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› HUDAMZKY KT-LCD7C Ebike Color Screen Display Meter User Manual

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Brand: HUDAMZKY | Model: KT-LCD7C

INTRODUCTION

This user manual provides comprehensive instructions for the HUDAMZKY KT-LCD7C Ebike Color Screen Display Meter. Designed for electric bicycles, this display offers essential riding data and customizable settings to enhance your ebike experience. Please read this manual thoroughly before installation and operation to ensure proper use and safety.

IMPORTANT COMPATIBILITY NOTE

The KT-LCD7C display is specifically designed to be compatible only with KT (KUNTENG) brand controllers. Before purchasing or installing, it is crucial to verify that your ebike's controller is a KT brand controller. Using this display with non-KT controllers may result in malfunction or damage.

PLEASE CONFIRM FIRST!



KT (kunteng) Controller

→ **MATCH**

KT (kunteng) Display

Model: **KT36/48ZWSR-ff01**

Please carefully check whether there is **KT logo**

on your controller, as shown in the figure above!

If not, please do not buy because your E-bike

may not be able to use our display!



Figure 1: Compatibility check for KT controller and display. Ensure your controller bears the KT logo for proper function.

PRODUCT OVERVIEW

The HUDAMZKY KT-LCD7C is a color smart display featuring a TFT color LCD screen for clear visibility. It is compatible with 24V, 36V, 48V, and 52V systems, automatically identifying your lithium battery voltage. The display is designed for left-hand handlebar mounting, allowing for easy operation while riding.

Key Features:

- **Voltage Compatibility:** 24V, 36V, 48V, 52V (automatic identification).
- **Display Type:** TFT Color LCD screen.
- **Mounting:** Handlebar mount (Φ22.2mm grip size).
- **Data Display:** Riding speed, single mileage, accumulated mileage, riding time, power-assisted gear, motor power and temperature, battery voltage and charging status, braking status, and ambient temperature.
- **Parameter Modification:** Supports adjustment of P parameters and C parameters for fine-tuning performance, including PAS (Pedal Assist System) settings.



Figure 2: Front view of the KT-LCD7C display, highlighting its color screen and user interface.

SPECIFICATIONS

Feature	Specification
Brand	HUDAMZKY
Model	KT-LCD7C
Voltage Compatibility	24V, 36V, 48V, 52V
Color	Black (Green Plug for Waterproof version)
Item Weight	250 Grams
Display Type	TFT LCD Color Screen
Display Resolution	240x300
Sensor Type	Speed Sensor
Connectivity Technology	USB
Mounting Type	Handlebar Mount (Φ22.2mm)
Human Interface Input	Buttons

Monitor Cable Length (WP)	Approx. 21 cm (requires 1-to-4 cable for controller connection)
Monitor Cable Length (SM)	Approx. 180 cm

KT-LCD 7C Dimensions



Figure 3: KT-LCD7C display dimensions and key specifications.

INSTALLATION

- Mounting the Display:** Securely attach the KT-LCD7C display to your ebike's handlebar. The display features removable screws for easy installation without needing to remove other accessories. The grip size is designed for $\Phi 22.2\text{mm}$ handlebars.
- Connecting the Cables:**
 - If you have the **Waterproof (WP) Green Plug** version (approx. 21 cm cable), a 1-to-4 bus cable is required to connect the display to your KT controller.
 - If you have the **SM Plug** version (approx. 180 cm cable), it can typically connect directly to the controller.

Ensure all connections are firm and secure.

Removable screws for easy installation

It is easy to install without removing other accessories. Fully functional, high-definition LCD display, clear display in the sun.



Figure 4: Removable screws facilitate easy installation of the display.

Two Plugs Optional

The brand of this display is KT, it only matches the KT controller



5Pin WP Plug



5Pin SM Plug

Figure 5: Two plug options: 5Pin WP (Waterproof) and 5Pin SM. The WP plug requires a 1-to-4 cable.

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Video 1: Demonstration of connecting the LCD7C Waterproof Plug to a controller setup, highlighting the use of a 1-to-4 cable.

OPERATING INSTRUCTIONS

1. **Power On/Off:** Long press the power button (usually the middle button) to turn the display on or off.
2. **Adjusting Assist Level:** Use the UP (▲) and DOWN (▼) buttons to adjust the power-assisted gear level (PAS).
3. **Turning on Lights:** Long press the UP (▲) button to turn on the ebike's lights (if connected and supported by the controller).
4. **Viewing Data:** Press the power button briefly to cycle through various display parameters such as speed, mileage, battery voltage, and more.

KT-LCD 7C Installation



Figure 6: Overview of display functions and button controls.

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Video 2: Demonstration of basic display operation, including power on/off and cycling through information screens.

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Video 3: Overview of the KT-LCD7C display's features and how it presents various ebike data.

PARAMETER SETTINGS (P AND C PARAMETERS)

The KT-LCD7C display allows for advanced customization through P (Power) and C (Custom) parameters. These settings enable you to fine-tune various aspects of your ebike's performance, such as speed limits, wheel size, and PAS sensitivity.

Accessing Settings:

1. To enter the parameter modification page, long press the UP (▲) and DOWN (▼) buttons simultaneously for a few seconds while the display is on.
2. Use the UP (▲) and DOWN (▼) buttons to navigate through the settings.

3. Press the power button (middle button) to select a parameter for modification.
4. Use the UP (▲) and DOWN (▼) buttons to change the value.
5. Press the power button again to confirm the new value.
6. To exit the settings page, long press the power button.

Common Parameters:

- **Wheel Size:** Adjust to match your ebike's wheel diameter for accurate speed and mileage readings.
- **Speed Limit:** Set the maximum assisted speed.
- **Voltage:** Confirm the correct voltage setting (e.g., 24V, 36V, 48V).
- **PAS Setting (C1 Parameter):** This is crucial for pedal assist functionality. If your PAS has 10 or 12 magnetic points, you may need to adjust the C1 parameter for optimal performance. Refer to online video tutorials or contact support for specific guidance on C parameter adjustments.

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Video 4: Detailed guide on accessing and modifying advanced settings, including P and C parameters, for the KT-LCD7C display.

TROUBLESHOOTING

- **Display Not Powering On:**
 - Ensure the display cable is securely connected to the controller.
 - Verify that your ebike battery is charged and properly connected.
 - Confirm that your controller is a KT brand controller, as this display is only compatible with KT controllers.
- **Incorrect Speed/Mileage Readings:**
 - Check the wheel size setting in the display's parameters and adjust it to match your ebike's wheel diameter.
 - Ensure the speed sensor is correctly installed and functioning.
- **PAS (Pedal Assist System) Not Working or Incorrectly:**
 - Verify the C1 parameter setting. If your PAS has 10 or 12 magnetic points, adjust C1 accordingly.
 - Ensure the PAS sensor is correctly installed and aligned.
- **Display Not Waterproof (for WP version):**
 - While the WP plug is designed for water resistance, the display itself may not be fully submersible. Avoid exposing the display to heavy rain or direct water jets.
 - Ensure all connections are tightly sealed.

For further assistance, refer to online video tutorials or contact HUDAMZKY customer support.

WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the documentation included with your purchase or contact HUDAMZKY customer service directly. Ensure you have your product model number (KT-LCD7C) and purchase details available when seeking support.

