

Traxxas 6533X

Traxxas TQi 2.4GHz 5-Channel Micro Receiver with Telemetry (6533X) Instruction Manual

Model: 6533X

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Traxxas TQi 2.4GHz 5-channel micro receiver with telemetry and Traxxas Stability Management (TSM). Please read this manual thoroughly before using the product to ensure safe and optimal performance.

2. PRODUCT OVERVIEW

The Traxxas TQi 2.4GHz 5-channel micro receiver (Part #6533X) is designed for use with Traxxas TQi transmitters. It features integrated telemetry capabilities and Traxxas Stability Management (TSM) for enhanced control and real-time data monitoring.

Key Features:

- Traxxas TQi 2.4GHz 5-channel Micro Receiver with Telemetry & TSM
- Part number(s) included (in factory packaging): 6533X

What's in the Box:

- One Traxxas TQi 2.4GHz 5-channel Micro Receiver with Telemetry & TSM (Part #6533X)



Image Description: A top-down view of the Traxxas TQi 2.4GHz 5-Channel Micro Receiver, model 6533X. The receiver is black with red and white branding. Key labels visible include "TRAXXASLINK", "TSM", "2.4GHz Receiver", "TQi", "Part #6533X", "LINK" button, "6V 50mA" power specification, "CE" mark, and "Made in Taiwan KA24078-R00". On the right side, there are multiple ports labeled V/T, RPM, BATT/CH5, CH4, CH3, CH2, CH1, indicating various channel and telemetry connections.

3. SETUP AND INSTALLATION

3.1 Receiver Placement

Mount the receiver in a location that protects it from moisture, dirt, and physical impact. Ensure it is securely fastened using double-sided tape or a receiver box. Avoid placing it near high-current wires or motors that could cause interference.

3.2 Wiring Connections

- **CH1 (Steering):** Connect the steering servo to this port.
- **CH2 (Throttle):** Connect the electronic speed control (ESC) to this port.
- **CH3, CH4:** Connect auxiliary servos or accessories as needed.
- **BATT/CH5:** This port can be used for battery input (if not powered by ESC) or for a fifth channel.
- **RPM:** Connect an RPM telemetry sensor (sold separately).
- **V/T:** Connect a voltage or temperature telemetry sensor (sold separately).

3.3 Binding the Receiver

1. Ensure your TQi transmitter is powered off.
2. Connect a fully charged battery to your model and power on the electronic speed control (ESC) or receiver battery pack. The receiver's LED will flash red.
3. Press and hold the LINK button on the receiver.
4. While holding the LINK button, turn on your TQi transmitter.
5. Release the LINK button on the receiver when the transmitter's LED begins to flash green.

- 6. The receiver's LED will turn solid green, indicating a successful bind.
- 7. Test all functions (steering, throttle, auxiliary channels) to confirm proper operation.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

Once bound, the receiver will communicate wirelessly with your TQi transmitter. Ensure the transmitter is always powered on before the model and powered off after the model to maintain control.

4.2 Telemetry Functions

The TQi receiver supports telemetry, allowing you to monitor real-time data from your model (e.g., speed, battery voltage, temperature) when connected to compatible Traxxas telemetry sensors (sold separately). Data can be viewed on your TQi transmitter with a Traxxas Link Wireless Module and the Traxxas Link App on a compatible mobile device.

4.3 Traxxas Stability Management (TSM)

TSM assists in maintaining control of your vehicle, especially on slippery surfaces, by making steering corrections. The level of TSM assistance can typically be adjusted via your TQi transmitter or the Traxxas Link App.

5. MAINTENANCE

- **Cleaning:** Keep the receiver clean and free from dirt, dust, and moisture. Use a soft, dry brush or compressed air to remove debris. Do not use solvents or harsh chemicals.
- **Inspection:** Regularly inspect all wiring and connections for signs of wear, damage, or corrosion. Ensure all plugs are securely seated.
- **Storage:** Store the receiver in a dry, cool environment away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No control/No signal	Receiver not bound; Transmitter off; Low battery; Interference.	Re-bind receiver; Ensure transmitter is on; Check battery levels; Move away from interference sources.
Intermittent control/Short range	Antenna obstructed/damaged; Interference; Low battery.	Ensure antenna is clear and undamaged; Check for local interference; Replace/recharge batteries.
Telemetry data not displayed	Sensors not connected; Traxxas Link module not installed/paired; App issue.	Verify sensor connections; Ensure Traxxas Link Wireless Module is correctly installed and paired; Check Traxxas Link App settings.

7. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	6533X
Frequency	2.4GHz
Channels	5
Features	Telemetry, Traxxas Stability Management (TSM)
Input Voltage	6V (as indicated on unit)
Current Draw	50mA (as indicated on unit)
Product Dimensions	6.7 x 3 x 0.65 inches
Item Weight	0.317 ounces
Manufacturer	Traxxas
Origin	Made in Taiwan

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Traxxas directly through their official website or authorized service centers. Keep your proof of purchase for warranty claims.
Traxxas Official Website: traxxas.com