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› L-faster Skateboard Dual Drive Controller (1-drive for belt) Instruction Manual

## L-faster B0CXXJLG8R

# L-faster Skateboard Dual Drive Controller (1-drive for belt) Instruction Manual

Model: B0CXXJLG8R

## INTRODUCTION

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This manual provides comprehensive instructions for the L-faster Skateboard Dual Drive Controller, specifically the 1-drive for belt motor variant (Model B0CXXJLG8R). This controller is designed for electric skateboards utilizing brushless belt drive motors. Please read this manual thoroughly before installation and operation to ensure proper function and safety.

## SETUP AND INSTALLATION

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The L-faster Skateboard Dual Drive Controller (1-drive for belt) includes the controller board and a remote control. Proper installation is crucial for safe and effective operation.

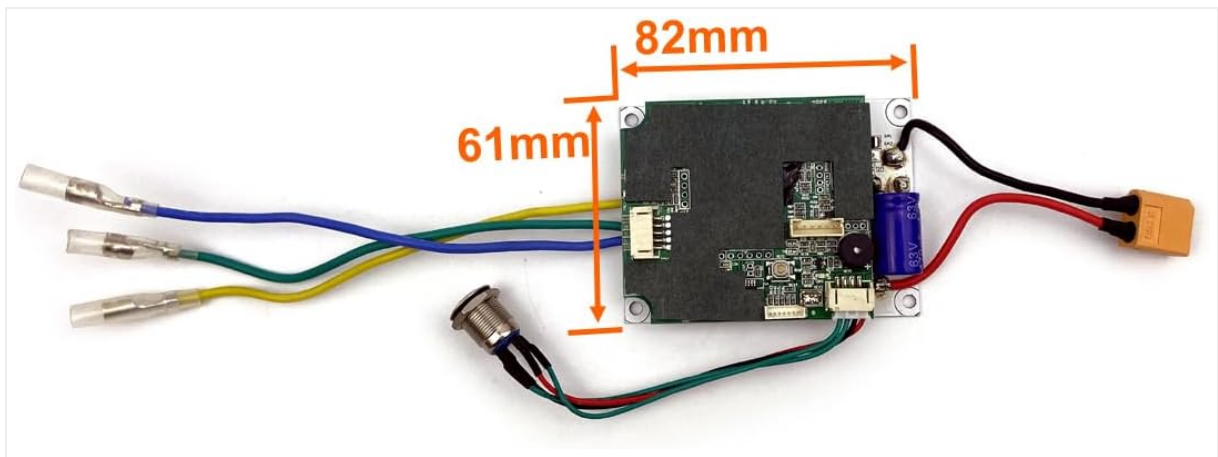
# single-drive (for belt drive)



**Figure 1:** L-faster Skateboard Dual Drive Controller (1-drive for belt) and its accompanying remote control. This image shows the main components included with the product.

## Controller Board Installation

- **Compatibility:** This specific controller is designed for **belt drive motors**. It is not compatible with hub motors. Ensure your electric skateboard uses a brushless belt drive motor system.
- **Mounting:** Securely mount the controller board within the skateboard's enclosure, protecting it from moisture, dust, and physical impact.
- **Wiring:** Connect the motor phase wires (typically three wires) from your belt drive motor to the corresponding terminals on the controller. Ensure all connections are firm and insulated.
- **Battery Connection:** Connect your skateboard's battery (6S, 7S, or 10S LiPo/Li-ion) to the power input terminals of the controller. Observe correct polarity (positive to positive, negative to negative) to prevent damage.
- **Remote Receiver:** Connect the remote control receiver to the designated port on the controller board.
- **Power Button:** Connect the included power button to the controller board.



**Figure 2:** Dimensions of the controller board, measuring approximately 82mm by 61mm. Use these measurements to ensure proper fit within your skateboard's enclosure.

## Remote Control

- The remote control is pre-paired with the controller. If re-pairing is necessary, refer to the specific instructions provided with the remote (not detailed in this general manual).
- Ensure the remote control is charged before use.



**Figure 3:** Dimensions of the remote control, measuring approximately 100mm in length and 50mm in width. This provides an idea of its ergonomic size.

## OPERATING INSTRUCTIONS

1. **Power On:** Press the power button on your skateboard to activate the controller. The remote control should also be powered on.
2. **Pairing (if necessary):** The remote and controller should automatically connect. If not, consult the remote's specific instructions for pairing.
3. **Speed Control:** Use the throttle on the remote to control the speed of the skateboard. Gently increase the throttle for smooth acceleration.
4. **Braking:** Use the brake function on the remote to slow down or stop the skateboard. Apply brakes gradually to avoid sudden stops.

5. **Direction:** Some remotes may have a reverse function. Refer to your remote's specific layout.
6. **Battery Indicator:** Monitor the battery indicator on the remote (if available) to keep track of the skateboard's battery level.
7. **Power Off:** After use, power off both the skateboard (via the power button) and the remote control to conserve battery.

Always operate your electric skateboard responsibly and wear appropriate safety gear.

## MAINTENANCE

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- **Regular Inspection:** Periodically inspect all wiring connections to ensure they are secure and free from corrosion or damage.
- **Cleaning:** Keep the controller board and remote control clean and free from dust, dirt, and moisture. Use a dry, soft cloth for cleaning.
- **Storage:** When not in use for extended periods, store the skateboard and controller in a dry, temperate environment.
- **Battery Care:** Follow the manufacturer's guidelines for your skateboard battery's charging and storage to prolong its lifespan.

## TROUBLESHOOTING

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If you encounter issues with your L-faster Skateboard Dual Drive Controller, consider the following troubleshooting steps:

- **No Power:**
  - Check if the skateboard's main battery is charged.
  - Ensure all power connections to the controller are secure.
  - Verify the power button is functioning correctly.
- **Motor Not Responding:**
  - Confirm the remote control is powered on and charged.
  - Check if the remote and controller are properly paired.
  - Inspect motor phase wire connections for looseness or damage.
  - Ensure the controller is compatible with your belt drive motor (this model is for belt drive).
- **Erratic Behavior:**
  - Check for any loose wiring or short circuits.
  - Ensure the remote control has a clear line of sight to the receiver (avoid interference).

If problems persist after attempting these steps, contact the manufacturer for further assistance.

## SPECIFICATIONS

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<b>Model</b>	B0CXXJLG8R (1-drive for belt)
<b>Compatibility</b>	Brushless Belt Drive Motors
<b>Voltage</b>	10S (36V) nominal; compatible with 6S (22V) and 7S (25V)

<b>Rated Current</b>	30A
<b>Maximum Current</b>	100A
<b>Maximum Speed</b>	8000 RPM
<b>Sensor Support</b>	Hall sensor and sensorless operation supported
<b>Material</b>	Aluminum
<b>Included Components</b>	Controller board, remote control

## WARRANTY INFORMATION

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No specific warranty information is provided for this product in the available documentation. Please refer to the retailer's return policy or contact the manufacturer directly for any warranty-related inquiries.

## SUPPORT AND CONTACT

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For technical support, troubleshooting assistance beyond this manual, or product inquiries, please contact the manufacturer:

**Manufacturer:** L-faster

Refer to your purchase documentation or the retailer's website for specific contact details.