

BROSE E41230

Brose Unit Control Allround Display Instruction Manual

Model: E41230

1. INTRODUCTION

The Brose Unit Control Allround Display is designed to provide a comprehensive and intuitive interface for your electric bicycle. This compact unit integrates seamlessly with Brose drive systems, offering essential riding data and control functions through a clear color display and ergonomic buttons.

Key features include a 1.5-inch TFT color display for excellent readability, a robust ABS housing with IPX7 protection against dust and splashes, and flexible mounting options. It provides access to 14 individually adjustable functions, ensuring a tailored riding experience.

2. SETUP

2.1 Unpacking and Inspection

- Carefully remove the Brose Unit Control Allround Display from its packaging.
- Inspect the unit for any signs of damage during transit. If damage is found, contact your retailer immediately.
- Ensure all components are present: the display unit with integrated cable.

2.2 Mounting the Display

The compact design of the display allows for flexible mounting on either the right or left side of the handlebar. Choose a position that offers optimal visibility and comfortable thumb access to the control buttons without requiring you to remove your hand from the handlebar.

- Position the display on the handlebar.
- Secure the display using the provided mounting hardware. Ensure it is firmly attached to prevent movement during riding.
- Adjust the angle for best viewing comfort.

2.3 Connecting to the E-Bike System

The display unit features an integrated cable designed for direct connection to your Brose e-bike drive system. This connection facilitates communication between the display and the motor, battery, and other system components.

- Locate the corresponding port on your e-bike's wiring harness.
- Carefully align the connector from the display cable with the port and push firmly until it clicks into place.
- Ensure the connection is secure and protected from environmental elements.



Image 1: Brose Unit Control Allround Display showing the screen, control buttons, and the connection cable with its plug. The display shows '185 km/h' and 'SPORT' mode, along with battery and light indicators.

3. OPERATING

3.1 Powering On/Off

- To power on the display and your e-bike system, press and hold the **On/Off** button.

- To power off, press and hold the **On/Off** button again until the display shuts down.

3.2 Control Buttons

The display features six ergonomic buttons designed for easy thumb operation, allowing you to control functions without removing your hand from the handlebar.

- **On/Off Button:** Powers the system on and off.
- **Level (+/-) Buttons:** Adjust the motor assistance level.
- **Assist Button:** Activates the Walk Assist function.
- **Menu Button:** Accesses display settings and additional functions.
- **Light On/Off Button:** Controls the e-bike's front and rear lights.

3.3 Display Functions

The Brose Allround Display offers 14 individually adjustable functions, including:

- **Speed Display:** Current riding speed.
- **Battery Level:** Remaining battery charge.
- **Support Level:** Current motor assistance mode (OFF, ECO, Tour, Sport, Boost/Boost FX).
- **Range:** Estimated remaining distance based on current battery and assistance level.
- **Odometer:** Total distance traveled.
- **Trip Information:** Current trip distance, average speed, etc.
- **Time:** Current time.
- **Light Indicator:** Status of the e-bike lights.
- **Walk Assist:** Provides assistance when pushing the bike.
- **Brightness Adjustment:** Automatic or manual adjustment of screen brightness.

3.4 Adjusting Brightness

The display's backlight can be adjusted manually or set to an automatic mode. In automatic mode, the display regulates its brightness based on ambient light conditions, ensuring optimal readability in various lighting environments, including darkness or direct sunlight.

- Access the brightness settings via the **Menu** button.
- Select either manual adjustment or automatic mode.

4. MAINTENANCE

4.1 Cleaning the Display

- Use a soft, damp cloth to gently wipe the display screen and housing.
- Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the screen or housing.
- Ensure the display is dry before operating.

4.2 Environmental Protection

The Brose Allround Display features an IPX7 protection rating, making it resistant to dust and splashes. Its shock-resistant ABS housing provides durability for daily use in various weather conditions.

- While designed for outdoor use, avoid prolonged submersion in water.
- Protect the display from extreme temperatures and direct impacts.

4.3 Software Updates

The display may support software updates via Bluetooth 5.0 connectivity (optional). Consult your certified Brose dealer for information on available updates and the update process to ensure optimal performance and access to new features.

5. TROUBLESHOOTING

If you encounter any issues with your Brose Unit Control Allround Display, please refer to the following general troubleshooting steps:

- **Display Not Turning On:** Ensure the battery of your e-bike is charged and properly connected. Check the display's cable connection for security.
- **Incorrect Readings:** Verify that all sensors (e.g., speed sensor) are correctly installed and free from obstruction.
- **Buttons Unresponsive:** Ensure the buttons are clean and free of debris. Try restarting the system.
- **Connectivity Issues (Bluetooth):** Ensure Bluetooth is enabled on your connected device and the display. Refer to the specific instructions for pairing.

For complex issues or repairs, it is recommended to contact a certified Brose dealer. The display has a direct connection to the Brose digital service tool for quick maintenance and repair by authorized personnel.

6. SPECIFICATIONS

Feature	Specification
Model Number	E41230
Display Type	1.5-inch TFT Color Display
Resolution	240 x 240 pixels
Dimensions (L x W x H)	44 x 37 x 50 mm
Weight (with cable)	Approx. 50 g
Housing Material	Shock-resistant ABS
Protection Class	IPX7 (Dust and splash-proof)
Connectivity	Bluetooth 5.0 (optional ANT+)
Control Buttons	6 ergonomic buttons (On/Off, Level +/-, Assist, Menu, Light On/Off)
Support Levels	OFF, ECO, Tour, Sport, Boost/Boost FX
Color	Black
Certifications	CE, ROHS

7. WARRANTY AND SUPPORT

7.1 Warranty Information

Specific warranty terms and conditions for the Brose Unit Control Allround Display are provided by your retailer or the manufacturer. Please retain your proof of purchase for warranty claims. For detailed information, refer to the warranty

documentation included with your product or contact your point of purchase.

7.2 Customer Support

For technical assistance, service, or repair, please contact your authorized Brose dealer. Certified dealers have access to the Brose digital service tool for efficient diagnostics and maintenance. Do not attempt to open or repair the device yourself, as this may void the warranty and cause further damage.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question