

Redcat Racing ST-TAMTO4B

Redcat Racing Version 4.0 Tamiya to Banana Adapter Instruction Manual

Model: ST-TAMTO4B

1. PRODUCT OVERVIEW

The Redcat Racing Version 4.0 Tamiya to Banana Adapter (Part # ST-TAMTO4B) is designed to facilitate the connection between RC components with different connector types. Specifically, this adapter converts a male Tamiya connection to a female 4.0mm banana plug connection. It is primarily used with female Tamiya batteries that need to be connected to devices or chargers requiring female banana plugs.

This adapter is an essential accessory for hobbyists looking to expand the compatibility of their existing battery packs with various RC vehicles or charging equipment.

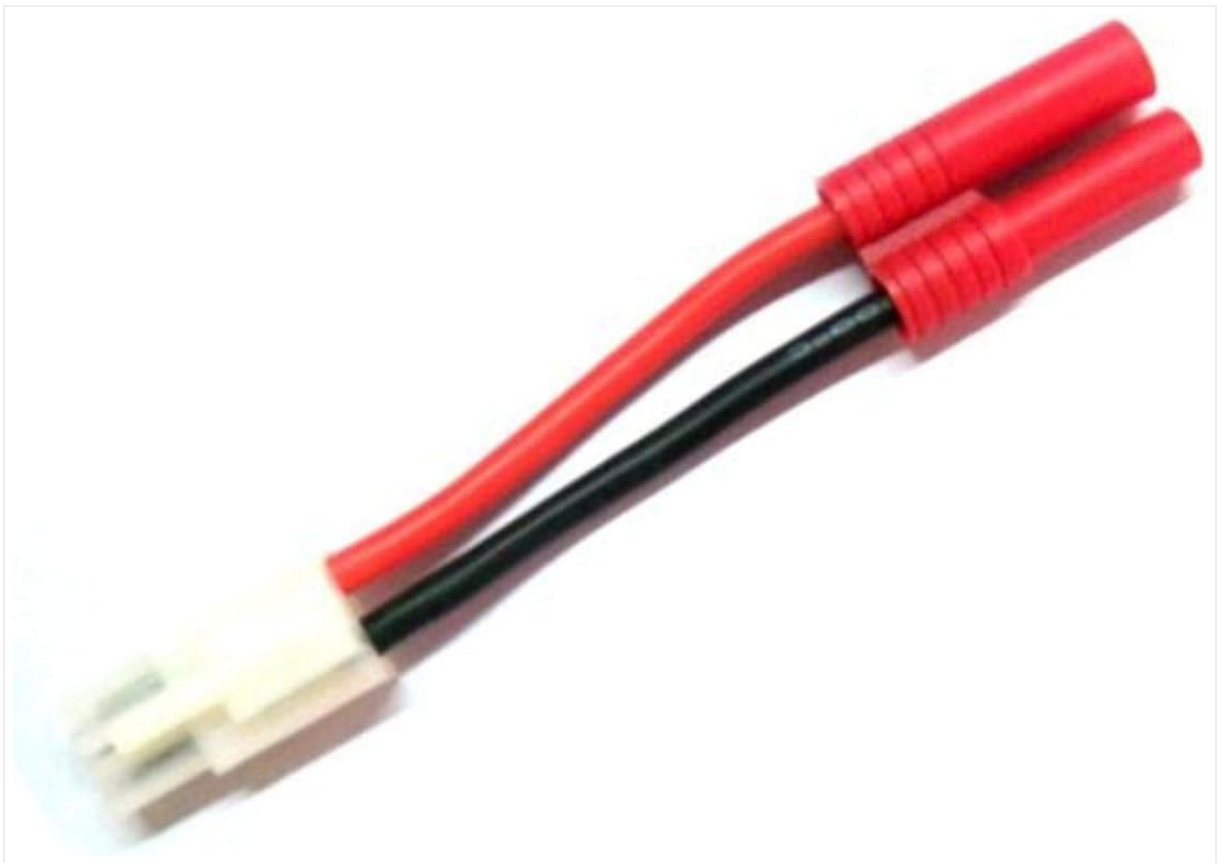


Image: The Redcat Racing Version 4.0 Tamiya to Banana Adapter. This image displays the adapter with its white male Tamiya connector on one end and two red and black wires leading to the 4.0mm banana plugs on the other end.

Key Features:

- Converts male Tamiya to female 4.0mm banana plugs.
- Designed for use with female Tamiya batteries.
- Durable construction for reliable power transfer.

2. SETUP AND CONNECTION

This adapter is designed for simple plug-and-play functionality. Ensure all connections are secure before operating your RC vehicle or charging equipment.

Connection Steps:

1. Identify the female Tamiya connector on your battery.
2. Connect the male Tamiya end of the adapter firmly into the female Tamiya connector of your battery. Ensure it clicks into place if applicable.
3. Identify the female 4.0mm banana plug ports on your Electronic Speed Controller (ESC) or charger.
4. Insert the 4.0mm banana plugs from the adapter into the corresponding ports on your ESC or charger. Ensure correct polarity (red to positive, black to negative).
5. Verify all connections are snug and free from loose wires.

3. OPERATING GUIDELINES

Once connected, the adapter allows the flow of electrical current between your battery and the connected device. No specific operational steps are required for the adapter itself beyond proper connection.

Important Considerations:

- Always ensure the adapter is fully seated in both the battery and the device/charger connectors to prevent intermittent power or damage.
- Do not force connections. If a connection feels tight, double-check the connector types and orientation.
- Regularly inspect the adapter for any signs of wear, fraying wires, or damaged connectors.

4. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and safe operation of your adapter.

Care Instructions:

- **Cleaning:** Keep the connectors clean and free of dirt, dust, or corrosion. Use a dry, soft cloth to wipe down the adapter. Do not use liquids or harsh chemicals.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures. Avoid tangling the wires.
- **Inspection:** Periodically inspect the wires for cuts, nicks, or fraying. Check the connectors for bent pins, cracks, or signs of melting. Discontinue use if any damage is observed.
- **Handling:** Always grasp the plastic housing of the connectors when plugging or unplugging. Avoid pulling on the wires, as this can damage the internal connections.

5. TROUBLESHOOTING

If you encounter issues with your adapter, consider the following troubleshooting steps:

Common Issues and Solutions:

- **No Power/Intermittent Connection:**
 - Ensure all connections are fully seated and secure.
 - Check for bent pins or debris inside the connectors.
 - Inspect the wires for any visible damage or breaks.
 - Test the battery and the device/charger independently to rule out issues with other components.
- **Adapter Overheating:**
 - Overheating can indicate excessive current draw or a faulty connection. Disconnect immediately.
 - Ensure the adapter's current rating is sufficient for your application.
 - Check for short circuits in your setup.
- **Difficulty Connecting:**
 - Verify that you are attempting to connect the correct male/female ends.
 - Ensure there is no foreign material obstructing the connectors.

If troubleshooting does not resolve the issue, contact Redcat Racing customer support for further assistance.

6. SPECIFICATIONS

Attribute	Detail
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Model Number	ST-TAMTO4B
Connector Type 1	Male Tamiya
Connector Type 2	Female 4.0mm Banana Plug
Product Dimensions	4 x 0.75 x 0.3 inches
Item Weight	3.2 ounces
Manufacturer	Redcat Racing
Recommended Age	14 years and up

7. COMPATIBILITY

This adapter is compatible with female Tamiya batteries and devices/chargers that utilize 4.0mm banana plug inputs. It is known to be compatible with various Redcat Racing vehicles, including but not limited to:

- Ground Pounder
- Lightning EP Drift
- Lightning EPX PRO
- Lightning STK
- Sandstorm
- Sandstorm Tk
- Tornado EPX/EPX PRO
- Volcano EPX/EPX PRO
- Vortex EPX/EPX PRO

Always consult your vehicle's manual for correct fitment and assembly requirements.

8. SAFETY INFORMATION

Please read and understand all safety warnings before using this product to prevent injury or damage.

- **Electrical Safety:** Always ensure correct polarity when connecting. Incorrect polarity can damage batteries, ESCs, or chargers.
- **Heat:** Electrical connections can generate heat. Ensure adequate ventilation and do not operate in enclosed spaces where heat can build up. If the adapter becomes excessively hot, disconnect it immediately.
- **Damage:** Do not use the adapter if it shows any signs of damage, such as frayed wires, exposed conductors, or cracked connectors.
- **Water Exposure:** Keep the adapter dry. Exposure to water or moisture can cause short circuits and electrical hazards.
- **Children:** This product is not a toy. Keep out of reach of children under 14 years of age due to small parts and electrical components.
- **Modifications:** Do not attempt to modify or repair the adapter. Unauthorized modifications can lead to malfunction, fire, or electric shock.

9. WARRANTY AND SUPPORT

Redcat Racing stands behind its products. For specific warranty information, please refer to the documentation included with your original product purchase or visit the official Redcat Racing website.

Redcat Racing is located in the United States and maintains a dedicated support staff to assist you with any questions or issues regarding your Redcat Racing product.

Contact Information:

- For support, please visit the [Redcat Racing Store on Amazon](#) or their official website.
- Consult your product's original manual for detailed contact methods.