

LOOKROAD®

E-BIKE USER MANUAL

L28MAX

ATTENTION

Please read this manual carefully before using the Lookroad electric bicycle. If you do not understand any part of this manual or are unable to resolve the issues addressed herein, please contact the seller for assistance.



WELCOME TO LOOKROAD

THANK YOU FOR CHOOSING LOOKROAD E-BIKES

Welcome to your new LOOKROAD E-bike — you are entering a new world of ease, luxury, and mobility. Whether you're looking for an environmentally friendly alternative to your regular gas-powered vehicle, a fun way to avoid traffic congestion, or simply want to spend more time outdoors, we hope you enjoy your new E-bike.

In a life full of headwinds and tailwinds, it is our honor to have your back on every ride.

If you have any questions or comments, please don't hesitate to contact us:

Email: support@look-road.com

Thank you for choosing LOOKROAD!

BIKE IDENTIFICATION NUMBER / SERIAL NUMBER

FOR YOUR RECORDS

For future reference, please record the following important information.

Your bike's serial number can be found on the inward-facing surface of the frame seat stay or on the head top tube.

Please retain your sales receipt for any possible warranty claims or loss reporting.

MY LOOKROAD SERIAL NUMBER :



FOR YOUR RECORDS

MY LOOKROAD E-BIKE

Name

Address

Purchase
Date

Purchase
Channel



**LOOKROAD
WEBSITE**

Model

Color

Serial #

LOOKROAD E-BIKES

TABLE OF CONTENTS

ABOUT THIS MANUAL	05
IMPORTANT SAFETY INFORMATION	06
OPERATIONAL INSTRUCTIONS	09
COMPONENT INSTALLATION NOTES	13
BATTERY CHARGING	19
BATTERY & CHARGER MAINTENANCE	21
GEARS	22
LCD DISPLAY	23
KEYS	25
BRAKES	26
TIRES & INNER TUBES	27
MAINTENANCE & APPEARANCE CARE	27
LOOKROAD E-BIKE FAQ	28
INSPECTION & DAILY MAINTENANCE	30
WARRANTY CERTIFICATE	32

01 ABOUT THIS MANUAL

This manual is designed to help you maximize the performance, comfort, enjoyment, and safety of your new Lookroad E-bike. It outlines specific care and maintenance procedures that will protect your warranty and ensure years of trouble-free use. Please pay particular attention to the section on battery charging and maintenance—this information is critical for optimal performance.

To fully enjoy your Lookroad E-bike while prioritizing safety, it is essential to understand its features and operation. By reading this manual thoroughly before your first ride, you will learn how to get the most out of your new vehicle.

Additionally, we recommend that your first ride take place in a controlled environment—away from cars, obstacles, and other cyclists—to help you familiarize yourself with the E-bike's handling and features safely.

02 IMPORTANT SAFETY INFORMATION

Cycling can be a hazardous activity even under the best of circumstances. Proper maintenance of your Lookroad E-bike is your responsibility, as it helps reduce the risk of injury. This manual contains important warnings about the consequences of failing to maintain or inspect your Lookroad E-bike—improper use or neglect could result in serious injury or death.

We strongly recommend having your Lookroad E-bike assembled by a trusted professional bicycle technician. Improper assembly may compromise the E-bike's safety and performance, voiding your warranty.

IMPORTANT SAFETY INFORMATION

A. ALWAYS WEAR A HELMET

Helmets significantly reduce the number and severity of head injuries. Always wear a helmet that complies with local laws when riding your Lookroad E-bike. Check with your local police department for local safety requirements. Make yourself more visible by wearing bright reflective clothing. Keep your reflectors clean and properly positioned. Use front and rear lights in low-light conditions. Wear sturdy shoes and eye protection. Also check local regulations regarding any other protective gear that may be required for riding your Lookroad E-bike.

B. KNOW YOUR LOOKROAD E-BIKE

Your new Lookroad E-bike comes with many features and functions that you may not be familiar with. Read this manual thoroughly to learn how these features improve your riding comfort and safety.

C. RIDE WITHIN YOUR LIMITS

Take it slow until you are familiar with road conditions, as traction may be greatly reduced and brakes less effective. Never ride faster than conditions allow or beyond your own riding ability. Remember that alcohol, drugs, fatigue and inattention can greatly impair your judgment and safe riding capability.

D. KEEP YOUR E-BIKE IN SAFE CONDITION

For your safety and comfort, and to extend the service life of your Lookroad E-bike, inspect and maintain your e-bike on a regular basis. Follow all inspection and maintenance instructions in this manual. Always check all critical safety components before every ride.

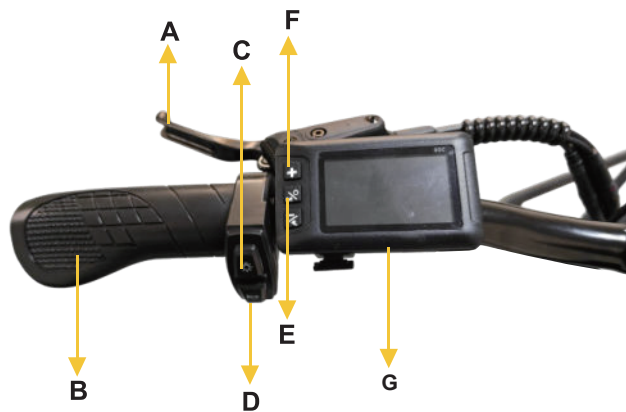
COMPONENT OR CONDITION	INSPECT BEFORE EVERY RIDE	PERIODIC INSPECTION	CLEAN / LUBRICATE	ADJUST / TIGHTEN	REPAIR/REPLACE IF NECESSARY
Tire pressure	✓			✓	
Tire wear & damage	✓			✓	
Brake pad position adjustment	✓			✓	
Wheel quick-release adjustment	✓				✓
Front & rear lights	✓				✓
Control parts & display screen	✓				
Seat post quick-release adjustment	✓			✓	
Brake pad wear condition		✓			✓
Brake cable tension & wear		✓		✓	✓
Spoke tension		✓		✓	
Wheel alignment		✓		✓	
Hub bearing condition		✓	✓	✓	
Chain lubrication maintenance		✓	✓		
Derailleur adjustment		✓	✓	✓	
Reflectors		✓			✓
Battery & charger		✓			✓
Headset adjustment		✓	✓	✓	
Bottom bracket adjustment		✓	✓	✓	
All bolts , nuts mounting hardware		✓		✓	✓

*Every 5 to 10 rides depending on length and conditions of ride.

03 OPERATIONAL INSTRUCTIONS







LEFT HANDLEBAR

A. Left Brake Lever

B. Left Handlebar Grip

C. Headlight Button

D. Horn Button

E. Power Button

F. Speed Control Button

G. LCD Display

RIGHT HANDLEBAR

A.Rear Derailleur Shift Button

Shift up from gear 1 to 7 by pressing this button whilst riding. Gear numbers are clearly marked on the shifter.

B.Rear Derailleur Shift Lever

Shift down from gear 7 to 1 by pushing this lever whilst riding. Corresponding gear positions are indicated on the shifter.

C.Right Brake Lever

D.Right Handlebar Grip

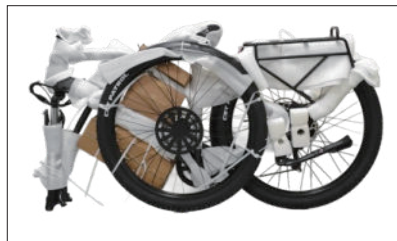
E.Throttle



04 COMPONENT INSTALLATION NOTES



PART 1: HANDLEBAR INSTALLATION STEPS



01
Unpack your electric bike.



02
Prepare the installation tools
(included in the package).



03
Remove front wheel.



04
Rotate the front of the vehicle to the front
position.



05
Remove the fixing screws (on the head tube).



06
Install the handlebar and tighten the fixing screws.



07
Secure the top screws of the head tube.



08
Tighten the left and right screws of the front frame tube.



09
Handlebar installation is complete.

PART 2: THROTTLE INSTALLATION



01
Connect the throttle cable correctly (align the connectors to avoid reverse insertion).



02
Loosen the throttle clamp screw, mount the throttle onto the handlebar, and tighten the screw to secure it.



03
Throttle installation is complete.

PART 3: FRONT WHEEL INSTALLATION



01
Release the front fork guard bar.



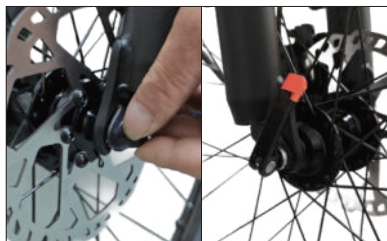
02
Remove the protective bar from the front fork.



03
Locate the front axle (included in the package).



04
Insert the front axle into the front wheel hub.



05
Mount the front wheel onto the front fork, attach the fixing screws, and lock the front wheel axle securely.



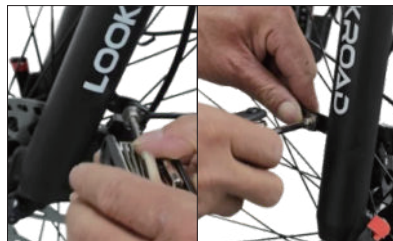
06
Front wheel installation is complete.

PART 4: HEADLIGHTS, FRONT FENDER & PEDAL INSTALLATION



01

Loosen the screws, mount the headlights and the front fender to the corresponding mounting holes, and tighten the screws securely.



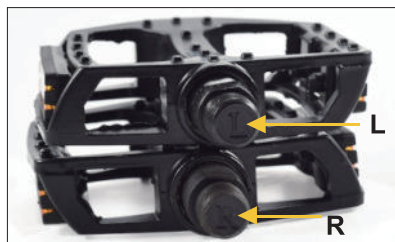
02

Loosen the screws, mount the pedals to the corresponding crank arms, and tighten the screws firmly.



03

Headlights, front fender, and pedals installation is complete.



01

Distinguish left and right pedals. Marked L is the left pedal, to be fitted on the left crank. Marked R is the right pedal, to be fitted on the chainring side.



02

Tighten the left L pedal counterclockwise onto the crank.



03

Tighten the right R pedal clockwise onto the chainring.

PART 5: INSTALLATION OF REAR FENDER, REAR RACK AND TAILLIGHT



01

Loosen the screws, fit the rear fender into the corresponding screw holes, then tighten the screws.



02

Loosen the screws, fit the rear seat into the corresponding screw holes, then tighten the screws.



03

Connect the tail light plug correctly. Rear light installation is finished.



01

Unlock the lock and make sure the lock cylinder is fully retracted before pulling out the key. Take out the battery easily.



01

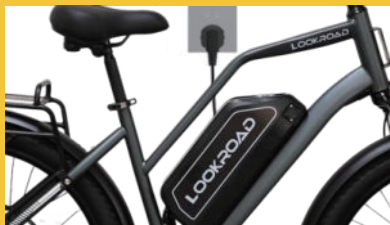
Press the "U" button on the left handlebar until you hear a click sound. (Skipping this step may cause startup failure.)



02

Twist the throttle to start riding.

05 BATTERY CHARGING



A. Charge the battery directly on the electric bike



B. Remove the battery from the bike and charge it separately

RECHARGING THE BATTERY



ATTENTION

Connect the battery first, then plug in the power supply. Ensure the red indicator light on the charger turns on. It takes 8 to 9 hours to fully charge the battery.

Red light means charging in progress.

Green light means the battery is fully charged.

06 BATTERY & CHARGER MAINTENANCE

For your safety and better battery performance, please strictly follow the below instructions:

Charging Safety

Do not charge the battery in bedrooms, living rooms or other closed inhabited spaces. Always charge it in a well-ventilated and dry place, far away from flammable items and direct sunlight.

Charging Time Rules

Do not keep the battery connected to the charger after it is fully charged. Unplug it in time. Continuous charging shall not exceed 12 hours.

Long-term Storage

If the battery is not in use for a long time, fully charge it before storage. Recharge it every two months to keep it in good condition, and store it in a cool and dry environment.

General Safety Notes

- Charge the battery before it runs out of power completely.
- Only use the original Lookroad dedicated charger. Do not use other chargers or power adapters.
- Do not use this battery to supply power to other equipment.
- Do not disassemble or modify the battery and charger. Keep them away from fire, liquid and extreme temperatures.
- Stop using immediately and contact Lookroad customer service if there is abnormal noise, strange smell or visible damage.

Prohibitions

- Keep the battery away from heat sources and corrosive substances.
 - Stop using the battery or charger if it is damaged.
 - This battery is only applicable to Lookroad electric bikes.
- Failure to comply with the above regulations may cause battery damage, shorten service life, or even lead to fire and explosion hazards.

07 GEARS

Your Lookroad e-bike comes with multiple speed gears. The lowest gear is ideal for labor-saving riding and uphill climbs, while the highest gear delivers maximum speed on flat or downhill roads. Always shift gears while pedaling.

The rear wheel is fitted with seven flywheels (model dependent). When the chain is on the largest flywheel, it is in the lowest gear. For the highest gear, the derailleur guides the chain onto the smallest flywheel. Each gear position corresponds to a different speed. Gear tuning must be performed only by professional technicians.

Do not shift abruptly between the lowest and highest gears. Fast multi-gear shifting may cause the chain to derail.

08 LCD DISPLAY



Button Operation Instructions

LCD Display Switch

Press and hold the M button for 5 seconds to turn the display on or off.

Adjust Assist Level / Electric Gear

Short press the "+" and "-" buttons to increase or decrease gears. The default setting is gear 1.

Cruise Mode Control

1. When the bike is stationary, long press the "-" button to activate the 6km/h walk assist mode. Release the button to exit; pulling the brake lever can also turn off this mode.
2. Long press the "+" button for 5 seconds to turn on/off the headlight.
3. When powered on, short press the M button to cycle through display interfaces: average speed, maximum speed, digital voltage, riding time and total mileage.

1) Press and hold M and "+" simultaneously to enter the parameter setting interface.

Adjustable parameters: backlight brightness, mileage unit, voltage threshold, sleep time, power level, wheel size, magnet quantity, speed limit, zero start / non-zero start, drive mode, assist sensitivity, startup power output, assist sensor type, controller current limit, odometer reset and more.

In setting mode, press M to switch menu options. Press "+" or "-" to adjust current parameter values. Press M again to save settings and proceed to the next option.

2) Press and hold "+" and "-" together to exit settings. The display will automatically exit the setting menu after 8 seconds of inactivity.

Fault Code & Vehicle Status Code Definition

Decimal Code	Status Meaning	Remarks
0	Normal working status	
1	Constant speed state	
2	Brake triggered	
3	Assist sensor fault (riding icon prompt)	Function not available on this model
4	6km/h walk assist mode	
5	Real-time cruise control	
6	Battery undervoltage protection	
7	Motor failure	
8	Throttle fault	
9	Controller failure	
10	Communication reception failure	
11	Communication transmission failure	
12	BMS communication failure	
13	Headlight circuit fault	

PARAMETER SETTINGS

P01: Backlight brightness

Level 1 = Dimmest, Level 3 = Brightest

P02: Mileage unit

0 = KM, 1 = Mile

P03: Rated voltage

Options: 24V / 36V / 48V / 60V / 64V

Default: 36V

P04: Sleep time

0 = No sleep mode; Other values = sleep time (1~60 minutes)

P05: Assist gear mode

0 = 3-speed mode, 1 = 5-speed mode

P06: Wheel diameter

Unit: inch, Accuracy: 0.1

This parameter affects speed display, please set correctly.

P07: Speed sensor magnet quantity

Range: 1~100

Affects speed display, please set correctly.

Ordinary hub motor: enter actual magnet quantity directly

High-speed motor: enter value = magnet quantity × reduction ratio

Example: 20 magnets + reduction ratio 4.3 → 86

P08: Speed limit

Range: 0~100 km/h; 100 = no speed limit

Set value equals max running speed, error range ±1 km/h.

Note: Display speed will auto convert between KM and Mile, but preset speed limit value will not convert automatically.

Note: Functions from P09 to P15 only work under communication connection.

P09: Start mode

0 = Zero start, 1 = Non-zero start

P10: Drive mode

0 = Power assist mode (output controlled by assist gear, throttle invalid)

1 = Throttle drive mode (controlled by throttle, assist gear invalid)

2 = Dual mode (power assist + throttle drive)

P11: Assist sensitivity

Adjustable range: 1~24

P12: Assist startup strength

Adjustable range: 0~5

P13: Assist sensor magnet type

Options: 5 / 8 / 12 magnets

P14: Controller current limit

Default: 12A, Range: 1~20A

P15: Controller undervoltage value

P16: Odometer reset

Press and hold the key for 5 seconds to clear total mileage.

P17: Cruise function

0 = Disable cruise, 1 = Enable cruise

Auto cruise only supports Protocol 2

P18: Display speed ratio

Adjustable range: 50% ~ 150%

P19: Zero gear setting

0 = Include zero gear, 1 = Exclude zero gear

P20: Communication protocol

0 = Protocol 1, 1 = 5S Protocol 2, 2 = Standby 1, 3 = Standby 2

09 KEYS

Your Lookroad electric bike is equipped with one or two sets of keys.

- Ignition key
- Battery lock key for the under-frame battery compartment

WARNING

Keep keys away from children.

Please store your keys properly to prevent loss.

10 BRAKES

It is crucial for riding safety to clearly distinguish the functions of two brake levers. On your Lookroad e-bike, the right lever controls the rear brake, and the left lever controls the front brake.

This e-bike is fitted with reliable disc brakes. Squeeze the brake levers to make brake pads rub against brake discs, which slows down the wheels. The harder you squeeze, the faster the bike stops.

Always apply the rear brake first before using the front brake. Using only the front brake at high speeds may cause you to pitch forward over the handlebars. For stable braking, squeeze both levers evenly.

A slight scraping sound from rotating wheels without braking is normal for disc brakes.

Ensure the brake lever does not touch the handlebar when fully squeezed (Figure 1). If contact occurs, adjust the brakes by tightening the brake cable.

You can quickly fine-tune braking performance by turning the threaded barrel adjuster on the brake lever (Figure 2). If braking still works abnormally, please have it professionally adjusted by a skilled bike mechanic.

WARNING

- Disc brake rotors get extremely hot after use. Do not touch them immediately after riding.
- Braking distance increases in wet weather. Please brake in advance and avoid sudden stops.



FIGURE 1



FIGURE 2

11 TIRES & INNER TUBES

Maintain the recommended tire pressure marked on the tire sidewall to reduce wear and ensure safe, comfortable and stable riding.

Check tire pressure with a reliable pressure gauge before each ride. Meanwhile inspect tires for severe wear and cracks, and replace them in time if needed. Do not deflate tires unnecessarily.

12 MAINTENANCE & APPEARANCE CARE

Clean your Lookroad e-bike regularly with a damp cloth. Do not rinse directly with a water hose to prevent electrical faults.

Store the bike in a dry and sheltered area, away from direct sunlight and humid surroundings.

13

LOOKROAD E-Bikes FAQ

Q. How long does it take to fully charge the battery?

A. Charging time varies according to remaining power. It takes about 8 to 9 hours to fully charge an empty battery.

Q. Can I ride uphill and against strong headwinds on this e-bike?

A. Yes. This e-bike delivers powerful assist to make uphill riding effortless and keep steady speed against headwinds. With proper pedaling force, it can easily handle slopes from 10% to 14%. You will find tough routes much easier to ride.

Q. Do I have to keep pedaling while riding?

A. It is not mandatory, yet proper pedaling helps extend battery service life. This bike supports both throttle control and pedal assist modes for flexible power adjustment. When riding downhill, the motor provides extra power with almost no pedaling resistance, making riding very relaxed.



Q.What happens if I apply the brakes while riding with power assist?

A. All models are fitted with brake safety switches. The motor power will cut off automatically once you pull the brake lever. This ensures safe power-off braking and protects the motor from running against braking force.

Q.What is the maximum riding range?

A. The actual mileage is affected by many factors. Under normal flat road conditions with pedal assist, the standard battery can reach 110 to 160 kilometers. Steep slopes, road conditions, wind resistance, rider weight and tire pressure will all shorten the cruising range.

Q.How to deal with a flat tire?

A. The tires are universal standard bicycle tires. Just replace with a matching inner tube and inflate normally. No special accessories are required.

Q.How to check low battery level?

A. You can clearly view the remaining power via the handlebar indicators or LCD display. If the power is insufficient to reach your destination, turn off the electric assist and only use it on tough road sections.

Q.Do I need to drain the battery fully before charging?

A. No. This e-bike uses lithium-ion batteries with no memory effect. You can charge it at any time without fully discharging it, which will not damage battery performance or service life. It is recommended to charge the battery after each ride.



14

INSPECTION & MAINTENANCE



Brake Power Cut-off Function

If your e-bike is equipped with brake power cut-off function, the motor power will be automatically cut off once you apply the brakes.

Low Voltage Protection

When the battery output voltage drops to the preset limit, the control system will cut off power automatically to protect the battery. When low voltage protection is triggered, you can ride purely by pedaling. Please fully charge the battery before next use.

Power Shutdown

Always turn off the main power when the e-bike is not in use.

Charging Indicator Status

Red light = Charging in progress
Green light = Fully charged

Important Notes

- Turn off the battery bottom switch before charging.
Fully charge the battery prior to first use. It is advised to charge it for 6 hours continuously after the first three rides.
- For long-term storage, fully charge the battery and remove it from the bike. Keep the battery power off and recharge it every two months regularly.
- Keep batteries and chargers out of children's reach during charging.
- Do not disassemble or refit the battery and charger. Use them only for designated e-bike purposes.

Battery Charging Steps

1. Connect the charger plug to the battery port first, then plug the charger into the household power socket. The red indicator lights up to start charging.
 2. Charging is completed when the light turns green.
 3. After charging, disconnect the power socket first, then unplug the charger from the battery.
- Place the charger and battery on a flat, cool surface while charging.
Applicable working temperature: 32°F ~ 110°F.
Do not cover the battery or charger, and keep them away from all liquids.

Mileage

The actual riding range of the e-bike is affected by road conditions, rider load and weather. Proper regular pedaling helps extend cruising range and prolong battery lifespan.

Uphill Riding

When climbing slopes of 15° or steeper, please pedal actively for easier riding.

Cleaning Maintenance

Wipe the bike with dry or damp cloth only. Never rinse directly with water spray. Do not apply lubricant to the front brake. Clean and lubricate the seat post when necessary.

Parking Tips

Park the e-bike on firm flat ground and fully deploy the kickstand for stable placement.

BASIC MAINTENANCE

1. Perform regular maintenance and cleaning to keep your e-bike in optimal condition.
2. Check and maintain proper tire pressure routinely.
3. Ensure all quick-release levers, nuts and bolts are firmly tightened.
4. Inspect spoke tension after long rides and adjust in time if needed.
5. The frame and major components are made of steel. Avoid scratches and collisions, and clean them regularly.
6. Do not disassemble the motor, battery or controller by yourself. Please turn to professional maintenance personnel for repair services.
7. Never wash the bike with high-pressure water. Keep water away from the controller, battery and motor.
8. Apply lubricant to the chain, flywheel, headset, kickstand and other movable parts when required.

15

WARRANTY CERTIFICATE

Important Notice

We provide a 12-month warranty against manufacturing defects for all standard e-bikes and related components, excluding accessories.

The warranty term commences from the date of product delivery.

This warranty is only applicable to the original buyer and does not cover any accessories.

Warranty Validity Conditions

- a) The product is purchased from official Lookroad authorized dealers and sales outlets.
- b) The warranty right is non-transferable and cannot be assigned to any third party.
- c) The model mark and serial number label on the product shall not be defaced, altered or removed.

Warranty Exclusions

- a) Damage or failure caused by unauthorized modification, refitting and disassembly maintenance.
- b) Damage caused by improper operation and improper use by users.
- c) Normal wear and tear during daily use.
- d) Damage caused by force majeure and other uncontrollable external factors.

- e) Damage caused by foreign objects
- f) Damage resulting from connection with incompatible external devices
- g) Damage arising from accidents, improper use, abuse, unauthorized alteration or failure to follow instructions in the user manual
- h) Routine maintenance and daily servicing fees

Lookroad E-Bike Warranty Policy

- If your newly received e-bike fails to work properly, please comply with the following regulations to enjoy valid warranty service:
- For defective products upon arrival, Lookroad will cover relevant shipping fees as instructed, and arrange replacement or professional repair services promptly.
- To apply for product return, the buyer must contact Lookroad in advance to obtain a Return Authorization (RA) number and relevant return guidelines. Returns without a valid RA number will not be accepted.
- All returned goods must be well packaged to avoid transit damage. You need to attach a detailed fault description and valid purchase proof, and arrange delivery by yourself.
- The RA number must be clearly marked on the outer package.
- Buyers shall purchase shipping insurance at their own expense. Lookroad shall not be liable for any damage or loss occurring during transportation.

Warranty Invalid Conditions

This warranty shall become invalid under the following circumstances:

Damage caused by accidents, improper use, unauthorized modification, irregular operation or use of non-specified power supply.

Damage directly resulted from failure to perform required routine maintenance. Users are responsible for keeping the e-bike in good working condition.

Non-Warranty Consumable Parts

Some wearing parts are not covered by the warranty and need to be replaced at the user's own cost after long-term use, including buttons, pedals, saddles, tires and other vulnerable components.

Liability Statement

The manufacturer shall not be liable for any property loss or personal injury arising from product purchase and use. The total compensation amount shall not exceed the original purchase price of the product.

The final warranty judgment right belongs to Lookroad official technical staff after professional inspection of returned faulty products.

Items Excluded from Warranty

Replacement and freight fees for parts worn out by normal use.

Replacement and freight fees for faults caused by improper use, abuse or lack of maintenance.

Warranty is non-transferable.

Product Information

E-Bike Model: _____

Serial Number: _____

Purchase Date: _____

Order Number: _____