Radioport™

User's Manual
Handbuch
RFモジュール･レシーバー取扱説明書
RF 모듈 / 리시버 사용 설명서

Tx 2.4GHz Radio Control

- **RP24TD9**
- **RP24TD9J**
- **RP24TD9M**

Receiver

- **RP24RA4D**
- **RP24RA5D/ RP24RS5DX**
- **RP24RA6D**
- **RP24RA8D**
- **RP24RA9D**

NEXTLINK

www.rcenjoy.com

*This user guide is subject to change without notice.

Ver. 2.0

English

Introduction

- The existing 2.4GHz Radio Control and receivers cause inconvenience to RC users because of restricted frequency use, which comes from FM radio technology.
- Utilizing digital spectrum technology within the 2.4 GHz ISM band, the Radiopost RF System provides secure radio link, high transmission speed and superb resolution allowing the device to respond quickly and accurately without interference. The Radiopost Tx 2.4GHz Radio Control and receivers offer a significant advantage of eliminating the possibility of interference.
- Each Tx 2.4GHz Radio Control is programmed with a unique identification code to communicate with its specified receiver. Once the receiver is paired with the Tx 2.4GHz Radio Control (called ID Setting), the receiver will only take data from this specific radio controller where the Tx 2.4GHz Radio Control is equipped, ignoring signals from other sources.
- The Radiopost Tx 2.4GHz Radio Control and receivers scan and select the superior channels that are not being used to avoid collision in channels and data loss between the Tx 2.4GHz Radio Control and the receiver.

FCC Information

- This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Precautions

Safety

Caution

- Read this manual before installation or use.
- Do not disassemble the Tx 2.4GHz Radio Control and the receiver because it may cause severe damage or problems.
- Install the Tx 2.4GHz Radio Control and the receiver after cutting off the power of the radio controller and RC models such as model aircrafts or helicopters or cars.
- The receiver should be turned on after the radio controller is switched on. When turning on the radio controller, be sure to put the throttle to the stop position.
- When switching off, make sure the engine or the motor of the RC models should be stopped. First, switch off the receiver then the radio controller. If this is not done in this order, it may cause temporary malfunctions.
- Prior to actual use and control of RC models, perform operation tests between the Tx 2.4GHz Radio Control and the receiver. If these tests fail, do not operate RC models.
- When installing the receiver in RC models, use impact protection materials to avoid damage to the receiver, which may be caused by the vibration of RC models or the impact from the outside.
- Do not alter length of antenna arbitrarily.
- The antenna should not be hidden by the RC model's main body or cover, coated with metallic paint or carbon fiber.
- Do not use Radiopost Tx 2.4GHz Radio Control and receivers together with Tx 2.4GHz Radio Control and receivers produced by other manufacturers.
- Do not operate the Tx module with two or more receivers.
- The receiver antenna shall be installed not to get affected by the magnetic field of power cables.

* Nextlink will not be responsible for damage caused by use which is prohibited.

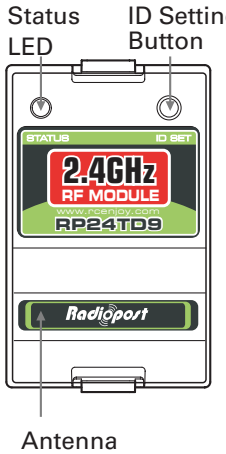
English

Name of Each Part

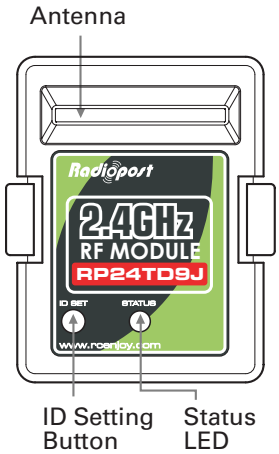
[For Futaba and Hitec radio controllers] [For JR radio controllers] [For Sanwa radio controllers]

▶Tx 2.4GHz Radio Control

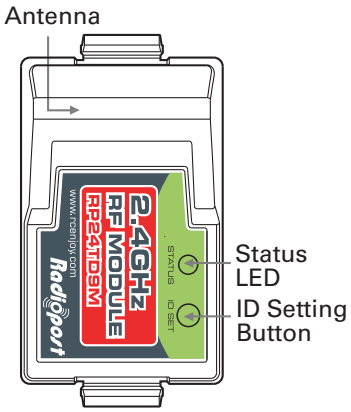
■ RP24TD9



■ RP24TD9J

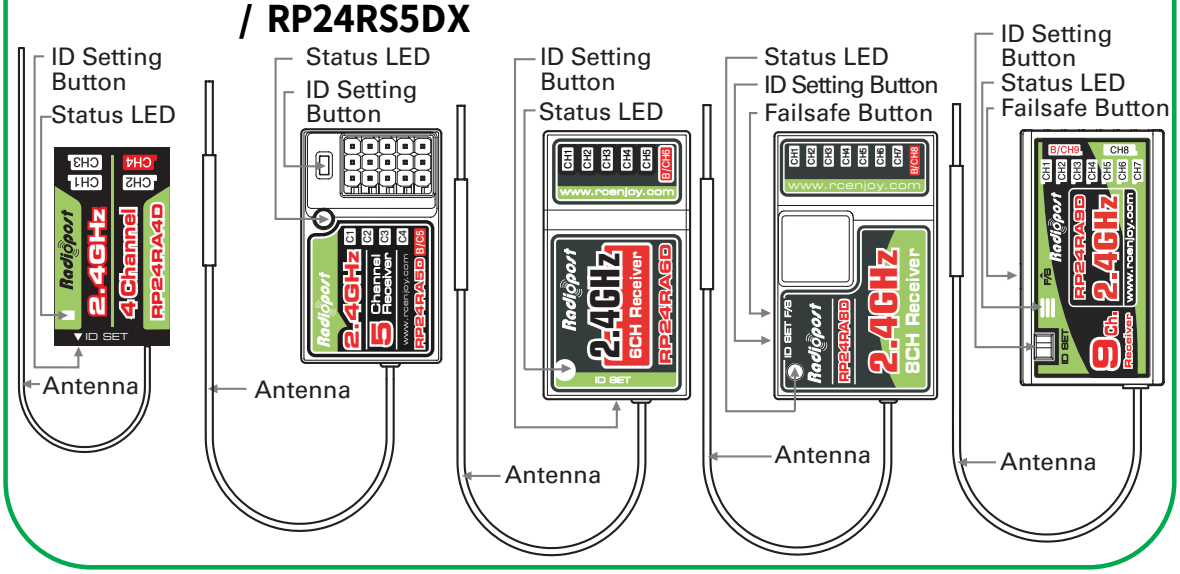


■ RP24TD9M



▶Receiver

■ RP24RA4D ■ RP24RA5D / RP24RS5DX ■ RP24RA6D ■ RP24RA8D ■ RP24RA9D



Features

- High stability is guaranteed by using 2.4 GHz ISM bandwidth.
- Crystal is not necessary due to automatic channel selection.
- ID Setting is checked by beeping sounds.
- Binding speed is superior.

Tx Module

- The embeddedTx 2.4GHz Radio Control antenna provides convenience for users when the stand is attached to the radio controller.
- RadiopostTx 2.4GHz Radio Control can be paired with any Radiopost receivers.

Receiver

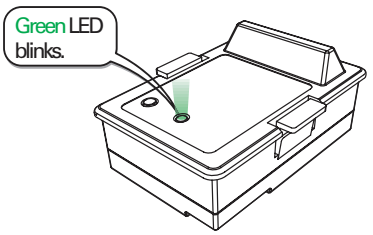
- It provides a wide range and high durability.
- It is a highly sensitive receiver which is less affected by intermodulation
- It is a universal type which can be used for model aircrafts, helicopters and cars.
- It is free from "NO CONTROL" after ID Setting.
- The Failsafe Function (only applied to RP24RA8D/ RP24RA9D) minimizes damage to RC models caused by accident.

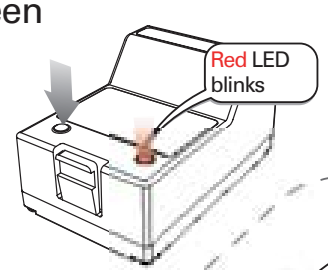
English

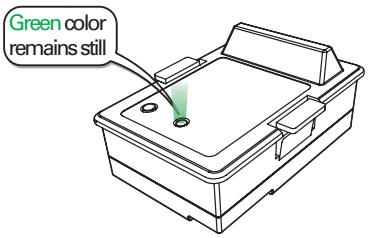
LED Status by Function

Tx Module

- When powered on for the first time, the green LED blinks turning into the receiver searching status.
- When ID Setting button is pressed, it turns into ID-Setting mode and the red LED blinks.
- When ID Setting is done, the LED turns green and the green color remains still.

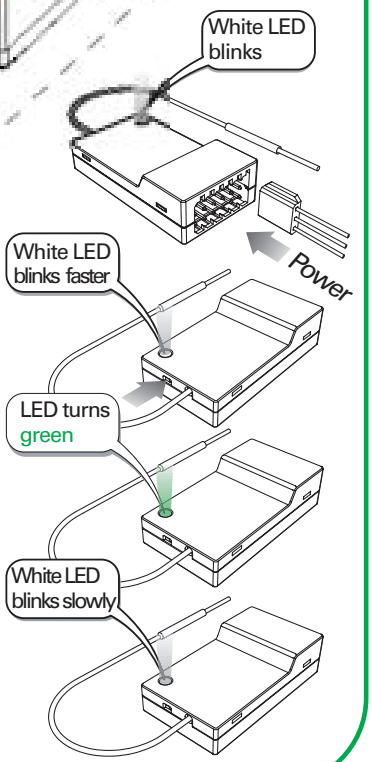






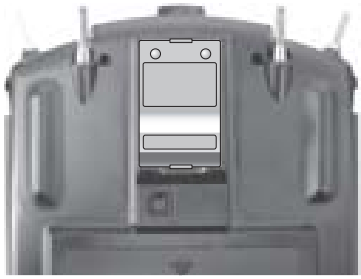
Receiver

- When powered on for the first time, the white LED blinks.
- When ID Setting button is pressed, the white LED blinks faster than previously.
- When ID Setting is done, the LED turns green and remains still.
- The white LED blinks slowly if there is no data transferred from the Tx 2.4GHz Radio Control

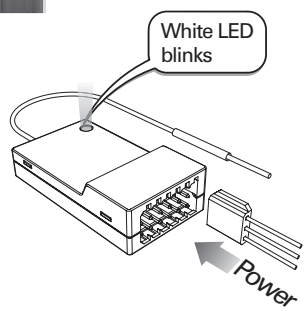


Installation Instructions

- Choose a Tx 2.4GHz Radio Control which is suitable for the radio controller and connect it to the controller after checking location of the connector pins.



- Mount the receiver on the proper position after checking the servo and the polarization of the batteries.
- The Tx module will beep for three times and the green LED will blink when users turn on the radio controller.



- Connect the power to the receiver. The white LED will begin to blink.
- Press the ID Setting button of the Tx module for 1 second. The red LED will start to blink.
- Press the ID setting button of the receiver for 1 second. The white LED will start to blink.
- When the ID setting is done, the LEDs of the Tx module and the receiver will turn green and the Tx module beeps twice.
- Check the movement of the servos by operating the lever of the radio controller.

Failsafe Function (Applied to Model RF24RA8D/ RF24RA9D only)

The Failsafe Function is used to redirect the servos to the designated location set by users in advance when there is a connection failure or data loss for 2 seconds during the flying session.

Failsafe Function Setup

Turning on the Failsafe Function

- Turn on the Tx 2.4GHz Radio Control first and then the receiver. Check the paring by moving the lever of the radio controller.
- By using the lever of the radio controller, set the positions of each servo to be redirected when the Failsafe mode gets started.
- Press the Failsafe Function button for 3 seconds. The LED will blink in red once, which means the Failsafe Function is activated.

Caution

* When users set the Failsafe Function with the receiver installed in the RC models, be sure to put the engine power channel of the radio controller in hold mode or cut off the engine power.

*When you buy the Tx 2.4GHz Radio Control and receivers, the Failsafe function is not activated. If wish to set the Failsafe function, please follow instructions described in the user guide.

Warranty

1. The warranty period for this product is 12 months from the date of retail purchase. The warranty covers any defects in materials and workmanship under normal use.
2. Limitations: Even within the warranty period, service charges may be required for the followings:
   - The damage caused by accident, abuse, misuse, flood, earthquake or other external causes.
   - The damage caused by the service performed by anyone who is not a representative of Radiopost or a Radiopost authorized service provider.
   - The products or parts that have been modified to alter functionality or capability without approval of Radiopost.
   - In case the seal on the module is defected or detached.
3. This warranty covers repairs of defected hardware at no charge, exchange of it for the product which is new or equivalent to new in performance and reliability and a refund of the purchase price.
4. If there are any product defects that arise, please contact the retail store or the contact information below.

Name of Products	Tx	RP24TD9 / RP24TD9J / RP24TD9M
	Receiver	RP24RA4D / RP24RA5D / RP24RS5DX / RP24RA6D / RP24RA8D / RP24RA9D

Date of purchase		Warranty period: 12 months from date of retail purchase
Dealer or store		Price:
Tel.		Remarks:

Customer	Name	
	Address	
	Tel.	

Repair Service

- If any difficulties are encountered while setting up or operating the modules, please consult this instruction manual first. For further assistance you may also refer to your hobby dealer, or contact Radiopost Service Center at the web site or call or fax us at the numbers below;
- Web site: www.rcenjoy.com

- Europe, Asia Pacific
- Tel.: +82-31-737-6060
- Fax: +82-31-737-6263
- Email: arex@nextlink.co.kr

- North America, Latin America
- Tel.: +1-949-273-8282
- Fax: +1-949-273-8285
- Eamil:anthony@nextlink.co.kr

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is con-nected.

• Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, (example - use only shielded interface cables when connecting to computer or peripheral devices). Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

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IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOIDTHE USER S AUTHORITY TO OPERATE THE EQUIPMENT.

IMPORTANT Safety Instruction:

CAUTION

To reduce the risk of electric shock, do not remove the top cover (or the rear section).
No user serviceable parts inside, refer servicing to qualified personnel.

This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure-voltage that may be sufficient to constitute a risk of sock.

This symbol, wherever it appears, alerts you to the important operating and maintenance instructions in the accompanying literature. Please read the manual.

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this equipment near water.

6) Do not using near any heat sources such as radiators, heat resisters, stove, or other equipment that produce heat.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS