof time, it is necessary to check the screwloosening of the Power Wheel chair to ensure the connection and operation between the parts and components, and to avoid accidents (Refer to Photo 21).

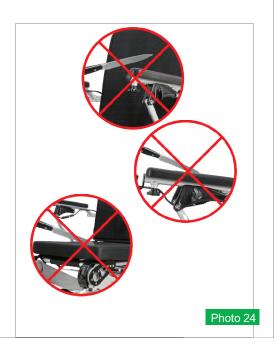
Afterbeing wetby water. Electric walking vehicle should be wiped with dryragin time, especially the part containing electrical circuit, so that the electric walking vehicle can keep dry and clean (Refer to Photo 22).





PowerWheelchairshouldavoid

scratchingseatleather and PUhandrails and plastic ornaments with sharp objects, thus affecting the beauty of the whole vehicle (Refer to Photo 24).

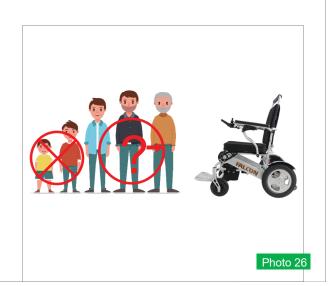




Electricwalkingvehicleshouldbepl acedin aplace where thesuncannotshine,please avoid sunlight, otherwiseitisnotonlyharmfultothebatt ery,butalsohasadirectimpacton theservicelife of plasticpartsandstickersofelec-tric walking vehicles (Refer toPhoto 25).

Power

Wheelchairarerelativelysimple tooperate, avoiddriving by childrenoradults without experience in Power Wheelchair. Drivers should avoid unnecessary largescale body movements or sleep on Power Wheelchair, which may lead to accident ald anger. In order to avoid this situation, it is best to unplug the powers witch keywhen not in use. It also avoids the risk of the ft (Refer to Photo 26).



Maintenance tool Simple toolkitis accompaniedwithWheelchairinWheelchairpacking, while dry soft fabric and soonarehandyandeasytogetinthemarketarenotincluded.

The period of maintenance is vary depending on the real use frequency and situation, there is no specific rule.

Maintenance frequency

1.Daily check

Turnoff thecontroller,checkthelever,makesuretheleverisnotbentandbroken, andbe sure toreturn toit when youreleaseit. Checkthenibberbaseoftheleverfordamage.

Justcheckthebaseanddonotrepairit.lfyouhaveany questions, please contact yourdealer.

2. Weekly check

Disconnectthecontrollerconnectorandchargerconnectorfromthebatterybox. Che ck the connection and for corrosion. If necessary, pleasecontacttliedealer. Makesure that all parts of the controller are tightly connected to the product, do not screw the screws too tightly.

Check thebrakes.

This inspection must be carried out on a level surface and the remust be enough open space.

Check thebrakes:

- •Tumonthecontroller. Afteronesecond.checkthebatteryindicatortomake sure thebatteryispowered.
- 'Slowlypushtheleverforwardtoguideyoutohearthe"beep"ofthebrakes, and imme diatelyrelease thelever. Youmusthear thebrake operation soundafter each lever ispushed forafewseconds.
- Repeat the operation three times topushthecontrollertotherear,leftandright sides forinspection.

3. Monthly check

- Checktheanti-rollwheelforexcessivewearandreplacethewheelifneces-sary.
- *Checkthewearof thefrontwheelsanddrivewheels.Ifmaintenanceisrequired. please contact yourdealer.
- •Checkthefrontforkforwearandlooseness, whichmayindicatethatadjust-

mentisneededor thebearingneedstobereplaced.Pleasecontactthedealer for repair, orreplacement.	
 Keep theproductcleananddonotleavedebris, such as food, beverages, residues, etc. 	

4.Storage

This products hould be stored in a cool and dryen vironment. Do not store it at the extremely a considered in a cool and dryen vironment. The considered in a cool and dryen vironment is a considered in a cool and dryen vironment. The considered in a cool and dryen vironment is a considered in a cool and dryen vironment. The considered in a cool and dryen vironment is a considered in a cool and dryen vironment. The cool and dryen vironment is a considered in a cool and dryen vironment in a cool and dryen vironment in a cool and dryen vironment. The cool and dryen vironment is a cool and dryen vironment in a cool and dryen virontemperature.If itcannotbe storedunder theaboveconditions, it may cause rusting of the wheelchair, anddamagetotheelectricalsystem.Stor-ageconditions: -40 temperature: ~+65degreeC; Relativehumidity:W80%; Atmospheric pressure: $86kPa\sim 106kPa$.

If you discover aproblem, require for parts supply (Such asbattery, tire, charger andso on) contact your authorizedlocalDealer orDistributor for assistance, alternativelydirect contact with manufacturer with the following ContactInformation.



Discover Your MobilityInc. 11055E 9MileRd WarrenMi 48089

www.discovermymobility.com

Highlysuggestthatuseoriginalpartsfromsuppliertoavoidanypotentialissuesor failureoffunctionofwheelchair, pleasealways consult with authorized local Dealer or Distributor first.

DIAGNOSTICS

Faultcod e	Cause of failure	Inspection and handlingmethods
01	Abnormaljoystick position	Releasejoystickforreturningtonormal position.
02	ElectromagneticBrak-ing isnotengaged	Engage thebrake.
12	Joystick signalcommu- nication error	Check all the wheelchair wiring harness.
14	Joystick isoutof order	Damage ofjoystick, replace newone.
22	Battery signalcommu- nication error	Inspecttheconnectionofbatteryq uick releaseplug.
23	Lowtemperature charging fault	Keep wheelchair under higher temperaturecondition forcharging whileambient temperatureistoolow. Poweronagain.
24	Lowtemperaturedis- charging fault	Keep wheelchair under higher temperaturecondition for discharging while ambient temperature istoolow. Poweronagain.
25	Charging temperature istoohigh	Recharge again afterthebatterytemperatureisdropped.
26	Charging current fault	Chargerisoutof order,pleasereplace thecharger.
27	Dischargingtemper a-tureis toohight	Thetemperatureofthebatteryistoohighinter- nally. Turn it off and wait, then turnitonagain.
28	Discharge current fault	Unplug the battery andreplaceit.
29	Over voltage fault	If thebatteryvoltageis toohigh,turniton andleaveitforawhile. Thenturnitoffand turnit onagain.
30	Under voltage fault	Thebatteryvoltageis

		toolow,chargingisrequired.
31	Charging failure	Replace the charger.lfitthe faultstillthere, replace anewbattery.
42	Controllersignalcom -munication abnormality	Checkconnection of signal communication interface.
43	Left driveisnot connected.	Checkwhethertheconnectorbetweenm otor and controller is well connected.
44	Left drive over temperature	Poweroff.Waitforafewminutesbefore turningitonagain.Ifthefaultisstilltherem replace the driving device.

Faultcod e	Cause of failure	Inspection and handlingmethods
45	Left driveis overload	Poweroffandwaitforafewminutesbefore turningitonagain.lfthefaultdoesnotdisappear. Replace thedrive.
46	Left driveis abnormal	1.Inspect the left driveleverisatrightposition. 2.Inspection theconnecting wireis wellconnected.
47	Left motorisoutof order	Inspecttheconnectionof driverandmotor.
48	Left motorMOS failure	Replace the motordriver.
49	Left motorphase fault	Inspecttheconnectionof driverandmotor.
50	Left motorislocked	Releasejoystick.lfthefaultdoesnotdis- appear, replace themotor.
51	Leftmotorphasecurrent offset valueis fault	Replace the motordriver.
52	Leftmotor main wire currentfault	Replace the motordriver.
53	Left motorisnotconnected	Inspecttheconnectionofdriverandm otor.
54	Right drive isnotconnected	Inspecttheconnectionofdriverandm otor.
55	Right drive over temperature	Power off. Waitforafewminutesbeforeturningitona gain.lf thefaultdoesnotdisappear. Replace thedrive.
56	Right drive overcurrent	Poweroffandonagain.lfthefaultdoesnot disappear, replace the drive.
57	Rightbrake fault	Inspect the connection of driver andmotor.
58	Right motorisoutof order	Inspecttheconnectionof driverandmotor.

59	Right motorMOS failure	Replace the motordriver.
60	Right motorphase fault	Inspect the connection of driver andmotor.

Faultcod e	Cause of failure	Inspection and handlingmethods
61	Rightmotor islocked	Inspecttheconnectionofdriverandm otor.
62	Rightmotorphasecurrent offset valueis fault	Replace the motordriver.
63	Rightmotormain wirecur- rent fault	Replace the motordriver.
64	Rightmotor isnot connected	Check whether the driver andmotor connectors areloose.
65	Controller poweris cutoff	Turn the vehicle off and power onagain.
66	Handrail position fault	Adjustproper handrails position.
72~99	Drive failure	Replace driver.

FCC IDENTIFIER: 2ABU6-MS50SFA



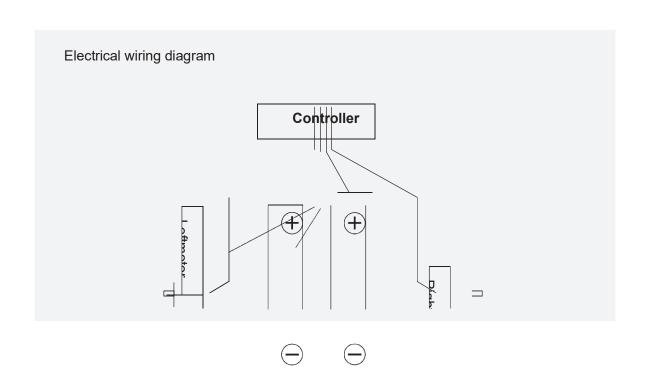
Anymodificationorchangesonproductwhicharenotapprovedbymanufacturer, userwill have no right of operating.

Thisdevicecomplies with Part 15 of the FCC listed. Operation is subject to the following two conditions:

- (1)This device will not cause harmful interference.
- (2)This device accept any interference including interference comesfrom accidental operation.

ELECTRICAL WIRINGDIAGRAM

B B at at te te



ELECTROMAGNETIC INTERFERENCE & COMPATIBILITY



- 1. FALCONPower Wheelchairmeets theelectromagneticcompatibilityrequirements of IEC60601standards.
- 2. TheusershallinstallanduseaccordingtotheEMCinformationprovidedinthe attached documents.
- TheportableandmobileRFcommunicationequipmentmayaffect theperformanceof electric wheelchairandavoidstrongelectromagneticinterferencewhen using, such as close tomobilephones, microwave ovens, etc.
- 4. The guide and the manufacturer's statement are detailed in the annex.



- 1.Keep theequipmentor systemaway fromother equipmentorsystems.Ifitisnecessarytostackedontopof, orclosetootherequipmen t, mustbeobserved and verified to function properly of the configuration. When thepower of wheech- iarison, donotoperateportabletransceivers, receivers, radiossuchas Citizen Band (CB), orturnonpersonal communication devices such as cellular phones while the power supplyis on.
- 2. Thoughthewheel chairen hances capability of anti-interference, please observe the following rules when using the power chair to keep away from sources of radio wave emissions, such as radio and television stations.
- 3. While wheelchaircomes tobeabnormalduringoperation, turnoff thepowerpromptly and contact the manufactureratonce.
- 4.Donotmake any alteration of wheelchair, including adding or taking off accessories, in order to enusre anti-interference capability.
- 5. Theadoptionofaccessories and cables differed from original maker, may result inincreased emissions or reduced immunity of the equipmentor system.

Project	Cablelength (m	Whether or notshielded	Remark

POWER CORD	1.4	NO	/	
CHARGER OUTPUTLINE	1.1	NO	/	
EXTENSION CORD	0.12	NO	/	

Guidelines and manufacturer's statement-ElectromagneticEmission

FALCONPower Wheelchair is expected tobeusedin the electromagneticenvironmentspecifiedbelow, andthebuyeroruseroftheelectricwheelchairvehicleshall ensure thatitis usedin this electromagnetic environment.

Launch test	Compliance	Electromagnetic environment-Guidelines
IEC60601 RFlaunch	1	FALCONPower Wheelchair onlyusesRFenergyforitsinternalfunctions. Therefore, itsRFemissionisverylowandm aynotcause anyinterference to thenearbyelec-tronic equipment.
IEC60601 RFlaunch	В	
IEC60601 Harmonic emission	А	FALCONPowerWheelchairissuitablefor domesticuseandallfacilitiesdirectlyconnectedtothepubliclow-voltagepower-
IEC60601 Voltage fluctuation/flicker emission	FIT	supply network for domesticuse.

Guidelines and manufacturer's statement-Electromagnetic Immunity

FALCONPowerWheelchairisexpectedtobeusedintheelectromagneticenvironmentspecifiedbelow, andthebuyeroruseroftheelectricwheelchairvehicleshall ensure thatitis usedin this electromagnetic environment.

Anti- interference measureme nt	IEC60601 TestLevel	Coincidencelevel	Electromagne ticenvironme nt- Guidelines
Electrostatic discharge (ESD) ISO7176 IEC60601	±6KV Contact discharge ±8KVAir discharge	±6KV Contact discharge ±8KVAir discharge	The floorshouldbewo od, concreteorce ramictile, and if the flooriscovered with synthetic materials, the relative humidity should be at least 30%.
Electrical fast transientbur st ISO7176 IEC60601	±2KV To thepower cord	±2KV To thepower cord	Thepower supplyinthehospi talorinthecomme rcialen-vironmentshoul dbe of typical quality.
Surge ISO7176 IEC60601	±1KV Differential- modevoltage ±2KV Commonmodevolta ge	±1KV Differential-mode voltage	Thepower supplyinthehospi talorinthecomme rcialen-vironmentshoul dbe of typical quality.

Voltagesag ,shortinterru p- tionandvolt- agevariatio nonpoweri nputline	<5%UT,Last for0.5circuits (onU T,>95%sag) 40%UT,Lastfor1ci rcuit (onUT,60% sag) 70%UT, Last for 25circuits (onUT, 30%sag) <5%UT,Lastfor5s econds (onUT,>95 % sag)	<5%UT,Last for0.5circuits (o n UT,>95% sag) 40%UT,Lastfor1ci rcuit (onUT,100% sag) 70%UT, Last for 25circuits (onUT, 30%sag) <5%UT,Lastfor5s econds (onUT,>95 % sag)	Thepower supplyinthehospi talorinthecomme rcialen-vironmentshoul dbeoftypicalqualit y.lf theusersof electricwheelchairnee d continuousoper a-tionduringpower interruption, uninter-ruptible powersupplyor batterypower supplyisrecommended.
Powerfrequen - oyagneticfiel d (50/60Hz) ISO7176 IEC60601	30A/m	30A/m	Thepowerfrequen - cymagneticfield shouldhavethe horizontalchara c- teristicsofpower frequencymagnet icfieldin typicalcom- mercial orhospital environment.

FALCONPowerWheelchairisexpectedtobeusedintheelectromagneticenvironmentspecifiedbelow, andthebuyeroruseroftheelectricwheelchairvehicleshall ensure thatitis usedin this electromagnetic environment.

Anti- interferencem easurement	IEC6060 1TestLe vel	Coinciden celevel	Electromagnetic environment-Guidelines
RF conduction ISO7176 IEC60601	3 Vrms 150kHzt o80MHz	3Vrms	PortableandmobileRFcommunicationequipmentshallnotbeu sedclosertoanypartoftheelec tricwheelchair,includingcabl es,thantherecommendedisola tion distance. Thedistanceshallbe calculatedby the formulacorresponding to thetransmitterfrequency. Recommended isolation distance d=1.2 \[\sqrt{P} \] 80MHz to800MHz
RFradiation (charger) ISO7176 IEC60601	3 V/m 80MHzt o1.0GH z	3V/m	d=1.2 √P 800MHz to1.0GHz d=2. √P 26MHz to800MHz d=0.2 800MHz to 2.5GHz d=0. /
RFradiation (wheelchair) ISO7176 IEC60601	20 V/m 26MHzt o2.5GH z	20 V/m	WherePis themaximumoutputratedpowe rofthetransmitterprovided by the transmittermanu-facturer,in watts(W), and distherecommendedisolation distanceinmeters(m). ^B The field strength of the fixedRF- transmitteris determinedbysur-veying theelectromagnetic fieldA.ineachfrequencyrange, Bshouldbelower thanthecoinci-dencelevel. Interferencemayoccurneare

		quipmentma	arked withthefol-
		lowing symb	ols. (((•)))
Note1: At bandis add	 yof 80MHzand8	00MHz, theformulaofhigl	nerfrequency
	These romagneticpropa uman bodies.	guidelinesmaynotbe agationisaffectedbyabsor	

- a.If the fixed transmitting airportis strong, such as thebase stationof wireless(cellular / cordless) telephoneandgroundmobileradio, amateurradio, am(amplitudemodulation) andFM(frequencymodulation)radiobroadcastandtelevision broadcast,FALCONPower Wheelchairisexpected tobeusedin theelectromagneticenvironmentspecifiedbelow,andthebuyeroruserof theelectricwheelchair vehicle shallensure thatitisusedin thiselectromagneticenviron-ment, then theelectric wheelchair shouldbe observedtoverifyItcanoperatenormally.If abnormalperformanceis observed, supplementarymeasuresmaybenecessary, such as reorientation or repositioning of theelectric wheelchair.
- b. The field strength shouldbeless than 3 V/min thewholefrequencyrangeof150kHz to80MHz.

Recommended separation distancebetweenportable and mobile RF communication equipment and electric wheelchair.

FALCONPower Wheelchairisexpected tobeusedinanelectromagneticenvironment whereradiatedRFdisturbancesarecontrolled. According to themaximumoutputpower of communicationequipment, the buyer or user of electric wheelchair can prevent electromagnetic interference by maintaining the minimum distance between portable and mobile RF communication equipment (transmitter) and electric wheelchair.

Rated maxim	Isolationdistancecorresponding todifferent frequenciesoftransmitter/m					
umoutp ut power	150k Hz~8 0	80MHz ~800M H	800MHz~2.5 GHz(Charger	26MHz~800 MHz	800MHz [~] 2.5GHz	
oftrans mit-	MHz	(Charger		(Wheelchai r) d=0.2	(Wheelchair) d=0.4 \sqrt{P}	
ter/W	d=1.2√P	d=1.2√P	d=2.3√P	√P	VP	
0.01	0.12	0.12	0.23	0.02	0.04	
0.1	0.38	0.38	0.73	0.06	0.13	
1	1.2	1.2	2.3	0.2	0.4	
10	3.8	3.8	7.3	0.63	1.26	
100	12	12	23	2	4	

For theratedmaximum outputpower of the transmitter notlistedin the abovetable, therecommended isolation distance D, inmeters (m), can be determined by the for-mulain the corresponding transmitter frequency column, where P is the maximum output rated power of the transmitter provided by the transmitter manufacturer, in watt (W).

Note1: At 80MHzand 800MHzfrequencies, theformulaforthehigherfrequency rangeisused.

Note 2: These guidelinesmaynotbe suitable forallcaseswhereelectromagnetic propagation is affected by absorption and reflection of buildings, objects and human bodies.

WARRANTY CARD



WarrantyRegistrationCard

UserName	IDNo.	
Address	PhoneNo.	
Model	ProductNo.	

PurchasingDate		
	(Month)(Day)	(Year)
Manufacturer		
Distributor		
	(Stam	p or signature)
Distributor		
(Phone,Address)		

DiscoverYourMobilityInc. 11055E 9MileRdWarrenMi 48089

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