

SPANIEL

MULTIJOY

User Manual



www.multijoybike.com



Take down your serial numbers here!

Bike frame number

Battery serial number

Motor serial number

About Manual

This manual contains details of the product, and information on its operation and maintenance and other helpful tips for owners. Read it carefully and familiarize yourself with the Multijoy Seeker before using it to ensure safe use and prevent tragic accidents. Be sure to retain this manual as your convenient Multijoy Seeker information source.

This manual contains many Warnings and Cautions concerning the safe operation and consequences if safe setup, operation and maintenance are not performed. All information in this manual should be carefully reviewed and if you have any questions you should contact Multijoy Bike immediately. The notes, warnings and cautions contained within the manual and marked by this triangular Caution Symbol should also be given special care. Users should also pay special attention to information marked in this manual beginning with NOTICE.

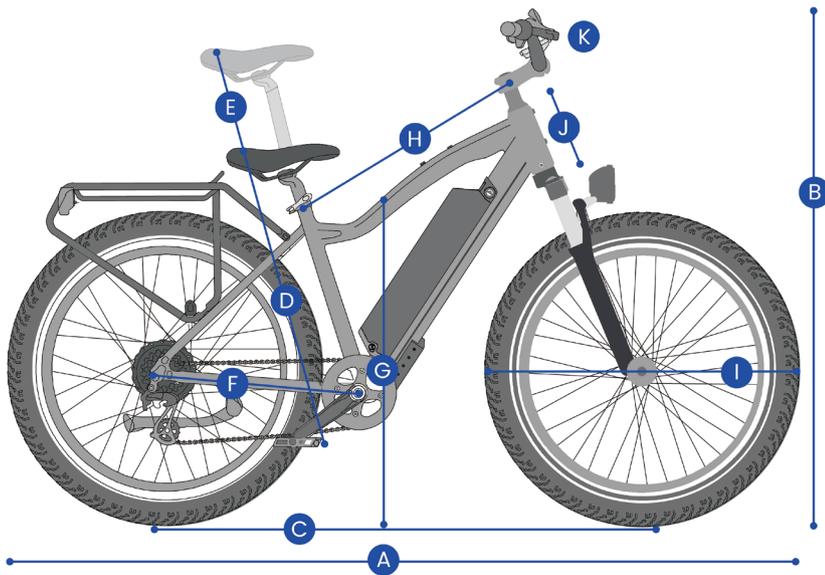
Because it is impossible to anticipate every situation or condition which can occur while riding, this manual makes no representations about the safe use of bicycles under all conditions. There are risks associated with the use of any bicycle which cannot be predicted or avoided, and which are the sole responsibility of the rider. You should keep this manual, along with any other documents that were included with your bicycle, for future reference, however all content in this manual is subject to change or withdrawal without notice. Visit www.Multijoybike.com to download the latest version. Multijoy Bike makes every effort to ensure accuracy of its documentation and assumes no responsibility of liability if any errors or inaccuracies appear within. Assembly and first adjustment of your Multijoy Bike requires special tools and skills and it is recommended that this should be done by a trained bicycle mechanic if possible.

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Bike Specification





A -- Total Length 75"

B -- Handlebar Height 46.5"

C -- Wheelbase 45"

D -- Minimum Seat Height 28"

E -- Maximum Seat Height 36.5"

F -- Chain Stay Length 19"

G -- Standover Height 31"

H -- Top Tube Length 22.5"

I -- Wheel Diameter 28"

J -- Head Tube Length 6"

K -- Handlebar Length 26"

Product Specification

ITEM	Description	ITEM	Description
Battery	48V 20Ah Lithium Battery	Front Fork	Alloy Front Suspension Fork
Motor	750W Motor	Bike Frame	A6061 Aluminum TIG Welded Frame
Display	LCD Display	Brake	180mm Brakes
Derailleur	7-speed Shimano-Altus-7 Speed	Charger	US Standard 3A Smart Charger
Speed	20MPH	Freewheel	Shimano 7 Speed
Range	35~55 Miles	Saddle	HQ- Comfort saddle
Pedal Assist	Intelligent 5 Level Pedal Assist	Shifter	SHIMANO 7S
Throttle	Half Twist Throttle	Tires	26" x 4" Fat Tire
Charging Time	6~9 Hours	Product Weight	74.9 lbs
Recommended Rider Heights	5.3" ~ 6.4"	Total Payload Capacity	350 lbs

Bike Assembly Guide

Preparation Checklist

 <p>User Manual</p>	 <p>Medal Boxes and Medals</p>	 <p>Front Fender</p>	 <p>Pedals</p>	 <p>Front wheel</p>
 <p>key</p>	 <p>Spare screws</p>	 <p>toolbox</p>	 <p>charger cable</p>	 <p>Quick-release skewer</p>
 <p>Front light</p>	 <p>cup holder</p>	 <p>hat</p>	 <p>Tool box</p>	 <p>About Us</p>

Recommended Torque Values

Hardware Location	Torque Required (Nm)
Handlebar	18-20
Stem	18-20
Saddle	18-20
Front Wheel (For Bikes with Bolt on Front Wheel)	16-25
Rear Wheel	35-40
Bottom Bracket Parts	35-55
Pedals	35
Disk Mounting Bolts	6
Disk Caliper Mount	10
Crank Bolts	40
Rear Derailleur Cable Pinch	6
Front Derailleur Clamp	7
Saddle Post Clamp	7

NOTICE: The following assembly steps are only a general guide to assist in the assembly of your Multijoy Bike and is not a complete or comprehensive manual of all aspects of assembly, maintenance and repair. We recommend you consult a certified bicycle mechanic to assist in the assembly, repair and maintenance of your bicycle. For detailed instructions please view the Multijoy Seeker Assembly video and Quick Release Installation video found at www.Multijoybike.com.

Assembly Instructions

◆Handlebar Installation(4mm hex wrench)

Step 1 :Remove the four screws from your bike stem.

Step 2 : Center your handlebar and rotate them to align to position as below right picture.



Step 3: Tighten bolts to handlebar stem, but don't tighten completely as you may want to further adjust the angle later to align more precisely. Test the position and adjust the handle bar to your favorite angle. After determining the best position, completely tighten all the bolts on the stem.



◆ Front Wheel installation

Step 1: Lay a mat or cloth down to protect bike and floor from scratches, then carefully flip your bike upside down for the front wheel installation.



Step 2: Remove the plastic axle guards from the front wheel being careful to avoid contacting the brake rotor set.



Step 3: Remove the front forks protection bar by manually pulling it straight up. Pull out the red pad, which is used to protect the disc brake caliper.



Step 4: Align the front fork dropouts with the axle of the wheel hub, making sure the fork dropouts are fully seated on the axle. Also ensure the brake rotor is properly inserted into the caliper.



Step 5: Prepare your quick-release skewer for the next step by removing the thumb nut and one of the cone springs.



Step 6: Install the quick-release skewer starting from the brake rotor side of the wheel. Inserting the quick-release skewer through and then install the second cone spring on the other side. Ensure the narrow side of both springs towards the wheel hub.



Step 7: Tighten the thumb nut until the quick release lever is held in line with the axle, and then use your palm of your hand to close the quick release skewer.



Step 8: Rotate the front wheel. Make sure to fully close the quick release skewer lever on the front wheel and check the wheel balance in Pedal Only Mode. If you notice the riding is imbalanced or the rotation of the front wheel make noise, it means the bolts were not completely tightened or not aligned horizontally.



◆ Front Light&Front Fender Installation(Extra tool: 4 or 5mm Hexagon wrench and 8 or 10mm open-end wrench)

Step 1: Remove the screw, nut and washers on front fork.

Step 2: Install the front fender and front light on the front fork by screw, nut and washers



Step 3: Tighten the bolt with 5mm Hexagon wrench and 10mm open-end wrench.



Step 4: Connect the light wire connectors. Pay attention to the arrows on the wire connectors, making sure the arrows align with each other to avoid damaging the interior circuitry.



Step 5: Remove the screw, nut and washers on the clamp of the front fork.



Step 6: Install the rod of front fender in the clamp of the front fork by the screw, nut and washers and then tighten the screw. Install the other rod and make sure the two rods are at the same height.



◆ Pedals Installation

Step 1: Install the right pedal on the right side(the side with chain) and tighten the pedal by 15mm open-end wrench.



Step 2: Install the left pedal on the left side(the side without chain) and tighten the pedal by 15mm open-end wrench.



◆ Seat Adjustment

Adjust the Seat Height:

Open the seat post quick release lever. Then adjust the seat post height by sliding the seat post up or down to a appropriate height for your leg length and preferred riding position. Do not extend the seat post beyond the minimum insertion marked on the seat post.



Warning: Overextending the seat post can cause it to break or come off your bike, which will put you at very high risk of serious injury or death. Avoid this danger by inserting your seat post into the seat tube far enough that the minimum insertion point is no longer visible. !

◆ Adjust the Seat Angle (extra tool 6mm Hexagon wrench) :

Step 1: Loosen the seat adjustment bolt beneath the seat. Move the seat backward or forward and tilt to adjust the angle within the limit markings on the seat rail. Do not exceed the limit markings, to ensure the safety of yourself and the bike.

Step 2 : Tighten the seat adjustment bolt. Ensure the top and bottom of the seat rail clamp are aligned, so that the seat adjustment bolt will clamp the seat rail together properly.



NOTICE: Ensure all hardware is tightened properly and all safety checks in the following sections are performed before first use. Contact Multijoy Bike if you have any questions regarding the assembly of your bike. If you are not able to ensure all the assembly steps in the assembly video are performed properly, or you are unable to view the assembly video please consult a certified local bicycle service provider for assistance in addition to contacting Multijoy Bike for help.

Please write down the serial numbers found on the head tube, battery and motor on the inside front cover of this manual to facilitate failure reporting. Make sure each letter and number is correct.



Safety Checklist

Safety Check	Basic Steps
Brakes	<ul style="list-style-type: none"> o Test front and rear brakes for proper function o Ensure brake pads are not overworn and are correctly positioned in relation to rims o Make sure brake control cables are lubricated, correctly adjusted and display no obvious wear o Check that brake control levers are lubricated and tightly secured to handlebars
Wheels and Tires	<ul style="list-style-type: none"> o Inflate tires to within recommended limits displayed on sidewalls o Check for bulges or signs of excessive wear o Clean tires to ensure tread is exposed o Ensure rims run true and have no obvious wobbles or kinks o Check that all wheel spokes are tight and not broken
Steering	<ul style="list-style-type: none"> o Ensure handlebar grips are properly installed, and handlebars and stem are correctly adjusted and tightened to allow proper steering o check that handlebar is set correctly in relation to forks and direction of travel
Chain	<ul style="list-style-type: none"> o Check that chain is oiled, clean and runs smoothly o Use extra care in wet or dusty conditions
Cranks and Pedals	<ul style="list-style-type: none"> o Securely tighten pedals to cranks o Ensure cranks are securely tightened and are not bent
Derailleurs	<ul style="list-style-type: none"> o Check that derailleur(s) are adjusted and functioning properly o Ensure shift and brake levers are attached to handlebar securely o Check all brake and shift cables for proper lubrication
Motor Drive Assembly and Throttle	<ul style="list-style-type: none"> o Ensure hub motor is spinning smoothly and motor bearings are in good working order o Check that all power cables running to hub motor are secured and undamaged o Make sure hub motor axle bolts are secured and all torque arms and torque washers are in place
Battery Pack	<ul style="list-style-type: none"> o Ensure battery is charged before use o Check for any visible damage to battery pack o Lock battery securely to frame

Safety Precautions

The following safety notes provide additional information on the safe operation of your Multijoy bike and should be closely reviewed. Improper or failure to confirm correct installation, compatibility, and maintenance of any component or accessory may result in serious injury or death.

Before Riding

- ◆ All users must read and understand this manual before first use. Additional manuals for components used on your bicycle provided and should also be read before use.
- ◆ Ensure you understand all instructions and safety notes/warnings.
- ◆ Follow the safety checklist on page 19 before first use and at regular intervals to ensure correct tightening and setup on your bicycle.
- ◆ Ensure the bike fits you properly before first use. Check local rules and regulations before riding.
- ◆ It is your responsibility to familiarize yourself with the laws and requirements of operation of this product in the area(s) where you ride.

While Riding

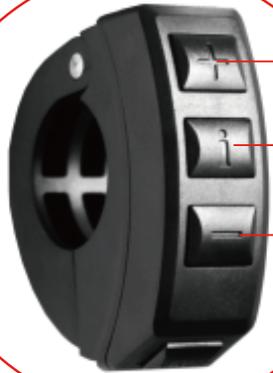
- ◆ Always wear an approved bicycle helmet whenever using this product and ensure that all helmet manufacturer instructions are used for fit and care of your helmet. Failure to wear a helmet when riding may result in serious injury or death.
- ◆ Acceleration can be unexpectedly strong in pedal assist mode (Pedal Assist level 1-5). as when you pedal the motor assist will suddenly engage. Therefore, please pay careful attention when riding. We suggest you use Pedal Only Mode (Pedal Assist level 0) when you need to ride at a slow speed to cross roads, at intersections, or when pedestrian traffic is present, in order to avoid accidents caused by sudden acceleration.
- ◆ Make sure you securely close the quick-release lever of the front wheel, checking the wheel balance in Pedal Only Mode. if you notice the riding feels imbalanced, or the rotation of the front wheel makes noise, it likely means the bolts were not completely tightened or didn't align horizontally in the center.
- ◆ Off-road riding requires close attention and specific skills, and presents variable conditions and hazards which accompany the condition.
- ◆ Wear appropriate safety gear and do not ride alone in remote areas.

Multijoy E-bike Use and Care

Start-Up Procedure

After the bike has been properly assembled following the unboxing video and all components are secured correctly, you may now proceed to start up the vehicle and select the power level following the next steps.

1. Press and hold the  button on the display for 5 seconds then release, the display will turn on.
2. Select your desired level of pedal assistance between level 0 through 5 using  and  on the display. Level 1 corresponds to the lowest level of pedal assistance, and level 5 corresponds to the highest level of pedal assistance. Level 0 indicates pedal assistance will be inactive.
3. After turn on the LCD display, press and hold the  button for 2-3 seconds to turn on/off the front light and rear light.
4. After turn on the LCD display and the bike is still, long press the  button for 2-3 seconds to switch to Manual (Boost mode). You can turn off the  Manual (Boost mode) by long press the  button for 2-3 seconds or by brake.
5. When riding the bike, long press the  button for 2-3 seconds to switch to Walk Cruise (cruise mode). You can turn off the Walk Cruise (cruise mode) by long press the  button for 2-3 seconds or by brake.
6. With the proper safety gear and rider knowledge and understanding you may now proceed to operate your Multijoy Bike. You can begin by pedaling the bike in the appropriate drive train gear with or without pedal assistance. You may also use the throttle to accelerate and maintain your desired speed.

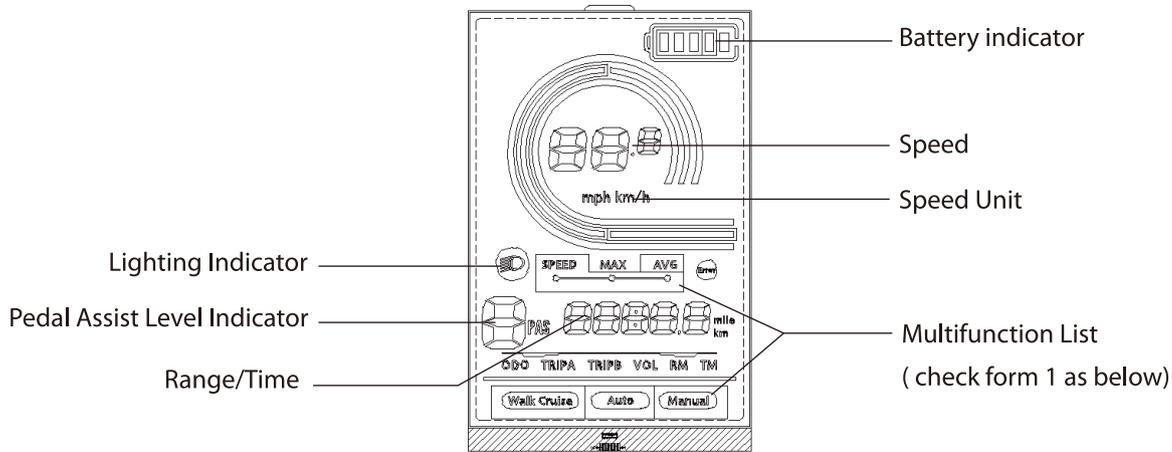


+ Pedal Assist Level & turn on/off the light

i Power on/off

- Pedal Assist Level & Manual & Walk Cruise

Display Introduction



ODO	Total mileage(km)
AVG	Average speed (km/h)
MAX	Maximum speed (km/h)
Speed	Current speed (km/h)
TRIP A	Single I mileage
VOL	Voltage
TM	Single ride time

Error Detection Display

Your Multijoy Bike is equipped with an error detection system integrated into the display and controller. In the case of an electronic control system fault an error code should display. The following error codes are the most common and can aid in troubleshooting.

Code	Definition	Code	Definition
01	The normal state	01	Keep
02	The brake	03	Assist sensor failure (Riding logo)
04	6km/h cruise(Will not appear)	05	Real-time cruise(Will not appear)
06	Battery under voltage	07	Motor failure
08	Throttle failure	09	Controller failure
10	Communication receiving failure	11	Communication transmission failure
12	BMS communication failure	13	Headlight failure

When the error code is displayed, please promptly remove the fault. After the fault occurs, the electric bike will not be able to ride normally.

General Settings

1. Press and hold the  button to power on the bike. The display will show current power, current speed, current status, ODO and PAS.
2. Then press  and  for 2-3seconds in the meantime to get access into the setting interface.Each setting item needs to be carried out while the e-bike is static.
3. After get access into the setting interface, short press  to switch P01 to P17. Then press  or  to choose parameters. Short press  to reserve parameter and switch to next setting item.
4. Long press  and  to finish the setting(If the instrument does not operate for 8 seconds, the setting interface will withdraw) .
5. The meaning of P01-P17.

Item	Default Setting	Item	Default Setting
P01: Brightness level	3 (Brightest)	P10: Driving mode setting	2 (Ban Setting by users)
P02: Miles And Kilometers Switching	0 (KM)	P11: Pedal Assist Sensitivity setting	1 (Ban Setting by users)
P03: Voltage Setting	48V (Ban Setting by users)	P12: Pedal Assist Starting strength setting	3 (Ban Setting by users)
P04: Auto power off Time	10 (Mins)	P13: Pedal Assist Magnetic steel disk type setting	12 (Ban Setting by users)

P05: PAS Level Setting	15 (Level1-5)	P14: Controller current limit setting	15 (Ban Setting by users)
P06: Wheel Size	26 (Ban Setting by users)	P15: The under-voltage point can be adjusted by "down" button	39 (Ban Setting by users)
P07: Magnetic Steel	06 (Ban Setting by users)	P16: Cruise Function	0 (Ban Setting by users)
P08: Speed Limit Setting	32 (Ban Setting by users)	P17: ODO reset setting	
P09: Zero start and push start	0 (Ban Setting by users)		

P01: Brightness

Use the "up" and "down" buttons to click the brightness and then you can change the backlight brightness. Parameters 1, 2, and 3 can be set to indicate backlight brightness, 1 is the darkest, 2 is the standard brightness, and 3 is the brightest. The factory default value is 3. Press the "up" and "down" button to change the backlight brightness parameter and press "i" to confirm the setting. Long press the "up" and "i" button to exit the general setting state.

P02: Miles And Kilometers Switching

Use the "up" and "i" buttons to choose imperial system or metric system. The default unit of the meter is metric. Long press and hold the "up" and "i" button to confirm and exit the normal setting.

P03: Voltage Setting (Ban Setting by users)

Use the “up” and “i” buttons to choose Voltage Setting: 24V, 36V, 48V. The default setting is 48V.

P04: Auto power off Time

Use the “up” and “i” buttons to choose Auto power off Time. Auto power off Time: 0, this means it would not Auto power off; Other number is the time of Auto power off, user could select the number from 1 to 60 minutes; Default: 10.

P05: PAS Level Setting

Use the “up” and “i” buttons to choose PAS Level Setting. PAS level: 0-3, 0-5; Default: Level 0-5. Long press and hold the “up” and “i” button to confirm and exit the normal setting.

P06: Wheel Size (Ban Setting by users)

Use the “up” and “i” buttons to choose wheel size: adjustable range: 4.9-30.4, and the precision can approach 0.1, and the default setting is 26 INCH. Use the “up” and “down” buttons to select the wheel diameter corresponding to the e-bike to ensure the accuracy of the meter speed display and mileage display. Long press and hold the “up” and “i” button to confirm and exit the normal setting.

P07: Magnetic Steel (Ban Setting by users)

Use the “up” and “i” buttons to choose magnetic steel. Number of speed measuring magnetic steel: adjustable range: 0-255; Default: 006. Long press and hold the “up” and “i” button to confirm and exit the normal setting.

P08: Speed Limit Setting (Ban Setting by users)

The adjustable range is 0-100km / h. 100 means no speed limit. The default value is 32.

(Non communication state Display control): when the speed is faster than the set speed, the PWM output will be turned off; When the speed drops to less than the set speed, the PWM output will be automatically turned on, and the driving speed is the current speed ± 1 km / h; (speed limit only for pedal assist, no speed limit for throttle)

Communication status (Controller control): the driving speed is kept at the set value, error: ± 1 km / h; (speed limit for pedal assist and throttle)

P09: Zero start and push start

Use the “up” and “i” buttons to access to zero start and push start setting, 0: zero start; 1: push start; Default: 0. Long press and hold the “up” and “i” button to confirm and exit the normal setting.

P10: Driving mode setting (Ban Setting by users)

Use the “up” and “i” buttons to choose drive mode setting, 0: pedal assist drive (determine how much boost is output through the PAS level, and the throttle is invalid at this time).

1: electric drive (driven by the throttle, the PAS level is invalid at this time).

2: Pedal assisted drive and electric drive coexist at the same time (electric drive is invalid under zero start state).

Default value: 002. Long press and hold the “up” and “i” button to confirm and exit the normal setting.

P11: Pedal Assist Sensitivity setting (Ban Setting by users)

Use the “up” and “i” buttons to select pedal assist sensitivity. Sensitivity setting Range: 1-24; Default: 001. Long press and hold the “up” and “i” button to confirm and exit the normal setting.

P12: Pedal Assist Starting strength setting (Ban Setting by users)

Use the “up” and “i” buttons to choose pedal assist strength. Pedal assisted starting strength setting range: 0-5; Default value: 003. Long press and hold the “up” and “i” button to confirm and exit the normal setting.

P13: Pedal Assist Magnetic steel disk type setting (Ban Setting by users)

Use the “up” and “i” buttons to choose pedal assist magnetic steel disk type. The quantities of magnetic steel for selecting is 5, 8, 12, and the default value is 012. Long press and hold the “up” and “i” button to confirm and exit the normal setting.

P14: Controller current limit setting (Ban Setting by users)

Use the “up” and “i” buttons to choose controller current limit. The default setting of controller current limit is 15A. Adjustable range: 1-20A and the default setting is: 015. Long press and hold the “up” and “i” button to confirm and exit the normal setting.

P15: The undervoltage point can be adjusted by “down” button (Ban Setting by users)

Use the “up” and “i” buttons to change the under-voltage. The under-voltage point can be adjusted by pressing the “down” button (the function here will change with the default setting of P03). Long press and hold the “up” and “i” button to confirm and exit the normal setting.

P16: Cruise Function (Ban Setting by users)

Use the “up” and “i” buttons to choose Cruise function .0: off 1: on (this function needs the support of the controller) default setting: 001. Long press and hold the “up” and “i” button to confirm and exit the normal setting.

P17: ODO reset setting

Use the “up” and “i” buttons to choose ODO reset setting: long press the “up” button for 5 seconds to reset the ODO. Long press and hold the “up” and “i” button to confirm and exit the normal setting.

Users attention

Pay attention to the safety in the process of use, do not plug and unplug the display when it is powered on.



Avoid bumping the display.



The film used for the display is waterproof film, please do not tear it, so as not to affect the waterproof performance of the display.



Please don't change the background parameter setting of the display at will, otherwise normal riding can't be guaranteed.



When the display cannot be used normally, it should be sent for repair as soon as possible.

Driving Range

◆The range of your Multijoy Bike is the distance the bike will travel on a single full charge of the onboard battery pack. The range values in this manual are estimates based on expected usage characteristics. Some of the factors which effect range include changes in elevation, speed, payload, and acceleration, number of starts and stops and ambient air temperatures. Tire pressure and terrain are also important variables to consider.

◆We suggest that you select a lower assistance level when you first get your Multijoy Bike to get to know your bike and travel routes. Once you become familiar with the range requirements of your travel routes, and the capabilities of your Multijoy Bike you can then adjust you riding characteristics if you so desire.

◆The following table provides general estimates and outlines various factors effecting range and their combined estimated effects on range. This table is meant to help owners understand the factors that can increase of decrease range, but Multijoy Bike makes no claims to the range that individual users might obtain.

Best Practices for Extending Range and Battery Life

1. Do not climb hills steeper than over 15° in grade.
2. Pedal to assist the motor when climbing hills and accelerating from a stop.
3. Avoid sudden starts and stops.
4. Accelerate slowly.

NOTICE: It is recommended that users pay close attention and ride within the following limitations to ensure the hub motor does not overheat or become damaged from excessive loading.

Parking Storage and Transport

1. Please follow these basic parking, storage and transport tips to ensure your bike is well cared for on and off the road.
2. When pushing the vehicle manually, turn off the power to avoid accident acceleration from the motor.
3. Switch the power off, and any lights to conserve battery. Remove the key from the bike and ensure the battery is locked to the frame or removed and brought with you for security.
4. In public places, your Multijoy Bike must be parked in accordance with local rules and regulations.
5. If you must park outdoors in rain, or wet conditions you should only leave your Multijoy Bike outside a few hours and proceed to park the bike in a dry location afterwards to allow all the systems to dry out. Much like a regular bike, use in wet conditions mandates a more regular maintenance schedule to ensure your bike does not become rusty, corroded and to ensure all systems are always working safely.
6. Do not park, store, or transport your Multijoy Bike on a rack that is not designed for the size and weight of the bike.
7. Wide tires, as used on Multijoy Bike, cannot fit into all bike racks, please select an appropriate rack for the width of tires used on your bike.

8. Locking up your bike is recommended to ensure your bike is secure and the chance of theft is reduced, Multijoy Bike makes no claims or recommendations on the proper lock hardware or procedures to secure your bike, but we do recommend you take the appropriate precautions to keep your Multijoy Bike safe from theft.
9. When storing your bike or carrying your bike on a rack for transport, you can remove the battery pack to reduce the weight of the bike and make lifting and loading easier.

Carrying Loads

MAXIMUM PAYLOAD FOR Multijoy Seeker

The total maximum weight limit of the Multijoy Seeker(125 Kilograms) includes the weight of the rider as well as clothing, riding gear, cargo, etc. The kickstand is not designed to be used for loading cargo. You **MUST** hold onto the bike whenever loading cargo. Do not assume the bike is stable and balanced when using the kickstand, always hold onto the bike when cargo is being loaded or in place.

Total maximum payload: 125 Kilograms.

Carrying Cargo

Carrying a cargo load involves additional risks which need to be paid close attention to, users should practice riding on a flat and open area with light cargo before attempting to carry heavier loads. You must become accustomed to the braking, steering, and operational adjustments required to safely operate the Multijoy Seeker with cargo. Braking, acceleration, and balancing are all significantly affected by the addition of cargo loaded on the Multijoy Seeker.

The following bulleted list provides important tips for the safe operation of the Multijoy Seeker when used for carrying cargo.

1. Plan your route accordingly as your hill climbing ability, steering and braking are all impacted when cargo is loaded on the Multijoy Seeker.
2. Hills that are normally easy to climb and descend without cargo can become challenging and dangerous once cargo is loaded.
3. Cargo should be loaded as low as possible to lower the center of gravity and improve stability, but ensure that cargo does not interfere with any moving components or the ground.
4. Ensure your loads are properly secured and periodically check that nothing loosens.
5. Get a feel for the cargo load in a flat and open area before riding on roads.



Do not use the front brake by itself, always apply the rear brake first followed by the front brake and be sure to use both brakes for all braking operations. Front fork failure or loss of control are plausible when the front brake is operated independently for slowing at high speed with cargo loads.



The kickstand is not designed to be used for loading cargo. You **MUST** hold onto the bike whenever loading cargo. Do not assume the bike is stable and balanced when using the kickstand, always hold onto the bike when cargo is being loaded or in place.

Charging Procedure-READ BEFORE USE



WARNING !- For user safety and to prolong the life of your battery, as well as improve battery performance, please follow these instructions.

Step 1: Ensure your bike is turned off before you attempt to charge the battery.

Step 2: Ensure that the charging port is clean and dry.

Step 3: Plug the charger into the power outlet and make sure the light on the charger is lit GREEN.

Step 4: Put the male DC connector plug into the charging port of the bike. The indicator light on the charger should change to RED, indicating that your bike is now being charged. When the RED indicator light on your charger turns to GREEN then your bike is fully charged. A full charge typically occurs at 6-9 hours.



Step 5: Please unplug the charger from your bike and from the power outlet. Please ensure you put the charging port cover back in place to cover the charging port once the battery is charged before you use the bike.

NOTE: You can also take off the battery from the bike and charge the battery separately.



battery key



Charge Port

Basic Battery Charging Tips

- 1.The battery should be recharged after each use.There is no memory effect,so you can charge the battery after short rides without damage.
- 2.The battery can be recharged on or off the bike.
- 3.Remove the battery by turning the key and then pulling the battery forward and up until the battery detaches from the mating receptacle.
- 4.The charger will automatically stop charging when the battery pack is full.
- 5.Always charge in dry locations and indoors away from direct sunlight,dirt or debris.
- 6.Do not cover up the charger when plugged in or charging,it air cools and needs to be left in an open space.Do not charge with the charger in the inverted position which can inhibit cooling and reduce the charger's life.
- 7.Check the charger cables,charger and battery for damage before beginning each charge.
- 8.The light on the charger will turn green when charge is complete and stay red while the battery charges.
- 9.Charging normally takes 6~9hours,however it can take longer when you first receive the bike since the battery pack is balancing.

NOTICE: Always charge your battery in temperatures between 10 and 26 degrees Celsius and ensure the battery and charger are not damaged before initiating charge. If you notice anything unusual while charging, please discontinue charging and use of the bike and contact Multijoy Bike for help.

When the Battery Is Removed

1. Do not touch the "+" and "-" terminal contacts on the bottom of the battery when the battery is removed from the bike.
2. Be careful not to drop or damage the battery pack when loose from the bike.

When Installing the Battery onto the Bike

1. Do not force the battery onto the receptacle, slowly align and push battery down into the receptacle.
2. Ensure the key is in the locked position before riding and check that the battery has been properly secured to the bike before each use by pulling upwards and testing the security of the pack.

Charging Time

When the input and output plugs of the charger are connected properly, and the battery is not fully charged, the red charging indicator light should illuminate, showing that the battery is charging. The time that the battery takes to fully charge the battery is dependent on various factors including distance traveled, riding characteristics, terrain, payload, and battery age.

NOTICE: The battery pack can take longer to charge when fully depleted and when the battery is new. As your battery ages you might also experience increased charging times, but this is only expected after 3-5 years of regular use. If your battery does not seem to be charging normally, and taking longer to charge than expected, please discontinue charging and contact Multijoy Bike immediately.

Charger Safety Information

- 1.Keep charger in a safe place away from children.
- 2.Fully charge the battery before each use to extend the life of the battery and help to reduce the chance of over-discharging the battery pack. Do not charge the battery with any other chargers than what was originally supplied with your Multijoy Bike or a charger purchased directly from Multijoy Bike for use with your specific bike serial number,as approved by Multijoy Bike.
- 3.The charger works on 110/220V 50/60 Hz standard home AC power outlets do not open the charger to select voltage input, the charger automatically detects and accounts for incoming voltage.
- 4.Avoid charger contact with liquids dirt,debris or metal objects.
- 5.Store the charger in a location where it cannot suffer damage from falls/impact.
- 6.The charger should only be used indoors in a dry ventilated area.
- 7.If you notice a strange smell or the charger or battery are overheating,please stop charging immediately and contact Multijoy Bike.
- 8.Do not yank or pull on the cables of the charger.When unplugging carefully remove both the AC and DC cables by way of pulling on the plastic plugs,not pulling on the cables.



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Basic Troubleshooting

Symptoms	Possible Causes	Most Common Solutions
It doesn't work	<ol style="list-style-type: none"> 1. Insufficient battery power 2. Faulty connections 3. Battery not fully seated in tray 4. Improper turn on sequence 5. Brakes are applied 	<ol style="list-style-type: none"> 1. Charge the battery pack 2. Clean and repair connectors 3. Install battery correctly 4. Turn on bike with proper sequence 5. Disengage brakes
Irregular acceleration and/or reduced top speed	<ol style="list-style-type: none"> 1. Insufficient battery power 2. Loose or damaged throttle 	<ol style="list-style-type: none"> 1. Charge or replace battery 2. Replace throttle
When powered on the motor does not respond	<ol style="list-style-type: none"> 1. Loose wiring 2. Loose or damaged throttle 3. Loose or damaged motor plug wire 4. Damaged motor 	<ol style="list-style-type: none"> 1. Repair and or reconnect 2. Tighten or replace 3. Secure or replace 4. Repair or replace
Reduced range	<ol style="list-style-type: none"> 1. Low tire pressure 2. Low or faulty battery 3. Driving with too many hills, headwind, braking, and/or excessive load 4. Battery discharged for long period of time without regular charges, aged or damaged 	<ol style="list-style-type: none"> 1. Adjust tire pressure 2. Check connections or charge battery 3. Assist with pedals or adjust route 4. Replace the battery

Wheel or motor makes strange noises	<ol style="list-style-type: none"> 1. Charger not well connected 2. Charger damaged 3. Battery damaged 	<ol style="list-style-type: none"> 1. Adjust the connections 2. Replace 3. Replace 4. Repair or replace
Wheel or motor makes strange noises	<ol style="list-style-type: none"> 1. Damaged motor bearings 2. Damaged wheel spokes or rim 3. Damaged motor wiring 	<ol style="list-style-type: none"> 1. Replace 2. Repair or replace 3. Repair or replace motor



As a parent or guardian, you are responsible for the activities and safety of your child. The Multijoy Seeker is not designed for use by children.

The following safety notes provide additional information on the safe operation of your Multijoy Bike and should be closely reviewed. Failure to review these notes can lead to serious injury or death.

1. All users must read and understand this manual before first use. Additional manuals components used on your bicycle may also be provided and should be read before use in addition to this manual Ensure that you comprehend all instruction and safety notes/warnings.
2. Ensure the bike fits you properly before first use. You may lose control or fall if your bike is too big or too small
3. Always wear an approved bicycle helmet whenever using this product and ensure that all helmet manufacturer instructions are used for fit and care of your helmet Failure to wear a helmet when riding may result in serious injury or death.
4. Ensure correct tightening and setup is performed on your bicycle before first and checked regularly.
5. It is your responsibility to familiarize yourself with the laws and requirements of operation of this product in the area(s) where you ride.
6. Ensure handle bar grips are not damaged and properly installed. Loose or damaged grips can cause you to lose control and fall.

7. Do not use this product with standard bicycle trailers, stands or bicycle racks. Contact Multijoy Bike to check if your equipment will work with the bicycle.

8. Off-road riding requires close attention and specific skills and presents variable conditions and hazards which accompany the conditions. Wear appropriate safety gear and do not ride alone in remote areas. Check local rules and regulations if off-road riding is allowed.

9. Engaging in extreme riding is extremely dangerous and should be avoided. Although many articles/advertisements/catalogue depict extreme riding this is not recommended nor permitted, and you can be seriously injured or killed if you perform extreme riding.

10. Bicycles and bicycle parts have strength and integrity limitations and extreme riding should not be performed or you risk damaging the components or becoming seriously injured or killed.

11. Failure to confirm proper installation, compatibility, proper operation or maintenance of any component or accessory can result in serious injury or death.

12. After any incident, you must consider your bike unsafe to ride until you consult with a certified bicycle mechanic for a comprehensive inspection.

13. Failure to properly charge, store or use your battery will void the warranty and may cause a hazardous situation.

14. Extreme care should be taken when using the pedal assistance sensor and throttle on this product. Ensure you understand and are prepared for the power assistance to engage as soon as pedaling is underway.

15. You should check the operation of the brake inhibitor switches before each ride. The brake system is equipped with an inhibitor which shuts down the power to the electric motor whenever the brakes are engaged. Check proper operation of brake switches before riding.
16. User must understand the operation of the twist throttle and pedal assistance sensors before using, and take ample care in their usage in respect to traveling at speeds appropriate for usage area and user experience level. Always use the lowest assist level until you are comfortable with the bike and feel confident in controlling the power.
17. Any aftermarket changes to your Multijoy Bike not expressly approved by Multijoy Bike could void the warranty and create an unsafe riding experience
18. Because electric bicycles are heavier and faster than normal bicycles, they require extra caution and care while riding.
19. Take extra care while riding in wet conditions. Feet or hands can slip in wet conditions and lead to death or serious injury from a fall.
20. Do not remove front or rear reflectors, pedal reflectors or bell.

Maintenance

To ensure safe riding conditions you must ensure your bike is properly maintained. You should follow these basic guidelines and see your certified bicycle mechanic at regular intervals to ensure your bike is safe for use.

1. Properly maintain batteries by keeping them fully charged when not in use.
2. Never immerse the bike or any components in water as the electrical system may be damaged.

2. Never immerse the bike or any components in water as the electrical system may be damaged.
3. Periodically check wiring and connectors to ensure there is no damage and the connectors are secure.
4. To clean, wipe the frame with a damp cloth soaked in a mild non-corrosive detergent mixture. Dry with a cloth.
5. Store under shelter; avoid leaving it in the rain or exposed to corrosive materials. If exposed to rain, dry your bicycle afterwards and apply anti-rust treatment to chain and other unpainted steel surfaces.
6. Riding on the beach or in coastal areas exposes your bicycle to salt which is very corrosive. Wash your bicycle frequently and wipe or spray all unpainted parts with anti-rust treatment. Damage from corrosion is not covered under warranty so special care should be given to extend the life of your bike when used in coastal areas or areas with salty air or water.
7. If the hub and bottom bracket bearings have been submerged in water, they should be taken out and re-greased. This will prevent accelerated bearing deterioration.
8. If the paint has become scratched or chipped in the metal, use touch up paint to prevent rust. Clear nail polish can also be used as a preventative measure.
9. Regularly clean and lubricate all moving parts, tighten components and adjust as required.



our cables, spokes and chain will stretch after an initial break in period of 80-160 km, while bolted connections can loosen. Therefore, always have a certified bicycle mechanic perform a tune-up on your Multijoy Seeker after your initial break-in period of 80- 160 km (depending on total weight, riding characteristics and terrain). Regular inspections and tune-ups are particularly important for ensuring that your bicycle remains safe and problem-free.

Warranty

Every bike is covered under a manufacturer's two-year all-inclusive warranty for the original owner against all manufacturing defects. Multijoy Bike warrants this product, including all individual components against defects in material or workmanship as follows:

Multijoy Bike LIMITED 2 YEAR WARRANTY

Multijoy Bike bicycle components including frame, forks, stem, handlebar, headset, seat post, saddle, brakes, lights, bottom bracket, crank set, pedals, rims, spokes, wheel hub, freewheel, cassette, derailleur, shifter, motor, throttle, controller, wiring harness, LCD display, kickstand, reflectors and hardware are warranted to be free from manufacture defects in materials and/or workmanship for a 2-year period from the date of original purchase.

Wear and tear is not covered under warranty. Multijoy Bike lithium ion batteries are warranted to be free from manufacturing defects in materials and/or workmanship for a 2-year period from the date of original purchase. The battery warranty does not include damage from power surges, use of improper charger, improper maintenance or other such misuse, normal wear or water damage.

The Following are Also Excluded from the Warranty:

1.Liability for material defects does not cover normal wear which occurs from the manufacturers intended use of the product. Components such as the battery pack, motor system, braking system, drivetrain system, saddle, grips and pedals are all subject to intended use-related wear and are not covered under the warranty from normal wear.

2. Damage arising from the use of the bike in a competition or other applications outside of normal intended use.
3. Damage arising by improper tools or inadequate maintenance performed on the bike.
4. Damage resulting from adding non-standard equipment, parts or technical modifications.

Additional Warranty Terms

This warranty does not cover any damage or defects resulting from failure to follow instructions in the owner's manual, acts of God, accident, misuse, neglect, abuse, commercial use, alterations, modification, improper assembly, wear and tear, installation of parts or accessories not originally intended or compatible with the bicycle as sold, operator error, water damage, extreme riding, stunt riding, or improper follow-up maintenance. This warranty does not include consumables or normal wear and tear parts (tires, tubes, brake pads, cables and housing, grips). Multijoy Bike will not be liable and/or responsible for any damage, failure or loss caused by any unauthorized service or use of unauthorized parts. In no event shall Multijoy Bike be responsible for any direct, indirect or consequential damages, including without limitation, damages for personal injury, property damage, or economic losses, whether based on contract, warranty, negligence, or product liability in connection with their products. All claims to this warranty must be made through Multijoy Bike. Proof of purchase may be required with any warranty request.

Additional Information on Wear

Components of the Multijoy Seeker are subject to higher wear when compared to bicycles without power assistance. This is because the Multijoy Seeker can travel at higher average speeds than regular cycles and has a greater weight. Higher wear is not a defect in the product and is not subject to warranty. Typical components affected are the tires, brake pads, suspension forks, spokes/wheels and battery pack.



When the useful life of a component is surpassed it can cause unexpected loss of function. This can result in serious injuries or even death. Therefore, pay attention to wear characteristics such as cracks, scratches or changes in the color or operation of components which could indicate useful life has been exceeded. Worn components should be immediately replaced.

Thanks for Choosing Multijoy Bike!



YOUR RIDE TO DISCOVERY AND ADVENTURE

www.multijoybike.com