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BURCHDA R7PRO

BURCHDA R7PRO Foldable Electric Bicycle

USER INSTRUCTION MANUAL

1. IMPORTANT SAFETY INSTRUCTIONS

Before operating your BURCHDA R7PRO electric bicycle, please read this manual thoroughly and retain it for future reference. Always prioritize your safety and the safety of others.

- **Wear a Helmet:** Always wear an approved bicycle helmet that fits properly.
- **Obey Traffic Laws:** Follow all local traffic laws, regulations, and road signs.
- **Pre-Ride Check:** Before each ride, check tire pressure, brake function, battery level, and ensure all quick releases and fasteners are secure.
- **Weather Conditions:** Exercise caution when riding in wet conditions, snow, or on slippery surfaces. Braking distance increases significantly.
- **Visibility:** Use the integrated lights during low light conditions and consider wearing reflective clothing to enhance your visibility to others.
- **Load Capacity:** Do not exceed the maximum load capacity of 396 lbs (180 kg).
- **Battery Safety:** Only use the original charger. Do not expose the battery to extreme temperatures or puncture it.

2. PACKAGE CONTENTS

Upon unpacking your BURCHDA R7PRO, please verify that all components are present and undamaged.

- BURCHDA R7PRO Foldable Electric Bicycle (95% pre-assembled)
- 48V 16Ah Lithium-ion Batteries (x2)
- Battery Charger
- User Manual
- Assembly Tools Kit
- Bicycle Lock

3. PRODUCT OVERVIEW

The BURCHDA R7PRO is a versatile foldable electric mountain bike designed for various terrains, offering a powerful motor, long-range battery, and comfortable riding experience.



Figure 3.1: The BURCHDA R7PRO Foldable Electric Bicycle, showcasing its robust frame and fat tires.

Key Components and Features:

- **Motor:** Powerful 48V 800W Brushless Motor, providing strong acceleration and hill-climbing capability.
- **Battery:** Dual 48V 16Ah (total 32Ah) removable lithium batteries, offering an extended range of 55-60 km in pure electric mode and 80-100 km with pedal assist.
- **Tires:** 20 x 4.0 inch CST fat tires, designed for superior grip and shock absorption on diverse terrains including snow, sand, and rough roads.



Bigger tires For a smoother journey

Pneumatic tires suitable for 20" * 4.0" different curbs, more smooth to step on rough terrain.

Figure 3.2: The 20x4.0 inch fat tires provide excellent traction and a smoother ride over varied surfaces.

- **Braking System:** High-quality hydraulic disc brakes on both front and rear wheels for reliable and responsive stopping power.
- **Gears:** Shimano 8-speed gear system, allowing for smooth and precise shifting to adapt to different riding conditions.

Multiple speeds, multiple fun

Shimano offers 8-speed shifting. Get the most out of it and it's fun to ride the bike.



Figure 3.3: The Shimano 8-speed shifter integrated into the handlebars for easy gear changes.

- **Suspension:** Rear suspension and lockable front hydraulic shock absorbers with 100mm travel, enhancing comfort and control on bumpy rides.



Lock front suspension

With improved hydraulic shock absorbers with lockout

Figure 3.4: The lockable front suspension provides improved shock absorption and can be adjusted for different terrains.

- **LCD Display:** Smart LCD screen providing real-time data including speed, travel distance, battery level, and fault indicators. It also features a USB charging port.

Simple and Smart Control Panel

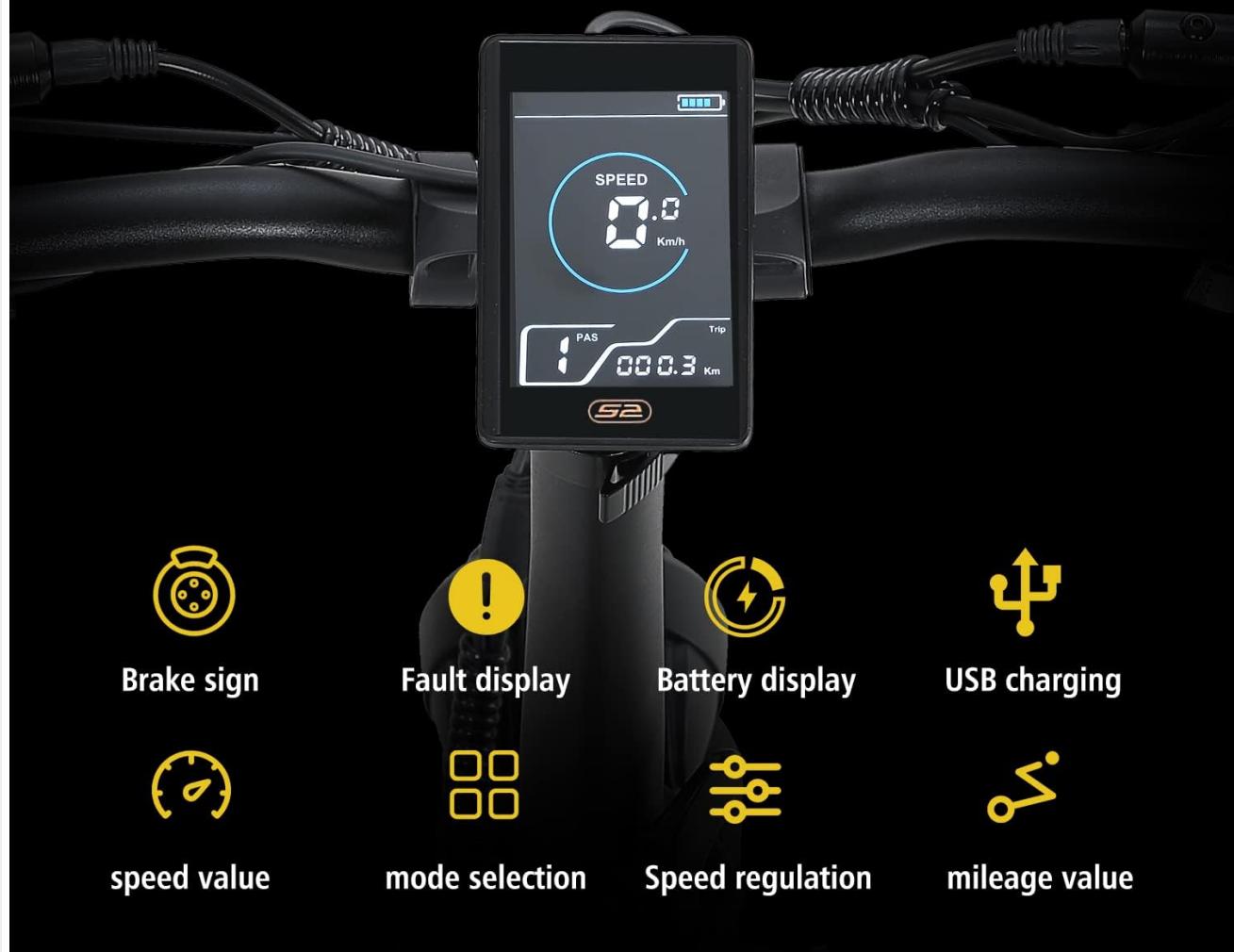


Figure 3.5: The intelligent LCD display provides essential riding information at a glance, including speed, battery, and mode selection.

- **Lighting:** Bright LED headlights and a warning tail light for enhanced visibility and safety during night rides.
- **Frame:** Durable 6061 aluminum alloy frame with a convenient foldable design for easy transport and storage.



Figure 3.6: The R7PRO's foldable design allows for compact storage and easy transportation in vehicle trunks or small spaces.

4. SETUP AND ASSEMBLY

Your BURCHDA R7PRO electric bicycle arrives 95% pre-assembled. Follow these steps to complete the assembly and prepare for your first ride.

- 1. Unfold the Bicycle:** Carefully unfold the main frame, handlebar stem, and pedals. Ensure all folding mechanisms click securely into place.
- 2. Install Handlebars:** Insert the handlebar stem into the head tube and tighten the quick-release lever or bolts securely. Adjust the handlebar height to your comfort.
- 3. Install Pedals:** Identify the left (L) and right (R) pedals. The left pedal screws counter-clockwise, and the right pedal screws clockwise. Tighten them firmly with a wrench.
- 4. Adjust Seat Height:** Adjust the seat post to a comfortable riding height, ensuring your feet can touch the ground when stopped. Secure the quick-release lever.
- 5. Install Batteries:** Insert the two 48V 16Ah batteries into their designated compartments. Ensure they are securely

locked in place.

6. **Initial Charge:** Fully charge the batteries before your first ride. Connect the charger to the charging port and a power outlet. The indicator light on the charger will change when fully charged.
7. **Pre-Ride Safety Check:** Before riding, perform a thorough safety check as outlined in Section 1.

5. OPERATING YOUR BURCHDA R7PRO

5.1 Powering On/Off

- **To Power On:** Press and hold the power button on the LCD display for a few seconds until the screen illuminates.
- **To Power Off:** Press and hold the power button again until the screen turns off.

5.2 LCD Display Functions

The intelligent LCD display provides crucial information for your ride:

- **Speed Value:** Displays current riding speed.
- **Mileage Value:** Shows trip distance and total odometer.
- **Battery Display:** Indicates remaining battery charge level.
- **Mode Selection:** Allows switching between different assist levels (0-5 levels of pedal assist) and pure electric mode.
- **Fault Display:** Alerts you to any system errors.
- **Brake Sign:** Indicates when brakes are applied.
- **USB Charging:** A USB port is available for charging mobile devices.

5.3 Riding Modes

- **Pure Electric Mode:** Engage the throttle to ride without pedaling.
- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. Adjust the assist level (1-5) on the LCD display to control the amount of power.
- **Manual Mode:** Ride the bicycle like a traditional bike without any motor assistance.

5.4 Shifting Gears

The Shimano 8-speed system allows you to select the appropriate gear for different terrains and speeds. Use the shifter on the right handlebar to change gears. Shift down for climbing hills and up for higher speeds on flat terrain.

5.5 Braking

The BURCHDA R7PRO is equipped with hydraulic disc brakes. Apply both brake levers simultaneously for effective and controlled stopping. Avoid sudden, hard braking, especially at high speeds or on slippery surfaces.

5.6 Folding the Bicycle

To fold your R7PRO for storage or transport:

1. Ensure the power is off and the battery is removed (optional, but recommended for lighter lift).
2. Lower the seat post and handlebar stem.
3. Open the frame folding latch and carefully fold the main frame in half.
4. Fold the pedals inward.

- Secure the folded components with any integrated straps or clips.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your BURCHDA R7PRO.

6.1 Battery Care

- Charging:** Charge the battery fully after each ride. Avoid completely draining the battery.
- Storage:** If storing the bike for an extended period, charge the battery to 50-70% and store it in a cool, dry place. Recharge every 1-2 months to prevent deep discharge.
- Cleaning:** Wipe the battery casing with a dry cloth. Do not use water or solvents.

6.2 Tires

- Tire Pressure:** Check tire pressure before each ride. Maintain the recommended pressure (typically indicated on the tire sidewall) for optimal performance and safety. For 20x4.0 inch fat tires, this is usually lower than standard bike tires.
- Inspection:** Regularly inspect tires for wear, cuts, or embedded objects.

6.3 Brakes

- Brake Pad Wear:** Check brake pads regularly for wear. Replace them when they become thin.
- Brake Fluid:** Hydraulic brakes require periodic fluid checks and bleeding. If you notice a spongy feel or reduced braking power, consult a qualified bicycle mechanic.

6.4 General Cleaning and Lubrication

- Cleaning:** Clean the bicycle regularly with a damp cloth and mild soap. Avoid high-pressure washing, especially near electrical components.
- Lubrication:** Lubricate the chain and other moving parts (e.g., derailleur pivots) periodically with bicycle-specific lubricant.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your BURCHDA R7PRO.

Problem	Possible Cause	Solution
Bike does not power on	Battery not installed correctly or discharged; Loose electrical connection; Power button not pressed correctly.	Ensure batteries are fully inserted and charged. Check all visible cable connections. Press and hold the power button firmly.
Motor not assisting	Battery low; Assist level set to 0; Brake levers engaged; Motor or controller fault.	Charge battery. Increase assist level on LCD. Release brake levers. Check LCD for fault codes. If persistent, contact support.

Problem	Possible Cause	Solution
Brakes feel weak or spongy	Worn brake pads; Air in hydraulic line; Disc rotor dirty or bent.	Inspect and replace brake pads if worn. Clean disc rotors. If hydraulic, bleeding may be required by a professional.
Gears are not shifting smoothly	Derailleur out of adjustment; Dirty or dry chain; Bent hanger.	Clean and lubricate the chain. Adjust derailleur limits and cable tension. If issue persists, consult a bike mechanic.

8. SPECIFICATIONS

Detailed technical specifications for the BURCHDA R7PRO Foldable Electric Bicycle.

Feature	Specification
Model	BURCHDA R7PRO
Motor	48V 800W Brushless Motor
Battery	Dual 48V 16Ah (Total 32Ah) Removable Lithium-ion
Charging Time	5-6 hours
Pure Electric Range	55-60 km (approx. 34-37 miles)
Pedal Assist Range	80-100 km (approx. 50-62 miles)
Max Speed	40-45 km/h (approx. 25-28 mph)
Gears	Shimano 8-Speed
Brakes	Hydraulic Disc Brakes (Front & Rear)
Tires	20 x 4.0 inch CST Fat Tires
Frame Material	6061 Aluminum Alloy
Suspension	Rear Suspension, Lockable Front Hydraulic Suspension (100mm travel)
Display	Smart LCD with USB Charging Port
Max Load Capacity	396 lbs (180 kg)
Recommended Rider Height	5'3" - 6'4" (160 cm - 193 cm)
Net Weight	68.3 lbs (31 kg)



A 22.8"

B 47"

C 4.7"
Adjustable height

D 68.8"

E 46.4"

F 22.4"

G 27.5"

H 37.4"
Minimum seat height

I 3.9"
Adjustable height

J 25.5"

 **5'3"-6'4"**

recommended height

 **68.3LBS**
Electric Bikes

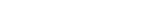
 **396LBS**
load capacity

Figure 8.1: Key dimensions and rider specifications for the BURCHDA R7PRO.

9. WARRANTY AND SUPPORT

BURCHDA provides a one-year warranty for the motor and battery of your R7PRO electric bicycle, covering manufacturing defects under normal use.

For any questions, technical assistance, or warranty claims regarding your BURCHDA R7PRO foldable electric bicycle, please do not hesitate to contact BURCHDA customer service. Refer to the contact information provided with your purchase or visit the official BURCHDA website for support details.

 USER MANUAL  HB-208  Product name: HB-208 LCD Instrument Product name: HB-208	<p>BURCHDA Electric Bicycle User Manual: Installation, Operation, and Safety</p> <p>Comprehensive user manual for BURCHDA electric bicycles, covering model introductions, step-by-step installation guides, battery handling, charging procedures, riding and parking precautions, and safety warnings. Essential reading for all BURCHDA e-bike owners.</p>
 HB-208  Product name: HB-208 LCD Instrument Product name: HB-208	<p>HB-208 Middle LCD Instrument Product Specification</p> <p>Product specification for the HB-208 Middle LCD Instrument, detailing its features, functions, button operations, display information, fault codes, parameter settings, warranty, and precautions. Suitable for e-bikes and power-assisted vehicles.</p>
 RX80  ELECTRIC BIKE USER MANUAL	<p>BURCHDA RX80 Electric Bike User Manual and YL81F Display Guide</p> <p>Comprehensive user manual for the BURCHDA RX80 electric bike, detailing installation, riding and parking precautions, battery management, charging procedures, pattern (riding mode) descriptions, motor operation, safety warnings, and energy consumption factors. Includes information on the YL81F Electric Bike Display.</p>
 RX60  ELECTRIC BIKE USER MANUAL	<p>RX60 Electric Bicycle User Manual: Operation and Maintenance</p> <p>This user manual provides comprehensive instructions for the operation and maintenance of the RX60 electric bicycle. It covers safety precautions, installation, charging, battery usage, pattern descriptions, motor details, and after-sales service.</p>
 RX50/RX80  ELECTRIC BIKE USER MANUAL	<p>BURCHDA RX50/RX80 Electric Bicycle User Manual: Operation and Maintenance</p> <p>Comprehensive user manual for BURCHDA RX50 and RX80 electric bicycles, covering operation, maintenance, safety precautions, battery care, installation, and after-sales service.</p>
 AZ20  ELECTRIC BIKE USER MANUAL	<p>Burchda AZ20 Electric Bicycle User Manual</p> <p>Comprehensive user manual for the Burchda AZ20 electric bicycle, covering operation, maintenance, installation, and troubleshooting.</p>

Documents - BURCHDA – R7PRO



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please contact the dealer in time. Abide by the city traffic laws and regulations w...
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