

BAFANG C965

BAFANG C965 LCD Display User Manual

For E-Bike Mid Drive Motors

1. INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your BAFANG C965 LCD Display. This display is designed for use with Bafang Mid Drive motors that utilize the UART communication protocol. Please read this manual thoroughly before using the product to ensure safe and correct operation.

The BAFANG C965 LCD Display offers essential information for your electric bicycle, including speed, battery level, assistance level (PAS), and trip data, enhancing your riding experience.

2. SAFETY INFORMATION

- Always ensure the display is securely mounted and all cables are properly connected before riding.
- Do not attempt to open or modify the display unit. This may void the warranty and cause damage.
- Keep the display screen clean and free from obstructions to ensure clear visibility of information.
- Avoid exposing the display to extreme temperatures or direct sunlight for prolonged periods.
- In case of malfunction, refer to the troubleshooting section or contact Bafang support.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- BAFANG C965 LCD Display Unit
- Handlebar Mounting Bracket
- Control Button Unit
- User Manual (this document)

4. SETUP AND INSTALLATION

Follow these steps to install your BAFANG C965 LCD Display:

1. **Mounting the Display:** Attach the handlebar mounting bracket to your bicycle's handlebar. The bracket is compatible with handlebar diameters of 22.2mm, 25.4mm, and 31.8mm. Secure the C965 display unit into the bracket.
2. **Connecting Cables:** Connect the 5-pin female connector from the display unit to the corresponding male connector on your Bafang Mid Drive motor system. Ensure the connection is firm and secure.
3. **Mounting Control Buttons:** Position the external control button unit on your handlebar within easy reach. Connect its cable to the display unit.



Figure 1: Bafang C965 LCD display unit with cables and mounting bracket.



Figure 2: Bafang C965 LCD display mounted on an e-bike handlebar.

5. OPERATING INSTRUCTIONS

Once installed, operate your BAFANG C965 LCD Display as follows:

- **Power On/Off:** Press and hold the power button on the external control unit to turn the display on or off.
- **Adjusting PAS Level:** Use the '+' and '-' buttons on the control unit to increase or decrease the Pedal Assist System (PAS) level.
- **Information Display:** The display cycles through various information screens. Use the 'M' (Mode) button to switch between different data views such as trip distance, total distance, average speed, max speed, and time.
- **Headlight Control:** If your e-bike system supports it, a dedicated button or a long press of a specific button (refer to your motor's manual) may control the headlights.

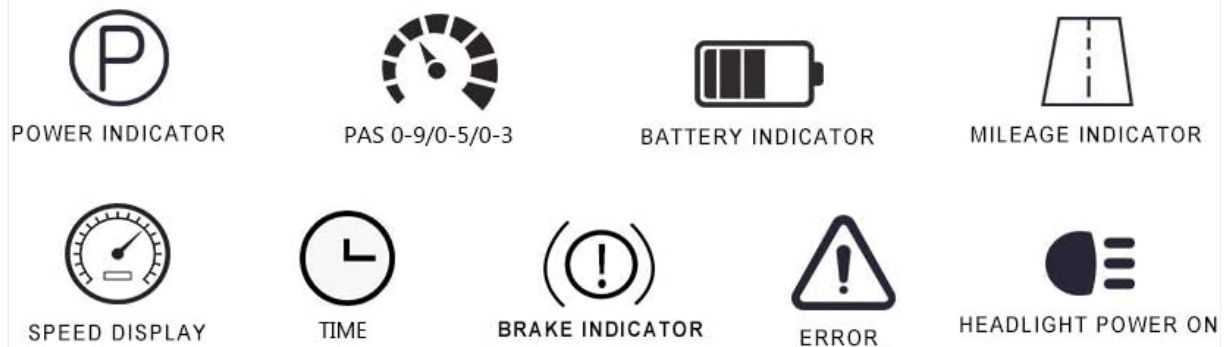


Figure 3: Bafang C965 LCD display showing active riding data.

6. DISPLAY FUNCTIONS AND INDICATORS

The C965 display provides various indicators and data points:

- **Speed Display:** Shows current speed, average speed (AVG), and maximum speed (MAX).
- **Battery Indicator:** Displays the remaining battery charge level.
- **PAS Level:** Indicates the current pedal assist level (0-9 or 0-3, depending on configuration).
- **Mileage Indicator:** Shows trip distance and total odometer reading.
- **Power Indicator:** Displays real-time motor power output.
- **Time:** Current time or trip duration.
- **Brake Indicator:** Illuminates when brakes are applied.
- **Error Indicator:** Displays error codes if a system fault occurs.
- **Headlight Power On:** Indicates when the e-bike's headlights are active.



Product: Bafang/8FUN C965 Display	Dimensions: 89mm*54mm/3.5in*2.16in
Waterproof: IP 65	Speed limit: 70km/h
36V/48V Battery Supply	Holder: 22.2mm/25.4mm/31.8mm
Operating Temperature: -20-60°C	Connector: 5 pin female
Indicator: Battery / Mileage / POWER / ERROR / LAMP / SPEED(AVG,MAX,Real-time) / TIME	

Figure 4: Bafang C965 LCD display icons and basic specifications.

7. MAINTENANCE

To ensure the longevity and optimal performance of your C965 display:

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Water Resistance:** The display has an IP65 waterproof rating, meaning it is protected against dust and low-pressure water jets. Avoid submerging the unit in water.
- **Temperature:** Operate the display within its specified temperature range of -20°C to 60°C.
- **Cable Inspection:** Periodically check all cables and connectors for signs of wear or damage.

8. TROUBLESHOOTING

If you encounter issues with your BAFANG C965 LCD Display, consider the following:

- **Display Not Turning On:**

- Ensure the e-bike battery is charged and properly connected.
- Check all cable connections between the display, control unit, and motor for looseness or damage.
- Verify the power button is pressed correctly.

- **Incorrect Speed/Distance Readings:**

- Check the speed sensor and magnet on your wheel for proper alignment and cleanliness.
- Ensure the wheel circumference setting in the display's advanced settings (if accessible) is correct.

- **Error Codes Displayed:**

- Refer to your Bafang motor's specific error code list for detailed explanations and solutions. Common issues include motor, controller, or sensor faults.
- Often, turning the system off and on again can clear temporary errors.

- **Buttons Not Responding:**

- Check the connection of the external control button unit to the display.
- Ensure buttons are not physically stuck.

If problems persist after attempting these steps, contact Bafang customer support or your authorized dealer for assistance.

9. SPECIFICATIONS

Feature	Specification
Model Number	C965
Display Type	LCD
Connectivity Technology	Wired
Sensor Type	Speed sensor, Voltage sensor
Mounting Type	Handlebar mount
Human Interface Input	Buttons
Waterproof Rating	IP65
Max Speed Limit	70 km/h
Battery Supply Voltage	36V/48V
Operating Temperature	-20°C to 60°C
Compatible Handlebar Diameter	22.2mm / 25.4mm / 31.8mm
Connector Type	5 pin female
Package Dimensions	9.65 x 9.4 x 9.4 cm

Package Weight	159 grams
UPC / GTIN	779296258319

10. WARRANTY AND SUPPORT

BAFANG products are typically covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for any warranty claims.

For technical support, warranty inquiries, or spare parts, please contact your original retailer or visit the official BAFANG website for customer service contact information.