



Fifield Bonfire 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



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

It is the Owner's responsibility to carefully read all 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 Fifiel Incorporated directly for further explanation.



WARNING

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

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 Fifiel directly. It is extremely important that you follow the safety guidelines contained in this manual 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.

IMPORTANT: KEEP FOR FUTURE REFERENCE

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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Fifield Limited Warranty

Congratulations!

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

Your electric bicycle is like any other bike, but with electric pedal assistance. 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

Specifications

The Bonfire comes standard with either a 350W mid-drive motor, or a 500W rear-hub drive motor. The 36V / 13.4Ah battery (350W), 48V / 14.5Ah (500W) battery is integrated into the bike frame and powers the motor at assisted speeds up to 20MPH.

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

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.

Check your e-bike before riding every time

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

Check wire connections to make sure they are tight, make sure wheels spin freely and aren't rubbing the brakes, monitor air pressure in tires.

CAUTION

Always keep the power switched OFF before riding. Turn on *only after* you are ready to ride.

If the battery was removed, place the battery back into its location and be sure to lock it and remove key.

Check to see that the battery is fully charged (battery level indicated on screen) before riding and check the air pressure of the tires (60 – 80 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.

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.

Always wear a helmet when riding on the road or off-road terrain as a safety measure.

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.

The Bonfire comes with two varying LCD displays, depending on the model (350W or 500W). Refer to your model show below.

350W Mid-Drive Bike Display

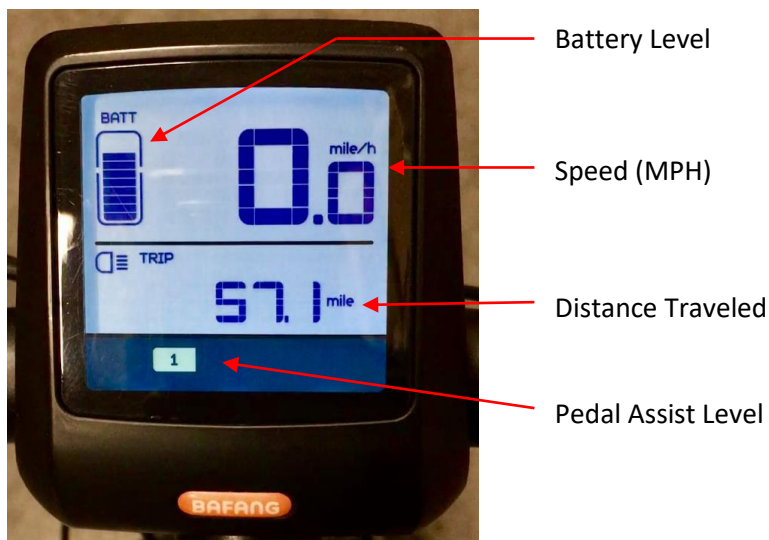
This model has a Bafang Display located in the center of the handle bars. On the left handle bar side there will be the controls to this display.

To power on the bike, press and hold the IEC power symbol button. The display will light up and this button can be released.

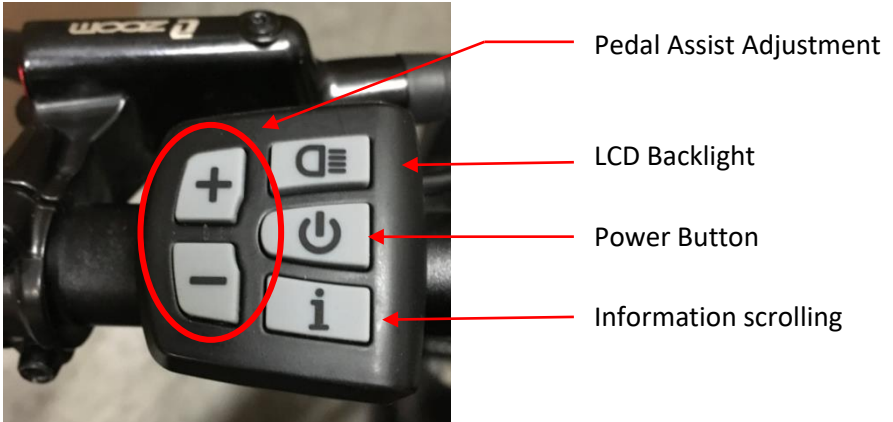
The backlight on this screen is automatic, hoer, to manually turn it on or off, simply hold the light symbol.

The “I” symbol will aid you inscrolling through the trip distance, max speed, average speed and general “information.”

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.

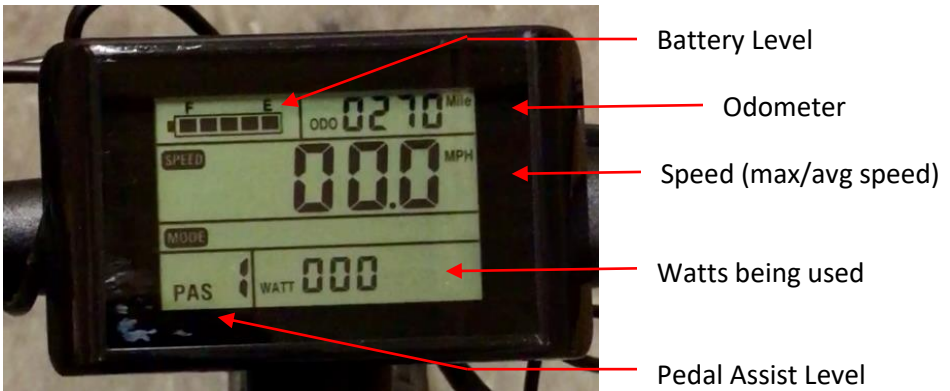


To increase pedal assist, use the controller on the left side handle bar. Pressing the “+” button will increase the pedal assist, pressing the “-“ will decrease it. “0” pedal assist means the bike will provide no power assistance.



500W Rear-Hub Motor

The 500W display is turned on by holding the “MODE” button on the left hand controller.



Pressing the “MODE” button will allow you to cycle through your average speed, maximum speed, and trip distance.

To turn on the screen backlight, you must hold the “UP” arrow and the “MODE” button at the same time.

To use the walk function of the bike (having the bike move while you walk next to it), press and hold the “DOWN” arrow and the rear wheel will spin 2-3mph to make walking with your bike easier.

The “UP” and “DOWN” arrows can be used to adjust the pedal assist, just like the + and – buttons on the 350W model. The “0” means the bike will give no pedal assistance; it will ride as a regular bike with the 9 speed gearing. Each level up from this will increase the amount of power the bike assists you with while riding. A diagram of the 500W model remote can be seen below.



Pedal Assist Adjustment
(increase)

MODE button to power on
and cycle through
statistics

Pedal Assist Adjustment
(decrease)

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



WARNING

Contact service center if an error code is displayed. Do not attempt

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** or **“-“** 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.

Power Assist Level Selection

Press **“+”** or **“-“** 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.”**

Clearing the Trip Time and Distance (350W Model)

Double click the **“”** button very fast (<0.3 seconds in-between) to bring up a settings menu.

A menu titled **“tc-n”** will appear.

Press the “+” button to make the option “tc-y”

This means “trip clear – yes”

Now double click the “/” button very fast (<0.3 seconds in-between) to select/return to the main screen (Leaving the menu unattended for 10 seconds will automatically make it return to the main screen).

Your max speed, trip distance/time, and average speed will all be reset.

Battery Indicator

The 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.

For more information on the LCD screen, refer to our website to download the extended version of the manual.

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.

Gearing

The gear shift is located on the right handle bar. There are 9 speeds available. In order to shift between gears, simply pull the trigger with your index finger to increase the gear, or press in the trigger under the handle to decrease the gear. The downshifting trigger can be pressed in one click to downshift once, or two clicks to downshift twice, or three clicks to downshift three times (initial gear being greater than 3).

Battery

Your battery should be recharged after each use. The battery is a 36V / 13.4 Amp lithium ion battery. The normal lifecycle of the battery, if continuously discharged and recharged, is about 5-10 years or 1500-2500 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 30 – 50 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 it the battery returns to room 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.



WARNING

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

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.

Here 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



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.

Charging the battery

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

Read charger manual for specific production details.

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 (depicted below this paragraph). 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 from the charger 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 and potential damage to the battery.

Using your power source incorrectly or leaving the charger connected to the battery when charging, the charger will become warm. 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 if it is malfunctioning

AVOID any contact with liquids when charging your battery. If a plug or socket gets wet, dry it completely before using

DO NOT put anything on top of the charger while charging (to allow proper ventilation).

BE SURE to keep out of the reach of children

IF you smell a peculiar smell or the temperature is too high, stop charging immediately by disconnecting the charger from the wall.

**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.

Tires

It is recommended that your tire pressure is at least 60 psi. Before every ride, make sure that the tires are 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

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

of your bicycle. Wet weather may hinder the brake performance. Be sure you allow for more distance to safely stop in the wet or icy conditions. Check before each ride that your brakes are free of obstacles, not leaking fluids, and working properly before operating your bicycle.

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.

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.

WARRANTY

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, Components, Electric motor, LCD, and controller

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.

