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Vernijtrdy E-03N

Vernijtrdy E-Bike Display E-03N User Manual

Model: E-03N | Brand: Vernijtrdy

1. Product Overview

The Vernijtrdy E-03N LCD Display is a smart color screen meter designed for 36V, 48V, and 60V electric scooters and e-bikes. It features a 5-pin SM plug for easy connection and provides essential riding data.



Figure 1.1: The Vernijtrdy E-Bike Display E-03N, a compact and clear LCD screen for electric bicycles and scooters.

Key Features:

- **Wide Compatibility:** Designed for 36V, 48V, and 60V e-bikes and electric scooters.
- **Easy Installation:** Simple to install and disassemble, suitable for first-time users, and includes an LCD screen display bracket.
- **Durable Construction:** Made from high-quality ABS material, ensuring durability, waterproof performance, and a long service life.
- **Clear Display:** Large LCD screen with backlight provides clear visibility of data even in dark environments.
- **Intuitive Interface:** Displays various data intuitively, including speed, mileage, battery level, and error indicators.



Figure 1.2: The display features an IPX5 waterproof rating, ensuring reliable performance even in rainy conditions.

2. Setup and Installation

The E-03N display is designed for straightforward installation. It comes with a mounting bracket for easy attachment to your e-bike or scooter handlebars.

Installation Steps:

1. **Mount the Bracket:** Secure the display bracket to your handlebar using appropriate tools. Ensure it is firmly attached and positioned for optimal viewing.
2. **Attach the Display:** Slide the E-03N display onto the mounted bracket until it clicks securely into place.
3. **Connect the SM Plug:** Locate the 5-pin SM plug on your e-bike/scooter's wiring harness. Connect the display's cable to this plug. Ensure the connection is secure and fully inserted.
4. **Cable Management:** Route the cable neatly along your bike frame, securing it with cable ties to prevent interference with moving parts.

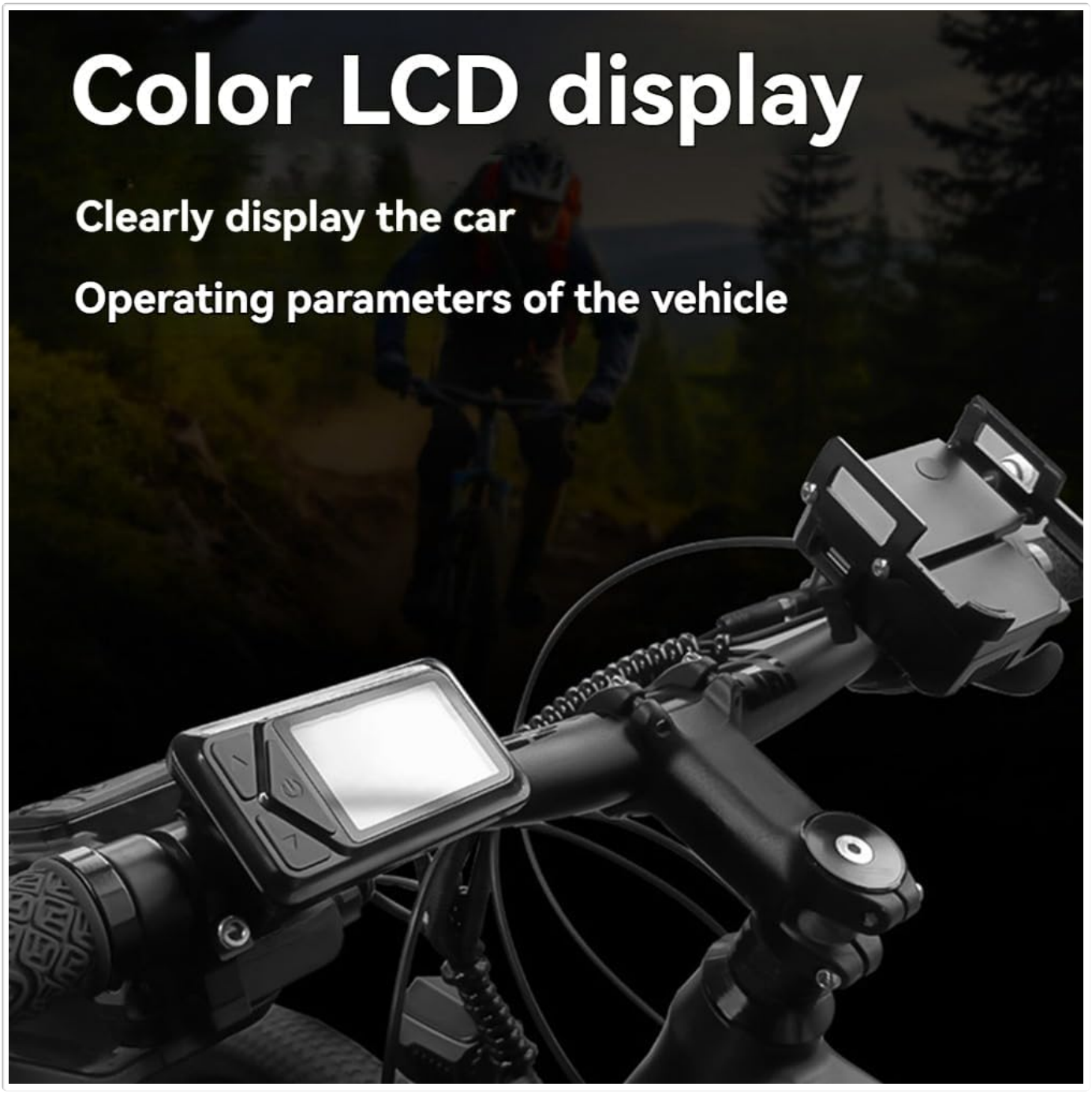


Figure 2.1: The E-03N display easily mounts onto standard e-bike handlebars, providing a clear view of operating parameters.



Figure 2.2: Detail showing the display's outlet for connection and the control buttons.

3. Operating Instructions

The E-03N display provides comprehensive information and control for your e-bike or scooter. Familiarize yourself with its buttons and indicators for optimal use.

Button Functions:

- **Power Button ( ):** Press and hold to turn the display on/off.
- **Up Button (▲):** Short press to adjust the acceleration gear (PAS level) upwards.
- **Down Button (▼):** Short press to adjust the acceleration gear (PAS level) downwards.

- **Warning Light Activation:** Long press the Up or Down button for 3 seconds to activate the red and blue warning lights (if equipped).

Display Indicators:

The LCD screen provides real-time data and status indicators:



Figure 3.1: Comprehensive overview of the E-03N display's various indicators and their meanings.

- **Battery Power Display:** Shows the current battery charge level.
- **Speed Display:** Indicates current riding speed (km/h or MPH).
- **Mileage:** Displays TIME (trip duration), TRIP (current trip distance), and ODO (total odometer reading).
- **PAS (Pedal Assist System) Level:** Shows the current level of pedal assistance.
- **Light Indication:** Icon illuminates when the e-bike's lights are active.
- **NFC Signal Display:** Indicates NFC card induction unlocking status (if applicable).
- **Cruise Mode Indication:** Icon illuminates when cruise mode is active.

- **Error Indicators:** Icons for Controller Failure, Motor Fault Indication, and Acceleration Handle Failure will appear if issues are detected.



Figure 3.2: The E-03N display supports NFC card induction for unlocking and features integrated warning lights.

4. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Vernijtrdy E-03N display.

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the screen or casing.
- **Water Exposure:** While the display is waterproof (IPX5 rated), avoid submerging it in water or exposing it to high-pressure water jets.
- **Storage:** When not in use for extended periods, store the e-bike in a dry, cool place away from direct sunlight.

- **Connections:** Periodically check the SM plug connection to ensure it remains secure and free from corrosion.

5. Troubleshooting

If you encounter issues with your E-03N display, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display does not turn on	Loose connection, no power from battery, faulty display.	Check SM plug connection. Ensure e-bike battery is charged and connected. If problem persists, contact support.
Error icon (Controller/Motor/Acceleration) displayed	Indicates a fault with the respective component.	Consult your e-bike's main manual for specific error code meanings. Check connections to the controller, motor, or acceleration handle. If unresolved, seek professional assistance.
Inaccurate speed/mileage reading	Incorrect wheel circumference setting (if adjustable), sensor issue.	Refer to your e-bike's controller manual for display settings. Check speed sensor for damage or misalignment.

For issues not listed here, or if solutions do not resolve the problem, please contact Vernijtrdy customer support.

6. Specifications

Detailed technical specifications for the Vernijtrdy E-03N LCD Display:

Attribute	Value
Brand	Vernijtrdy
Model	E-03N
Voltage Compatibility	36V, 48V, 60V
Connector Type	5 Pin SM Plug
Color	Black
Material	ABS
Product Dimensions	15 x 12 x 8 cm

Attribute	Value
Item Weight	169 g
Manufacturer Reference	500790579
ASIN	B0DWMY66FY

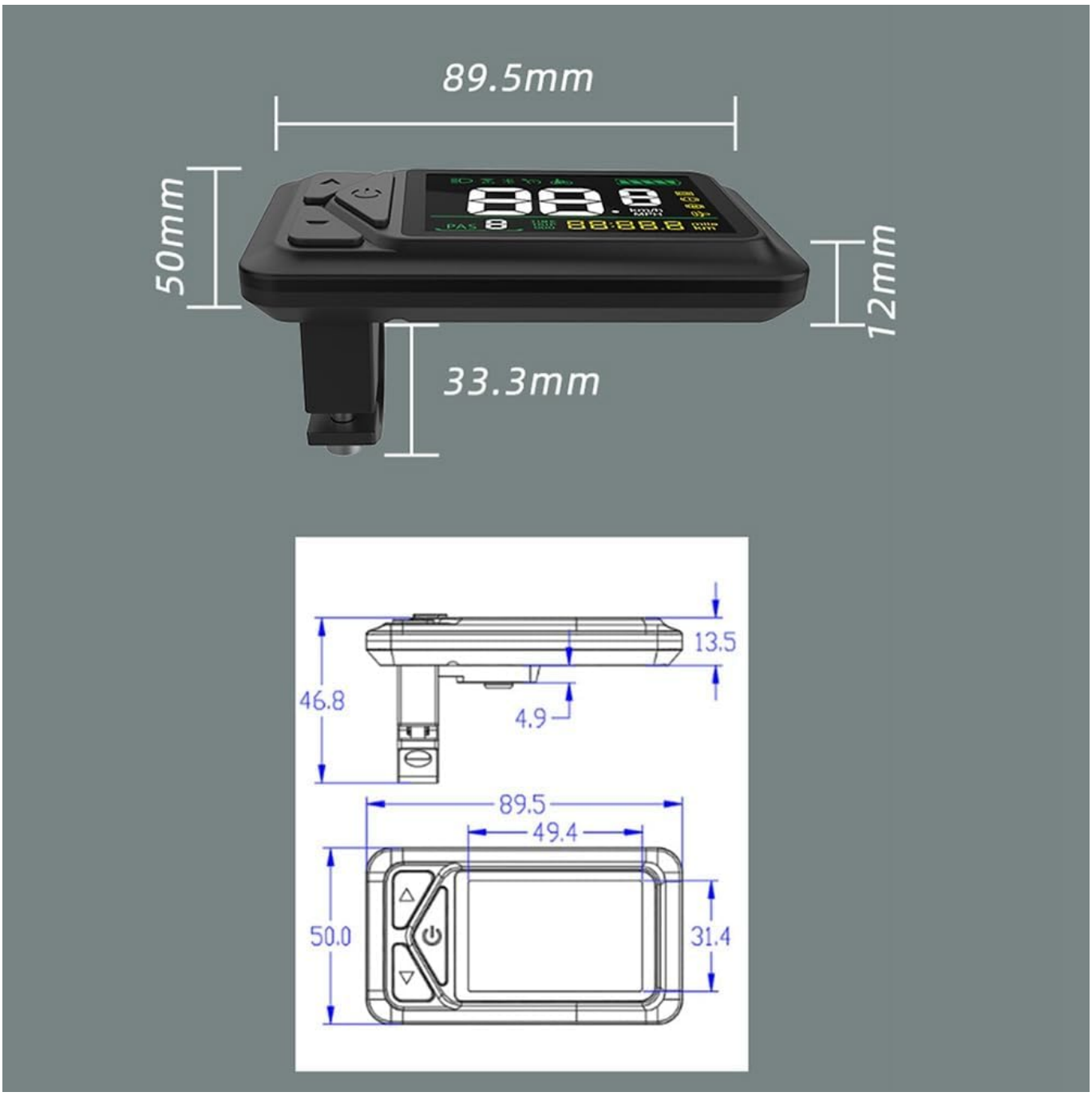


Figure 6.1: Detailed dimensions of the E-03N display (89.5mm x 50mm x 12mm).

7. Warranty and Support

Specific warranty details for the Vernijtrdy E-03N LCD Display are not provided in this manual. For warranty claims,

technical support, or further inquiries, please contact the retailer or the manufacturer directly.

Manufacturer: Vernijtrdy

Date First Available: Feb. 10 2025

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