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> Radiolink T12D RC Transmitter Instruction Manual

ATA HOBBY T12D

Radiolink T12D RC Transmitter Instruction Manual

Brand: ATA HOBBY | Model: T12D

1. INTRODUCTION

The Radiolink T12D is a 12-channel 2.4G RC transmitter designed for a wide range of RC models including airplanes, drones, crawlers, cars, and boats. It supports various long-range modules like ELRS and TBS Crossfire, offering extended control range up to 4000 meters with a fast 3ms response time. The T12D features 50 model storage groups, 16 ID seed groups, real-time telemetry for RSSI, receiver, and model battery voltage, and a customizable menu interface with multiple language support. Its advanced programmable mix control allows for precise operation across different terrains, making it a versatile tool for RC enthusiasts.

2. WHAT'S IN THE BOX

- Radiolink T12D Transmitter (x1)
- Radiolink R12F Receiver (x1)
- Hook and Spring (x1)
- Type-C Cable (for upgrade) (x1)
- Packing Box (x1)
- Instruction Manual (x1)

Radiolink T12D Package List



T12D(Transmitter)*1



R12F(Receiver)*1



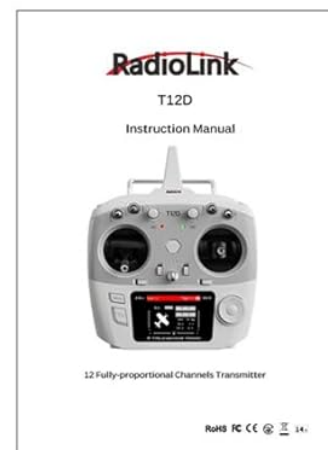
Hook and spring*1



Type-C Cable(Upgrade)*1



Packing Box*1



Instruction Manual*1

Figure 2.1: Contents of the Radiolink T12D package.

3. SETUP

3.1. Transmitter Overview



Figure 3.1: Radiolink T12D Transmitter with R12F Receiver.

The T12D transmitter features a 2.8-inch LCD display, dial knobs, 3/2 position switches, and bearing joysticks for precise control. It includes a Type-C port for firmware upgrades and a battery compartment. The VR knob automatically returns to the center position.



Figure 3.2: Key features and components of the T12D Transmitter.

3.2. Receiver Setup and Online Upgrade

The R12F 12-channel receiver is included with the T12D. It supports online upgrades. Connect the R12F receiver to your computer using a Type-C cable to easily add the latest functions without requiring additional devices.



R12F Receiver Supports Upgrade Online

Comes with R12F Receiver and a Type-C cable, connecting the R12F to the computer, the latest cutting-edge functions can be easily added without any extra device.

Figure 3.3: R12F Receiver connected for online firmware upgrade.

3.3. Subsidiary ID Function

The T12D supports a Subsidiary ID function, allowing the transmitter to control multiple receivers simultaneously or a specific device based on the selected Subsidiary ID. This is particularly useful for complex setups with multiple components or different models.

Your browser does not support the video tag.

Video 3.1: Demonstrates the Subsidiary ID Function of Radiolink T16D/T12D, showing how to bind multiple receivers and control them individually or simultaneously using the transmitter's settings.

To enable and configure the Subsidiary ID function:

1. Press the **Mode** button to enter the main menu.
2. Navigate to **Receiver Settings**.
3. Select **RF Settings**.
4. Locate the **Subsidiary ID** function, which is off by default. Turn it **On**.
5. The T12D supports up to 16 Subsidiary IDs. Each ID corresponds to one receiver. You can select the desired ID from the list.
6. To bind a receiver to a specific Subsidiary ID, power on the receiver and long-press its binding button until the LED goes solid. The transmitter's screen will show a signal tower, indicating successful binding.
7. To control a specific receiver when multiple are powered on, enable the Subsidiary ID function and select the corresponding ID on the transmitter. Only the selected receiver will respond to commands.
8. You can also assign a switch (e.g., Switch A) to quickly change between different Subsidiary IDs, allowing for dynamic control of multiple models or components. This can be configured in the **Advanced Settings > Conditions** menu, linking switch positions to different conditions that enable specific Subsidiary IDs.

4. OPERATING INSTRUCTIONS

4.1. Programmable Mix Control

The T12D allows for extensive customization with its programmable mix control. Any of the 12 channels can be mixed, and each channel can be customized to suit your specific DIY needs. This enables precise driving operations for various complex terrains and model types.

4.2. Real-time Telemetry

Monitor critical information in real-time with the T12D's telemetry capabilities. This includes:

- **RSSI (Received Signal Strength Indicator):** Indicates the strength of the signal from the receiver.
- **Receiver Voltage:** Displays the current voltage of the receiver.
- **Model Battery Voltage:** Provides real-time voltage readings of your model's battery.

5. MAINTENANCE

- Keep the transmitter and receiver clean and free from dust and debris.
- Store the unit in a dry place away from direct sunlight and extreme temperatures.
- Regularly check all connections for secure fit and signs of wear.
- Ensure batteries are charged appropriately and stored safely when not in use.
- Perform periodic firmware updates to ensure optimal performance and access to new features.

6. TROUBLESHOOTING

- **No Power:** Check battery connections and ensure batteries are fully charged. Verify correct polarity.
- **No Signal/Binding Issues:** Ensure both transmitter and receiver are powered on. Re-attempt the binding process as described in Section 3.3. Check for interference from other 2.4G devices.
- **Intermittent Control:** Check for loose connections on both the transmitter and receiver. Ensure antennas are properly positioned and not obstructed. Verify battery voltage levels.
- **Servo Malfunction:** Test servos individually to confirm functionality. Check wiring between receiver and servos. Ensure correct channel assignment.
- **Display Issues:** If the LCD is not functioning correctly, try restarting the transmitter. If the problem persists, contact customer support.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	6.85 x 8.15 x 4.21 inches
Item Weight	1.23 pounds
Country of Origin	China
Item Model Number	T12D
Manufacturer Recommended Age	14 years and up
Manufacturer	Radiolink

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact ATA HOBBY customer service. Refer to the contact details provided on the product packaging or the official ATA HOBBY website. Keep your purchase receipt as proof of purchase for warranty claims.

Visit the official ATA HOBBY Store for more information and product updates: [ATA HOBBY Store](#)
