



# Jetty 4.0 Electric Bicycle Owner's Manual



THIS MANUAL CONTAINS IMPORTANT SAFETY, PERFORMANCE, AND MAINTENANCE INFORMATION. READ THE MANUAL BEFORE TAKING YOUR FIRST RIDE ON YOUR NEW ELECTRIC BICYCLE, AND KEEP THE MANUAL HANDY FOR FUTURE REFERENCE.



# IMPORTANT: KEEP FOR FUTURE REFERENCE

## About this Owner's Manual

It is important for you to understand your new electric bicycle (e-bike). Even if you have ridden an e-bike before, it is important for every person to read this manual before riding – you'll know how to get better performance, comfort, and enjoyment from your new e-bike!



### CAUTION

Before riding your e-bike, you will need to charge your battery fully before using. Failure to do so may damage the battery life and performance.

Please take the time to read this manual while the battery is being charged. It is the Owner's responsibility to carefully read all of the contents of this manual and to comply with all laws pertaining to the operation of bicycles and/or electric bicycles in your local jurisdiction.

If the owner is unable to fully understand this information please contact Fifield Incorporated directly for further explanation.



### WARNING

Don't dismantle and repair parts by yourself, please go to the local distributor or the servicing station if necessary.

## Register your Electric Bicycle

Due to recent federal legislation an electric bike is no longer classified as a motor vehicle. However, various states have differing laws about riding them on the road. These regulations may include but are not limited to being at least 16 years of age and/or having a valid drivers' license. If you have any questions regarding your states legislation please consult with the Laws web page or consult your local department of motor vehicles for clarification.

If you have further questions about the operation of this e-bike, consult your authorized dealer or contact Fifield directly. It is extremely important that you follow the safety guidelines contained in this manual in order to ensure your maximum safety. If you loan your bike to anyone make sure they have also read and fully understand this owner's manual.

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## Contact Fifield

info@fifieldebikes.com • (781)-927-1511  
72 Sharp Street, Hingham, MA 02043

Along with registering online, for your own benefit, please also enter information about your bicycle below.

Welcome to the Fifield e-Bike family!

**My bicycle model:** \_\_\_\_\_

**My frame serial number:** \_\_\_\_\_

**My motor serial number:** \_\_\_\_\_

**My dealer and #:** \_\_\_\_\_

**Date of purchase:** \_\_\_\_\_

Keep for your records



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## Congratulations!

You are now the proud owner of a Fifield Electric Bicycle!

Your electric bicycle is like any other bike, but with electric pedal assistance and throttle. The same precautionary steps while biking should be taken to prevent any accidents or injuries.

“Electric” means that your e-bike will assist you when you are pedaling if you so choose. You may also pedal normally with no assistance at all or twist the throttle to get moving with no pedaling necessary.

The electric bicycles’ amount of assistance will depend on what level you set it to; the speed varies from 0 to 5. The fastest speed this bicycle travels is 20 MPH (32 Km/h).

## Know your electric bicycle

If misused the features of your electric bicycle may cause you to lose control of the e-bike. Before riding in fast or more difficult situations, learn the function and performance of all the mechanisms of your bike by riding at slower speeds in a flat, empty space.

**The maximum weight is 286lbs (130 kg).** When riding, please pay

attention to the weather and load on your bike; if any changes are noticed adjust your riding style accordingly. When it is raining or snowing, please increase braking distance as a safety precaution.

This e-bike is not afraid of rain or snow, but it **cannot be submerged in water**. When water submerges the motor it can cause a short circuit to occur and damage the electric apparatus.



### CAUTION

Charge your battery fully before using.

## Specifications

The Jetty comes standard with sleek black magnesium-alloy rims.

The 36V - 9.5 Ah lithium battery can propel the bike at speeds up to 20mph using its 350W brushless rear-drive motor. The range varies from 25-35 miles, based upon dependent variables.

Chain driven, the Jetty is also equipped with shimano Alfine 8-speed external gearing and Kenda reflective kevlar belted tires.

All together the bike weighs 42 pounds

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## Accessories

The Jetty comes with a headlight and taillight that can both be operated through the LCD control screen (page 10).

Also, a foldable kickstand and rear cargo rack.

A USB charging outlet can also be found under the black rubber cover next to the charging port (page 13).

A bell can also be found on the left handle bar in front of the throttle.

## Check your e-bike before riding everytime

Before operating your electric bicycle, inspect it carefully to avoid accidents or damage. Inspect your bike completely before each ride.

Turning the power on and then **accidentally twisting the throttle** can result in the e-bike lurching forward and may cause an accident, damage, or injury.

Before riding, check the air pressure of the tires (45 – 50 psi). Be sure to test the front and back brakes, as well as the condition of the handlebars and the front and back wheels.

Make sure that everything is fastened and secure. Be sure to check that all quick releases are locked and in good working order.

## Taking off

As the bike starts, accelerate slowly; do not try to get to your maximum speed right away because doing so could damage the electric components.

If applied, the hand brake will automatically cut the power to the motor as well as release the throttle. You should **avoid using the throttle while brakes are being applied** so that you do not overload the motor. When starting from an elevated path, pedal as much as possible so that the electric power will last longer. Pedaling more than using solely the throttle will lengthen the life of the battery and motor.

## Going downhill

When going downhill, please do not turn the power off. If you are not pedaling or using the throttle, there will be no power assist when traveling downhill.

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## Local riding laws

Most state and local areas have specific laws for cyclists. Please check with your local Department of Motor Vehicles for clarification. Again, these e-bikes are not considered motor vehicles, but may be subject to additional regulation based on the state you live in. Some of the common laws include mandatory lights and reflectors on the bikes.

## Safety precautions

Be sure to ride an appropriate distance away from cars, pedestrians, and other obstacles. In addition, try to avoid potholes, drain grates, and other imperfections in the road which may affect your ability to ride. A bell is provided to alert others of your approach.

OBEY all traffic laws relevant to the operation of bicycles and electric bicycles.

KEEP both hands on the handlebars at all times and do not hang objects from the handlebars.

RIDE predictably and in a straight line. Never ride against traffic.

USE the correct hand signals when turning or stopping. If you do not know the proper hand signals, it is important you learn them before riding on the road.

USE extreme caution when you are near other vehicles. Ride defensively and assume that other people on the road do not see you, and be careful at intersections when starting from a stopped position.

DO NOT suddenly brake in the rain or on slippery surfaces.

WEAR a helmet for your protection and bright or reflective clothing to make you more visible.

DO NOT wear loose clothing because it can get caught in the bicycle.

When going over train tracks, be sure to ride perpendicular to the tracks or walk your bicycle across.

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## Varying riding conditions

### Wet conditions

Like any other moving object, when it is wet or snowing, there is less traction. This applies specifically to the brakes on the bike; they will not perform as well as they do in dry climates. Be sure to brake earlier because it will take a longer distance to come to a full stop. Ride at a slower speed and try to be more visible.

### Low visibility

Even though your bicycle comes with headlights, rear lights, and reflectors, in situations where there is low lighting it may make it difficult for people to see you. Be sure to see and be seen in your environment. Wear reflective and bright colored clothing to enhance visibility for others.

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## Switching ON/OFF

The LCD has three buttons.



**MODE**    **UP**    **DOWN**

To power on the bike, remove the black rubber cover found on the left side of the main frame of the bike, and turn on the red power switch. From here, go to the LCD screen and hold down the **MODE button** for 2 seconds. To turn off, hold **MODE** for an additional 2 seconds. Be sure to turn the bike off when not in use to preserve battery life (both the LCD screen and the main power switch).

When the e-bike is parked for more than 10 minutes, the display will automatically shut down. Refrain from turning off the system while riding.

## LCD display screen



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## LCD Function Summary

The LCD screen provides a wide range of functions and indicators to the fit your needs. The indicated contents are as follows:

- Battery level indicator
- Speed display
- Trip distance and total distance
- Cruise control (when walking)
- Headlight on/off
- Motor power (wattage)
- Trip distance and total distance



### CAUTION

Try to avoid hitting the screen. Do not try to modify the system parameters as it may cause malfunctions.



### WARNING

Contact service center if an error code is displayed. Do not attempt to fix it yourself.

## Display Interface

After starting up the display, the default setting will show running speed. Press **MODE** to change the information from Running Speed to Average Speed, Max Speed, Trip Distance, Total Distance, and Trip Time.

## Push Cruise Control

Press and hold **DOWN** to enable power assist while walking the bicycle. Your bike will go at a speed of 3.7 MPH (6 KMPH).

**NOTE:** This function can only be used while pushing/walking the electric bike by hand. Please do not use this function while riding.

## Backlight On/Off

Hold **UP** for 2 seconds to turn on the backlight of the display; this will also power on the headlight. Hold **UP** again for 2 seconds to turn off.

## Power Assist Level Selection

Press **UP** or **DOWN** to change desired output of power. The power ranges from 0-5. Level 0 will supply no power to the pedal assist and level 5 will supply the maximum. The default value is level 1 though you will be able to shift freely at any time. Your current level of power assist can be seen in the bottom left corner of the LCD screen labeled as "PAS."

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## Clearing the Trip Time and Distance

1. Press and hold the “+” and “-“ buttons at the same time
2. A menu titles “tc-n” will appear
3. Press the “+” button to make the option “tc-y”
4. This means “trip clear – yes”
5. Press the “M” button to select and clear
6. Now press and hold the “M” button to back out of the following menu

## Battery Indicator

The five battery bars represent the capacity of the battery. When the battery is low the battery frame on screen will flash to notify that it needs to be recharged immediately.

## Error Code Information

If an error code appears, take note of what code is displayed. Contact a service center to get your bicycle repaired. An error code will be displayed in the bottom right corner in place of the normal “WATT” display.

## Pedal assistance

Your pedal assist will start once you start to pedal and stop once you stop peddling. You are able to adjust the amount of assistance on the LCD screen by adjusting the + / - button. If you do not want any assist, bring your bike to a stop and power off the system. If the handbrakes are applied, the pedal assist will cut automatically. You do not need to turn the power off when going downhill.

## Throttle

The throttle is located on the left side of your handlebars. It is a one speed throttle which does not engage unless the bike is pedaled to engage the motor, and then the throttle can be used and pedaling can stop. There is an automatic SHUT OFF of the throttle once you apply the brake levers.

## Gears

There are 7 external gears on your bicycle. The gears are located on the right side of your handlebars. In order to shift between gears, simply move the shifter up and down until you find a suitable gear to ride in.

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## Battery

The battery supplied is the top quality 10.4 amp Lithium Battery the bike to ensure no damage can come to it.

Your battery should be recharged after each use. The normal lifecycle of the battery, if continuously discharged and recharged, is about 3-5 years or 800-2000 recharges, after which the storage capacity will decline.

Again, be sure to **fully charge the battery before the first use.**

The range in distance on a full charge is approximately 25 – 35 miles depending on your weight class and terrain. Higher weight classes and uneven surfaces will require more power than lighter weights and flatter surfaces. This equals to 5 – 6 hours of continuous riding, again depending on your weight class and terrain.

Battery performance is affected by temperature, and will perform better in warmer temperatures. When the temperature is below 32°F (0°C), the battery current may decrease by 1/3. Consequently, the travel range in cold environments is less than in warmer environments, but will return to normal when the battery returns to room

and was designed specifically for this electric bicycle. The battery is sealed safely within the frame of

temperature.

Frequent braking/starting, riding uphill/against strong winds, starting from a standstill, or riding on rough/muddy roads will use extra power and lower range. Here are a few tips to prolong the battery life under these conditions:

- Frequent braking/starting – try to look ahead and coast rather than stop and go frequently.
- Riding uphill/against strong winds – pedal to supplement the battery power.
- Starting from a standstill – use pedals to help bring you up to speed, not just the throttle.
- When battery meter indicates low power remaining, switch to manual power and avoid using the battery.
- If the bicycle is being stored, remove the battery and recharge it every month.



### **WARNING**

Do not attempt to access the Lithium battery in any way. Doing so may cause chemical, electric, and/or fire hazards.

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Fifield is not responsible for any damages caused by use of other products not specifically designed and tested for use with this electric bicycle.

The battery chargers contain sensitive electronics. Improper use, dropping, or sudden jolts can damage the charger and its internal electronics.

## Charging the battery

It is important that you charge your battery after every use. This will extend the total life of your battery.

Because specifications of the charger may change in the process of production, please read the charger manual in detail before use.



### **WARNING**

DO NOT use chargers or other components on your e-bike other than the ones which have been approved and tested by this company.

## How to charge

To charge, turn the bike off and insert the plug of the charger into the charging port. This can be found on the left side of the main bike frame. Simply remove the black rubber cover to access the

power outlet. Once this is complete, insert the charger into the electrical outlet.

The standard 120V wall outlet in most homes is sufficient power to charge the battery.

The light on the battery charger will appear RED to show that is not full. A full recharge typically takes 3-4 hours. When the battery is full, the light will change from red to GREEN. You can continue to charge for 1 – 2 more hours after it turns green.

Unplug the power source from the battery and then from the electrical outlet. Store the charger in a cool, dry place.

**NOTE:** After the light turns green, the charger is in “trickle charge.” This means that if plugged in, it will continue to charge slowly and maintain the charge. Doing this will not harm the battery. For safety and long battery life, unplug the battery if you are going to be gone for an extended period of time.

**Do not leave the charger plugged into the battery for more than 10 hours to avoid overcharging**

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Using your power source incorrectly or leaving the charger connected to the battery and will become warmer. Be sure to keep the charger away from any flammable objects. On a normal charge cycle, the charger may reach temperatures up to 185°F (85°C).

## **PRECAUTIONS** while charging:

- ALWAYS use the charger according to the instructions
- DO NOT use any charger other than the one that came with your e-bike. If you need a replacement, please contact Customer Service
- DO NOT attempt to open or repair your charger or battery if it is malfunctioning

### **WARNING**

Do not submerge this bicycle. This may cause a short circuit which could lead to injury or death.

# MAINTENANCE

## Wheels

Wheels should be centered in the fork or dropouts. If you hear any irregular noises from the wheels or brakes, the wheels should be checked and repaired. The wheels should rotate smoothly without wobbling from side to side.

Check the bearing play of the hubs by lifting the bicycle and spinning the wheel; it should continue to spin for several turns after you remove your hand. To check the play of the hubs, try to move the wheel from side to side between the forks. If you detect any substantial movement, or if the wheel is difficult to turn, the bearings must be adjusted or replaced. Please contact a local bicycle dealer to have the hub bearings adjusted.

## Throttle

The throttle should always be tightly secured and in place. If there is movement from the original location, or the throttle does not power the bicycle when twisted, bring the bike to a repair shop.

## Rims

The new Jetty comes with black spoke-less rims to increase durability and decrease maintenance.

## Tires

It is recommended that your tire pressure is at least 40 psi. Before every ride, make sure that the tires are inflated according to the pressure on the sidewall. Improper tire pressure will make riding more difficult, cause excessive wear, and will result in the premature failure of the tire.

The tires should be properly seated in the rim. The fitting of the tire bead and rim bead should be checked regularly. If the tube is pinched between the rim and the tire, the tube will pop and create a hole in your tire.

Make sure that the tire is not cracked or worn unevenly and that it is without bulges. Also be sure to check the valve stem to see if it is straight in the rim. Irregular tires should be replaced immediately.

## **Bike Frame and Handlebars**

Before each ride ensure that the middle of the bike frame of each to ensure nothing will be moving on your ride. If there are issues with the locking clasps or collapse points are showing movement bring to bicycle dealer for repair.

## **Brakes**

Riding with brakes and cables that are worn or damaged, or wheels in poor condition, may result in losing control of your bicycle. Wet weather may also hinder the brake performance. Be sure you allow for more distance to safely stop in the wet or icy conditions. Check before each ride.

## **Battery**

Never attempt to open the Lithium battery in any way. If you are having any issues with the battery, please bring the bike to your local bike mechanic for repairs.

and the handlebars are straight and in the locked position. Be sure to double check the locking clasp

## **General maintenance**

Change the lubricating grease of the front axle, back-shaft, and pivot once every three months. Pour a small amount of mineral oil every half a year into the brake pipe. Be sure to oil the chains and sprockets to keep from rusting and for smooth riding.

When cleaning your electric bike, do not use a steady, direct, stream of water from a hose. Use a wet cloth instead to avoid short circuiting any electric components. Your electric bike has a durable finish and does not need to be waxed. Simply clean with mild detergent and buff to restore its original shine.

# LIMITED WARRANTY

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Every new Fifield e-bicycle comes with our warranty. Once your Fifield e-Bike is registered with Fifield e-Bicycle Incorporated, we provide each original retail purchaser a warranty against defects in materials and workmanship, as stated below:

## **2 year**

- Frame
- Electric motor, LCD, and controller
- Battery pack (or 500 charges, whichever comes first)

This warranty applies to 2014 and newer model bicycles. Any other original part or component shall be covered by the stated warranty of the original manufacturer. Any products not specifically included above are hereby omitted. Any other original part or component shall be covered by the stated warranty of the original manufacturer. Any products not specifically included above are hereby omitted.

## **THIS WARRANTY DOES NOT COVER:**

- Normal wear and tear
- Improper assembly
- Improper follow-up maintenance
- Installation of components, parts, or accessories not originally intended for or compatible with the bicycle as sold
- Damage or failure due to accident, misuse, abuse, or neglect
- Damages resulting from failure to follow Instructions for Use and Warnings as provided in the Owner's Manual for the e-Bicycle
- Damages resulting from improper charging of the battery pack or use of any charger not supplied by Fifield e-Bicycles Incorporated
- Labor charges for part replacement or changeover

This warranty is void in its entirety by any modification of the frame, fork, or components. This warranty is expressly limited to the repair or replacement of a defective item, and said repair or replacement is the sole remedy of the warranty. This warranty extends from the date of purchase, is offered only to the original owner, and is not transferable. This warranty applies only to Fifield Incorporated purchased through an authorized dealer or distributor. Fifield Incorporated is not responsible for incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. Any claim against this warranty must be made through an authorized dealer or distributor. Proof of purchase is required. A bicycle must be registered with Fifield Incorporated before a warranty claim may be processed. Claims made outside the country of purchase may be subject to fees and additional restrictions. Warranty, duration, and detail may differ by frame type and/or by country. This warranty gives you specific legal rights, and those rights may vary from place to place. This warranty does not affect your statutory rights. The English version of the warranty shall prevail.

Welcome to the family.

