BAFANG C010

BAFANG DPC18/C010 eBike Display User Manual

Model: C010

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your BAFANG DPC18/C010 eBike Display. Please read this manual thoroughly before using the product to ensure proper function and safety. The DPC18/C010 display is designed for BAFANG mid-drive motors, specifically M620, M600, M560, M510, and M420 models, utilizing the CAN-BUS protocol.

IMPORTANT SAFETY INFORMATION

- Always ensure the display is securely mounted before riding.
- Do not attempt to open or modify the display unit, as this may void the warranty and cause damage.
- Avoid prolonged exposure to direct sunlight or extreme temperatures.
- Keep the display clean and free from dirt and debris. Use a soft, damp cloth for cleaning.
- The display has an IPX7 waterproof rating, meaning it can withstand light to moderate rain. However, avoid submerging it in water.
- Always prioritize road safety. Do not operate display functions that distract you from riding.

PACKAGE CONTENTS

- BAFANG DPC18/C010 Display Unit
- Handlebar Mount
- Control Pad

PRODUCT OVERVIEW

The BAFANG DPC18/C010 is a 4.0-inch HD LCD eBike display designed to provide clear riding data and control for compatible BAFANG mid-drive motors. It features an automatic backlight, USB output for charging, and an IPX7 waterproof rating.

Figure 1: Overview of BAFANG DPC18/C010 display features, including 3 themes, 5V 1A USB-C output, walk assist, 6 languages, IPX7 waterproof, tempered glass, 480*800 pixel resolution, and auto headlamp function.
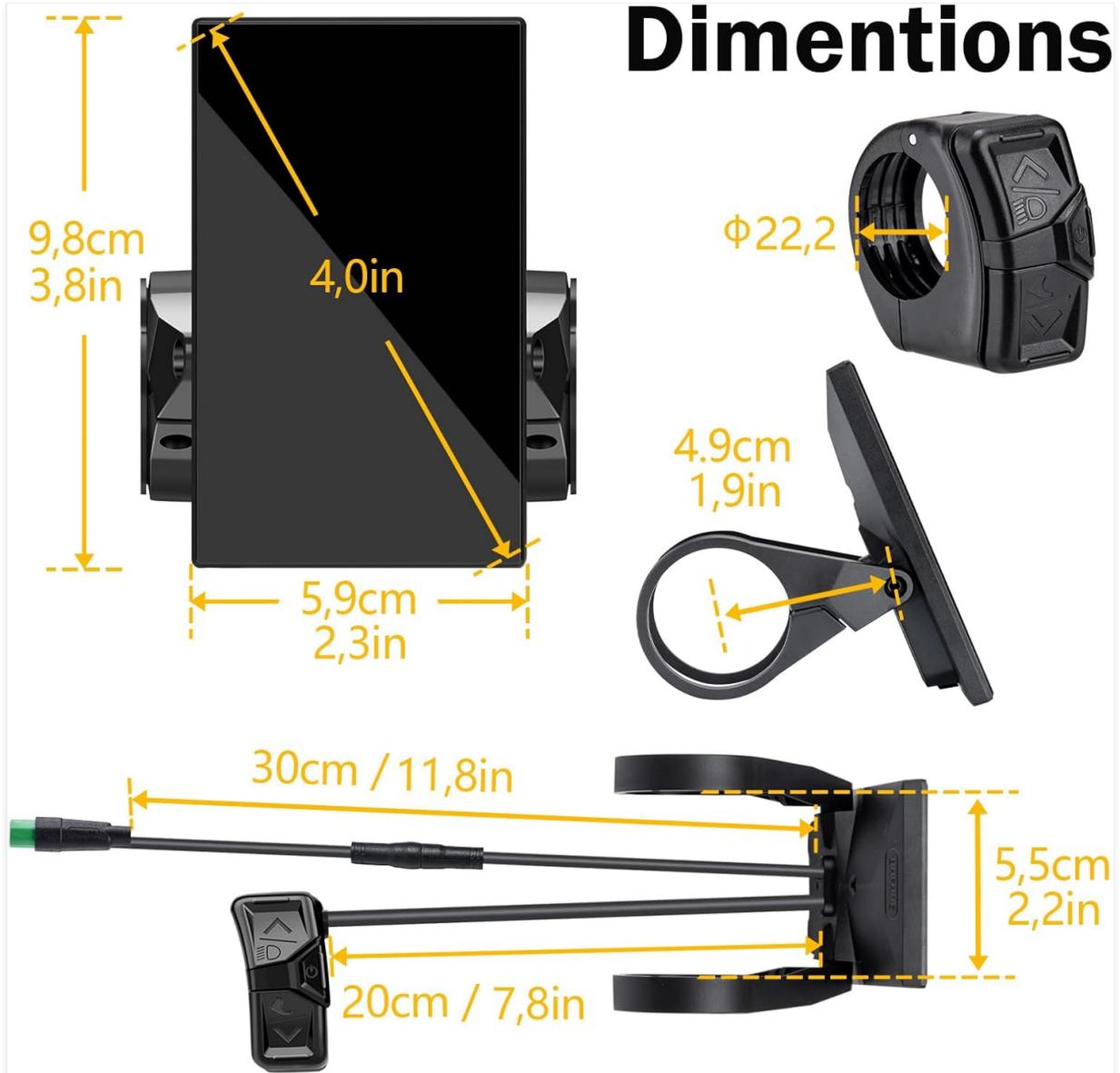
Figure 2: Detailed dimensions of the BAFANG DPC18/C010 display unit and its control pad, showing measurements in centimeters and inches.

SETUP

Compatibility

This display is compatible exclusively with BAFANG M620, M600, M560, M510, and M420 mid-drive motors that use the CAN-BUS protocol. It is not compatible with other BAFANG motors (e.g., BBS series, hub motors) or motors from other brands. Ensure your motor has a 5-pin male triangular connector for CAN-BUS protocol.

Figure 3: Visual guide illustrating the compatible CAN-BUS 5-pin male triangular connector and incompatible UART protocol round connector, along with compatible BAFANG mid-drive motors and incompatible hub motors or other brand motors.

Installation

1. Securely mount the display unit onto your eBike's handlebar using the provided mount.

2. Attach the control pad to a convenient location on the handlebar, ensuring easy access to its buttons.

3. Connect the display cable to the corresponding port on your BAFANG mid-drive motor. Ensure the 5-pin male triangular connector is correctly aligned and fully inserted.

4. Route and secure all cables to prevent interference with steering or moving parts.

OPERATING INSTRUCTIONS

Power On/Off

To power on the display, press and hold the power button on the control pad. To power off, press and hold the power button again.

Switching Assistance Modes

Press the "+" or "-" buttons on the control pad to cycle through different pedal assistance modes (e.g., OFF, ECO,

TOUR, SPORT, BOOST). The selected mode will be shown on the display.

Figure 4: Illustration of various pedal assist modes available on the BAFANG DPC18/C010 display, including OFF, COMFORT, TOUR+, BOOST, ECO, SPORT, and SPORT+.

Toggling Display Parameters

Briefly press the power button to toggle between different display parameters such as Odometer (ODO), Maximum Speed (MAX), Average Speed (AVG), Range, Calories (CAL), Cadence, and Cycling Time.

Accessing the Main Menu

To access the main menu, press the "+" and "-" buttons simultaneously. From here, you can adjust settings like screen brightness, auto-shutdown time, clock settings, and display themes.

Figure 5: Examples of the three available UI themes: Sporty, Technology, and Fashion, which can be selected from the

Advanced Settings

From the main menu, select "OTHERS" to access advanced settings. Here you can configure units (km/mile), trip reset, AL sensitivity, boot password, and reset password. You can also change the display language (English, Deutsch, Nederlands, Français, Italiano, Čeština).

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Video 1: Instructional video demonstrating the BAFANG C010 display settings, including power on/off, switching assistance modes, toggling parameters, and navigating the main menu for advanced configurations like unit and language selection.

MAINTENANCE

Cleaning

Wipe the display screen and body with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the screen or casing. Ensure the USB port cover is securely closed when not in use to maintain water resistance.

Water Resistance

The DPC18/C010 display features an IPX7 waterproof rating, providing protection against immersion in water up to 1 meter for 30 minutes. This ensures reliable operation in various weather conditions, including rain. However, it is not designed for prolonged underwater use.

Figure 6: The BAFANG DPC18/C010 display shown in a wet environment, highlighting its IPX7 waterproof rating and ultrasonic welding shell for durability against water.

TROUBLESHOOTING

- **Display Not Powering On:** Ensure the battery is charged and properly connected. Check all cable connections between the display and the motor for secure fit.

- **Incorrect Speed/Distance Readings:** Verify that the wheel circumference setting in the advanced settings is correct for your eBike.

- **Assistance Modes Not Changing:** Check the control pad connections. If the issue persists, try resetting the display settings.

- **Display Freezes or Malfunctions:** Power off the display and restart it. If the problem continues, perform a factory reset via the advanced settings (note: this will erase custom settings).

- **Error Codes:** Refer to the BAFANG motor manual for specific error code interpretations, as display error codes often relate to motor or sensor issues.

SPECIFICATIONS

Feature	Specification

Feature	Specification
Brand	BAFANG
Model Name	C010
Display Type	LCD
Screen Size	4 Inches
Item Weight	0.19 Kilograms
Material	Acrylic
Connectivity Technology	USB
Mounting Type	Handlebar Mount
Human Interface Input	Buttons
Waterproof Rating	IPX7

WARRANTY

This BAFANG DPC18/C010 display comes with a limited warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact BAFANG customer support. The warranty typically covers manufacturing defects under normal use.

SUPPORT

For technical assistance, troubleshooting, or further inquiries, please contact BAFANG customer support. You can often find contact information on the official BAFANG website or through your product retailer. Keep your purchase receipt and product model number handy when contacting support.