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› Baicycle A15 Electric Bike User Manual

## Baicycle A15

# Baicycle A15 Electric Bike User Manual

Model: A15

## 1. INTRODUCTION

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Welcome to the Baicycle A15 Electric Bike user manual. This document provides essential information for the safe operation, maintenance, and care of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize your riding experience. The Baicycle A15 is designed for adults, featuring a powerful motor, dual battery system, and robust fat tires for various terrains.



Image 1.1: The Baicycle A15 Electric Bike, showcasing its overall design with front basket and rear rack.

## 2. SAFETY INFORMATION

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Your safety is paramount. Always adhere to local traffic laws and regulations. Failure to follow these guidelines may result in serious injury or property damage.

- **Wear a Helmet:** Always wear an approved bicycle helmet that fits correctly.
- **Pre-Ride Check:** Before each ride, inspect brakes, tires, battery level, and all fasteners.
- **Visibility:** Use the integrated headlight and taillight, especially during low-light conditions or night riding. Consider wearing reflective clothing.
- **Traffic Laws:** Obey all traffic signs, signals, and laws. Ride predictably and signal turns.
- **Weather Conditions:** Exercise caution in wet, icy, or slippery conditions. Braking distance increases significantly.
- **Weight Limit:** Do not exceed the maximum weight recommendation of 120.2 kg (265 lbs).
- **Passenger Safety:** The extended double-seat design allows for a passenger, but ensure they are seated securely and aware of the ride.

# Safety **Night Riding**

A sharp headlight and responsive brake light, keep you visible always



*Image 2.1: Integrated headlight for enhanced visibility and safety during night riding.*

## 3. PRODUCT OVERVIEW

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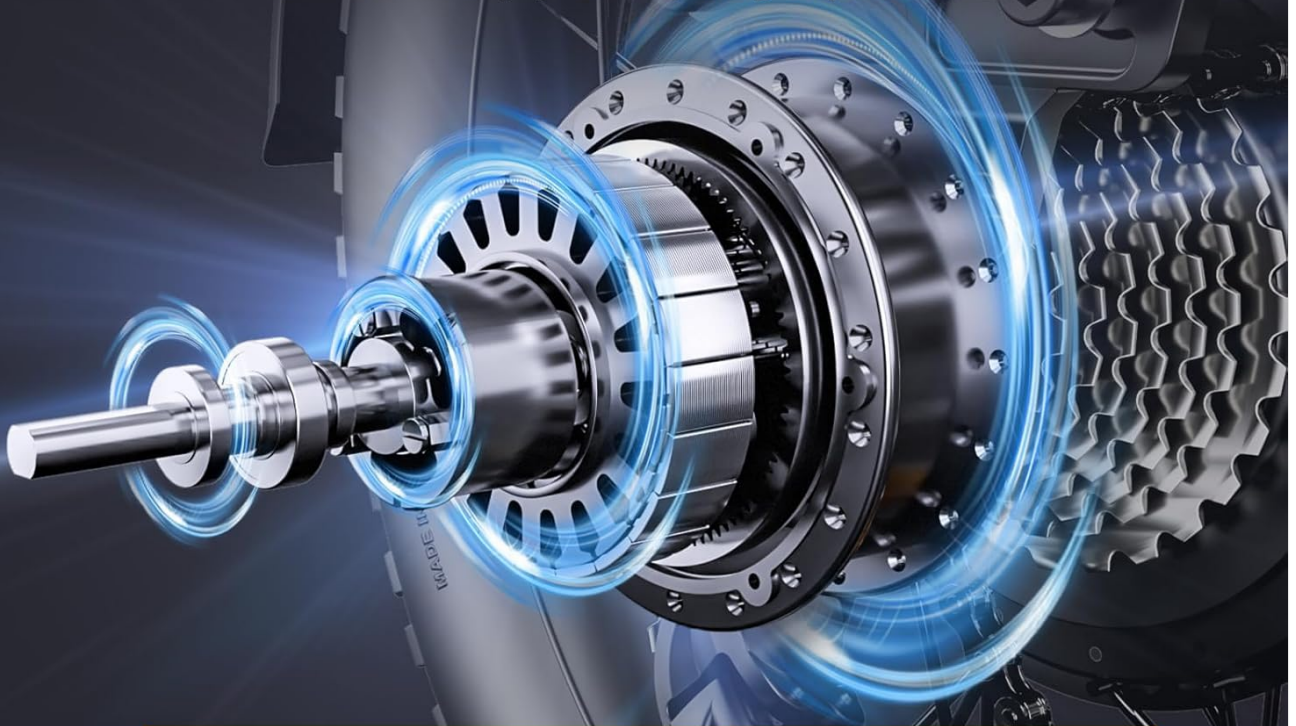
The Baicycle A15 is an electric bike designed for versatility and performance. Key features include:

### 3.1. Motor and Performance

Equipped with a **1500W peak motor** (750W rated), the A15 delivers strong acceleration and climbing ability, capable of reaching speeds up to 28 MPH. This motor ensures efficient power delivery for various riding conditions.

# Baicycle E-Bike

1500W peak hub motor for conquering hill  
and more enjoyable cycling experience



## 1500W Peak Motor

High-speed brushless



**750W**  
Rated Motor



**30° Slope**  
Max climbing slope



**160Miles**  
Mileage



**28 MPH**  
Max Speed

Image 3.1: Illustration of the 1500W peak hub motor, highlighting its power and efficiency.

### 3.2. Dual Battery System

The A15 features a **48V 26Ah dual lithium battery system** (624Wh total capacity), providing an extended range of up to 50 miles in pure electric mode and 100 miles with pedal assist. The batteries are removable for convenient charging.

# 48V 13Ah Large Capacity Battery \* 2



**BMS**  
Power-Saving



**Direct**  
Charging

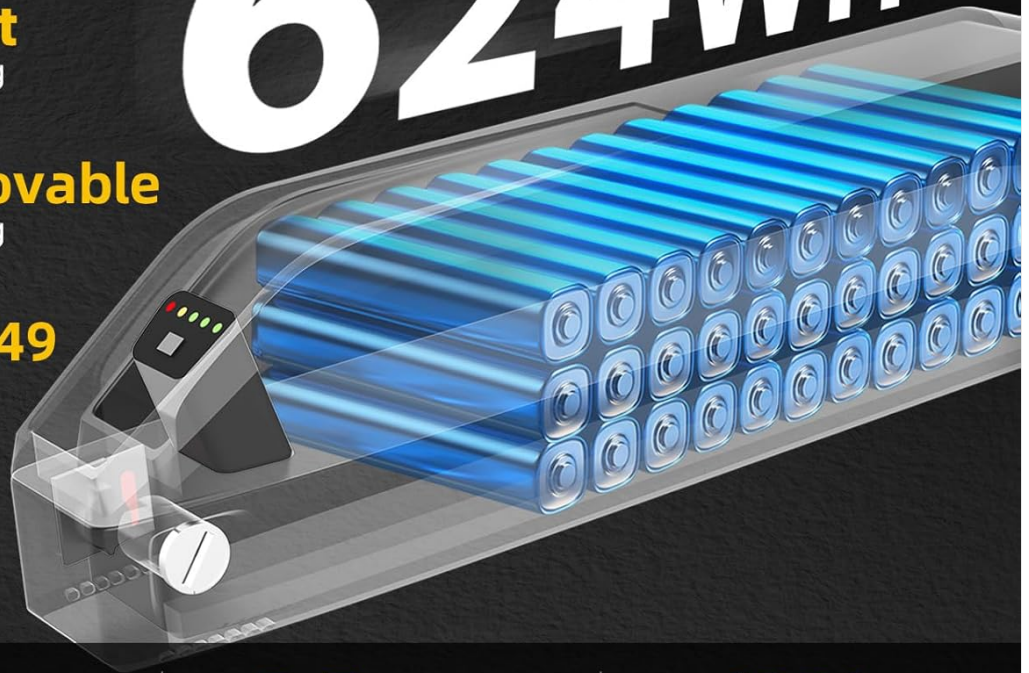


**Removable**  
Charging



**UL2849**  
Certified

# 624WH



**120-160 Miles**  
Long Range

**5-7 Hours**  
Charging Time

**IP54**  
Waterproof

*Image 3.2: Visual representation of the dual 48V 13Ah batteries, emphasizing their capacity and removable design.*

### 3.3. Tires and Suspension

The **20"x4.0" fat tires** provide excellent grip and stability across diverse terrains, from city streets to gravel paths. Coupled with **dual front suspension and rear shocks**, the ride remains smooth by absorbing impacts from uneven surfaces. The front fork suspension is lockable and adjustable.

# 20 inch Fat Tire

Adapt to All Terrain



Image 3.3: Close-up of the 20-inch by 4.0-inch fat tire, illustrating its adaptability to various terrains.

# Lockable & Adjustable



## Front Fork Suspension

Lockable and adjustable front fork suspension can effectively reduce bumps when riding on rough terrain and mountain roads, providing you with a comfortable ride.

*Image 3.4: Detail of the lockable and adjustable front fork suspension, designed to reduce impact.*

### 3.4. Braking System

For reliable stopping power, the A15 is equipped with **180mm dual disc brakes** on both the front and rear wheels. These brakes offer responsive and consistent performance, enhancing safety.

# 180mm Large Disc Brake Rotor

Offers better braking performance, improved heat dissipation, and increased stability




*Image 3.5: Depiction of the 180mm large disc brake rotor, highlighting its braking performance and heat dissipation.*

## 3.5. Smart LCD Display

An intelligent **LCD display** provides real-time information including speed, battery level, pedal-assist level, mileage, and current mode. This allows for easy monitoring of the bike's status during your ride.

# Smart LCD Display

 Battery Indicator

 Speed

 Pas Level

 Mileage

 Mode

 Lights

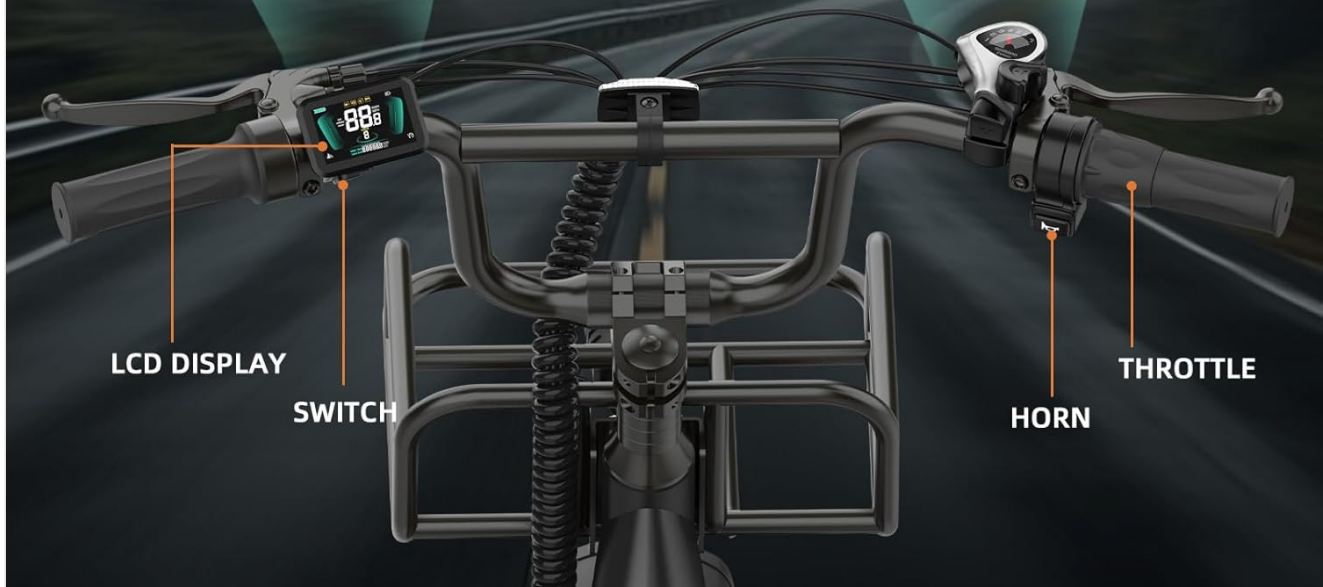


Image 3.6: Overview of the smart LCD display and handlebar controls, showing battery indicator, speed, PAS level, and other stats.

## 3.6. Additional Features

- **Seating:** Double PU seats offer comfort for both rider and passenger during long or short journeys.
- **Accessories:** Includes a front basket and a horn for convenience and safety.
- **Gears:** Shi-Mano 7-speed system for adaptable riding on varied inclines and terrains.

## 4. SETUP

### 4.1. Unpacking and Initial Inspection

Carefully remove the bike from its packaging. Although the Baicycle A15 is largely pre-assembled, inspect all components for any signs of damage during transit. Ensure all parts listed in the packing list are present.

### 4.2. Battery Installation and Initial Charge

The A15 comes with dual batteries. Locate the battery compartments and ensure batteries are securely installed. For optimal performance and longevity, fully charge both batteries before your first ride. The charging time is typically 5-7 hours.

- **Charging Options:** You can charge the batteries while they are installed in the bike (hidden, waterproof built-in) or remove them for charging.
- Use only the charger provided by Baicycle.
- Ensure the charging port is clean and dry before connecting the charger.

### 4.3. Pre-Ride Safety Checks

Before every ride, perform the following checks:

- **Tires:** Check tire pressure. The 20x4.0 inch fat tires require specific pressure for optimal performance and comfort.
- **Brakes:** Test both front and rear brakes to ensure they are functioning correctly and provide adequate stopping power.
- **Fasteners:** Verify that all bolts, nuts, and quick releases are tightened securely.
- **Battery Level:** Confirm sufficient battery charge for your planned ride.
- **Lights:** Ensure the headlight and taillight are operational.

## 5. OPERATING INSTRUCTIONS

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### 5.1. Powering On/Off

To power on the bike, press and hold the power button on the LCD display. To power off, repeat the action. The LCD display will illuminate, showing current bike status.

### 5.2. Riding Modes

The Baicycle A15 offers four distinct riding modes, easily switchable via the controls on the handlebar:

- **Throttle Mode:** Provides power directly from the motor without pedaling. Use the throttle lever on the handlebar.
- **Pedal Assist System (PAS) Mode:** The motor provides assistance as you pedal. The level of assistance can be adjusted via the display. This mode extends battery range.
- **Walking Mode (Booster Model):** Provides low-speed assistance, useful when pushing the bike uphill or through difficult terrain.
- **Bike Mode:** Operates as a traditional bicycle with no motor assistance. You rely solely on pedal power.

# 4 Working Modes



Normal Bike



Pure Electric



Pedal Assist



Assist Push



Image 5.1: Diagram illustrating the four working modes: Normal Bike, Pure Electric, Pedal Assist, and Assist Push.

## 5.3. Gear Shifting

The Shi-Mano 7-speed system allows you to adjust your pedaling effort to match terrain and speed. Use the trigger shifter on the handlebar to change gears smoothly. Shift to lower gears for climbing hills and higher gears for flat terrain or downhill riding.

## 6. BATTERY MANAGEMENT

### 6.1. Charging

The Baicycle A15 features a dual battery system with two charging methods:

- **On-Bike Charging:** Connect the charger directly to the charging port on the bike. The built-in battery is waterproof.
- **Off-Bike Charging:** Remove the batteries from the bike and charge them separately. This offers flexibility and convenience.

Always use the original charger. A full charge typically takes 5-7 hours. Do not leave batteries charging unattended for extended periods.

## 6.2. Battery Care and Storage

- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, charge the batteries to approximately 50-70% every 1-2 months to maintain health.
- Avoid fully discharging the batteries frequently, as this can reduce their lifespan.

## 7. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your Baicycle A15.

### 7.1. Routine Checks

- **Brakes:** Check brake pads for wear and ensure brake levers operate smoothly. Adjust as needed.
- **Tires:** Monitor tire pressure and inspect for cuts, punctures, or excessive wear.
- **Chain:** Keep the chain clean and lubricated for smooth gear changes and to prevent wear.
- **Fasteners:** Periodically check all bolts and nuts for tightness, especially on critical components like wheels, handlebars, and seat post.
- **Electrical Connections:** Ensure all electrical cables and connectors are secure and free from damage.

### 7.2. Cleaning and Storage

- Clean the bike regularly with a damp cloth and mild soap. Avoid high-pressure washing directly on electrical components.
- Store the bike in a dry, secure location, protected from extreme weather conditions.

## 8. TROUBLESHOOTING

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This section addresses common issues you might encounter with your Baicycle A15.

Problem	Possible Cause	Solution
Bike does not power on.	Low or depleted battery; loose battery connection; faulty power button.	Charge batteries fully. Ensure batteries are securely seated. Contact customer support if issue persists.
Motor not providing assistance.	PAS level set to zero; throttle not engaged; brake levers engaged; motor error.	Check PAS level on display. Ensure throttle is fully engaged. Release brake levers. Check display for error codes.
Reduced range or power.	Under-inflated tires; heavy load; riding uphill frequently; cold weather; battery degradation.	Ensure tires are properly inflated. Reduce load. Use PAS mode more. Charge batteries fully.
Max speed limited to 20 MPH.	Speed limit setting activated.	Refer to the specific instructions for adjusting the speed limit setting on your LCD display. This is typically a sequence of button presses. ( <i>Note: Specific instructions for speed adjustment are often model-dependent and may be found in a separate quick-start guide or by contacting support.</i> )

Problem	Possible Cause	Solution
Brakes feel weak or noisy.	Worn brake pads; contaminated rotors; loose caliper.	Inspect and replace brake pads if worn. Clean rotors with disc brake cleaner. Ensure caliper bolts are tight. Seek professional service if unsure.

## 9. SPECIFICATIONS

<b>Model Name</b>	A15
<b>Brand</b>	Baicycle
<b>Bike Type</b>	Electric Bike, Recumbent Bike
<b>Age Range (Description)</b>	Adult
<b>Motor Wattage (Peak)</b>	1500 Watts
<b>Motor Wattage (Rated)</b>	750 Watts
<b>Battery Type</b>	48V 26Ah Dual Lithium (1248 Watt Hours total)
<b>Max Range</b>	Up to 100 Miles (Pedal Assist), 50 Miles (Pure Electric)
<b>Max Speed</b>	28 MPH
<b>Wheel Size</b>	20 Inches
<b>Tire Width</b>	4 Inches (Fat Tire)
<b>Number of Speeds</b>	7 (Shi-Mano)
<b>Frame Material</b>	Aluminum
<b>Suspension Type</b>	Front (Lockable & Adjustable)
<b>Brake Style</b>	Disc (180mm Dual)
<b>Item Weight</b>	40 kg
<b>Maximum Weight Recommendation</b>	120.2 kg
<b>Included Components</b>	Basket, Horn
<b>Special Features</b>	Digital Display, Dual Disc Brake, Front Suspension, Taillight

## 10. WARRANTY AND SUPPORT

For specific warranty details and customer support, please refer to the warranty card included with your purchase or contact Bicycle customer service directly. Keep your purchase receipt as proof of purchase.

For technical assistance or inquiries, please visit the official Bicycle website or contact their support team through the contact information provided with your product.

