

XBERSTAR For KT Controller ADE

XBERSTAR Electric Bike 1T4 1T5 Waterproof Integration Cable User Manual

Model: For KT Controller ADE

1. INTRODUCTION

This manual provides comprehensive instructions for the XBERSTAR Electric Bike 1T4 1T5 Waterproof Integration Cable. This cable is designed to simplify the wiring of various e-bike components to a KT Controller ADE system, ensuring a secure and waterproof connection for reliable operation. Please read this manual carefully before installation and use to ensure proper functionality and safety.

2. PRODUCT OVERVIEW

The XBERSTAR 1T5 Waterproof Integration Cable is a specialized wiring harness that consolidates connections for essential e-bike accessories. It features a main 9-pin connector for the controller and branches out to individual waterproof connectors for the display, throttle, headlight, and two brake levers. This design reduces cable clutter and enhances the system's resistance to environmental elements.



Image 2.1: Overview of the XBERSTAR 1T5 Waterproof Integration Cable.

3. SPECIFICATIONS

Feature	Detail
Model Name	Electric Bicycle E-bike Integration Cable Waterproof 1-5 For KT Controller ADE
Cable Type	1T5 Waterproof Integration Cable (9-pin main)
Compatibility	KT Controller ADE systems
Main Cable Length	Approximately 180 cm (70.8 inches)
Material	Rubber + Copper Wire
Color	Black
Controller Connector	8-pin Male (Black)

Headlight Connector	2-pin Female (Red)
Brake Lever Connectors	2 x 3-pin Male (Yellow)
Display Connector	5-pin Female (Green)
Throttle Connector	3-pin Female (Yellow)

4. PACKAGE CONTENTS

The package includes the following item:

- 1 x XBERSTAR Electric Bike 1T4 1T5 Waterproof Integration Cable

5. SETUP AND INSTALLATION

Follow these steps to correctly install the 1T5 Waterproof Integration Cable with your e-bike components and KT Controller ADE system.

5.1 Identify Connectors

Before beginning installation, familiarize yourself with the different connectors on the 1T5 cable and their corresponding components.

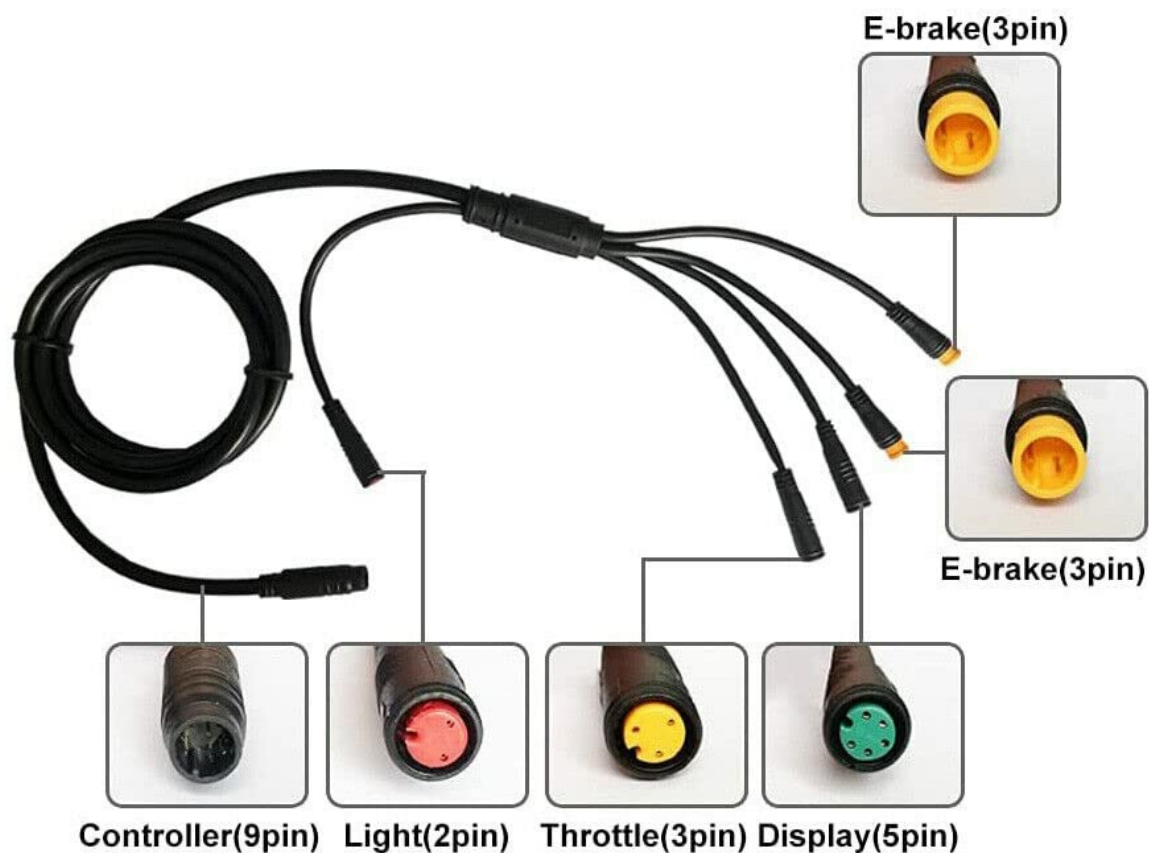


Image 5.1: Connector identification diagram.

- **Controller Connector:** 8-pin Male (Black). This is the primary connection to your KT Controller.
- **Headlight Connector:** 2-pin Female (Red). For connecting your e-bike's headlight.
- **Brake Lever Connectors:** Two 3-pin Male (Yellow). For connecting your left and right e-brake levers. Note: These are yellow, not red.
- **Display Connector:** 5-pin Female (Green). For connecting your e-bike's display unit.
- **Throttle Connector:** 3-pin Female (Yellow). For connecting your e-bike's throttle.

5.2 Connection Procedure

1. **Power Off:** Ensure your e-bike's battery is disconnected and the system is powered off before making any connections.
2. **Connect to Controller:** Locate the 9-pin port on your KT Controller ADE. Connect the main 8-pin Male (Black) connector of the 1T5 cable to this port. Ensure it clicks securely into place.
3. **Connect Display:** Take the 5-pin Female (Green) connector from the 1T5 cable and connect it to your e-bike's display unit.

4. **Connect Throttle:** Connect the 3-pin Female (Yellow) connector from the 1T5 cable to your e-bike's throttle.
5. **Connect Brake Levers:** Connect the two 3-pin Male (Yellow) connectors from the 1T5 cable to your e-bike's left and right brake levers.
6. **Connect Headlight:** Attach the 2-pin Female (Red) connector from the 1T5 cable to your e-bike's headlight.
7. **Secure Cables:** Once all connections are made, use cable ties or appropriate fasteners to neatly secure the cables along your bike frame, preventing them from snagging or interfering with moving parts. Ensure all waterproof connections are fully seated to maintain their integrity.

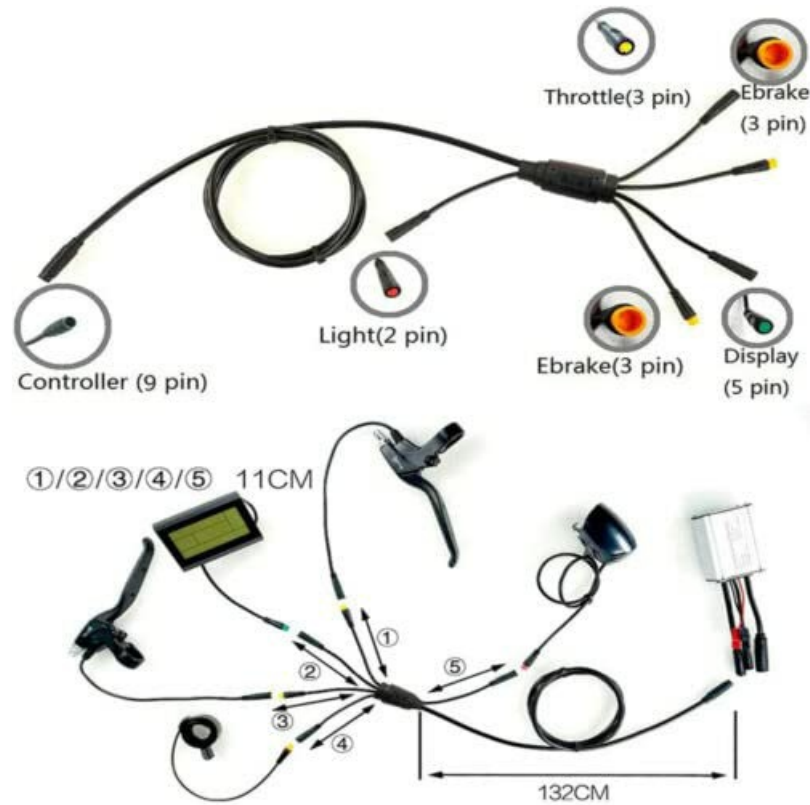


Image 5.2: Schematic of cable connections to e-bike components.



Image 5.3: Example of the 1T5 cable integrated into an e-bike system.

6. OPERATING INSTRUCTIONS

Once the XBERSTAR 1T5 Waterproof Integration Cable is correctly installed, the connected components will function as part of your e-bike's KT Controller ADE system. Refer to your e-bike's main user manual and the manuals for your specific display, throttle, and brake levers for detailed operating instructions.

- **Power On:** Reconnect your e-bike battery and power on the system.
- **Functionality Check:** Verify that the display powers on, the throttle responds, the headlight illuminates, and the e-brake cut-off functions correctly.
- **Waterproof Design:** The waterproof connectors are designed for outdoor use, but avoid submerging the connections in water for extended periods.

7. MAINTENANCE

Proper maintenance ensures the longevity and reliability of your XBERSTAR 1T5 Waterproof Integration Cable.

- **Regular Inspection:** Periodically inspect all cable connections for signs of wear, damage, or corrosion.
- **Cleaning:** Keep the cables and connectors clean. Use a soft, dry cloth to wipe away dirt and debris. Avoid using harsh chemicals or abrasive materials.
- **Secure Connections:** Ensure all connectors remain firmly seated. Loose connections can lead to intermittent functionality or damage.
- **Cable Routing:** Check that cables are not pinched, stretched, or rubbing against sharp edges. Adjust cable routing if necessary to prevent damage.

8. TROUBLESHOOTING

If you encounter issues with your e-bike system after installing the 1T5 cable, consider the following troubleshooting steps:

- **No Power to Components:**
 - Check that the main 8-pin controller connector is fully inserted into the KT Controller.
 - Ensure the e-bike battery is charged and properly connected.
 - Verify that individual component connectors (display, throttle, light, brake) are securely attached.
- **Component Not Responding:**
 - Confirm the specific component's connector is correctly plugged into the 1T5 cable.
 - Inspect the component's cable for any visible damage.
 - Consult the individual component's manual for specific troubleshooting.
- **Intermittent Functionality:**
 - Check all connections for looseness.
 - Inspect cables for any signs of internal damage (e.g., kinks, cuts).
- **Water Ingress:**
 - If water is suspected in a connector, disconnect it, dry it thoroughly, and re-seal it. Ensure the rubber seals are intact.

If problems persist after performing these checks, it is recommended to consult a qualified e-bike technician or contact XBERSTAR customer support.

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official XBERSTAR website. Keep your proof of purchase for any warranty claims.

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.

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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