

SPORTARC DZ43

SPORTARC DZ43 Smart E-bike Display Instruction Manual

MODEL: DZ43

Brand: SPORTARC

INTRODUCTION

The SPORTARC DZ43 Smart E-bike Display is designed to provide essential information and control for your electric bicycle. This durable and practical LCD instrument features an IPX5 waterproof rating, an ABS shell, and a clear glass panel. It includes a removable mounting bracket and a convenient USB charging port, making it suitable for Bafang BBS01, BBS02, and BBSHD mid-drive motors.

This manual provides detailed instructions for the installation, operation, and maintenance of your DZ43 display to ensure optimal performance and longevity.

SETUP AND INSTALLATION

Follow these steps to properly install your SPORTARC DZ43 Smart E-bike Display:

- Mounting the Display:** Attach the display to your bicycle's handlebar using the provided removable mounting bracket. Ensure it is securely fastened and positioned for easy viewing while riding.
- Connecting to the Motor:** Connect the display's cable to the appropriate port on your Bafang BBS01, BBS02, or BBSHD mid-drive motor. Ensure the connection is firm and secure.
- Remote Control Installation:** Install the remote control unit on the handlebar within easy reach of your thumb. Connect its cable to the corresponding port on the main display unit.
- Cable Management:** Route all cables neatly and secure them with cable ties to prevent interference with

moving parts and to protect them from damage.

Removable mounting bracket design, USB charging port is suitable for eight party BBS01, BBS02, BBSHD middle motor



Image: The DZ43 display mounted on a handlebar, illustrating its position and the visible USB charging port for convenience.



Image: Overview of the DZ43 display, remote control, and their connecting cables, ready for installation.

OPERATING INSTRUCTIONS

The DZ43 display provides intuitive control and clear information during your ride. Familiarize yourself with its functions:



Image: Detailed view of the DZ43 display interface, highlighting speed display, electric quantity indication, gear display, mileage value, and button functions.

- **Power On/Off:** Press and hold the **Open key** (usually the power button) to turn the display on or off.
- **Mode Key:** Press the **Mode key** to cycle through different display modes or information screens (e.g., Odometer, Trip Distance, Max Speed, Average Speed).
- **"+" Button:** Use the **"+" button** to increase the assistance level or navigate upwards in menus.
- **"-" Button:** Use the **"-" button** to decrease the assistance level or navigate downwards in menus.
- **Speed Display:** Shows your current riding speed in km/h or mph.
- **Electric Quantity Indication:** Displays the remaining battery charge level.
- **Gear Display:** Indicates the current pedal assist level (PAS).
- **Mileage Value:** Shows trip distance or total odometer reading, depending on the selected mode.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your DZ43 display:

- **Cleaning:** Due to its IPX5 waterproof rating, the display can withstand splashes. Clean the screen and casing with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the display or casing.
- **Inspection:** Regularly check all connections to ensure they are secure and free from corrosion or damage.
- **Storage:** When not in use for extended periods, store the e-bike and display in a dry, temperate environment.



IPX5 waterproof capability, shell material is ABS, panel is glass window

Image: The rear view of the DZ43 display, illustrating its robust design and IPX5 waterproof capability.

TROUBLESHOOTING

If you encounter issues with your DZ43 display, consider the following common solutions:

- **Display Not Turning On:**
 - Ensure the e-bike battery is charged and properly connected.
 - Check all cable connections between the display and the motor for looseness or damage.
- **Incorrect Speed Reading:**
 - Verify that the speed sensor is correctly installed and aligned.
 - Check for any obstructions or damage to the speed sensor or its magnet.
- **Buttons Not Responding:**

- Ensure the remote control unit is securely connected.
- Clean around the buttons to remove any dirt or debris that might be causing sticking.

For persistent issues, please refer to the warranty and support information.

PRODUCT SPECIFICATIONS



Name: DZ43 LCD instrument	Rated current: 42mA
Color: Black	Waterproof class: IPX5
Voltage: 24V,36V,48V	Weight :215g

Image: Technical drawing showing the dimensions of the DZ43 display and its remote control unit.

Feature	Specification
Model Name	DZ43 LCD Instrument
Brand	SPORTARC
Rated Current	42 mA
Color	Black
Waterproof Rating	IPX5
Voltage Compatibility	24 V, 36 V, 48 V
Weight	215 g
Display Type	LCD
Sensor Type	Speed Sensor

Feature	Specification
Mounting Type	Handlebar Mount
Human Interface Input	Buttons
Shell Material	ABS
Panel Material	Glass
Compatible Motors	Bafang BBS01, BBS02, BBSHD

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact SPORTARC customer service through the retailer where the product was purchased. Keep your proof of purchase for warranty claims.