

FLY RC B07D1YCM7G

FLY RC XT30 Male to XT60 Female Adapter Connector User Manual

Model: B07D1YCM7G

1. INTRODUCTION

This manual provides essential information for the safe and effective use of the FLY RC XT30 Male to XT60 Female Adapter Connector. This adapter is designed to facilitate compatibility between devices equipped with XT30 connectors and those requiring XT60 connectors, commonly found in RC (Radio Control) applications such as FPV drones, cars, Lipo/NiMH battery chargers, and Electronic Speed Controllers (ESCs).

Please read this manual thoroughly before using the product to ensure proper operation and to prevent potential damage to your equipment.

2. SAFETY INFORMATION

Warning:

- Always ensure correct polarity when connecting adapters. Incorrect polarity can cause severe damage to batteries, chargers, ESCs, and other electronic components.
- Inspect connectors for damage (e.g., bent pins, cracked housing) before each use. Do not use damaged connectors.
- Avoid short circuits. Ensure that the male and female pins do not come into contact with each other or with conductive materials.
- Keep connectors clean and free from dirt, dust, and moisture to maintain optimal electrical contact.
- Do not exceed the current ratings of the connectors. While these adapters are wireless, the connected components have current limits.
- Store adapters in a safe, dry place away from children and pets.

3. PRODUCT OVERVIEW

The FLY RC XT30 Male to XT60 Female Adapter Connector is a compact, wireless adapter designed for seamless conversion between XT30 and XT60 connector types. It features an XT30 male plug on one end and an XT60 female socket on the other.



Figure 1: Overview of four FLY RC XT30 Male to XT60 Female Adapter Connectors. Each adapter features an XT30 male plug on one end and an XT60 female socket on the other, designed for converting battery connections.

Components:

- **XT30 Male Connector:** This end plugs into a device or battery with an XT30 female port. It has two exposed pins.
- **XT60 Female Connector:** This end accepts a device or battery with an XT60 male plug. It has two recessed sockets.





Figure 2: Left: Close-up view of the XT30 male connector end, showing the two exposed pins. Right: Close-up view of the XT60 female connector end, showing the two recessed sockets.

4. SETUP AND CONNECTION

The adapter is designed for straightforward plug-and-play use. Follow these steps to connect your devices:

1. **Identify Connectors:** Determine which of your devices has an XT30 female port (e.g., a battery) and which has an XT60 male plug (e.g., an ESC or charger).
2. **Connect XT30:** Carefully insert the XT30 male end of the adapter into the XT30 female port of your device. Ensure a firm and secure connection.
3. **Connect XT60:** Insert the XT60 male plug from your other device into the XT60 female socket of the adapter. Ensure a firm and secure connection.
4. **Verify Polarity:** Before powering on, double-check that the positive (+) and negative (-) terminals align correctly. While the connectors are designed to prevent reverse polarity, always visually confirm.



Figure 3: A single XT30 Male to XT60 Female Adapter Connector, ready for connection between compatible devices.

5. OPERATING INSTRUCTIONS

Once the adapter is securely connected between your battery and device (e.g., ESC, charger), you can operate your equipment as usual. The adapter acts as a passive bridge, converting the connector type without altering electrical characteristics beyond minor resistance.

- **Battery Charging:** If using the adapter with a charger, ensure the charger settings match the battery type (e.g., LiPo, NiMH) and cell count.
- **Powering Devices:** When powering an ESC or other RC component, ensure the voltage and current requirements of the device are compatible with the connected battery.
- **Disconnection:** To disconnect, firmly grasp both the adapter and the connected device's connector. Pull them apart straight, avoiding twisting or pulling on wires (though this adapter is wireless, apply the same principle to the connected components).

6. MAINTENANCE

Proper maintenance ensures the longevity and reliability of your adapter connectors.

- **Cleaning:** If connectors become dirty, gently wipe them with a clean, dry cloth. Avoid using liquids or solvents.
- **Inspection:** Regularly inspect the connectors for signs of wear, corrosion, or damage. Look for discoloration, melting, or loose pins, which can indicate overheating or poor connection.
- **Storage:** Store adapters in a cool, dry environment, protected from physical impact and extreme temperatures.
- **Avoid Stress:** Do not apply excessive force or bend the connectors during connection or disconnection.

7. TROUBLESHOOTING

If you encounter issues, consider the following common troubleshooting steps:

- **No Power/Intermittent Connection:**
 - Ensure both ends of the adapter are fully and securely seated.
 - Check for bent or corroded pins on all connectors (adapter, battery, device).
 - Verify that the battery is charged and functional.
- **Overheating Connectors:**
 - Immediately disconnect power.
 - Overheating can indicate a poor connection, excessive current draw, or internal damage. Inspect all connectors for damage or discoloration.
 - Ensure the current draw of your application does not exceed the rated capacity of the XT30 or XT60 connectors.
- **Difficulty Connecting/Disconnecting:**
 - New connectors can be stiff. Apply firm, steady pressure.
 - Ensure correct alignment before attempting to push together.
 - Avoid forcing connections, as this can damage pins.

8. SPECIFICATIONS

Feature	Detail
Product Type	2-Connector Wireless Adapter
Male Connector Type	XT30 Style
Female Connector Type	XT60 Style
Wire Gauge	Wireless (Direct Adapter)
Application	Convert Battery with XT30 to XT60 on Electronic Speed Control, Power Distribution Board on Drones, and for Chargers
Package Dimensions	4.25 x 2.64 x 0.39 inches
Item Weight	0.704 ounces
Model Number	B07D1YCM7G
Manufacturer	FLY RC

9. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your FLY RC XT30 Male to XT60 Female Adapter Connector, please refer to the retailer or the official FLY RC website where the product was purchased. Keep your proof of purchase for 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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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