Bafang DZ47

BAFANG Ebike Display DZ47 User Manual

Model: DZ47 | Brand: Bafang

INTRODUCTION

This user manual provides essential information for the installation, operation, and maintenance of your BAFANG Ebike Display, model DZ47. This display is designed to work seamlessly with specific BAFANG mid-drive motors using the CAN protocol, enhancing your e-bike riding experience by providing crucial data at a glance.

Important Compatibility Note: This display utilizes the CAN protocol. It is not compatible with UART protocol motors (which typically have a 5-pin circular connector). Attempting to use adapter cables or modifying connectors will not resolve compatibility issues. Always verify your motor's connector type before purchase and installation.

PRODUCT FEATURES

- **Display Type:** 2.2-inch high brightness segmented LCD screen.
- **Material:** Durable ABS shell with a glass window panel.
- **Waterproof Rating:** IPX5, ensuring reliable performance in light to moderate rain.
- **PAS Levels:** Supports 0-3, 0-5, or 0-9 Pedal Assist System levels.
- **Compatibility:** Specifically designed for BAFANG BBS motor NEWEST (CAN version) / M620 / M600 / M560 / M510 / M420 mid-drive motors. Compatible with DC 24V/36V/48V systems.
- **Mounting:** Handlebar mount, suitable for 22mm diameter handlebars.
- **Interface:** Intuitive button controls for easy navigation.

Image: Key features of the BAFANG DZ47 display, highlighting its screen size, PAS levels, and waterproof capabilities.

PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged:

- BAFANG DZ47 Ebike Display Unit
- Remote Control (pre-connected via cable)
- Mounting Brackets for Handlebar (with reduction inserts for various diameters)
- Mounting Screws
- Rubber Gasket for Remote Control (to prevent slipping)

Image: The BAFANG DZ47 display unit shown with its accompanying remote control, which is connected via a cable.

SETUP AND INSTALLATION

Follow these steps to properly install your BAFANG DZ47 Ebike Display:

1. **Mount the Display:**

   - Position the display's mounting bracket on your e-bike's handlebar. The bracket is designed for a 22mm diameter.
   - If your handlebar has a smaller diameter, use the provided reduction inserts to ensure a snug fit.
   - Secure the bracket using the supplied screws. Ensure the display is firmly attached and does not rotate freely.

2. **Mount the Remote Control:**

   - Attach the remote control's bracket to a convenient location on your handlebar, typically near the left grip.
   - Use the rubber gasket to prevent the remote from slipping or rotating.
   - Secure the remote control with its screw.

3. **Connect to Motor:**

   - Locate the 5-pin male triangular CAN protocol connector on your e-bike's wiring harness.
   - Carefully align and connect the display's cable to this connector. Ensure a secure and proper connection.
   - **Warning:** Do not attempt to connect to UART protocol motors (5-pin female round connector) as this will cause incompatibility and potential damage.

Image: The BAFANG DZ47 display installed on an e-bike handlebar, showing its integrated design and the connection cable.
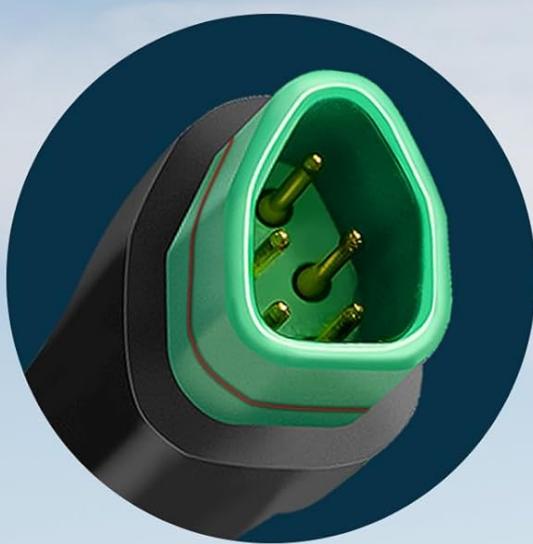
Image: A detailed view of the CAN version connector for the BAFANG DZ47 display, emphasizing its unique 5-pin male triangular shape.

OPERATION

The BAFANG DZ47 display provides intuitive control and information during your ride:

- **Power On/Off:** Use the designated button on the remote control to power the display on or off.
- **PAS Level Adjustment:** Use the '+' and '-' buttons on the remote to cycle through the Pedal Assist System levels (0-3, 0-5, or 0-9, depending on configuration).
- **Information Display:** The 2.2-inch LCD screen clearly shows real-time data such as:

  - Current Speed (Km/h)
  - Trip Distance (Km)
  - Battery Level Indicator
  - PAS Level
  - Headlight Indicator (if connected)

- **Menu Navigation:** The 'M' button on the remote allows you to access various settings and view additional data. Refer to the on-screen prompts for specific menu options.

Image: The BAFANG DZ47 display in operation, showing key riding metrics like speed, trip distance, battery charge, and current pedal assist level.

COMPATIBILITY

The BAFANG DZ47 display is designed for specific BAFANG mid-drive motors that use the CAN protocol. It is crucial to verify your motor's protocol and connector type before attempting installation.

- **Compatible Motors (CAN Protocol):**
  - BAFANG BBS motor NEWEST (CAN version)
  - BAFANG M620
  - BAFANG M600
  - BAFANG M560

- BAFANG M510
- BAFANG M420

- **Incompatible Motors (UART Protocol):**

  - BAFANG BBS Series Motor (UART Version)
  - Any motor with a 5-pin female round connector
  - Other brand motors (e.g., H400)
  - Other BAFANG Hub Motors

- **Connector Type:** The display requires a 5-pin male triangular connector (CAN protocol). Ensure your e-bike's 1T4 cable has a matching 5-pin female triangular connector.

Image: A visual guide illustrating the difference between compatible CAN protocol connectors (5-pin male triangular) and incompatible UART protocol connectors (5-pin female round) for the BAFANG DZ47 display.

SPECIFICATIONS

| Feature	Specification
Model	DZ47 Display
Display Size	2.2 Inches
Display Type	LCD
Material	ABS (shell), Glass (panel)
Waterproof Rating	IPX5
Compatibility Protocol	CAN Protocol
Voltage Compatibility	DC 24V/36V/48V
Mounting Type	Handlebar Mount (22mm diameter)
Item Weight	200 Grams
Package Dimensions	15 x 10 x 10 cm

PRODUCT DIMENSIONS
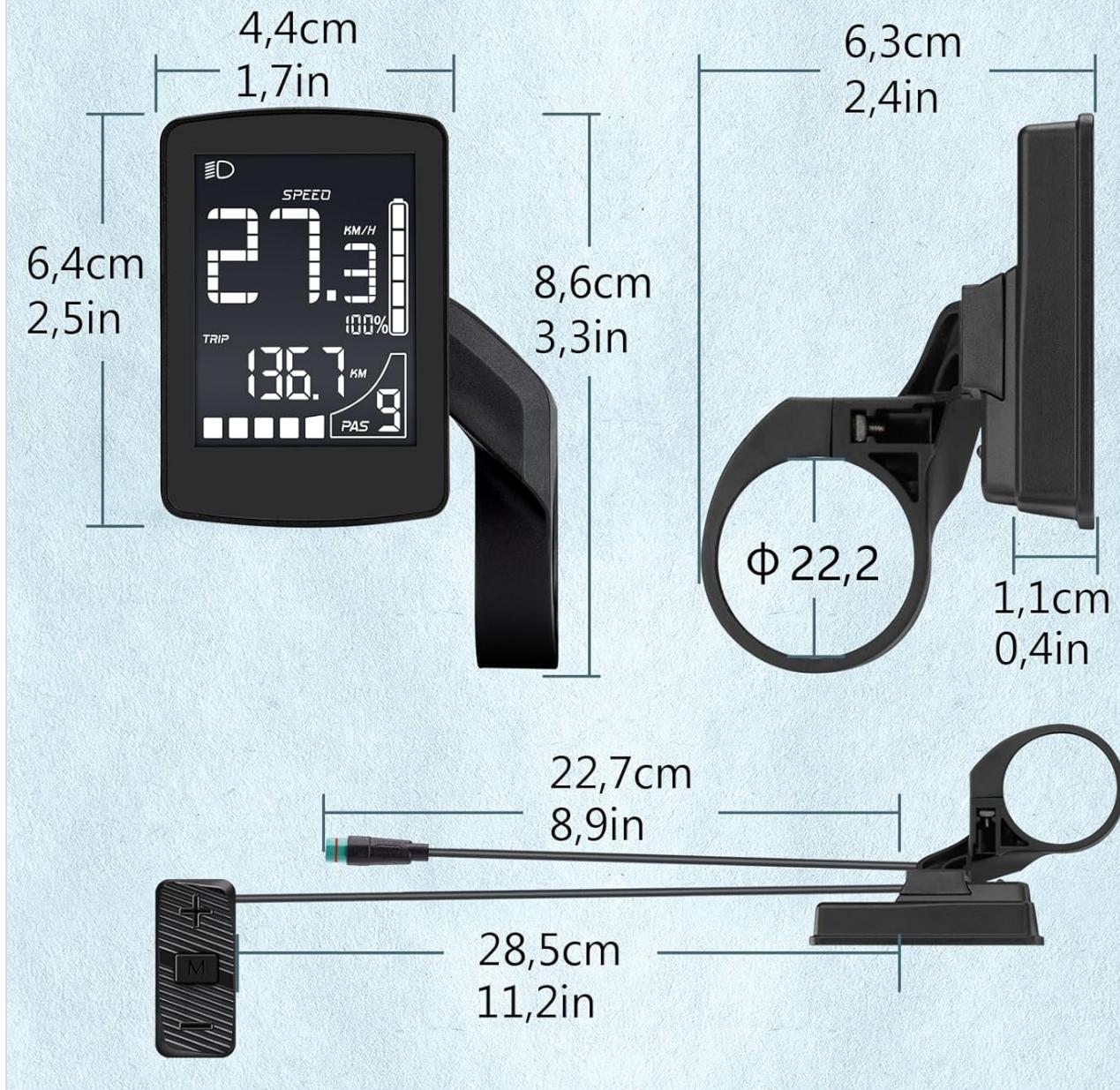
Image: Detailed product dimensions of the BAFANG DZ47 display, including screen size and mounting bracket measurements.

MAINTENANCE

To ensure the longevity and optimal performance of your BAFANG DZ47 display, follow these maintenance guidelines:

- **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 IPX5 waterproof, avoid submerging it in water or exposing it to high-pressure water jets. Dry the display thoroughly if it gets wet.
- **Storage:** When not in use for extended periods, store the e-bike and display in a dry, cool place away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Periodically check all cables and connectors for any signs of wear, fraying, or damage. Ensure connections remain secure.

TROUBLESHOOTING

If you encounter issues with your BAFANG DZ47 display, consider the following common solutions:

- **Display Not Powering On:**

  - Check the battery level of your e-bike.
  - Ensure all cable connections, especially the main display cable to the motor, are secure and fully seated.
  - Verify that the motor is compatible (CAN protocol, not UART).

- **Incorrect Speed/Distance Readings:**

  - Ensure the wheel speed sensor (if external) is properly aligned and clean.
  - Check the wheel circumference setting in the display's menu (if adjustable).

- **PAS Levels Not Changing:**

  - Ensure the remote control cable is securely connected to the display.
  - Check for any physical damage to the remote control buttons.

- **Display Shows Error Code:**

  - Consult your e-bike's motor manual for specific error code interpretations, as display error codes often relate to the motor system.
  - If the issue persists, contact Bafang customer support.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your e-bike or contact Bafang directly through their official website or authorized distributors. Keep your purchase receipt as proof of purchase for warranty claims.
Manufacturer: BAFANG
Item Model Number: DZ47 Display
ASIN: B0DHV2RK4S

DZ47-CAN

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24081603200013

Image: Side of the product packaging displaying the model number "DZ47-CAN" and a QR code, along with a batch number "24081603200013".

ASIN B0DHV2RK4S

MADE IN CHINA

BAFANG Ebike Display DZ47...CAN Protokoll

CE

X00251T1UD

FR

Cet appareil
se recycle

À DÉPOSER
EN MAGASIN

À DÉPOSER
EM DÉCHETERIE

BOÎTE
À DEPOSER DANS
LE BAC DE TRI

BAC
DE
TRI

| EU | REP |

eVatmaster Consulting GmbH
Bettinastr. 30
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contact@evatmaster.com
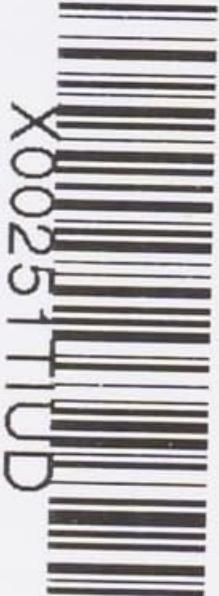
Product Display

Model:DZ47

Manufactuer:Ying Te Li Ke Chuang Fa

Zhan Wu Xi co., Ltd

Address:Xi Shan Jing Ji ji Shu Kai Fa Qu

Tong Yun Lu 69 Hao

Jiangsu Wuxi 214000
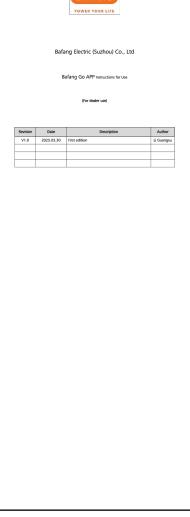
China +8617315531929

Date of Manufactuer:10/31/2024

Batch:KC20241031

Image: Product packaging with manufacturing details, including the ASIN B0DHV2RK4S and information about the manufacturer, BAFANG.

Related Documents - DZ47

	[Bafang E-Bike Drive Systems Workbook 2024](#) Comprehensive guide to Bafang's e-bike drive systems, including motors, gear hubs, HMIs, batteries, sensors, controllers, and accessories. Features Bafang GO+ and Bafang IOT smart connectivity solutions, and the BESST Pro service tool.
	[BAFANG 2021 Workbook: Comprehensive E-Bike Systems and Components Guide](#) Explore BAFANG's 2021 Workbook detailing a wide range of e-bike drive systems, motors, batteries, controllers, and accessories for various applications including eMTB, eRoad, eCity, and eCargo.
	[BAFANG M510 Mid Motor User Manual and Installation Guide](#) Comprehensive user manual for the BAFANG M510 Mid Motor, covering specifications, installation procedures, maintenance, and troubleshooting for electric bicycles.
	[Bafang E-Bike Drive Systems Workbook 2025](#) Comprehensive workbook detailing Bafang's 2025 e-bike drive systems, including motors, HMIs, batteries, sensors, controllers, and accessories for various e-bike types like MTB, Road, City, Tour, Cargo, and Fat.
	[Bafang Go APP: User Instructions and Guide](#) Comprehensive instructions for using the Bafang Go APP, covering features like eBike connection, ride tracking, settings customization, and technical support. Designed for optimal user experience and SEO.

WORKBOOK 2026
MTB | ROAD | CITY | TOUR | CARGO | FAT
E-BIKE DRIVE SYSTEMS
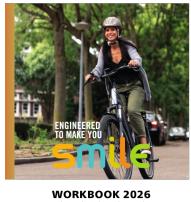
[BAFANG E-Bike Drive Systems Workbook 2026: Comprehensive Product Catalog](#)
Explore BAFANG's 2026 e-bike drive systems, including mid-drive motors, hub motors, batteries, HMIs, sensors, controllers, and accessories. This workbook details specifications for MTB, Road, City, Tour, Cargo, and Fat e-bikes, offering a complete overview of BAFANG's e-mobility solutions.