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Pilipane Pilipaneni5qf2bc31

Electric Bike Display TFT UKC3 User Manual

Brand: Pilipane

1. Introduction

Thank you for choosing the Pilipane Electric Bike Display TFT UKC3. This LCD control panel is designed to enhance your electric biking experience by providing essential real-time data and intuitive controls. Its durable and lightweight construction ensures reliable performance in various conditions. This manual provides detailed instructions for installation, operation, and maintenance to help you get the most out of your new display.

2. Product Overview

Key Features

- **Durable and Lightweight Design:** Crafted from premium ABS material, ensuring longevity and protection for internal circuitry.
- **Multifunctional LCD Display:** Provides essential data including battery level, light switch status, speed, and distance.
- **Weather-Resistant:** IP64 rating protects against water and dust, suitable for all-weather cycling.
- **Compact and Portable:** Slim design for easy carrying and minimal space usage.
- **Universal Compatibility:** Features a 22.2mm mounting diameter, fitting various electric bikes and scooters.

Package Contents

Please verify that all items are present in your package:

- 1 x Electric Bike Display (TFT UKC3)
- 1 x Instruction Manual

3. Technical Specifications

Specification	Value
Product Material	ABS

Specification	Value
Weight	87g / 3.07oz
Size (Approx.)	6.63 x 4.46 cm / 2.6 x 1.8 in
Mounting Diameter	22.2mm
Ingress Protection (IP) Rating	IP64 (Water and Dust Resistant)
Model Name	Pilipaneni5qf2bc31

4. Installation Guide

Follow these steps to properly install your electric bike display:

1. **Mounting the Display:**

   Identify a suitable location on your bicycle handlebar, typically near the left grip, that allows for easy viewing and access to the control buttons. The display features an integrated mounting ring designed for 22.2mm handlebars. Loosen the screw on the mounting ring, position the display, and then tighten the screw securely until the display is firmly in place and does not rotate freely.



Rear view of the display showing the integrated mounting bracket for handlebar attachment.



The display unit mounted on a bicycle handlebar, showing its compact form and accessible buttons.

2. **Connecting the Cable:**

   Locate the corresponding connector on your electric bike's wiring harness. Align the pins of the display's connector with the bike's connector and push them firmly together until they click into place. Ensure a secure connection to prevent intermittent power or data issues.



A detailed view of the display's electrical connector, featuring a green inner ring and black outer casing.

Standard Connector Type



Display Output Connector

Standard Connector Arrangement

Sequence No.	Wire Colour	Functions
1	Red（VCC）	Display Power Cable
2	Blue（K）	Controller Power On/Off Cable
3	Black（GND）	Display Ground Cable
4	Green（RX）	Display Data Receiving Wire
5	Yellow（TX）	Display Data Sending Wire

This diagram illustrates the standard connector type with a five-pin arrangement, detailing wire colors and their functions for correct wiring.

Connector Pinout:

Sequence No.	Wire Colour	Functions
1	Red (VCC)	Display Power Cable
2	Blue (K)	Controller Power On/Off Cable
3	Black (GND)	Display Ground Cable
4	Green (RX)	Display Data Receiving Wire
5	Yellow (TX)	Display Data Sending Wire

3. **Cable Management:**

   Route the cable neatly along your bike frame and secure it with cable ties to prevent it from snagging or interfering with moving parts.

5. Operation Guide

The Pilipane Electric Bike Display provides clear information and easy controls for your ride.



The main interface of the Pilipane Electric Bike Display, showing speed, battery, and distance.

Display Elements

- **Speed Indicator:** Displays current riding speed in km/h.
- **Battery Level:** Shows the remaining battery charge as a percentage and a graphical icon.
- **Distance:** Indicates the total distance traveled (odometer) or trip distance, depending on the mode.
- **Assist Level:** Shows the current pedal assist level (e.g., 1, 2, 3, etc.).
- **Light Indicator:** May show status of bike lights if connected and controlled via the display.

Control Buttons

The display features three primary control buttons on the left side:

- **Power Button (Middle):**
  - Press and hold to turn the display ON/OFF.
  - Short press to cycle through display modes (e.g., Odometer, Trip Distance, Max Speed, Avg Speed).
- **Plus (+) Button (Top):**
  - Increases the pedal assist level.
  - Used for increasing values in settings menus.
- **Minus (-) Button (Bottom):**
  - Decreases the pedal assist level.
  - Used for decreasing values in settings menus.

For advanced settings and customization, refer to the specific instructions provided by your electric bike's controller manufacturer, as display functions can vary based on the bike's system.

6. Care and Maintenance

To ensure the longevity and optimal performance of your Pilipane Electric Bike Display, follow these care and maintenance guidelines:

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as they can damage the screen or casing.
- **Water Exposure:** While the display has an IP64 rating for water resistance, avoid submerging it in water or exposing it to high-pressure water jets. Dry the display thoroughly if it gets wet.
- **Temperature:** Store and operate the display within recommended temperature ranges. Extreme hot or cold temperatures can affect its performance and lifespan.
- **Impact Protection:** Protect the display from direct impacts or drops, which can cause internal damage or screen cracks.
- **Cable Inspection:** Periodically check the connecting cable for any signs of wear, fraying, or damage. Ensure the connector remains clean and free of debris.

7. Troubleshooting

If you encounter issues with your display, try the following troubleshooting steps:

- **Display Not Turning On:**
  - Ensure the electric bike's main power is on.
  - Check that the display's cable connection is secure and fully inserted.
  - Verify the bike's battery has sufficient charge.
- **Incorrect Speed/Distance Readings:**
  - This display relies on signals from your bike's controller and speed sensor. Ensure the speed sensor is properly installed and functioning.
  - Check for any loose connections between the display, controller, and sensor.
- **Buttons Not Responding:**
  - Ensure the display is powered on.
  - Gently clean around the buttons to remove any dirt or debris that might be obstructing them.
  - If the issue persists, a loose internal connection might be present, requiring professional inspection.
- **Display Screen is Blank or Flickering:**
  - Check for stable power supply from the bike's battery.
  - Inspect the cable for any visible damage or kinks.
  - Extreme temperatures can sometimes affect LCD performance; allow the unit to return to a moderate temperature.

If these steps do not resolve the issue, please contact Pilipane customer support or a qualified electric bike technician.

8. Warranty and Support

Specific warranty details for the Pilipane Electric Bike Display TFT UKC3 are not provided in this manual. For information regarding warranty coverage, terms, and conditions, please refer to the product packaging, your purchase receipt, or contact Pilipane customer support directly.

For technical assistance, troubleshooting beyond the scope of this manual, or to inquire about replacement parts, please visit the official Pilipane website or contact their customer service department. Keep your purchase receipt

handy as proof of purchase may be required for warranty claims.

Pilipane Official Store: Visit the Pilipane Store on Amazon

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