

TECKEEN R88

TECKEEN R88 2.4GHz 8CH PWM Nano RC Receiver Instruction Manual

Model: R88

INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your TECKEEN R88 2.4GHz 8-channel PWM Nano RC Receiver. Please read this manual thoroughly before using the product to ensure safe and efficient operation.

SAFETY INFORMATION

- Ensure correct polarity when connecting power to avoid damage to the receiver or other components.
- Operate RC equipment in open areas, away from obstacles, people, and other radio interference sources.
- Always turn on your transmitter first, then the receiver. Turn off the receiver first, then the transmitter.
- Verify all control surfaces move correctly and in the right direction before flight or operation.
- Keep the receiver away from water, moisture, and extreme temperatures.

PRODUCT FEATURES

- **Channels:** 8
- **Frequency Range:** 2400-2483.5Mhz
- **Power Input Range:** 4.5-8.4V
- **Signal Format:** D8
- **Output Format:** PWM
- **Support Return:** RSSI
- **Range:** Over 1km
- **Antenna Length:** 15cm
- **Weight:** 11g



Image: A close-up view of the TECKEEN R88 receiver, highlighting the 'BIND' button, LED indicator, and the 8 PWM channel output ports labeled CH1 through CH8. The power input range DC4.5-8.4V is also visible.

SETUP

Binding Procedure (FrSky D8 Mode)

1. Power on your FrSky D8 compatible transmitter and select D8 mode.
2. Put the transmitter into bind mode. Refer to your transmitter's manual for specific instructions.
3. Connect power to the R88 receiver while holding down the **BIND** button. The LED on the receiver should flash rapidly, indicating it is in bind mode.
4. Once the binding process is complete on the transmitter, the LED on the receiver should turn solid, indicating a successful bind.
5. Power cycle both the transmitter and receiver to exit bind mode and confirm the connection.

Connecting Servos and ESC

Connect your servos and Electronic Speed Controller (ESC) to the corresponding PWM output channels (CH1-CH8) on the receiver. Ensure correct polarity: signal (S) pin, positive (+), and negative (-) are clearly marked on the receiver and your components.



Image: The TECKEEN R88 receiver shown with a standard servo cable connected to one of its PWM output ports, illustrating the connection method.

OPERATING INSTRUCTIONS

After successful binding and connection of all components, power on your transmitter first, then the receiver. The receiver's LED should be solid, indicating a stable link. Test all control surfaces and motor functions before operating your RC model.

RSSI (Received Signal Strength Indication)

The R88 receiver supports RSSI return. This feature allows your transmitter to display the signal strength received by the receiver, providing valuable information about your link quality during flight. Consult your transmitter's manual for instructions on how to enable and display RSSI.

MAINTENANCE

- Keep the receiver clean and free from dust, dirt, and debris.
- Regularly inspect antenna wires for damage, kinks, or cuts. Damaged antennas can significantly reduce range and signal reliability.
- Ensure all electrical connections are secure and free from corrosion before each use.
- Store the receiver in a dry, cool environment, away from direct sunlight and static electricity, when not in use.

TROUBLESHOOTING

Receiver not binding:

Ensure your transmitter is in FrSky D8 mode. Verify the bind button is held down while powering the receiver. Check that the transmitter and receiver are within close proximity (e.g., 1 meter) during the binding process.

No control after binding:

Confirm the receiver LED is solid, indicating a successful link. Check all servo and ESC connections for correct polarity and secure fit. Ensure your transmitter is powered on and operating correctly, and that the model memory is selected.

Reduced range or intermittent signal:

Inspect receiver antennas for damage or kinks. Ensure antennas are positioned correctly, ideally at a 90-degree angle to each other, and away from carbon fiber or metal components that can shield the signal. Avoid operating near strong Wi-Fi or other 2.4GHz interference sources.

SPECIFICATIONS

Parameter	Value
Channels	8
Frequency Range	2400-2483.5Mhz
Power Input Range	4.5-8.4V
Signal Format	D8
Output Format	PWM
Support Return	RSSI
Range	> 1km
Antenna Length	15cm
Size	40 x 26 x 16mm
Weight	11g
Item Weight	0.352 ounces
Package Dimensions	3.94 x 3.15 x 0.79 inches

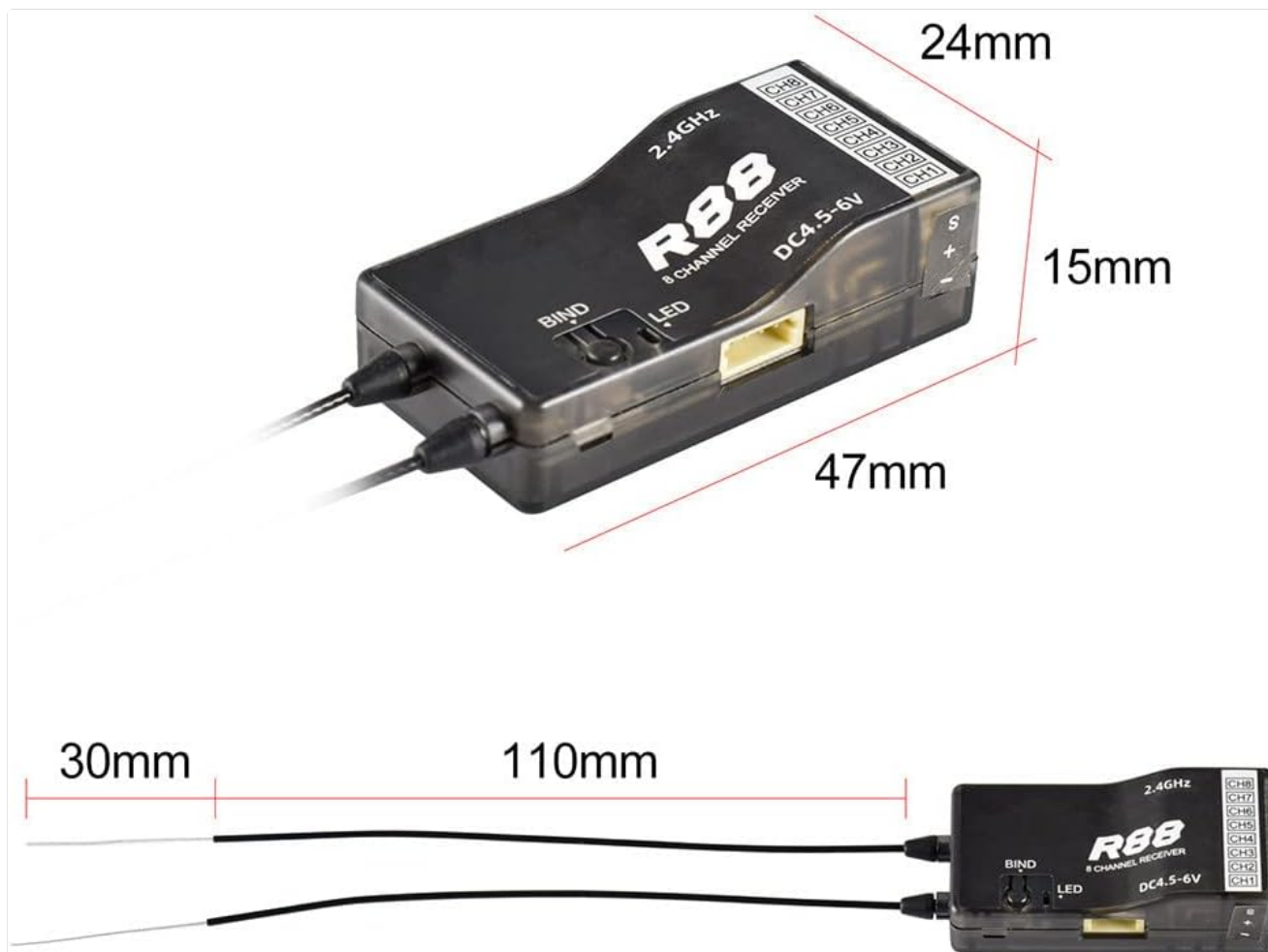


Image: A diagram showing the physical dimensions of the TECKEEN R88 receiver, including its length, width, and height, along with antenna lengths.

PACKAGE CONTENTS

- 1x TECKEEN R88 2.4GHz 8CH PWM Nano RC Receiver

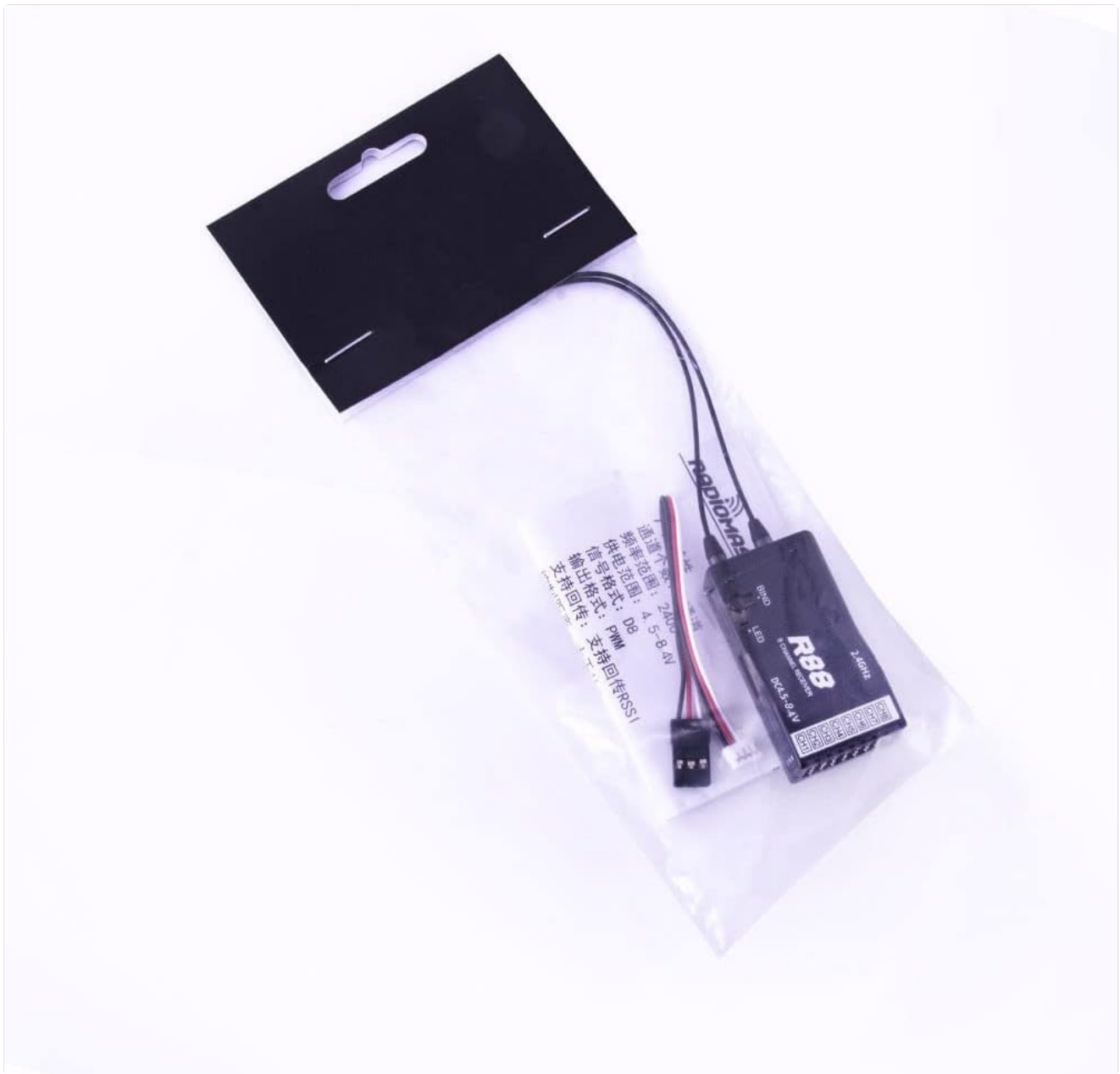


Image: The TECKEEN R88 receiver sealed in its clear plastic retail packaging, showing the product as it would be received.

WARRANTY AND SUPPORT

For warranty information or technical support, please contact the manufacturer, TECKEEN, directly through their official channels or the retailer from whom you purchased the product. Please retain your proof of purchase for any warranty claims.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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.

Submit question