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› INJORA INT-T6M 2.4GHz Digital Radio Micro Transmitter Remote Control User Manual

INJORA INT-T6M

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Model: INT-T6M

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1. INTRODUCTION

The INJORA INT-T6M is a 2.4GHz digital radio micro transmitter designed for remote control of 1/24 and 1/18 scale RC cars, boats, and tanks. This system includes a 6-channel receiver, offering reliable and precise control for various RC applications. Its advanced 2.4G spread spectrum technology with FHSS 67 channel pseudo-random frequency hopping ensures superior anti-interference capabilities. The compact design and user-friendly features make it an excellent upgrade or replacement for your RC vehicle's control system.



Figure 1.1: The INJORA INT-T6M 2.4GHz Digital Radio Micro Transmitter and its accompanying 6-channel Receiver.

2. SAFETY INFORMATION

Please read and understand all safety precautions before operating the INJORA INT-T6M system. Failure to do so may result in injury or damage to the product or property.

- **Battery Safety:** Use only the specified 4*AA batteries for the transmitter. Do not mix old and new batteries, or different types of batteries. Remove batteries if the device will not be used for an extended period to prevent leakage.
- **Operating Environment:** Operate your RC vehicle in open areas, away from people, pets, and obstacles. Avoid operating near power lines, radio towers, or other sources of electromagnetic interference.
- **Water Exposure:** This product is not waterproof. Avoid exposure to water or high humidity, which can damage electronic components.
- **Children:** This product is recommended for users aged 14 years and up. Adult supervision is advised for younger

users.

- **Fail-Safe Function:** Always set up the fail-safe function to ensure the vehicle stops or returns to a safe state if signal is lost.
- **Power Off Sequence:** Always turn off the receiver/vehicle first, then the transmitter. When turning on, turn on the transmitter first, then the receiver/vehicle.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x INJORA INT-T6M Transmitter
- 1x 6CH Receiver
- 1x User Manual

4. SETUP

4.1 Transmitter Battery Installation

The INJORA INT-T6M Transmitter requires 4 AA batteries (not included) for operation.

1. Locate the battery compartment on the bottom of the transmitter handle.
2. Slide open the battery compartment cover.
3. Insert 4 AA batteries, ensuring correct polarity (+ and -) as indicated inside the compartment.
4. Close the battery compartment cover securely.



Figure 4.1: Close-up view of the transmitter's battery compartment (top right inset) and USB-C charging port (top left inset).

4.2 Receiver Connection

Connect the 6-channel receiver to your RC vehicle's Electronic Speed Controller (ESC) and servos. Refer to your vehicle's manual for specific port assignments.

- Connect the ESC to Channel 2 (Throttle) on the receiver.
- Connect the steering servo to Channel 1 (Steering) on the receiver.
- Connect any additional servos (e.g., for lights, winches, gear shifting) to Channels 3-6 as needed.
- Ensure all connections are secure and correctly oriented (signal, positive, negative).

4.3 Binding the Transmitter and Receiver

The transmitter and receiver are typically pre-bound from the factory. If re-binding is necessary, follow these steps:

1. Ensure the transmitter is turned OFF.

2. Connect the bind plug (not included, usually comes with ESC or receiver) to the BIND port on the receiver.
3. Power on the RC vehicle (which powers the receiver). The receiver's LED should flash rapidly, indicating it's in binding mode.
4. Press and hold the BIND button on the transmitter (usually located near the power switch or under a cover).
5. While holding the BIND button, turn on the transmitter.
6. The receiver's LED should turn solid, indicating successful binding.
7. Release the BIND button on the transmitter, then turn off both the transmitter and the RC vehicle.
8. Remove the bind plug from the receiver.
9. Turn on the transmitter first, then the RC vehicle. The system should now be linked and ready for operation.

5. OPERATING INSTRUCTIONS

5.1 Basic Controls

- **Steering Wheel:** Rotate the steering wheel left or right to control the direction of your RC vehicle.
- **Throttle Trigger:** Pull the trigger towards you to accelerate forward. Push the trigger away from you to brake or reverse.



Figure 5.1: Overview of the INJORA INT-T6M transmitter's main controls and adjustment dials.

5.2 Advanced Features and Adjustments

- **Throttle Speed Limit:** The unique throttle speed limit adjustment function allows beginners to practice quickly at a safe speed. This is typically controlled by a dial or switch on the transmitter, allowing you to limit the maximum throttle output.
- **Voltage Identification Alarm:** The transmitter features an automatic voltage identification alarm in 3 segments. It will provide a low voltage alarm at 4.4V, 7.4V, and 10.8V, helping you monitor battery levels.
- **Automatic Power Off & Alarm:** The transmitter will emit flashing music when switching on and off. It also features an automatic power off and alarm after 12 minutes of inactivity, and will switch off completely after 15 minutes with no current, conserving battery life.
- **Anti-Interference Technology:** Utilizing 2.4G spread spectrum technology and FHSS 67 channel pseudo-random

frequency hopping, the system boasts super anti-interference capabilities, ensuring a stable connection.

- **Brakes and Fail-Safe Protection:** The system is equipped with brake functionality and a fail-safe protection function, which is crucial for safety. Ensure the fail-safe is properly configured to prevent runaway vehicles in case of signal loss.
- **Channel Adjustments (Trims/Dials):** Use the various trim dials (e.g., ST.TRIM for steering trim, TH.TRIM for throttle trim) and D/R (Dual Rate) adjustments to fine-tune your vehicle's performance. Refer to the labels on the transmitter for specific functions.

6. MAINTENANCE

Proper maintenance will extend the life of your INJORA INT-T6M system.

- **Cleaning:** Use a soft, dry cloth to clean the transmitter and receiver. Do not use solvents or abrasive cleaners.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries from the transmitter if storing for long periods.
- **Inspection:** Periodically inspect all wires and connections for signs of wear or damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power to transmitter	Dead or incorrectly installed batteries.	Check battery polarity. Replace with fresh AA batteries.
No control/signal loss	Transmitter and receiver not bound; out of range; interference.	Perform binding procedure. Ensure vehicle is within control distance (400-450m). Move away from sources of interference.
Erratic control/glitching	Interference; loose connections; low battery voltage.	Check for interference. Secure all receiver connections. Check transmitter and vehicle battery levels.
Vehicle moves without input (fail-safe issue)	Fail-safe not set or incorrectly configured.	Re-bind the system and ensure fail-safe is properly set to a neutral or brake position.

8. SPECIFICATIONS

8.1 Transmitter (T6M)

- **Channels:** 6
- **Mode Type:** RC Car, Boat, Tank
- **Control Distance:** Approximately 400-450 meters
- **Voltage Input:** 4*AA Batteries (Not Included)
- **Voltage Range:** 4.8-12V (with automatic voltage identification alarm at 4.4V, 7.4V, 10.8V)
- **Net Weight:** 175g (0.38 lbs)
- **Dimensions:** 53mm (W) x 27mm (D) x 175mm (H) / 2.09 x 1.06 x 6.89 inches

- **Automatic Power Off:** After 12 minutes of inactivity (with alarm), complete shutdown after 15 minutes with no current.



Figure 8.1: Dimensions of the INJORA INT-T6M Transmitter.

8.2 Receiver

- **Frequency:** 2.4GHz
- **Type:** No Gyro
- **Voltage Range:** 4.8-10V
- **Operating Current:** 30mA
- **Dimensions:** 35mm (L) x 21mm (W) x 13.8mm (H)
- **Compatibility:** Supports work with high voltage servos.

9. WARRANTY & SUPPORT

For warranty information and technical support, please contact INJORA customer service through their official website or the retailer from whom you purchased the product. Keep your proof of purchase for warranty claims.

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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.

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