

Owner's Manual

Congratulations on your new Blix bike!

Before your first ride, read this manual thoroughly for operating guidelines, maintenance instructions, and other useful information to ensure that you get the most out of your Blix.

Important Information

About this manual

This manual explains how to operate and ride your Blix bike. While we do not claim nor intend to include instructions and tips for every combination of rider and bike, rider and environment, and bike and environment, this manual is intended to explain how to operate a Blix bike. This manual includes instructions for performing basic maintenance tasks that will benefit the performance and lifespan of your bike. Some maintenance is recommended to only be performed by a bike mechanic.

Activate your warranty

To activate the limited warranty of your bike, register online at www.blixbike.com.

You will be asked to identify the frame number of your bike. It is important that you keep the frame number for your records as it is specific to only your bike. The frame number is engraved on the frame by the crank.

Questions?

There are different models of Blix bikes, and this manual may contain information and illustrations that don't apply to your bicycle. If you have any questions after reading this manual, we recommend to contact your dealer. If you have further, questions we encourage you to contact our customer service department:

support@blixbike.com
Call: 855-655-BLIX (2549)
blixbike.com

Blix Bicycle LLC
2877 Mission St.
Santa Cruz, CA 95060

Assembly

See separate assembly instructions and videos at www.BlixBike.com.

Professional assembly is recommended.

Your bike will be ready to ride upon assembly, but should you have any questions about the bike before operating it, please contact your dealer or Blix directly.

Blix models

All Blix bikes are equipped with:

- Rust free screws and nuts
- Portable lithium-ion battery
- Battery charger
- LCD display
- LED light

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Before Riding

Safety Regulations

- Carefully read this manual before your first bike ride.
- Before each ride, check your bike to ensure that there are no visible damaged components.
- Unfastened or damage parts should be secured appropriately or replaced.
- Your Blix bike is intended for recreation and transportation. It is solely designed for cycling on paved roads and bike paths.
- You should not make any alterations or changes to your Blix bike. This may affect the ride ability and safety of the bike.

Battery Safety

For specified safety regulations for charging the battery, see section “The Battery – Charging the Battery”.

Keep the battery out of the reach of children.

- Only use the charger provided with your Blix bike.
- Use the charger only in a dry indoor environment.

Do not connect the charger with wet hands.

- Do not charge the battery under direct sunlight.
- Do not charge the battery during lightning storms.
- Charge the battery where there is plenty of ventilation.
- Discontinue charging if you hear unusual noises or notice leakage from the battery.
- Do not disassemble the battery - this will void your warranty.
- Do not heat or hit the battery, this will damage your battery and possibly cause injury.
- Do not immerse the battery in water or other liquid.
- Disconnect the charger from the electrical outlet when not charging.

Before Riding

Using a Blix bike

A Blix bike is a fast, smart and efficient solution for personal transportation. If you don't want to use the electrical assist system, your Blix bike will function as a normal traditional bicycle. The motor rotates without noticeable friction when you pedal. You're in control of the level of assistance you want during your ride.

Make sure the bike fits you

There should be at least 1" (25 mm) clearance between the top tube and the rider when standing over the bicycle. The seat may be adjusted to offer the best comfort and performance.

Know how the bike performs

A Blix bike is an electric bicycle and functions differently than a non-electric traditional bicycle. It has an electric motor that can give you extra assistance and speed when riding the bike.

It is important that you read this manual carefully and know how to operate the bike and its functions before you ride the bike for the first time.

Check Your Bike

There are several simple guidelines that we recommend in order to keep your Blix bike in a good working condition. Here are a few steps for a long and trouble-free relationship with your new commuter friend.

Keep it clean

We encourage you to keep your Blix bike nice and clean. A clean bike lasts longer and is more enjoyable and safer to ride. Use a damp cloth to wipe off the bike. Do not use high-pressure water systems, this can damage parts of the bike.

Tighten the screws

Regularly check that screws and nuts are securely attached. Unfastened parts may cause the bike to not function properly and can cause accidents.

Brakes

Make sure to maintain and service the brake system. Well functioning brakes are essential to operate the bike in a safe manner.

Lubricate

Keep the chain well lubricated with bicycle chain lube. Make sure to wipe off the chain with a cloth before and after lubrication in order to prevent accumulation of dirt and any excess oil.

Charge

Charge the battery regularly. Do not allow your battery to remain in a discharged state for a long period of time. Doing so will negatively affect the life of the battery.

Pump tires

Keep the bicycle tires sufficiently inflated. A properly inflated tire has lower rolling resistance and lasts longer. The recommended tire pressure is found on the side of the tire. Maintain the tires at this recommended pressure.

Safe Riding

Lights and reflectors

In order to improve the visibility of you and your bike, LED lights are powered by the battery and can be switched on and off from the display. A Blix bike is also equipped with reflectors. Remember to keep the lights and reflectors clean for best visibility.

Use your helmet

Remember to use your helmet. Even if you feel confident on the road, you will share the road with others and accidents can happen.



Be in control

Make sure you can control your riding, and understand how the electric assist system functions. Make sure to read this manual before riding the first time.

The Display

UP
button

DOWN
button

MODE
button



The LCD display will show you riding information. Here, you can control the level of assistance you want when pedaling. The display is water resistant and you can ride your Blix bike in rain with the pedal assist on.



To minimize risk of water damage, wipe off the display after it has been in contact with rain or water.

Navigate the Display

1) Press and hold the MODE button for 2-3 seconds to turn the display on or off. *Assist level 1 will automatically be activated when the display is turned on.* The display will automatically shut off after 10 min.

2) Press the MODE button to navigate between the below functions:

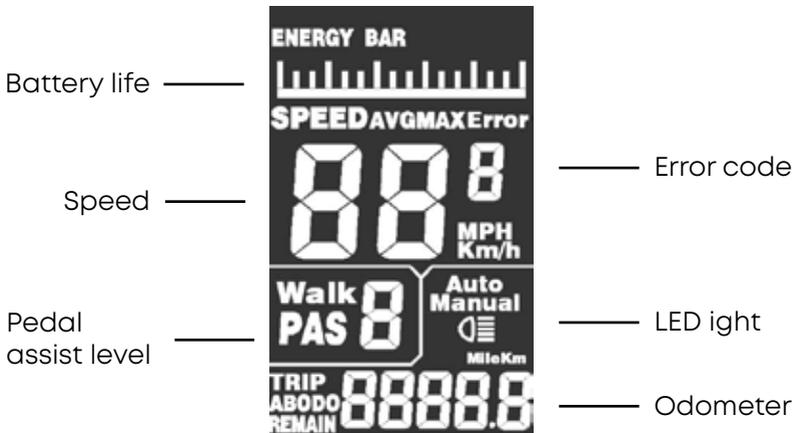
- SPEED (mph)
- Average speed (mph)
- Max speed (mph)

The Display

Display symbols

Below is a list of the different functions that you can access and manage on the display:

- Battery life
- Pedal Assist Level
- LED lights Off/On
- Speed (current, average, and max speed)
- Trip time and distance
- Odometer
- Error code indication



The Display

Battery Indicator

When the battery is fully charged, all bars will show in the battery indicator. The bars will change along with the usage of the battery. You can charge the battery frequently—a fully charged battery improves the performance!



Full



Low

Walk Assist Mode

If walking next to your bike, you can activate walk mode which will make the motor run at walking speed of 3-4mph. While the power of meter is on, press the DOWN button for 2-3 seconds to enable walk mode. “Walk 1” is displayed on screen.

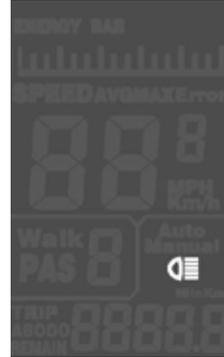


Walk assist mode is only for use when pushing the e-bike; do not use the function when you are riding the bike.

The Display

LED Lights

Press and hold the UP button for 2-3 seconds to turn the front and rear LED lights on and off.



Trip and Odometer

Press the MODE button briefly to switch between TRIP A (single trip miles A), TRIP B (single trip miles B) and ODO (odometer).



To reset trip meter, press and hold the MODE button and DOWN button at the same time for 2-3 sec.

The Electric System

The Pedal Assist System (PAS)

Press the “UP” or “DOWN” button to shift between level 0 to 5 (0 offering no assist, level 5 offering the highest level of assist). The amount of pedal assistance is automatically provided based on your pedaling speed.

A lower gear gives higher pedaling speed and more assist. So when going uphill, switch to a lower gear and enjoy! A higher assist level enables the motor to assist you with more power - level 0 turns the assist off and level 5 can take you up to 20 mph.

Throttle

If you don't want to pedal at all, you can use the throttle to receive electric assistance up to 20 mph as long as the display is turned on.



Using the throttle function will cause the battery to run out faster than when using pedal assist.

The Battery

Battery position

The battery is located under the saddle of your Blix bike, or in the downtube depending on the model. This allows for a low center of gravity and better stability while riding.

Battery Type

The battery consists of Samsung Lithium-ion cells and is suitable for regular use and recharge.

The ON/OFF button

There is a button located on the battery to turn it on and off.

Battery Lock

There is battery lock for securing the battery to the bike that utilizes a set of keys for locking and unlocking.

Charging

You may charge the battery when it is mounted in its position under the saddle of the bike. You may also remove the battery and charge it from a regular wall outlet. Complete charging time of a fully discharged battery is about 3-4 hours. You may also charge the battery even if it is not fully discharged, it will not damage the battery.

Fuses

The battery is equipped with a fuse. If the main fuse blows, the battery will not provide power to the motor. Contact Blix or your dealer to replace the fuse.

Removing Battery

Removing the battery

The battery can be charged in its fixed position under the saddle or removed and charged elsewhere.

Remove the battery by tilting the seat post, unlock the battery-lock, remove the key, and pull the battery upward. Make sure to take out the key before pulling the battery up.

Reattaching battery

Carefully slide the battery down onto the battery mount on the frame. Lock the battery to prevent from theft.

Charging the Battery

Only charge the battery with the charger provided with your Blix bike.

For charging, connect the charger to a wall outlet and to the battery. When charging is completed, disconnect the charger.

The Charger

The charger has two LED lights: POWER and CHARGE. The POWER light turns red when the charger is plugged into an outlet. The CHARGE light turns red while battery is charging. When the charger is not connected to battery or when the battery is fully charged, the CHARGE light turns green.

Check battery status

You can check the battery status directly on the battery when it's turned on. The battery status is also displayed on the top of the display.

Storing the Battery

The battery status and durability is maintained by regularly using and charging the battery. When storing the battery, make sure to perform regular maintenance by charging the battery according to the specifications found in this manual and on the battery.

Store the battery indoors and in normal room-temperature.

When storing the battery it is recommended that you charge the battery for two hours each month.

! - Do not leave the battery uncharged for longer time periods. It will alter the battery life.

!! - The battery charger is exclusively designed for use in a dry indoor environment with good ventilation.

!!! - When charging, only use the charger provided with your Blix bike.

Range and Influencing Factors

Battery Range

There are many factors that affect the range of the battery. In the list below, you will find some examples of factors and conditions that have a negative impact on the range.

Factors having negative influence on range:

- Headwind
- Hilly terrain
- Soft ground
- Low tire pressure
- High assistance level
- Throttle usage
- No or poor maintenance
- Acceleration
- Low manual pedaling force
- High weight, the bike is heavily loaded

To maximize range of the battery

- Accelerate slowly and avoid using the throttle.
- Pedal more to avoid letting the motor do all the work.
- Do not climb hills steeper than 15% in grade.
- When climbing hills, use pedal assist level 1-2.
This will also discourage the motor from shutting down to prevent overheating.

Battery Technical Safety

The battery consists of a series of interconnected Samsung™ Lithium-ion cells. The battery also contains a control unit (BMS) that monitors the cells during use and while charging of the battery.

The control unit (BMS) turns off the battery at a given voltage level to prevent damage to the battery cells. This means the battery is empty and needs recharging.

The control unit also contains a balancing circuit that controls charging so that the individual cells are charged evenly. This improves the performance of the battery.

Should there arise an imbalance between the cells, the battery range may be affected. In order to improve the balance between the cells, it is recommended to fully discharge and charge the battery 2-3 times monthly (complete discharge and charge cycles).

Maintenance

General Maintenance

Having a clean bike is both nice and smart. A clean bike lasts longer and performs better than a dirty bike. Wash your bike gently with a damp cloth. Do not use pressure washer systems!

Periodically check through the nuts and bolts on the bike to make sure they are tightened and secure. It is also recommended to do periodic servicing of your bike by a professional.

Storing

Your Blix bike is best stored indoors when not in use to protect from wearing from weather conditions.

Take proper care of your battery and do not expose it to extreme temperatures. Preferably, store the battery inside when not in use. Do not forget to recharge the battery during periods between use. Refer to the "Storing the battery" section of this manual.

Recycling

The battery's capacity and performance will decrease over time. The life cycle of the battery depends on many factors including usage, storage, maintenance and environment.

Lithium-Ion batteries can be recycled. If you are unsure where to recycle the battery in your area, contact your local recycling center.



Maintenance

Adjusting the Brakes

Different models have different types of brake systems. Ask Blix or your dealer if you are not sure which brake system your model has.

For safety reasons, the brake lever on the handlebar is equipped with a cut-off sensor that automatically turns off the power assistance when braking.

Hydraulic or mechanical disc brakes provide great braking performance. Adjustments and service of these brakes should be made by a professional.

Adjusting the Gears

If you are unable to shift into all gears, it could be that your gears need adjustment. Refer to the separate gear manual with your Blix bike. We recommend you take your bike to a professional mechanic for adjustment.

Troubleshooting

If you experience any issues with your Blix bike that requires troubleshooting, contact your local dealer or Blix support for assistance. You can also find troubleshooting guides at blixbike.com.

Most issues can be resolved by checking parts of the bike and replacing / repairing parts if needed.

Error Codes

The display will show an error code if the electric system has detected an error. If you see an error code, contact your dealer or Blix support for assistance.



Error codes	Definitions
21	Current abnormality
22	Throttle abnormality
23	Missing phase on motor
24	Motor Hall signal abnormality
25	Brake power-off sensor abnormality
30	Controller/instrument communication abnormality

Troubleshooting

Removing Wheel

If you need to remove the wheel to, for example fix a flat tire, the power cable to the hub-motor has a quick connector that can be easily unplugged.

When the connector is unplugged, the wheel can be unmounted in a similar manner as a traditional bike wheel.

The connector plug is has two arrows that align to indicate the correct position.



For More Information

If you would like additional information about your new Blix bike, contact your local dealer or Blix directly. If you want additional information about electric bicycles or cycling in general, there is plenty of information available online, including blixbike.com

If you have any questions or if there is something you think we should know - tell us about it! We continually strive to improve our products and services and we love to hear your opinion!

Thank you for choosing Blix!

- The Blix Team

support@blixbike.com
Call: 855-655-BLIX (855-655-2549)
blixbike.com

Blix Bicycle LLC
2877 Mission St.
Santa Cruz, CA 95060

Warranty

Go to www.blixbike.com to activate this warranty.

1 year comprehensive warranty

- Frame and front forks.
- Motor, battery, display, controller box.
- Paint finish and decals.
- All other electrical components and parts.

(a) Remedies: The sole remedy is limited to repair or replacement of defective parts and components of those with equal or greater value at the sole discretion of Blix. Seller's liability under any limited warranty is discharged, in Seller's sole discretion and at its expense, by: repairing or replacing the affected goods; or crediting or refunding the end user's purchase price of the affected goods, less any applicable discounts, rebates or credits. Seller's limited warranty is extended to the first end user purchaser only and such end user must register their product at <https://www.blixbike.com> to claim warranty coverage. Affected products may not be submitted to Seller for warranty repair or replacement except with written authorization from Seller after confirmation of coverage. Notice for replacement must be given within 60 days of the discovery of the defect.

(b) Exclusions: The above warranty or any implied warranty does not cover normal wear and tear, improper assembly, damage or failure due to accident, misuse, abuse, or neglect, improper follow-up maintenance, installation of third party components, parts, or accessories, or any products that have been modified from manufacturer's specifications.

(c) Delivery Costs: The end user is responsible for all costs and risk of loss associated with the delivery of warranted goods to Seller or its agent for warranty repair or replacement, and Seller is responsible for all costs and risk of loss associated with the return delivery of repaired or replaced products to the end user.

(d) Warranty claims: Warranty claims must be made through the point of purchase of the bike. All Warranty decisions will be made by Blix Bicycle LLC.

(e) THIS SECTION SETS FORTH PURCHASER AND END USER'S SOLE REMEDY AND SELLER'S ENTIRE LIABILITY FOR ANY WARRANTY RELATING TO THE PRODUCTS. EXCEPT FOR THE LIMITED EXPRESS WARRANTIES DESCRIBED IN THIS SECTION (A) NEITHER SELLER NOR MANUFACTURER HAS MADE OR MAKES ANY EXPRESS OR IMPLIED REPRESENTATION OR WARRANTY WHATSOEVER, INCLUDING ANY WARRANTIES OF: (i) MERCHANTABILITY; (ii) FITNESS FOR A PARTICULAR PURPOSE; (iii) TITLE; (iv) NON-INFRINGEMENT; OR (v) PERFORMANCE OF PRODUCTS TO STANDARDS SPECIFIC TO THE COUNTRY OF IMPORT, WHETHER ARISING BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE, ALL OF WHICH ARE EXPRESSLY DISCLAIMED AND (B) PURCHASER ACKNOWLEDGES THAT IT HAS NOT RELIED ON ANY REPRESENTATION OR WARRANTY MADE BY SELLER, EXCEPT AS SPECIFICALLY DESCRIBED IN THIS SECTION.

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