



# **USER MANUAL** **BIGFISH LINE+**



## SAFETY WARNINGS

## IMPORTANT! KEEP FOR FUTURE REFERENCE

It is very important that you carefully study this manual before riding your Bigfish folding bike. Failure to follow these guidelines could lead to serious injury or worse. Your well-being is our highest priority, so please ensure you understand everything clearly before using your Bigfish folding bike.

### WARNING

Do NOT ride your Bigfish folding bike if it is not in a 100% roadworthy condition. Only the correct use, maintenance and care can guarantee perfect operation and performance.

### IMPORTANT

Before first ride, it is the user's responsibility to read the complete user manual and carefully follow all folding instructions. All folding components must be un-/folded and secured properly according to the instructions before use. If in any situation you are unsure how to correctly un-/fold the Bigfish folding bike, you should seek help from us (info@bigfishbike.com) or your local dealer before riding. Make sure that everyone to whom you loan your Bigfish folding bike understands how it works and how to fold and unfold it properly. The manufacturer cannot be held responsible for damage or injury resulting from an improperly executed folding procedure.

### WARNING

Riding a bike can be hazardous even under the best of circumstances. For your safety, we recommend wearing a helmet that meets the necessary safety requirements.

### WARNING

The Bigfish folding bike is designed and intended for city or smooth surface riding. It is NOT designed for tricks or jumps. It is NOT a mountain bike and is NOT fit for riding on rough terrain and jumping. Do NOT use your Bigfish folding bike for steep downhill rides or on routes where the wheels do not have full contact with the road surface. The manufacturer cannot be held responsible for injury and/or damage caused by improper or extreme usage of the bike. Failure to follow instructions and improper maintenance of the bike can lead to physical injury and/or property damage.

### WARNING

As with all bikes, Bigfish folding bike has components that are subject to wear and high stresses. Different materials and components may react to wear and stress fatigue in different ways. If the component's lifetime has been exceeded, it may suddenly fail possibly causing injuries to the rider. Any form of crack, scratches or change of colouring in highly stressed areas indicate that the components should be replaced.

### WARNING

Your folding bike must comply with the national legal requirements when riding on public roads in all conditions, including bad weather, night, dusk or dawn. Many countries require specific safety devices. It is your responsibility to familiarize yourself with the laws of the country where you ride and to comply with all applicable laws, including properly equipping yourself and your bike as the law requires.

### WARNING

**Bigfish folding bike is NOT intended for children under 12 years old.** Children older than 12 years should always ride the Bigfish folding bike in full supervision of their parents. As a parent or guardian, you are responsible for the activities and safety of your minor child. Make sure that the Bigfish folding bike is properly fitted to the child; that it is in good repair and safe operating condition; that you and your child have learned and understand the safe operation of the Bigfish folding bike; and that you and your child have learned, understand and obeyed the applicable local motor vehicle, bicycle and traffic laws, and the common sense rules of safe and responsible bicycling. As a parent you should read this manual, review its warnings and the Bigfish folding bike's operating and folding procedures with your child, before letting your child ride it. Bigfish folding bike is NOT intended for transporting children and it is not intended to have a child seat attached to it.

## SAFETY WARNINGS

### WARNING

The owner is responsible for regular maintenance service in order to keep the Bigfish folding bike in good working order. Any part of poorly maintained bike can break or malfunction leading to an accident. A folding bike that is damaged could decrease your control and cause you to fall. Fully examine your Bigfish folding bike completely before each ride. Do NOT ride your Bigfish folding bike if it does not work properly. Failure to confirm compatibility, proper installment, operation and maintenance of any component and/or accessory can result in serious injury or death. Do NOT modify your Bigfish folding bike frame or components in any way. Modifications can cause damage leading to failure and accident. It is recommended to use genuine replacement parts as only these can guarantee optimum function and safety while riding. Changing the components on your bike with anything other than genuine replacement parts may compromise the safety of your bike and may void the warranty.

Incompatible accessories and/or poorly mounted accessories can adversely affect the performance of your Bigfish folding bike and may be unsafe. The manufacturer cannot be held responsible for damage or injury caused by the use of a damaged or modified Bigfish folding bike.

### WARNING

Keep the battery away from excessive heat and/or open flames. Never pour on or submerge the battery in water. To avoid damage to the battery, never subject the battery to intense physical impact, shock or severe vibration. Protect the battery from water or moisture at all times. Keep the battery away from children. Never disassemble the battery. The battery does not contain serviceable parts. Do NOT sit on or place any object on or over the battery. Use only the supplied charger to charge the battery. The manufacturer will not be responsible for any damage or injury due to improper or unsafe use of the battery charger.

## IMPORTANT! KEEP FOR FUTURE REFERENCE

### WARNING

Use only the supplied charger to recharge the battery. Never place any object on the charger. Never pour any liquid on or insert any metal into the charger. Do NOT expose the charger to the rain, water or a humid place. Never disassemble or modify the charger in anyway. Never plug or unplug the charger with a wet hand. Do NOT use the charger during a lightning storm or in an unstable, dusty or an excessively damp environment. Avoid using the charger under direct sunlight. Operate the charger in a well ventilated environment. Unplug the charger from the wall outlet when not in use.

### LIMITATION OF LIABILITY

Under no circumstances, including, but not limited to, negligence, shall Studio Moderna SA (Bigfish), its affiliates or subsidiaries or Bigfish distributors (sellers) be liable for any special or consequential damages that result from the use of, or the inability to use, the materials in this manual, even if Bigfish has been advised of the possibility of such damages. Applicable law may not allow the limitation or exclusion or liability or incidental or consequential damages, so the above limitation or exclusion may not apply to you.

**Note:** This manual is not intended as a comprehensive service and repair manual.

Please see your local dealer or contact us ([info@bigfishbike.com](mailto:info@bigfishbike.com)) for service and repairs.

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## Warning

This symbol contains important safety information. Pay particular attention to these messages. If you fail to follow them there is a high chance you will be involved in a serious accident, be injured or damage your bike.



## Safe to ride/handle

This symbol gives you important advice to ensure that the bike is safe to ride and/or handle.



## Tip

This symbol provides you with some handy information and recommendations that will make things easier for you.

## WELCOME

We designed Bigfish folding bikes to be simple to fold, easy to transport and great to ride. We are confident you will agree Bigfish folding bike is all those things. But before you start your journey we need you to do one very important thing... read this manual.

This manual is designed to give you all the information you need for the safe operation and maintenance of your new Bigfish folding bike.

Everything you need to know should be here, but if you have any additional questions please contact us at [info@bigfishbike.com](mailto:info@bigfishbike.com), go to FAQ on our website [www.bigfishbike.com](http://www.bigfishbike.com) or seek advice at your local dealer.

This manual also covers basic instructions for making small adjustments to your bike and performing regular maintenance. Understanding and following the safety and bike care information will help you and your Bigfish folding bike avoid injury or damage.

We wish you happy riding and ask you to keep in touch! Share your stories and pictures at [Facebook.com/bigfishbike](https://www.facebook.com/bigfishbike).

Greetings  
Bigfish team

We continually upgrade and refine our bikes; therefore we reserve the right to make changes to the shape, fittings and technology.

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## GETTING TO KNOW YOUR BIGFISH

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Bigfish Line+ is a bike with electric pedal assistance (pedelec). This means that the bike can assist you in your pedaling.

- A. multi-functional handlebar bracket
- B. handlebar folding buttons
- C. front wheel folding buttons
- D. seat clamp
- E. round "Pull Release" stopper
- F. coaster wheels/chain guide
- G. chain tensioner
- H. battery
- I. torque motor unit
- J. controller

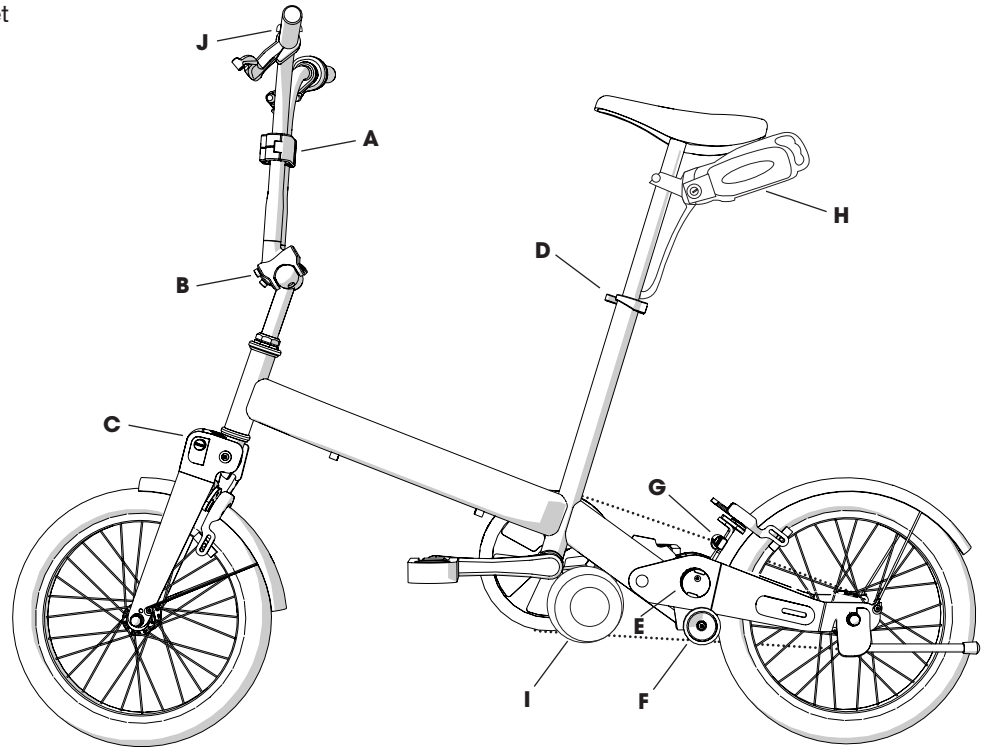
### E-KIT SPECIFICATIONS

#### Motor unit Sunstar SO3:

- Drive method: front sprocket direct drive, torque sensor
- Motor type: Axial gap brushless
- Output: 250 W / 24 V (Max. 330 W)
- Weight: 3200 g

#### Battery:

- Type: Rechargeable Lithium-Ion
- Capacity: 2,5 Ahr
- Charging time (empty to full): 2 hrs
- Charger power supply: AC 100 to 240 V; 50/60 Hz
- Charger output: DC 29 V 1.75 A
- Ambiance temp. for use: 0 to 45 °C
- Ambiance temp. for storage: -20 to 20 °C



## GETTING STARTED

Your new Bigfish folding bike was fully assembled and tuned in the factory before being sent to you or your dealer.

Remove the bike carefully from the box to avoid scratching the frame. Remove the protective wrapping. Inspect the bike, all accessories and parts for possible missing components. Check the box for loose parts before discarding. Take time to properly read the User Manual and Folding Instructions before you start using your new Bigfish folding bike.

### PACKING LIST

Inside your box you will find:

- **Bigfish folding bike, folded**  
fully assembled and tuned  
equipped with e-kit (battery,  
motor unit and controller)
- **user manual**
- **reflectors**

### MAKE SURE YOUR BIKE FITS

Make sure you are comfortable with your Bigfish folding bike. For safe and comfortable riding there should be a clearance of at least 25 to 50 mm (1 to 2 in.) between the crotch of intended rider and top tube of the bike frame, while the rider straddles the bike with both feet flat on the ground. Minimum leg length must be 675 mm (27 in.). You can adjust the seat (page 20) to offer the best comfort and performance.

Bigfish folding bike is designed for a maximum total weight of rider plus luggage of 100 kg (220 lbs).

## BEFORE YOUR FIRST RIDE

### CHECKS AND ADJUSTMENTS

It is important to ensure your Bigfish folding bike is in perfect condition before every ride. Before each ride, inspect the folding mechanism, brakes, gears, tyres, wheels, steering, chain, fork, frame and other components to ensure your Bigfish folding bike is safe to ride. If your Bigfish folding bike does not operate as necessary, speak to your dealer or contact us at [info@bigfishbike.com](mailto:info@bigfishbike.com).

**IMPORTANT! Fully charge the battery before first ride.**

At the time of delivery from the manufacturer, the battery is in sleep condition and only charged to 15% of maximum capacity to avoid a negative performance effect. Fully charging prior the first ride exits the battery from its sleep condition. Before first ride ensure that the battery powers the motor unit successfully. By having a short test ride of the bike check that the motor assist movement happens without error or malfunction.

**Record the battery key number before first ride (p. 31).**

The battery cannot be removed from the hanger without the battery key, therefore recording the number written on the battery key is a very important action. In case of losing the battery key, please contact your dealer or us at [info@bigfishbike.com](mailto:info@bigfishbike.com).

If you do not record the key number and lose the key, the key cannot be replaced. Remove the battery key when riding to avoid losing it.

**Read the instructions!**

Read the Important notes section on the battery, motor and controller before you start using your electric Bigfish folding bike (p. 24-26)

It is important for you to learn the complete folding and unfolding procedure before you start using your Bigfish folding bike. Carefully follow the instructions on the following pages in order to completely adopt the folding and unfolding procedure.

**Have your bike tuned up regularly.**

We recommend you to have your Bigfish folding bike tuned up after a short run-in period after purchase (4 to 8 weeks, or after 100 km/ 60 miles). Regular check-ups on your bike guarantee reliable functioning and riding pleasure.

This manual is NOT intended to be a repair and maintenance manual. For smaller issues follow the adjustment tips in the Important Notes section to fix the problem. If you are unsure about adjusting your bike or have any questions about adjustments or repairs, take it to your local dealer or contact us directly at [info@bigfishbike.com](mailto:info@bigfishbike.com).



## FOLDING INSTRUCTIONS

Your Bigfish folding bike is equipped with Smart Folding Technology, a unique patented folding technology for folding handlebars, front wheel and rear wheel. Follow the instructions on the following pages to fully understand the folding/unfolding procedures.

**Before your first ride it is essential to check the functioning of the Smart Folding Technology. It is important to repeat this check before each and every ride.**

Smart Folding Technology (SFT) works with a simple press or pull of the buttons. The process can be completed in any order.



Improper unfolding or improper use of the Bigfish folding bike can allow the bike to unexpectedly fold-up during the ride causing you to fall which may result in serious injury or death and/or bike damage. Read and follow these instructions carefully to learn and fully understand how to properly un-/fold your Bigfish folding bike, to reduce your chance of serious injury or death. The manufacturer cannot be held responsible for any injuries and/or damage caused by an improperly folded or unfolded Bigfish folding bike.

Never attempt to ride the Bigfish folding bike without properly unfolded Smart Folding components.

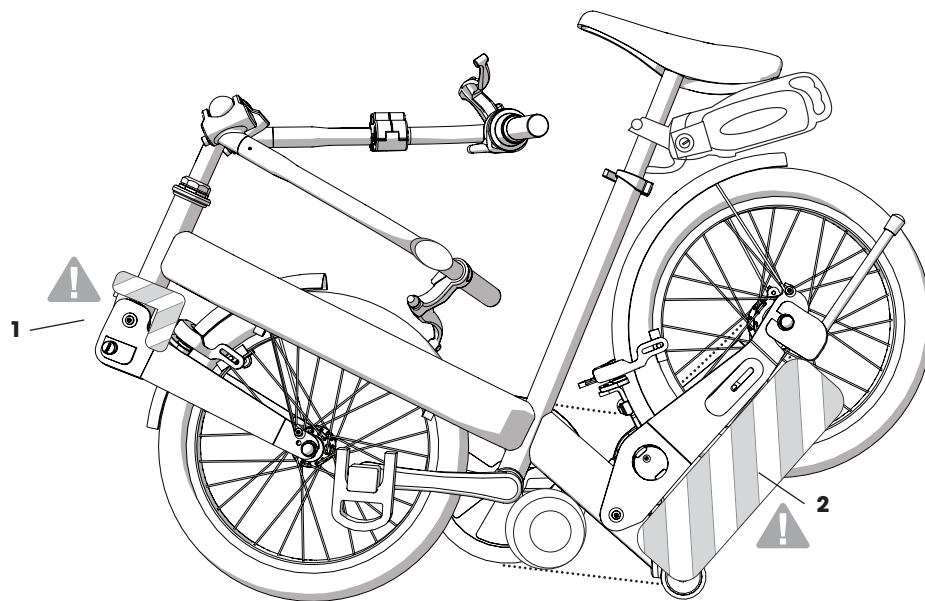
Never attempt to carry or wheel the Bigfish folding bike without properly folded Smart Folding components.

## DANGEROUS AREAS

With Bigfish folding bike there is a risk of injury to your fingers. Therefore please pay particular attention to the Folding Instructions and be aware of the areas on the bike marked with CAUTION marks below.

Keep fingers away from the dangerous parts of the bike when folding or unfolding it.

1. FRONT FORK JOINT
2. REAR FORK



## HOW TO UNFOLD

The following steps need to be taken in order to unfold the Bigfish folding bike properly. It can be done in any sequence. Stand on the left hand side of the bike on a level and flat surface.



**TIP:** Before starting to unfold the Bigfish folding bike, position the pedals horizontal to the ground, with the left pedal to the front.

### HANDLEBARS

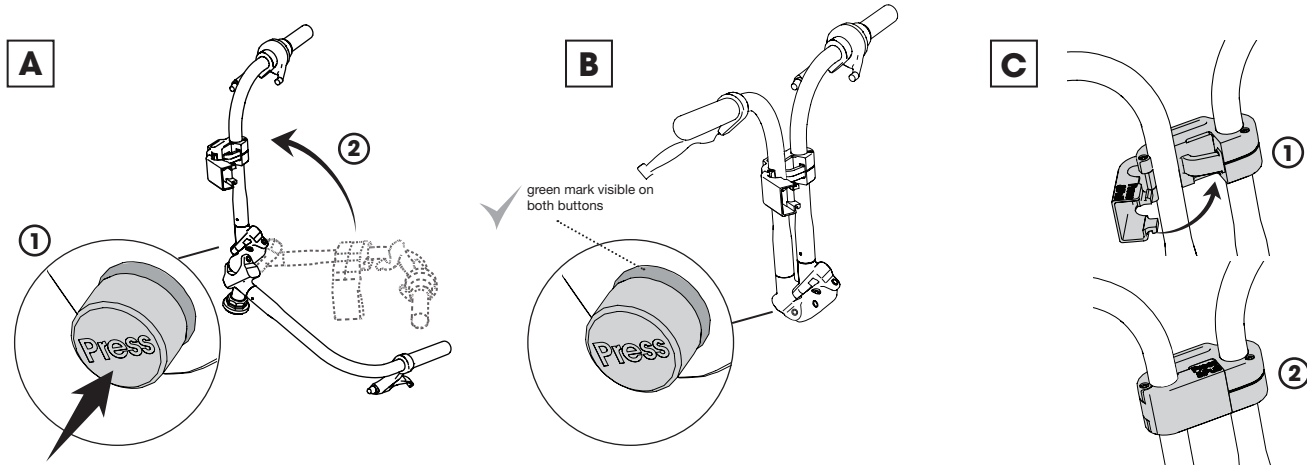
**A:** Press the button on the handlebar and move it to unfolded position. Repeat the procedure for the other handlebar. **B:** The button MUST jump out to its original position (green mark visible). **C:** Avoiding the cables, fasten the handlebars together with the handlebar bracket.



**Safe to ride:** Ensure the green mark on both buttons is visible. Ensure the handlebar bracket is fastened securely.



If no green safety mark on the buttons is visible, try again so that the buttons jump out to their original position and the green safety mark on the buttons is visible. If the problem persists do NOT ride the bike. If the handlebar bracket is broken or damaged in any way do NOT ride the bike. Take your bike to your local dealer to have it serviced or contact us at [info@bigfishbike.com](mailto:info@bigfishbike.com).



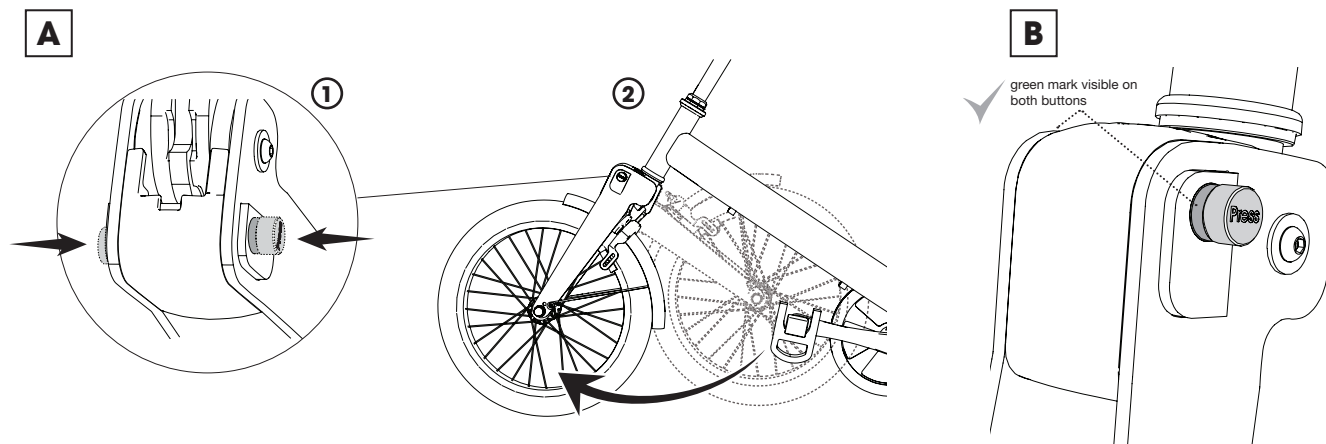
## HOW TO UNFOLD

### FRONT WHEEL

**A:** Press both buttons on the front fork simultaneously and swing the wheel out into the riding position. **B:** The buttons MUST jump out to their original position with the green safety mark visible.

✓ **Safe to ride:** Ensure the green mark on both buttons is visible.

⚠ If no green safety mark on the buttons is visible, try again so that the buttons jump out to their original position and the green safety mark on both buttons is visible. If the problem persists do NOT ride the bike. Take your bike to your local dealer to have it serviced or contact us at [info@bigfishbike.com](mailto:info@bigfishbike.com).



## HOW TO UNFOLD

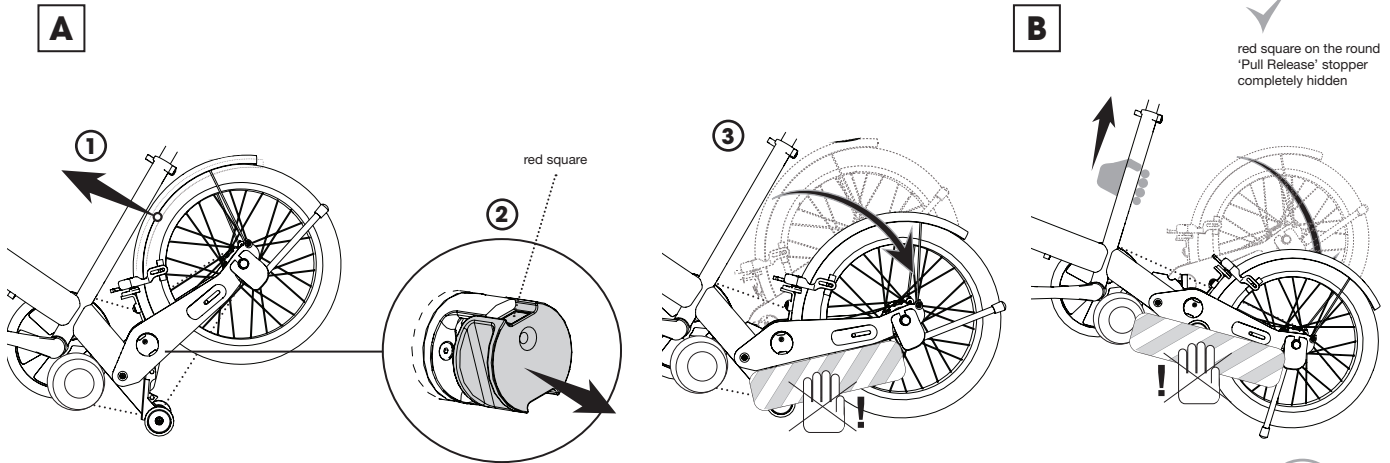
### REAR WHEEL

**A:** With your left hand pull the rear wheel slightly towards the seat tube using the back of the mudguard and then pull out the round 'Pull Release' stopper with your right hand to loosen the rear wheel. Release the round 'Pull Release' stopper. **B:** Then pull the bike's frame by the seat tube up into the unfolded position, so that it clicks in place. The round 'Pull Release' stopper MUST jump out to its original position.

✓ **Safe to ride:** Red square on the round 'Pull Release' stopper is completely hidden.

⚠ If you can see even the smallest part of the red square on the round 'Pull Release' stopper when the bike is folded/unfolded, the rear part of the bike is NOT folded/unfolded correctly. Try again, so that the round 'Pull Release' stopper returns back into its original position and no red mark is visible. If the problem persists do NOT ride the bike. Take your bike to your local dealer to have it serviced or contact us at [info@bigfishbike.com](mailto:info@bigfishbike.com).

⚠ When unfolding the rear wheel do NOT put your fingers in the dangerous area below the round "Pull Release" stopper! Placing your fingers or other body parts in the dangerous area below the round "Pull Release" stopper can result in serious injury.



## HOW TO UNFOLD

### SEAT & PEDALS

**A:** Open the seat clamp lever, set the seat to your desired height (do NOT go beyond the minimum insertion mark!) and fasten it tightly.

**B:** Unfold the pedals by pulling them into the unfolded/riding position.



**Safe to ride:** Ensure the seat clamp is properly closed.

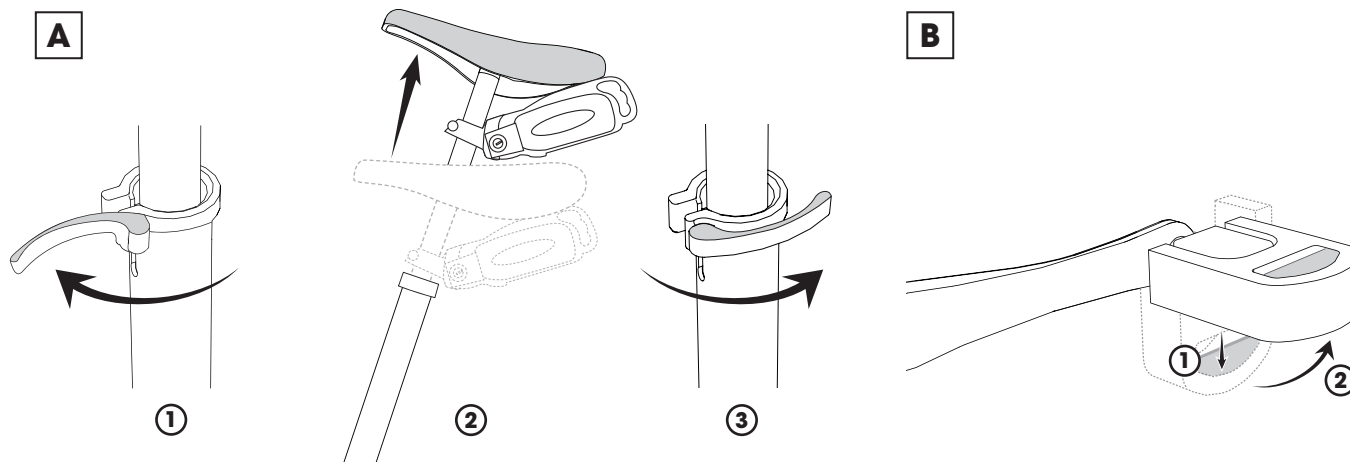


If the seat clamp lever is damaged or is not closed correctly, do NOT ride the bike. Take your bike to your local dealer to have it serviced or contact us at [info@bigfishbike.com](mailto:info@bigfishbike.com).

Your Bigfish folding bike is now completely unfolded and ready to ride.



**TIP:** Choose your own order to do the unfolding steps. There is no prescribed order you need to follow when unfolding or folding.



## HOW TO FOLD

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The following steps need to be taken in order to fold the Bigfish folding bike properly. It can be done in any sequence. Stand on the left hand side of the bike on a level and flat surface.



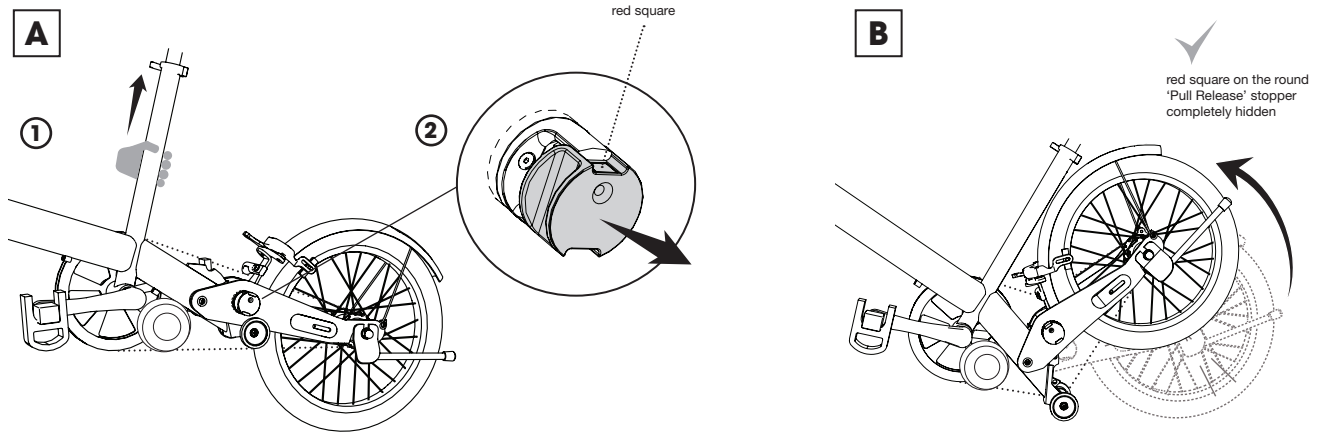
**TIP:** Before starting to fold the Bigfish folding bike, position the pedals horizontal to the ground, with the left pedal to the front.

### REAR WHEEL

Raise the bike stand to its riding position. **A:** Lift the seat tube slightly, then pull the round 'Pull Release' stopper out with your right hand. This allows the bike to sit on the ground on its coaster wheels. Release the round 'Pull Release' stopper. **B:** Then, using the bike stand, lift the rear wheel towards the seat tube to fasten the rear wheel in place. The round stopper **MUST** jump back to its original position.



**Safe to handle:** Red square on the round 'Pull Release' stopper is completely hidden.



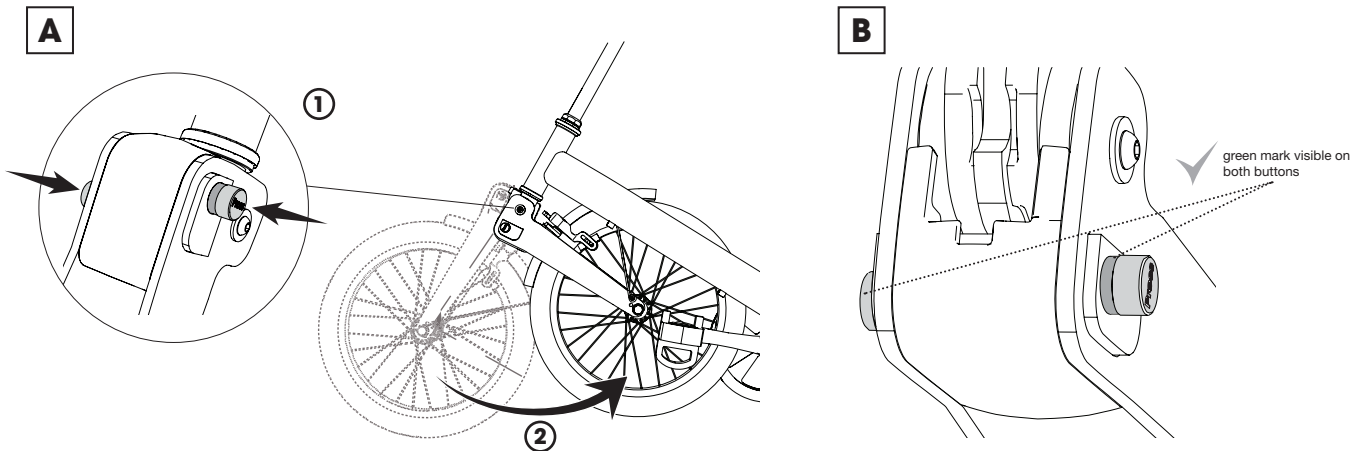
## HOW TO FOLD

### FRONT WHEEL

**A:** Press both buttons on the front fork simultaneously and swing the wheel into the frame. **B:** The buttons MUST jump out to the original position with the green safety mark visible.

✓ **Safe to handle:** Ensure the green mark on both buttons is visible.

⚠ If no green safety mark on the buttons is visible, try again so that the buttons jump out to their original position. If the problem persists, do NOT ride the bike. Take your bike to your local dealer to have it serviced or contact us at [info@bigfishbike.com](mailto:info@bigfishbike.com).





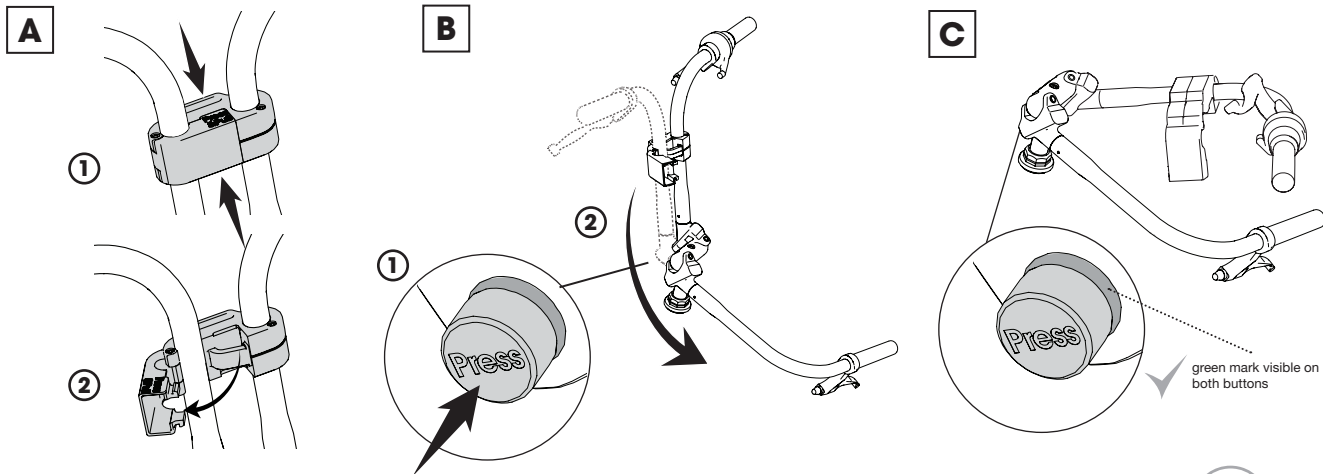
## HOW TO FOLD

### HANDLEBARS

**A:** Squeeze the 'Press and Pull' handlebar bracket on the upper and down side simultaneously and pull it out to open it. **B:** Then press the button on the handlebar to fold it into the frame. Repeat the procedure with the other handlebar. **C:** The handlebars are correctly folded if the buttons jump out to their original position with the green safety mark visible.

✓ **Safe to handle:** Ensure the green mark on both buttons is visible.

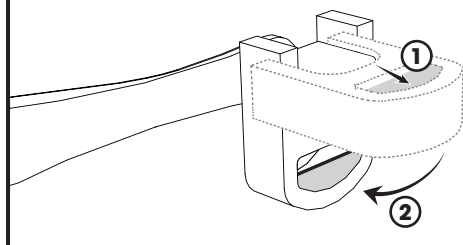
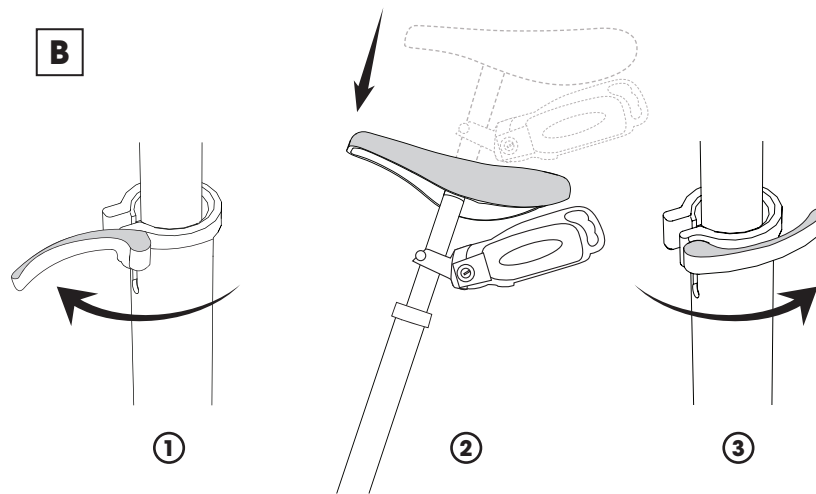
⚠ If no green safety mark on the buttons is visible, try again so that the buttons jump out to their original position. If the problem persists, do NOT ride the bike. Take your bike to your local dealer to have it serviced or contact us at [info@bigfishbike.com](mailto:info@bigfishbike.com).



## HOW TO FOLD

### PEDALS & SEAT

**A:** Fold the pedals. **B:** Release the seat clamp and push the seat down just to the point when the battery is not yet touching the rear wheel or the fender. Fix the seat with the seat clamp lever.

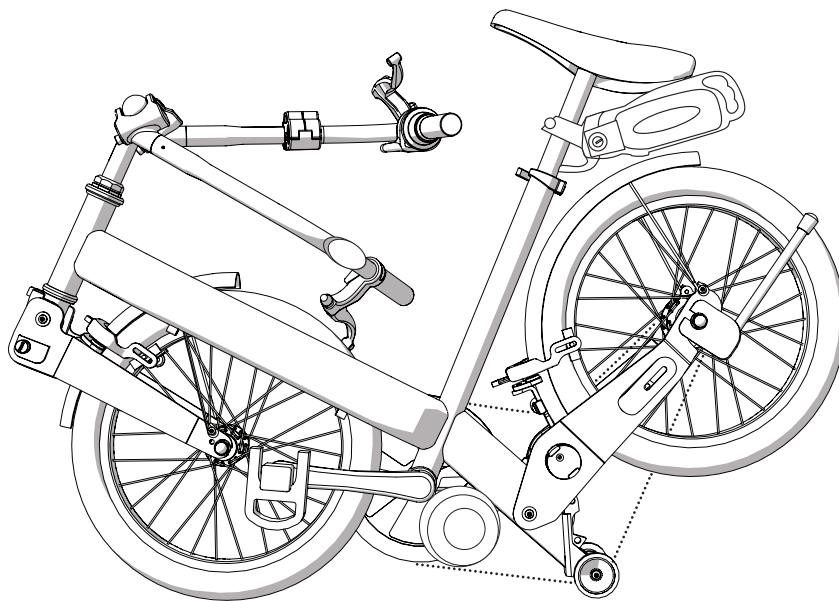
**A****B**

## HOW TO FOLD

Your bike is now completely folded and ready for storage or transport. See pages 28-29 for storage and transporting tips.



**TIP:** Choose your own order for the folding steps. There is no prescribed order you need to follow when unfolding or folding.



## IMPORTANT NOTES

### SEAT

#### HEIGHT

For the best ride adjust your seat to your ideal height position. In order to obtain the most comfortable riding position and offer the best possible pedaling efficiency, the seat height should be set correctly in relation to the rider's leg length. The correct seat height should not cause leg strain from over-extension, and the hips should not rock from side to side when pedaling. While sitting on the bike with one pedal at its lowest point, place the heel of your foot on that pedal. The correct seat height will allow the knee to be slightly bent in this position.

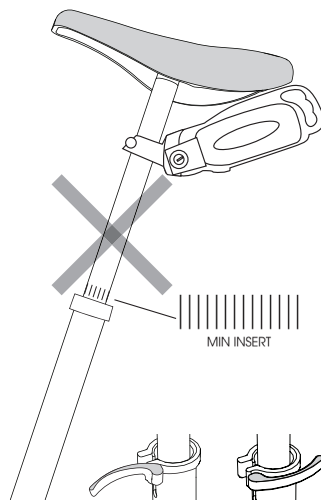
Please make sure that you do not set the seatpost higher than the maximum height allowed, as marked on the seatpost.

While folding the bike make sure you do not push the seat down too much so that the battery does not touch the rear wheel or the fender.

If you cannot get it high enough for you without going past the minimum insertion mark, you should buy a longer seatpost (seatpost's diameter should be  $\varnothing$  27,2 mm).



If your seatpost projects from the frame beyond the »minimum insertion« mark, the seatpost may break. Riding a bike with the seatpost above the »minimum insertion« mark is dangerous and can cause you injury and/or damage to the bike and/or create an unstable riding position causing an accident. Riding with an improperly tightened seatpost can allow the seat to turn or move and cause you to lose control and fall. Therefore, make sure you know how to correctly clamp your seatpost.



- seat height adjustment -

Understand and apply the correct technique for clamping your seatpost quick release. Before you ride the Bigfish folding bike, first check that the seatpost is securely clamped. If the seat clamp is broken or damaged in any way, the bike is not safe to ride. Take your bike to your local dealer to have it serviced or contact us at [info@bigfishbike.com](mailto:info@bigfishbike.com). Before ride, make sure that the seat clamp is properly closed.

#### ANGLE

Your seat angle should be horizontal, but you may want to play with the adjustment. To adjust the angle of the seat use Allen wrench (size 6) or take the bike to your dealer to adjust it properly. After any seat adjustment, be sure that the seat adjusting mechanism is properly tightened before riding to prevent a sudden shift of the seat. A loose seat clamp can cause damage to the seatpost, or can cause you to lose control and fall. The correct adjustment of the seat angle is largely a matter of your personal preference. Make sure that adjusting the angle of the seat does not interfere with the set position of the battery.



Do NOT add grease to the outside of the seatpost because the seatpost shim is plastic.

### BRAKES

The left brake lever operates the front brake, and the right brake lever operates the rear brake.

NOTE: If you have purchased your bike in United Kingdom, Japan or Australia, your brakes are positioned oppositely. The right lever controls the front brake while the left lever controls the rear brake. All brakes should be adjusted according to local regulations.



Be careful to use front and rear brake simultaneously, and avoid locking up the front wheel, as this can cause a loss of steering control, and possible crash. Wet weather will increase your braking distance.

**Check your brakes:** Press each brake lever to make sure that there is no binding and that the brake pads press hard enough on the rims to stop the bike. The brake pads should be adjusted so they are 1 to 2 mm away from the rim when the brakes are not applied. Brake pads should be centered on the rim.



Do NOT ride the Bigfish folding bike until the brakes are functioning properly. To test, apply the brakes while trying to push the bike forward to make sure the brakes will stop the bike.

### WHEELS & TYRES

Fully pumped tyres improve the riding comfort, wear slower and have less chance of a puncture. The tyres lose air when standing for longer periods of time. Standing on flat tyres for a long period can damage the tyres.

Check the pressure of your tyres regularly and fill them up with air when necessary. To pump the tyres, use a pump that is suitable for Schrader valve (car tyre valve). At least once a month ensure the air pressure in the tyres is correct (2,4 – 3,1 bar /35-45 PSI).



Ride only with the correct tyre air pressure and sufficient tyre tread depth. Riding with tyre air pressure too low and/or riding over pavements, sharp-edged obstacles etc. can damage rims and tyres.

Examine tyres for worn areas, bulges and damage. Make sure rims are clean. Use a damp cloth to clean the rims. Take your bike to your local dealer for regular examination of the rim-wear.



In no case should rims and brake pads come into contact with a lubricant or greasy substance. Make sure there are no loose or damaged spokes. If loose or damaged spokes are found, do NOT ride the Bigfish folding bike, take it to your local dealer for repair or contact us at [info@bigfishbike.com](mailto:info@bigfishbike.com).

It is recommended to regularly replace components that are exposed to high friction (brake pads, tyres).

## IMPORTANT NOTES

### REFLECTORS & LIGHTS

Your Bigfish folding bike is supplied with front, rear and wheel reflectors.

Use front and rear bicycle lights and reflectors, particularly when riding in dark or overcast conditions.

Bicycle reflectors are designed to pick up and reflect car lights and street lights in a way that may help you to be seen and recognized as a moving bicyclist. The reflectors are an important safety and legal requirement, and should remain securely fitted and in good, clean condition at all times.

Periodically, inspect all reflectors, brackets and mounting hardware for signs of wear or damage. Replace immediately if damage is found. Check regularly if they are clean and securely mounted in their correct position.

We recommend that you always have a set of lights on your Bigfish folding bike. Riding at night without lights is dangerous and against the law.

### REFLECTORS ATTACHMENT

Mount a clear front reflector on your handlebar stem or handlebar (A), parallel with the ground and facing directly in front of you. This allows oncoming cars to see you as they approach.

Mount a clear rear reflector on your seatpost (B), parallel with the ground and facing straight back. This allows cars to see you as they approach you from behind.

Place wheel reflectors on the front and rear wheel (C). Mount each of the wheel reflectors between two wheel spokes.

The reflectors on the pedals are already attached (D).

If you are unsure of the best mounting for your bike, consult with a professional bicycle technician for suggestions. Be sure that the reflectors are mounted securely on your bike.

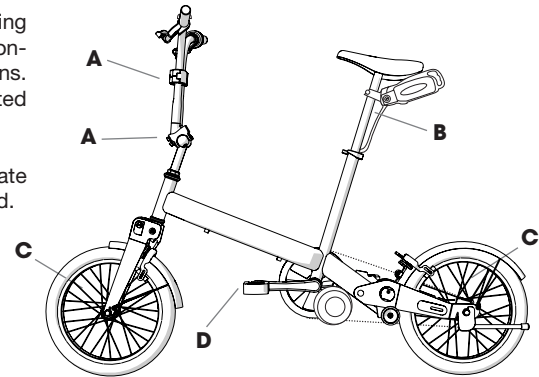
Make sure you use lights that operate correctly and that batteries are charged.



Do NOT remove the front or rear reflectors or reflector brackets from your bicycle. They are an integral part of the bicycle's safety system. Removing the reflectors reduces your visibility to others using the roadway. Being struck by other vehicles may result in serious injury or death.



Reflectors are NOT a substitute for required lights. Riding at dawn, at dusk, at night or at other times of poor visibility without an adequate bicycle lighting system and without reflectors is dangerous, often illegal, and may result in serious injury and/or death. If you choose to ride under conditions of poor visibility, check and be sure you comply with all local laws about night riding.



## IMPORTANT NOTES

### GEARS (FOR MULTI SPEED MODELS)

#### INTERNAL GEAR HUBS

Bigfish folding bikes use internal gears. With internally geared bicycles, it is recommended to refrain from pedalling while you shift gears. However you can change gears while stationary or rolling. The shifter indicates a series of numbers from 1 up. "1" is the lowest gear (used for slower riding, hill climbing, or to allow for easier pedaling). Shift up and down the gears using the upper side of the grip.

#### ADJUST GEARS

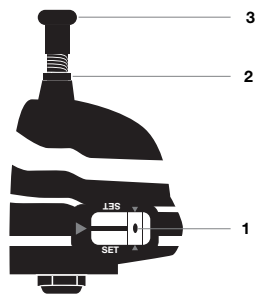
During normal use it can happen that the precision of the shifting deteriorates. You

can adjust the gears by centering the yellow mark (1) between two adjacent vertical lines.

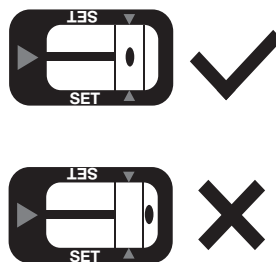
First, put the revoshifter into 2nd gear. If the yellow mark is not between the vertical lines, do the following: Loosen the screw (2) using wrench 10 and manually adjust using the hand screw at (3). Finally, turn the screw clockwise to the point that the yellow mark is again optimally positioned between both vertical lines.

#### AUTOMATIC INTERNAL GEAR HUBS

Your Bigfish folding bike might use automatic internal gear hub. In this case, the gear adjustment is not needed.



- gear adjustment -



### CHAIN

The chain should be set tight enough so that it does not come off during use. The chain tensioner keeps the chain under tension during the folding process.

#### ADJUST CHAIN

##### (FOR SINGLE SPEED & INNER GEAR MODELS)

Turn the bike upside down. As a rule of thumb there should be about 12 mm (1/2") movement of the chain up and down at point halfway between the front and rear sprockets. Push the chain downward and then pull it upward in the middle. Note the travel.

If the travel is not about 12 mm (1/2") adjust the chain: loosen the rear axle nuts and move the wheel forward to loosen, or backward to tighten, in the frame. After setting chain tension, pedal the bike and check for any tight and loose positions as the crank arms turn.

If necessary, readjust so there is only 6 mm (1/4") movement at the tightest point. Finally, tighten the rear axle nuts.

Make sure that the chain is positioned right, so that the chain tensioner and chain guide keep the chain under tension during the folding process.

## IMPORTANT NOTES

### HANDLEBAR

#### HEIGHT

The handlebars position is fixed to the optimal position for the most people. It is not adjustable.

#### ANGLE

Due to the specifics of the folding handlebars, changing and adjusting the angle of the handlebars is not possible.



Never ride the Bigfish folding bike if the stem has been raised so that the minimum insertion mark can be seen.

#### STEERING

Ensure handlebar and stem are correctly adjusted and tightened, and allow proper steering. Ensure that the handlebars are set correctly in relation to the forks and the direction of travel. Check that the headset locking mechanism is properly adjusted and tightened.

### REPLACEMENT PARTS

Many parts of your Bigfish folding bike are safety critical ones, such as the frame, forks, handlebar, handlebar stem, seat post, cranks, pedals, wheel rims, chain, brake levers, brake cables, etc. For these components we recommend only genuine replacement parts are used as only these can guarantee optimum function and safety while riding. If you are not confident about what size or type of component you require as a replacement, seek advice from your dealer or contact us at [info@bigfishbike.com](mailto:info@bigfishbike.com).

Battery does not contain serviceable parts.

### BATTERY

#### CHARGING THE BATTERY

The battery can be charged mounted or unmounted.

- 1 - Turn the system off.
- 2 - Connect the battery to the charger; ensure the output terminal of the charger and the input terminal of the battery are firmly connected.
- 3 - Connect the connector of the power supply to the charging port of the battery and connect the power supply to the power outlet.

Fully charging will typically take 2 hours.



Make sure the power cord, battery cable, and battery terminals are in good condition. Never use damaged power cable. Replace it immediately to prevent an electric shock.

Ensure the input voltage is between 100V~240V. Before plugging in the power cord of the charger, make sure that the local power supply corresponds with the requirement of the charger. Using the wrong voltage setting will permanently damage the charger and/or electrical components on the bike.



## IMPORTANT NOTES



**TIP:** To ensure long battery life, fully charge the battery for at least twelve (12) hours during the first initial three charges and charge the battery at least once for 2-3 hours every 2 months.

Battery works best when it has a full charge, so always be sure to recharge it fully after each ride. If you leave it in a run-down condition, without recharging it, it will shorten its life expectancy.

If charging does not occur, it is possible that one or more of the connection pins has been bent. If connection pins become damaged, you may need to replace the battery with a new one. Please have the battery checked by your dealer. Damaged battery connection pins are the responsibility of the user and the user is liable for the cost of the battery replacement.

In the winter, the riding distance shortens as battery efficiency is reduced by the effects of low temperatures. It is possible that in very low temperatures, the system will not function. This is an internal system protection to avoid long-term damage.



When connecting the charger to the battery, take particular care. Do NOT charge the batteries for longer than 24 hours. Always use the battery charger and power cord supplied by Bigfish. Using any other charger will damage the battery and void your warranty.

Keep the battery away from excessive heat and/or open flames. Never pour on or submerge the battery in water. To avoid damage to the battery, never subject the battery to intense physical impact, shock or severe vibration. Protect the battery from water or moisture at all times. Never disassemble the battery. Do NOT sit on the battery or charger or/and place any object on or over the battery. Use only the supplied charger to charge the battery. The manufacturer will not be responsible for any damage or injury due to improper or unsafe use of the battery.

Ensure that any assembled accessories do not interfere with the normal functioning of the battery and motor.

### SLEEP MODE

If the system is not used for approximately 20 days or more, it will enter in sleep mode. The automatic sleep mode function is to protect battery life and system functionality. To exit the sleep mode please charge the battery. Even if the battery is not fully recharged, charging will allow the system to exit the sleep mode.

## BATTERY CHARGER

Your Bigfish folding bike comes with its own charger that connects with an easy-access charger port for recharging the battery. This charger unit has lights that show the battery charge status.

The charger may get warm to the touch, so make sure you charge it in an open area and do not lay anything on the charger unit while charging.

The charger and charger port should be regularly inspected for damage (cord, plug, enclosure, etc.). If damage is found stop using until the damaged part can be repaired or replaced.



Use only the supplied charger to recharge the battery. Do NOT expose the charger to the rain, water or a humid place. Never disassemble or modify the charger in anyway. Never plug or unplug the charger with a wet hand. Do not use the charger during a lightning storm or in an unstable, dusty or an excessively damp environment. Avoid using the charger under direct sunlight. Operate the charger in a well ventilated environment. Unplug the charger from the wall outlet when not in use.

## IMPORTANT NOTES

### CONTROLLER

#### SWITCHING SYSTEM ON / OFF

Push the button 'ON' to switch the system on. Push button 'OFF' to switch the system off.



Do NOT push the button 'ON' when the bike is being ridden - ie pedals being pushed.

#### POWER ASSISTANCE LEVEL

Push 'MODE' button to choose your preferred assistance level: Eco, Normal or Turbo.

ECO mode (L) saves maximum amount of battery power.

NORMAL mode gives you a moderate "miles per charge" and is considered a balanced mode in terms of energy usage and power assistance.

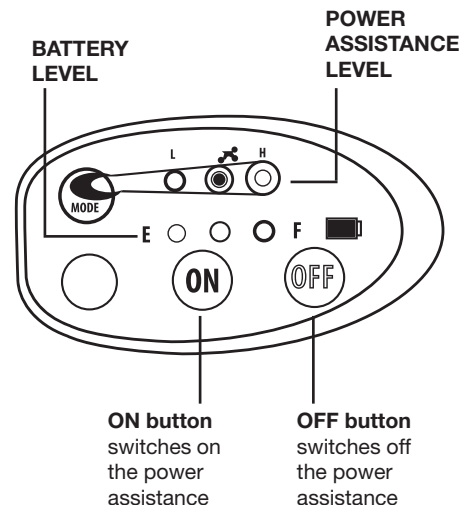
TURBO mode (H) gives you the most of the power assistance.

### BATTERY LEVEL

The battery level shows the current capacity of the battery:

LEDs Illuminated	Battery Remaining Charge
All LEDs on	Battery pack has adequate power
2 LEDs on, 1 LED off	About two-third capacity is remaining
1 LEDs on, 2 LEDs off	About one-third capacity is remaining
Last indicator light blinking	Charging the battery is recommended

Please note that the percent left of battery capacity and battery remaining charge shown above are listed for your reference only.



## MAINTENANCE & HANDLING TIPS

### MAINTENANCE

Follow the procedures below to maintain your Bigfish folding bike in good condition for years. The best protection against deterioration of your Bigfish folding bike is regular cleaning and upkeep.



Do NOT wash the Bigfish folding bike with high pressure water spray. Do NOT clean your bike with a steam cleaner.

Clean it with a damp cloth soaked in a mild detergent mixture. Dry with a cloth. Use soap and water to clean plastic parts and rubber tyres.

Regular cleaning and upkeep is especially important when using the Bigfish folding bike in the winter or in a region where the air has an extremely high salt content. Salt and dirt can find their way into bearings and attack the paintwork and surfaces of screws.

Riding in coastal areas exposes your folding bike to salt which is very corrosive. Wash your Bigfish folding bike frequently and wipe or spray all unpainted parts with anti-rust treatment. Make sure wheel rims are dry so braking performance is not affected. After rain, dry your folding bike and apply anti-rust treatment.

If paint has been scratched or chipped to the metal, use touch-up paint to prevent rust.

Proper maintenance of the battery will maximize its lifespan and available riding time. Clean the battery with a damp cloth. Dry with a cloth.



Never charge the batteries for more than 24 hours. Always disconnect the charger from the wall outlet and bike when charging is complete before storing the bike. Do NOT store batteries below 10°C and never allow batteries to freeze (below 0°C).

Be friendly to the environment! Be sure to recycle your old battery at a local battery recycling center. Do not throw it in the garbage!

Even with proper care, rechargeable batteries does not last forever. Average battery life depends on use and conditions. Frequent “stops and starts” will drain a battery more quickly than sustained, long-term use. The battery capacity reduces by repeated discharges and recharges. After 500 discharge and recharge cycles the battery capacity may reduce by 60%, in comparison with new one.

In the winter, the riding distance shortens as battery efficiency is reduced by the effects of low temperatures. It is possible that in very low temperatures, the system will not function. This is an internal system protection to avoid longterm damage.

### LUBRICATION

Lubrication of components is required for functioning and optimal service life for your folding bike, and for preventing corrosion of the components. Use vaseline-type oil for cables and drive train parts. It is recommendable to use a special type of oil for the chain.

If the Bigfish folding bike has been exposed to water or grit, or at least every 100 km / 60 miles, clean the bike by wiping it clean and lightly oil the chain with a dry lubrication or a synthetic based chain lube. It is important to wipe off excess oil. After every cleaning, lubricate the brakes. Drop a drop of oil onto the cable end on the caliper brake and wipe off excess oil. Immediately after washing: dry and oil the drive train components, the chain and brake pivot points.



Do NOT add grease to the outside of the seatpost because the seatpost shim is plastic. Do NOT lubricate the buttons and round ‘Pull Release’ stopper. Do NOT lubricate the e-kit parts (battery, motor, controller)

## MAINTENANCE & HANDLING TIPS

### STORAGE

Store your Bigfish folding bike under shelter, keep it in a dry location away from the weather and the sun. Avoid leaving it in the rain or exposed to corrosive substances.

Before storing your Bigfish folding bike for a long period of time, clean it well. Deflate the tyres to half pressure and hang it off the ground. Please notice that your warranty does not cover rust, corrosion, paint damage or theft.

Always store the battery in a fully charged condition, in a dry and well ventilated place. When the battery is not in use for an extended period of time, remove the battery from the battery holder for storage.

The battery and charger should be kept in storage in a clean, dry and well ventilated place. Avoid contact with corrosive substances and keep the battery away from excessive heat and/or open flames. The charger should be disconnected from the battery when it is kept in storage.

The bike is not to be stored with the battery in sleep mode. Be sure to turn the power switch "OFF" when the bike is not in use.

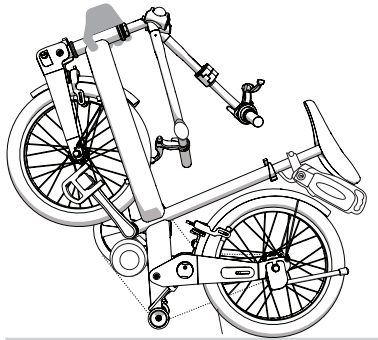
If the battery is stored for a long time (more than 3 months ) in either an empty or not fully charged condition, the long term battery performance may reduce. If you plan to store the battery for very long periods, then fully recharge it every 3 months.

### SPARE PARTS

It is recommended to use only appropriate spare parts (tyres, tubes, brake-friction components ...). If you are not confident about what size or type of component you require as a replacement, seek advice from your Bigfish dealer or contact us at [info@bigfishbike.com](mailto:info@bigfishbike.com).

### WHEELING

To make your Bigfish folding bike properly mobile when folded we designed it so you can wheel it along with you as you walk. Some people wheel it upright, some pull it like a trolley. Have a try and see what suits you best.



- wheeling -

### CARRYING

Carrying a Bigfish folding bike is very easy for extra short to medium distances. You will find over a short period of time a way of carrying that suits you best.

### COVER

Bigfish has a durable cover (available separately) that keeps dirt away and is easy to carry and store. Some transport companies insist on your bike being covered, so this is a really simple way of doing this. It quickly folds to a compact pouch with velcro straps to attach on the bike seat.



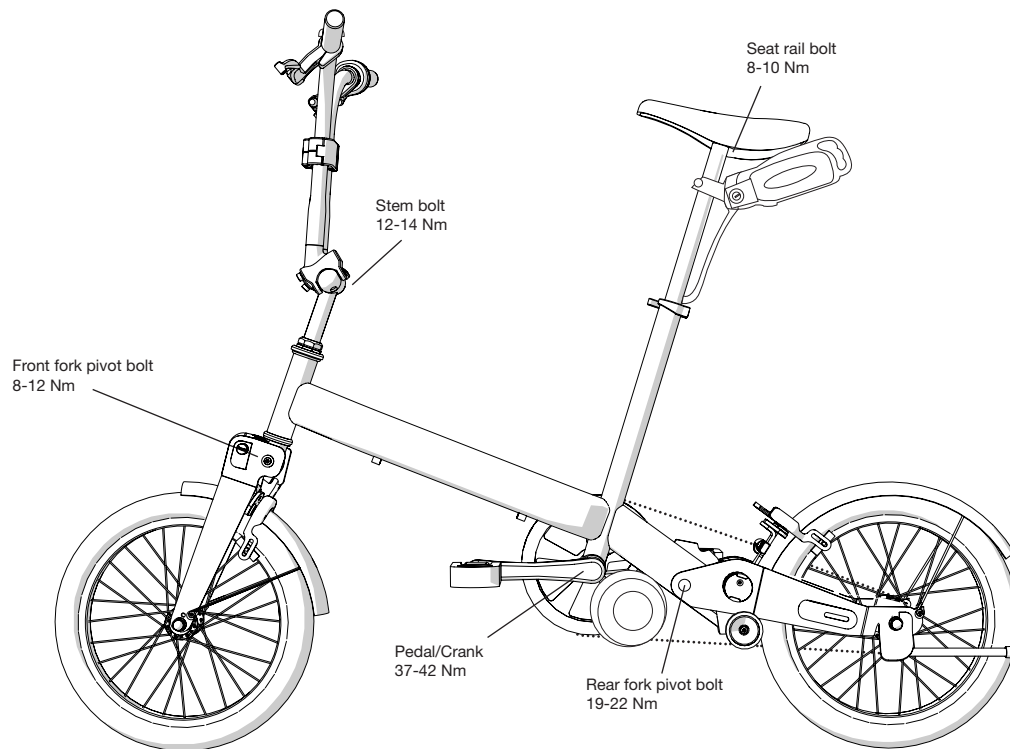
**TIP:** Check our website  
[www.bigfishbike.com](http://www.bigfishbike.com)  
for other accessories.

### TRANSPORTING THE BATTERY

If the battery needs to be transported, pack it in a box and ensure that it is always protected from intense physical impact, shock, severe vibrations, direct sunlight, or water logging. The battery may be transported in a vehicle such as an automobile, train, ship, airplane, etc. Please check your local rules and regulations regarding such transportation.

## TORQUE VALUES

Torque values are standard measures of how much you must tighten a certain bolt. When a torque values are given, a torque wrench should be used to ensure that the correct torque is applied.



## PURCHASE RECORD CARD

Fill in immediately and retain as a record of your purchase.

**PLEASE RETAIN YOUR SALES RECEIPT AS PROOF OF PURCHASE AND ANY POSSIBLE WARRANTY CLAIMS.**

**YOUR NAME:** .....

**ADDRESS:** .....

**DATE OF PURCHASE:** .....

**PLACE OF PURCHASE:** .....

**MODEL INFORMATION:** .....

**COLOUR:** .....

**SERIAL NUMBER:** .....

**BATTERY KEY NUMBER:** .....

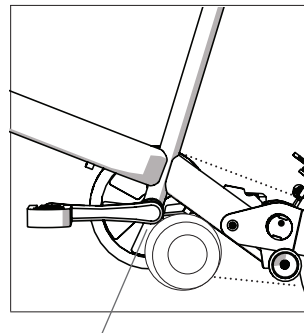
Place to put your receipt

Your Bigfish folding bike has its own unique serial number. It is stamped on the frame below the axis of the pedals. Record the serial number here in the event that your bike is lost or stolen.

Record the battery key number before first ride.

**WARNING:**

Before turning the bike upside down remove the battery. Ensure the battery holder does not support the weight of the bike in anyway while upside down.



- serial number location -



#### CONTACT US

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