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› [SPYMINNPOO](#) /

› [SPYMINNPOO Electric Bicycle LCD Display UKC3 User Manual](#)

SPYMINNPOO UKC3

Electric Bicycle LCD Display User Manual

Model: UKC3 | Brand: SPYMINNPOO

1. INTRODUCTION

This user manual provides detailed instructions for the SPYMINNPOO Electric Bicycle LCD Display, Model UKC3. It covers essential information regarding product features, installation, operation, maintenance, and troubleshooting. Please read this manual thoroughly before using the product to ensure proper function and longevity.

The UKC3 display is designed to provide crucial riding data for electric bicycles, enhancing your cycling experience with clear and accessible information.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- Ensure the display is securely mounted before riding.
- Do not attempt to disassemble or modify the display. Unauthorized modifications can void the warranty and pose safety risks.
- Keep the display clean and free from excessive dirt or debris.
- The display has an IP64 waterproof rating, meaning it is protected against dust ingress and splashing water from any direction. However, avoid submerging the device in water.
- If the display shows any abnormal behavior or damage, discontinue use immediately and contact customer support.

3. PRODUCT FEATURES

The SPYMINNPOO UKC3 Electric Bicycle LCD Display offers a range of features designed for convenience and performance:

- **Durable Construction:** Made from high-quality ABS material, ensuring lightweight, strong, and durable performance with excellent toughness.
- **Multi-functional Display:** Provides essential riding data including speed, battery level, gear indication, and mileage.
- **User-Friendly Interface:** Equipped with intuitive buttons for easy operation, including power on/off, light switch, and data adjustment.
- **Compact and Portable:** Its compact and lightweight design occupies minimal space, making it easy to carry and

store.

- **Waterproof and Dustproof:** Features an IP64 waterproof rating and precision technology, offering robust protection against water splashes and dust.
- **Wide Application:** Designed with a 22.2mm mounting diameter, making it a perfect accessory for electric bicycles and electric scooters.



Figure 3.1: Front view of the SPYMINNPOO UKC3 Electric Bicycle LCD Display, illustrating its clear screen and control buttons. The display shows current speed (23.6 km/h), battery level (86%), current gear (2), and total mileage (1806.3 km).

4. SETUP AND INSTALLATION

Follow these steps to properly install your electric bicycle LCD display:

1. **Prepare Mounting Area:** Identify a suitable location on your electric bicycle's handlebar with a diameter of 22.2mm. Ensure the area is clean and free from obstructions.
2. **Attach the Display:** Loosen the screw on the display's mounting clamp. Position the display on the handlebar and tighten the screw securely until the display is firm and does not rotate freely. Do not overtighten.
3. **Connect Wiring:** Locate the 5-core waterproof plug on the display's cable. Connect this plug to the corresponding port on your electric bicycle's control system. Ensure the connection is secure and fully seated to maintain waterproof integrity.
4. **Cable Management:** Route the cable neatly along your bicycle frame, securing it with cable ties if necessary, to prevent it from interfering with moving parts or getting snagged.
5. **Initial Check:** After installation, perform a quick check to ensure all connections are secure and the display is firmly mounted.

Liquid crystal display features

Multi-dimensional understanding of the product



Figure 4.1: Illustration of the display's mounting features, including the 22.2mm diameter handlebar clamp and the removable screw for secure attachment.



Figure 4.2: The display unit with its waterproof plug, highlighting the connection point for the electric bicycle's system.

5. OPERATING INSTRUCTIONS

The UKC3 display provides intuitive controls and clear data presentation:

5.1. Button Functions

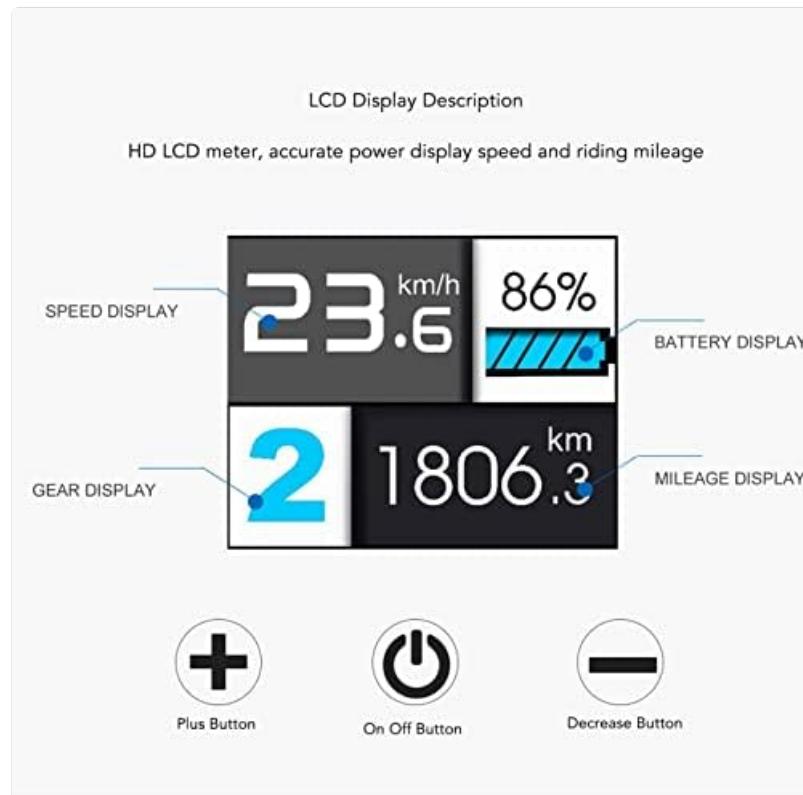


Figure 5.1: Overview of the display interface, detailing the information displayed and the function of each button.

- **Power Button (On/Off):** Press and hold to turn the display on or off. A short press may cycle through display modes

or activate/deactivate lights, depending on your e-bike's system.

- **Plus Button (+):** Typically used to increase assist level, navigate menus upwards, or increase values in settings.
- **Decrease Button (-):** Typically used to decrease assist level, navigate menus downwards, or decrease values in settings.

5.2. Display Information

The LCD screen provides the following real-time data:

- **Speed Display:** Shows your current riding speed in kilometers per hour (km/h).
- **Battery Display:** Indicates the remaining battery charge level, allowing you to monitor your power reserves.
- **Gear Display:** Shows the current assist level or gear selected.
- **Mileage Display:** Displays the total distance traveled (odometer) or trip distance, depending on the selected mode.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your display:

- **Cleaning:** Use a soft, damp cloth to wipe the display screen and body. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the surface or internal components.
- **Water and Dust Protection:** While the display is IP64 rated, it is recommended to avoid direct high-pressure water jets or prolonged exposure to heavy rain. Ensure the waterproof plug connection remains secure.
- **Storage:** When not in use for extended periods, store the display in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically check the mounting screw and cable connections to ensure they are secure.

7. TROUBLESHOOTING

If you encounter issues with your display, refer to the following common troubleshooting tips:

- **Display Not Turning On:**
 - Check if the power button is pressed and held long enough.
 - Verify that the display's cable is securely connected to the e-bike's system.
 - Ensure your e-bike's battery has sufficient charge.
- **Incorrect Data Displayed:**
 - Restart the display by turning it off and on again.
 - Check for any loose connections that might affect data transmission.
- **Buttons Not Responding:**
 - Ensure the buttons are not stuck or obstructed.
 - Clean around the buttons to remove any dirt or debris.
- **Water or Moisture Inside Display:**
 - Immediately turn off the display and disconnect it from power.
 - Allow it to dry completely in a well-ventilated area. Do not use heat.
 - If the issue persists after drying, contact customer support.

If these steps do not resolve the issue, please contact SPYMINNPOO customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Model	UKC3
Brand	SPYMINNPOO
Display Type	TFT LCD Color Display
Material	ABS
Dimensions (L x W)	Approx. 6.63 x 4.46 cm / 2.6 x 1.8 inches
Weight	Approx. 87 g / 3.07 oz
Mounting Diameter	22.2 mm
Waterproof Rating	IP64
Voltage Compatibility	24V/36V/48V/52V
Included Components	1 x Electric Bike Display, 1 x User Manual



Figure 8.1: Technical drawing illustrating the precise dimensions of the display unit.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact SPYMINNPOO customer service directly. Ensure you have your product model (UKC3) and purchase details ready when contacting support.

For the most up-to-date support information, please visit the official SPYMINNPOO website or the retailer's support page where the product was purchased.

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Related Documents - UKC3

	<p><u>UKC3 TFT LCD Display: Specifications and User Guide</u></p> <p>Comprehensive guide to the UKC3 TFT LCD display for electric bikes, detailing its features, electrical parameters, functional descriptions, and menu settings. Includes dimensions, materials, and assembly information.</p>
	<p><u>E-Bike Conversion Kit Installation Manual - Rear Wheel</u></p> <p>Comprehensive installation manual for rear wheel E-bike conversion kits, covering parts, tools, and step-by-step assembly for components like motor, controller, LCD, PAS, and brake levers.</p>