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mGYDY KT-LCD4

mGYDY KT-LCD4 Ebike LCD Display Mini Meter Control Panel User Manual

Model: KT-LCD4

1. INTRODUCTION

This manual provides instructions for the mGYDY KT-LCD4 Ebike LCD Display Mini Meter Control Panel. This display is designed to provide essential cycling data and control functions for electric bicycles equipped with a compatible KT series controller.

Important Compatibility Note:

The KT-LCD4 display is exclusively compatible with KT series controllers. It will not function with controllers from other manufacturers. Please verify that your ebike's controller is a KT series model before attempting installation or operation. This display requires connection via a 5-pin communication cable (not included in all packages).

2. SETUP AND INSTALLATION

2.1 Compatibility Check

Before installation, ensure your ebike controller is a KT (Kunteng) series controller. Look for a 'KT' logo or model number on your controller. The display will not operate with non-KT controllers.

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 2.1: Compatibility verification. This image illustrates the necessity of matching the KT-LCD4 display with a KT (Kunteng) series controller for proper function. Users should check their controller for the 'KT' logo.

2.2 Mounting the Display

The KT-LCD4 display is designed for handlebar mounting. It features removable screws for straightforward installation without requiring the removal of other handlebar accessories. The display is suitable for handlebars with a diameter of 22.2mm.

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 2.2: Easy installation feature. This image demonstrates the removable screws on the KT-LCD4 display, facilitating simple installation onto the ebike handlebar.

2.3 Electrical Connection

Connect the display to your KT series controller using a 5-pin waterproof (WP) or standard (SM) connector cable. The display automatically identifies and adapts to 24V, 36V, 48V, or 52V lithium battery systems.

3. OPERATING INSTRUCTIONS

3.1 Display Overview and Buttons

The KT-LCD4 features a compact design with clear data display and three control buttons:

- **SW Button (Power/Mode):** Used to power on/off the display and cycle through display modes.
- **UP Button:** Used to increase values, select options, or increase assist level.
- **DOWN Button:** Used to decrease values, select options, or decrease assist level.



Figure 3.1: Display functions and button layout. This image highlights the various indicators and control buttons on the KT-LCD4 display when mounted on an ebike handlebar.

3.2 Displayed Information

The display provides comprehensive riding data, including:

- Riding speed (current, average, maximum)
- Single trip mileage (DST) and accumulated total mileage (ODO)
- Riding time
- Power-assisted gear (PAS level)
- Motor power and temperature
- Battery voltage and charging status
- Braking status
- Working environment temperature
- 6Km/h power promotion function
- Cruise control function (CRU)
- Night driving mode (backlight and headlights)
- Automatic prompt function (e.g., error codes)

— PRODUCT SIZE —



Figure 3.2: Detailed display elements and button functions. This diagram provides a comprehensive breakdown of all indicators and controls on the KT-LCD4 display.

3.3 Parameter Settings

The KT-LCD4 display allows for user-adjustable parameters (P and C parameters) to optimize performance for different ebike configurations. These settings can adjust motor parameters, speed measurement, speed limits, battery parameters, assistance control, and controller minimum voltage/maximum current. For example, if your Pedal Assist System (PAS) has 10 or 12 magnetic points, you can achieve a precise match by modifying the C parameters.

4. MAINTENANCE

The KT-LCD4 display is constructed from durable plastic materials and is waterproof to IP56 standards, offering protection against dust and water splashes. To maintain its condition:

- Clean the display screen with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- Ensure all connections remain secure and free from corrosion.
- Avoid exposing the display to extreme temperatures or direct sunlight for prolonged periods.

5. TROUBLESHOOTING

If you encounter issues with your KT-LCD4 display, consider the following:

- **Display Not Powering On:** Verify that the display is correctly connected to a compatible KT series controller and that the ebike's battery is charged and connected.
- **Incorrect Readings:** Check parameter settings (P and C parameters) to ensure they are configured correctly for your ebike's specifications, especially wheel diameter and PAS sensor type.
- **Error Codes:** The display may show error codes. Refer to your KT controller's manual or contact support for specific error code interpretations.
- **Incompatibility:** Reconfirm that both your controller and display are KT series. Incompatibility is a common reason for non-functionality.

For detailed tutorials on parameter settings or further assistance, please contact mGYDY customer support.

6. SPECIFICATIONS

Feature	Specification
Model	KT-LCD4 Display
Material	Plastic
Color	Black
Weight	Approximately 167g
Voltage Compatibility	24V / 36V / 48V / 52V (Automatic Identification)
Connector Type	5-Pin SM Plug / WP Plug
SM Cable Length	180cm
WP Cable Length	25cm
Handlebar Diameter	22.2mm
Dimensions (Approx.)	55mm (Height) x 40mm (Width) x 23mm (Depth)
Waterproof Rating	IP56
Compatible Controller	KT Controller Series
Intended Use	Mountain Bikes, Road Bicycles



1		SW Button	9	DST	Trip distance
2		UP Button		ODO	Total distance
3		DOWN Button	10		Backlight and headlights
4		Battery capacity indicator	11	PAS	Pas level
5	THROTTLE	Run sign	12	MXS	MAX speed
6		6Km/H push power assist	13	KM/H	Riding speed(metric)
7		The brake display	14	VOL	Battery voltage
8	CRU	CRUISE display	15	KM	Distance(metric)

Figure 6.1: Product parameters. This image provides a summary of the KT-LCD4 display's key specifications.

— PRODUCT PARAMETER —



Type	KT LCD4 Display	Plug 1	5Pin WP Plug
Color	Black	Plug 2	5Pin SM Plug
Line length	1800mm(sm) 250mm(wp)	Voltage	24V/36V/48V
		Material	Plastic
Weight	200g	Adaptation Type	KT Controller

Figure 6.2: Product dimensions. This image illustrates the physical measurements of the KT-LCD4 display.

7. SUPPORT

For further assistance, detailed tutorials on parameter settings, or any technical inquiries, please contact mGYDY customer support. Refer to the product packaging or purchase platform for contact information.

 User Manual KT-LCD3 eBike Special Meter	<p>KT-LCD3 eBike Special Meter User Manual</p> <p>Comprehensive user manual for the KT-LCD3 eBike Special Meter, detailing installation, operation, display functions, and extensive parameter settings for electric bicycle systems. Covers setup, troubleshooting, and advanced configurations.</p>
 用户手册 KT-LCD5 eBike Special Meter	<p>KT-LCD5 eBike Special Meter User Manual</p> <p>Comprehensive user manual for the KT-LCD5 eBike Special Meter, detailing installation, operation, display functions, parameter settings, and troubleshooting for electric bicycles.</p>
 用户手册 KT-LCD2 eBike Special Meter	<p>KT-LCD2 eBike Special Meter User Manual</p> <p>Comprehensive user manual for the Kunteng Electronic KT-LCD2 eBike Special Meter. This guide provides detailed instructions on installation, operation, function overview, display interpretation, button controls, and advanced parameter settings for electric bicycle systems.</p>
 用户手册 KT-LCD3 eBike Special Meter	<p>KT-LCD3 eBike Special Meter User Manual</p> <p>User manual for the Kunteng KT-LCD3 eBike Special Meter, detailing installation, operation, display functions, and parameter settings for electric bicycles.</p>
 KT In-Line Power Meter KT70702 User Manual	<p>KT In-Line Power Meter KT70702 User Manual</p> <p>User manual for the KT In-Line Power Meter (Model KT70702) by KT Solar. This device provides real-time readings of volts, amps, watts, and battery percentage for 12/24/48V systems, ideal for solar, marine, and caravan applications. Includes specifications, features, connection examples, and warranty information.</p>
 用户手册 KT-LCD4 E-Bike Special Meter	<p>KT-LCD4 E-Bike Special Meter User Manual</p> <p>User manual for the KT-LCD4 E-Bike Special Meter, detailing its functions, installation, operation, and parameter settings for electric bicycles.</p>