

Radiomaster ER4

Radiomaster ER4 2.4GHz 4CH ExpressLRS ELRS PWM Receiver Instruction Manual

Brand: Radiomaster | Model: ER4

1. INTRODUCTION

The Radiomaster ER4 2.4GHz 4CH ExpressLRS (ELRS) PWM Receiver is engineered for high performance, reliability, and flexible configuration in various remote-controlled applications. Based on the revolutionary ExpressLRS system, it offers fast response speeds and ultra-long range capabilities. This receiver is designed to provide precise control and essential telemetry data for fixed-wing aircraft, RC cars, boats, and tanks.

Key features include built-in receiver voltage telemetry, flight battery telemetry with automatic voltage detection, and support for Wi-Fi updates and WEBUI configuration. Its robust design ensures durability and ease of use for enthusiasts and hobbyists.



Figure 1: Radiomaster ER4 PWM Receiver highlighting its compact design. This receiver is lightweight and small, making it suitable for various small aircraft, boats, and cars.

2. PACKAGE CONTENTS

- 1x Radiomaster ER4 2.4GHz 4CH ExpressLRS ELRS PWM Receiver
- 1x Voltage Telemetry Wire
- 1x CRSF Wire
- 1x ELRS-RX-SBUS Wire
- 1x User Card



Figure 2: The Radiomaster ER4 receiver shown in its retail packaging with included wires and user card.

3. SPECIFICATIONS

- **Model:** ER4
- **Frequency:** 2.4GHz

- **Channels:** 4 PWM Channels
- **Input Voltage:** 4.5V - 8.4V DC
- **Dimensions:** 1.85 x 1.3 x 0.58 inches (approx. 30mm x 15mm x 5mm)
- **Weight:** Approximately 2.69 grams
- **Antenna:** High sensitivity 20 cm dual antenna with UFL connector
- **Telemetry:** Built-in receiver voltage telemetry, flight battery telemetry (with external input)
- **Configuration:** Wi-Fi updates and WEBUI configuration
- **Interface:** 4-wire CRSF interface for optional telemetry sensors

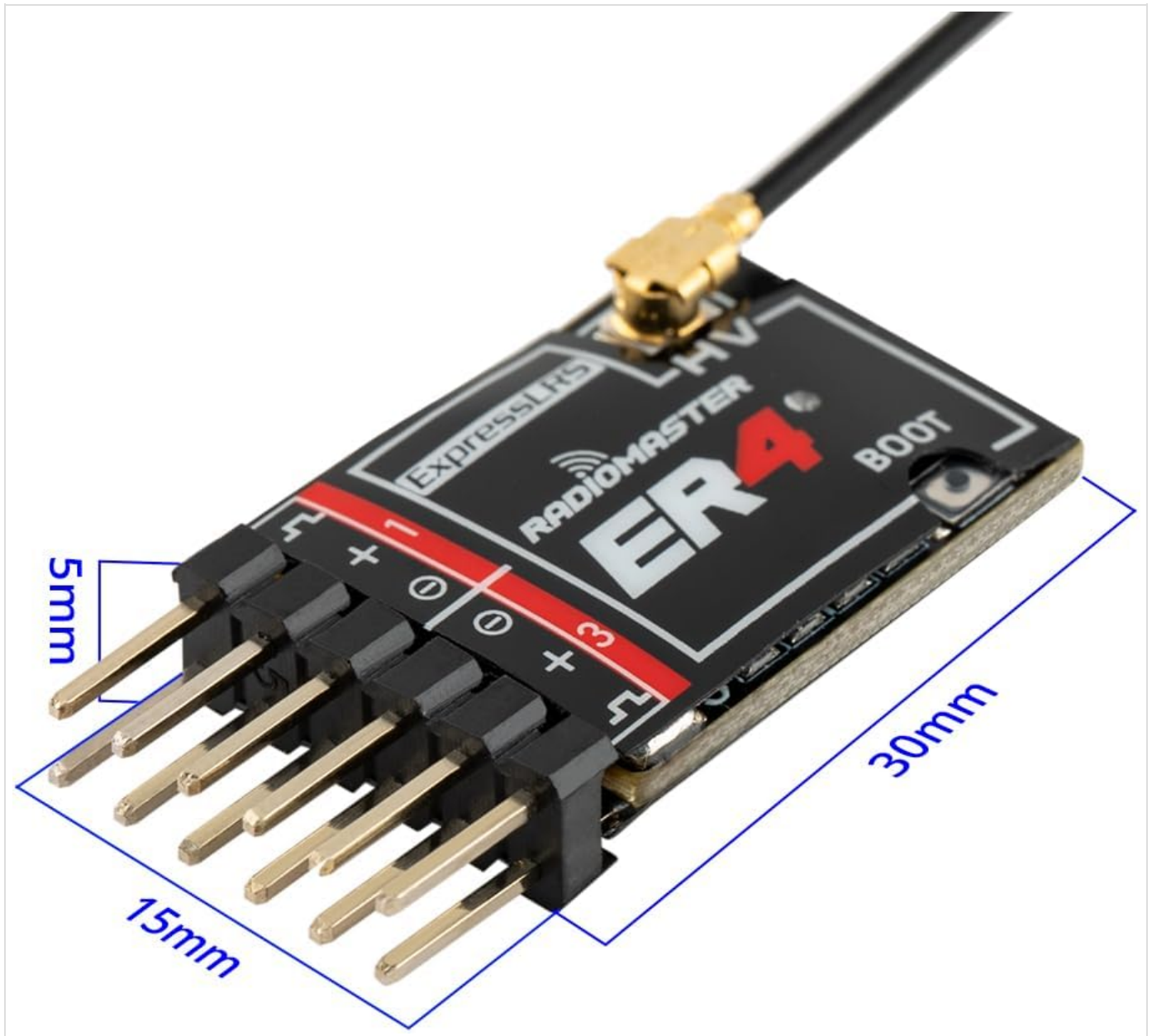


Figure 3: Detailed dimensions of the Radiomaster ER4 receiver, showing its compact size for easy integration.



Figure 4: The Radiomaster ER4 receiver displayed on a digital scale, indicating its lightweight design at approximately 2.69 grams.

4. SETUP

4.1 Connecting the Receiver

The ER4 receiver features standard PWM pin headers for connecting servos and power. Ensure correct polarity when connecting power (4.5V - 8.4V DC) to the designated BAT pins.

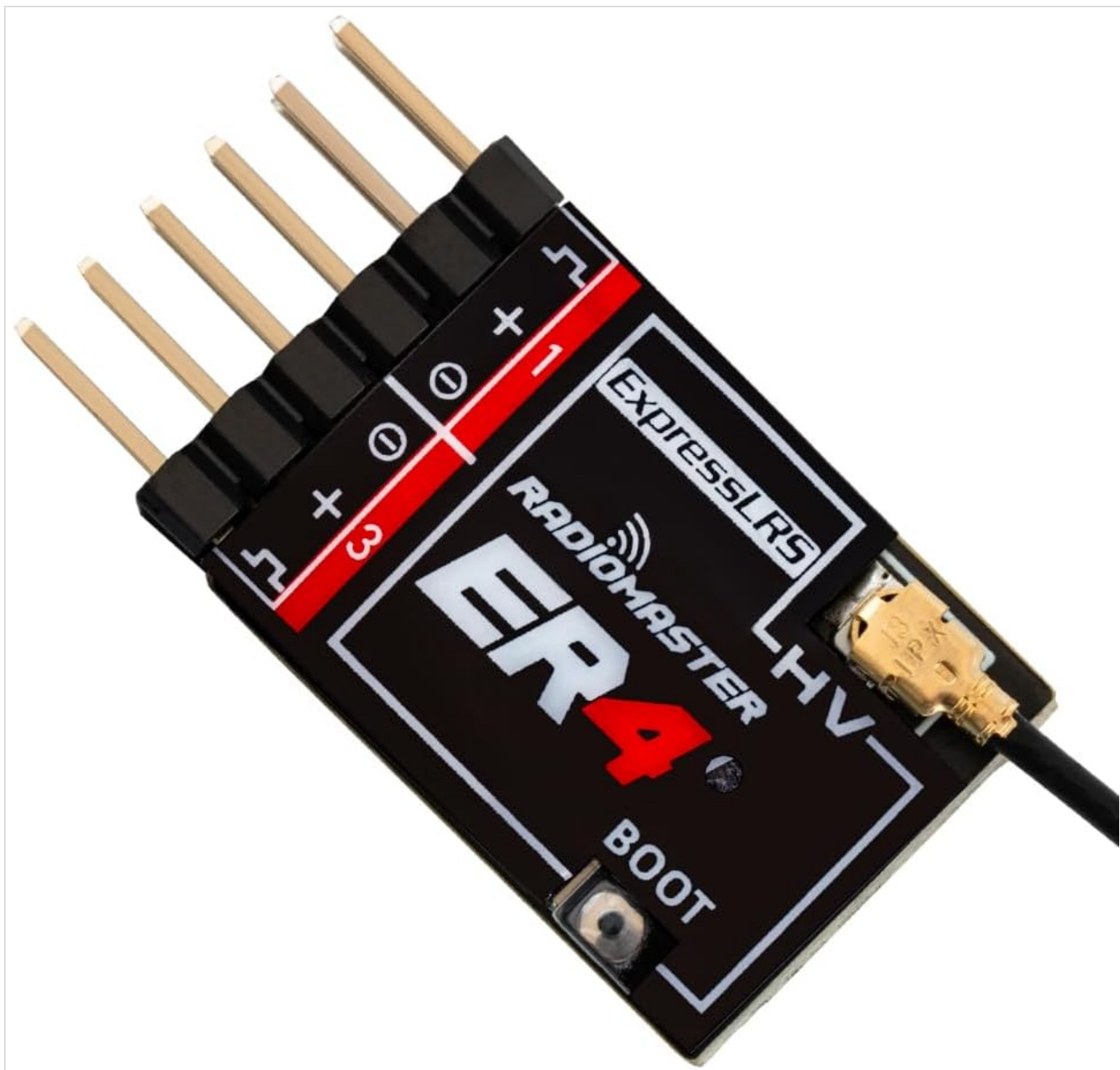


Figure 5: Front view of the Radiomaster ER4 receiver, showing the PWM output pins (CH1-CH4) and battery input (BAT).

4.2 Antenna Installation

The ER4 receiver comes with a high sensitivity 20 cm dual antenna. It connects via a UFL connector. Ensure the antenna is securely attached and positioned for optimal signal reception.

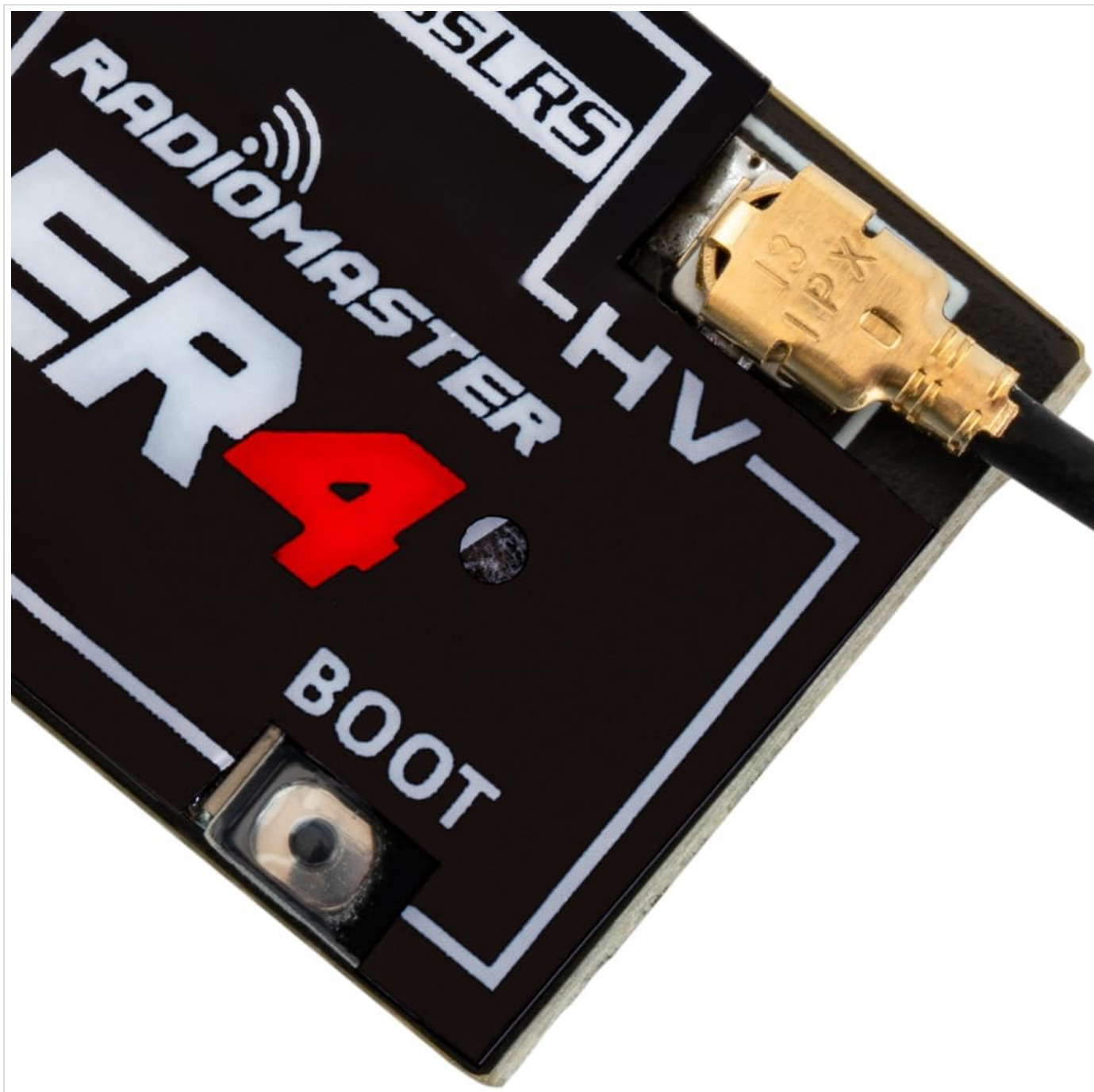


Figure 6: Close-up view of the UFL antenna connector on the Radiomaster ER4 receiver, next to the BOOT button.

4.3 Binding Procedure (Traditional Binding)

For traditional binding, the binding phrase must be commented out in `user_defines` on the RX.

1. Power off your transmitter.
2. Plug in and unplug your receiver three times.
3. Make sure the LED is doing a quick double blink, which indicates the receiver is in bind mode.
4. Use the [BIND] button on the ExpressLRS Lua script, which sends out a binding pulse.
5. If the receiver has a solid light, it's bound!

Video 1: This video demonstrates the binding process for Radiomaster ER series receivers, including the ER4. It shows the power cycling method and interaction with the transmitter's LUA script for successful binding.

5. OPERATING MODES AND FEATURES

5.1 LED Indicator Meanings

Status Light	Meaning
Slow flash (500ms)	Waiting for transmitter
Fast flash (25ms)	Wi-Fi On
Double flash	Receiver in bind mode
Triple flash	Receiver functional, mode selection error
Solid light	Receiver functional (Connected)

5.2 Voltage Telemetry

The ER4 receiver supports built-in receiver voltage telemetry and can also provide flight battery telemetry with automatic detection of voltage input when an external battery is connected to the EXT-V port.

5.3 Wi-Fi Update and Configuration

The receiver supports Wi-Fi updates and WEBUI configuration, ensuring your receiver is always up-to-date and easily configurable. This allows for convenient firmware upgrades and parameter adjustments.

6. MAINTENANCE

- Keep the receiver clean and free from dust or debris.
 - Regularly check all wire connections for secure fit and signs of wear.
 - Ensure the antenna is not damaged and is positioned optimally for signal reception.
 - Perform firmware updates via Wi-Fi as recommended by Radiomaster for optimal performance and new features.
-

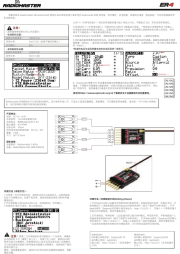
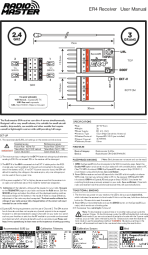
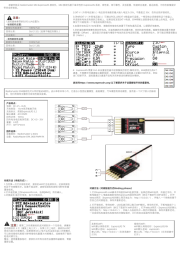
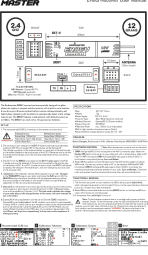
7. TROUBLESHOOTING

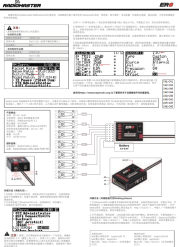
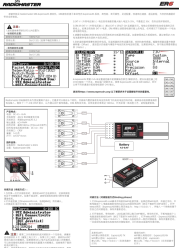
- **Binding Failure:** Ensure your transmitter's ExpressLRS LUA script is updated and the binding phrase is correctly set or commented out on the receiver. Follow the binding procedure carefully.
 - **No Telemetry Data:** Verify all telemetry wires are correctly connected. For external battery telemetry, ensure the battery is properly connected to the EXT-V port.
 - **Intermittent Signal:** Check antenna placement and ensure it is not obstructed by carbon fiber or other conductive materials. Ensure the antenna is securely connected to the UFL port.
 - **Receiver Not Powering On:** Check power connections and ensure the input voltage is within the specified 4.5V - 8.4V range.
-

8. WARRANTY AND SUPPORT

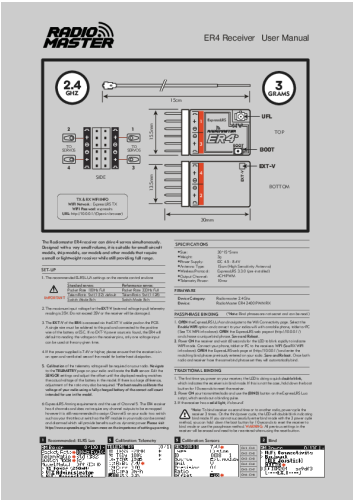
For warranty claims, technical support, or further assistance, please refer to the contact information provided on the user card included in your package or visit the official Radiomaster website.

Related Documents - ER4

	RadioMaster ER4 2.4GHz ELRS PWM Receiver User Manual This document provides detailed instructions and specifications for the RadioMaster ER4 2.4GHz ELRS PWM Receiver, covering setup, binding, telemetry, and product features for hobbyist applications.
	RadioMaster ER4 2.4GHz ExpressLRS Receiver User Manual Comprehensive user manual for the RadioMaster ER4 2.4GHz ExpressLRS receiver, covering setup, specifications, binding procedures, and telemetry calibration for RC models.
	Radiomaster ER4 ExpressLRS RC Receiver: Features, Specifications, and Setup Guide Comprehensive guide to the Radiomaster ER4 ExpressLRS RC receiver, detailing its features, performance, setup instructions, and technical specifications for hobbyists.
	RadioMaster ER8GV 2.4GHz ELRS PWM Receiver User Manual Comprehensive user manual for the RadioMaster ER8GV 2.4GHz ELRS PWM Receiver, detailing setup, specifications, firmware, and binding procedures. Features built-in Vario and telemetry.

	RadioMaster ER8 ELRS Receiver User Manual and Setup Guide Comprehensive guide for the RadioMaster ER8 ELRS receiver, covering setup, binding, telemetry, and product features for fixed-wing aircraft.
	Radiomaster ER6 ELRS Receiver: Features, Setup, and Binding Guide Comprehensive guide to the Radiomaster ER6 ELRS receiver, covering its features, technical specifications, setup instructions, and binding methods for optimal performance in RC hobbies.

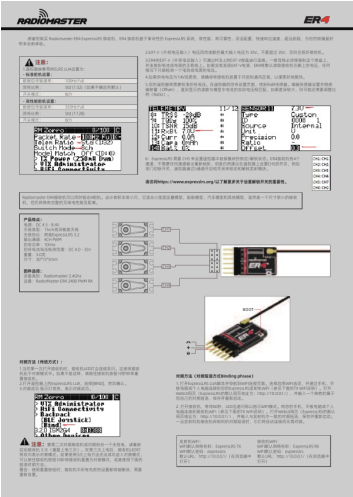
Documents - Radiomaster – ER4



[RadioMaster ER4 2.4GHz ExpressLRS Receiver User Manual](#)

Comprehensive user manual for the RadioMaster ER4 2.4GHz ExpressLRS receiver, covering setup, specifications, binding procedures, and telemetry calibration for RC models.

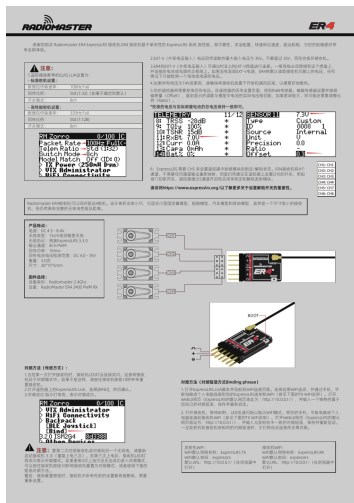
lang:en score:44 filesize: 893.58 K page_count: 2 document date: 2024-07-04



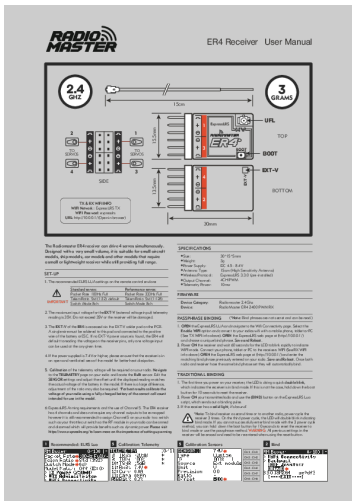
[Radiomaster ER4 ExpressLRS RC Receiver: Features, Specifications, and Setup Guide](#)

Comprehensive guide to the Radiomaster ER4 ExpressLRS RC receiver, detailing its features, performance, setup instructions, and technical specifications for hobbyists.

lang:en score:43 filesize: 2.66 M page_count: 2 document date: 2023-06-12



lang:en score:37 filesize: 2.7 M page_count: 2 document date: 2023-06-21



[\[pdf\]](#) User Manual Specifications

ER4 RadioMaster 4 Channel ELRS PWM Receiver User ManualRadioMaster HP0157 RX Motion

RCRadioMaster Manualcdn shopify s files 1 1052 4162 Manual ManualER4 Manualxcopter ||| ||| ER4

Receiver User Manual 2.4 GHZ 2 TO SERVOS 4 SIDE 1 TO SERVOS 3 TX RX WIFI INFO WIFI

Network : ExpressLRS TX WIFI Password: expresslrs URL: http:/ /10.0.0.1/ Open in browser 13.5mm

15.5mm 15cm 3 GRAMS 1 ExpressLRS 3 BOOT 4 2 EXT -V UFL TO

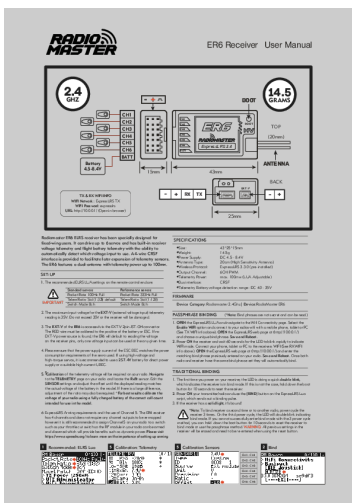
ER4 Receiver User Manual 2.4 GHZ 2 TO SERVOS 4 SIDE 1 TO SERVOS 3 TX RX

WIFI INFO WIFI Network : ExpressLRS TX WIFI Password: expresslrs URL: http:/

/10.0.0.1/ Open in browser 13.5mm 15.5mm 15cm 3 GRAMS 1 ExpressLRS 3 BOOT

4 2 EXT -V UFL TOP bOOT EXT-V BOTTOM 30mm The Radiomaste...

lang:en **score:34** filesize: 893.58 K page_count: 2 document date: 2024-07-04



[RadioMaster ER6 2.4GHz ELRS PWM Receiver User Manual](#)

User manual for the RadioMaster ER6 2.4GHz ELRS PWM receiver, detailing specifications, setup, binding procedures, and telemetry calibration for fixed-wing aircraft.

lang:en **score:33** filesize: 921.22 K page_count: 2 document date: 2024-07-04

RadioMaster ExpressLRS USB UART Flasher Connection Guide

Detailed connection diagrams and instructions for using the RadioMaster ExpressLRS USB UART Flasher with various RadioMaster RC products. Includes specifications and bootloader mode activation.

lang:it score:32 filesize: 675.59 K page_count: 1 document date: 2024-01-16

[\[pdf\]](#)

ER4 1 1RZ 15 ER4 UserMan US Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER4 er4

ER4 Thank you for purchasing the Radiomaster **ER4** ExpressLRS receiver. The **ER4** receiver is based on the revolutionary ExpressLRS system. It offers high performance, high reliability, flexible configuration, fast response speed and ultra-long range bringing you brand new experience with your hobby. ...

lang:en score:31 filesize: 252.52 K page_count: 1 document date: 2023-07-18

Declaration concerning Antenna Specification

It is hereby declared that the product

Model No.: ER4
FCC ID : 2B8P3-ER4

fulfills the requirement in FCC test relating to the antenna type

The device specified above confirms to the FCC recommendations for MPE/antenna type(s) described below:

Model No. of antenna:	ER4
Type of antenna:	Monopole Antenna
Gain of the antenna:	-0.27 dBi
Frequency range:	2.4G: 2400~2500MHz
Model No. of antenna:	2.4G ANT
Type of antenna:	PCB Antenna
Gain of the antenna:	-0.68 dBi
Frequency range:	WiFi/BLE: 2400~2500MHz

The mounting of the antenna is fixed to the radio module and no other antenna should be used.

Company name: Shenzhen Radiomaster Co., Ltd
Address: 4F Yangshan Building, Xianan Street, Bao'an District, Shenzhen, Guangdong, China
City: Shenzhen
ZIP / Postal code: _____
Country: China
Place: Shenzhen Date: 7/27/2023
Signature: Owen Lee

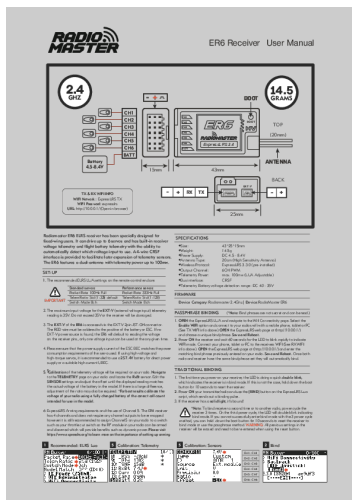
version 01

[\[pdf\]](#) Specifications Decleration of Conformity

Data 17 ER4 AntSpec p1 r1 Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER4 er4

Shenzhen Radiomaster Co.,Ltd Declaration concerning Antenna Specification It is hereby declared that the product Model No.: **ER4** FCC ID : 2BBP3-**ER4** fulfills the requirement in FCC test relating to the antenna type. The device specified above confirms to the FCC recommendations for internal anten...

lang:en score:30 filesize: 79.3 K page_count: 1 document date: 2023-07-29



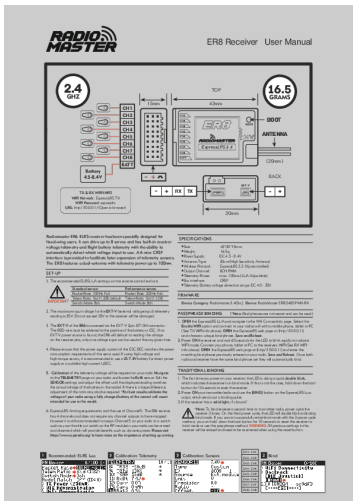
[\[pdf\]](#) User Manual Specifications

ER6 RadioMaster 6 Channel ELRS PWM Receiver User ManualRadioMaster HP0157 RX Motion

RCRadioMaster Manualcdn shopify s files 1 1052 4162 Manual |||

ER6 Receiver User Manual 2.4 GHZ 14.5 boot GRAMS CH1 C H1 CH2 C H2 CH3 C
H3 BOOT TOP 2 CH4 ... er has a solid light, it's bound 6: ExpressLRS Arming
requirements and the use of Channel 5. The **ER4** receiver has 4 channels and does
not require any channel outputs to be re-mapped however it is s...

lang:en score:30 filesize: 921.22 K page_count: 2 document date: 2024-07-04



[pdf] User Manual Specifications

ER8 RadioMaster 8 Channel ELRS PWM Receiver User ManualRadioMaster HP0157 RX Motion

RCRadioMaster Manualcdn shopify s files 1 1052 4162 Manual |||

ER8 Receiver User Manual 2.4 GHZ 2 Battery 4.5-8.4V CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8 BATT 15mm TO ... er has a sol id light, it s bound 6: ExpressLRS Arming requirements and the use of Channel 5. The **ER4** receiver has 4 channels and does not require any channel outputs to be re-mapped however it is s...

lang:en score:29 filesize: 923.48 K page_count: 2 document date: 2024-07-27



[pdf]

COMPANY LETTERHEAD Baschin 48 ER4 US Agent 2 911 d 7 Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER4 er4

- Shenzhen Radiomaster Co.,Ltd - Federal Communications Commission Authorization and Evaluation Divi ... ir agent for service of process for the equipment for which authorization is sought FCC ID: 2BBP3-**ER4** : Name and company of U.S. agent:SUN BEYOND CONSULTING LTD Physical U.S. address of agent:OFFI... lang:en score:29 filesize: 117.74 K page_count: 2 document date: 2023-07-27



[pdf]

COMPANY LETTERHEAD Baschin 62 ER4 CoveredEqu 2 911 d 5 i and ii Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER4 er4

- Shenzhen Radiomaster Co.,Ltd - Federal Communications Commission Authorization and Evaluation Divi ... aster Co.,Ltd , hereby certify that the equipment for which authorization is sought FCC ID: 2BBP3-**ER4** is not covered equipment prohibited from receiving an equipment authorization pursuant to 2... lang:en score:28 filesize: 100.73 K page_count: 1 document date: 2023-07-27

[pdf] Guide

v2 UART OriginHobbiesER5C i ER5C V2 Press Boot button when connecting power LED will be solid to indicate boot loader mode be USB Tool Connection Guideoriginhobbies 2024 01 USB Guide srsItd AfmBOorHI2pnOUwAU5CE9B3O7O r6MDRiOWMGHZFBjG9ICp0e RhzjAF OriginHobbiesUART GuideUSB RhzjAForiginhobbies

AfmBOoo4deZYx8QnQusCmnu3W1nCTA6RK6WYvigRWjG6TJ842eXgDKrT be Drive program radiomasterrc products radiomaster expresslrs ER3CI ER4 ER5CI ER5CV2 ER5AV2 ER6G ER6GV ER6 ER8 ER8G ER8GV USB

AfmBOoo4deZYx8QnQusCmnu3W1nCTA6RK6WYvigRWjG6TJ842eXgDKrToriginhobbies AfmBOoo4bUzjNyhDzclD5qMvFLKVRjbrQvm8EKmAi Dw0sLVHek63oz Dw0sLVHek63ozoriginhobbies

AfmBOopETVfWrq9egj2VxJU4DRHyUb7qLR1Lw7wqNvR nboz1 E2r7J5 E2r7J5originhobbies AfmBOoqjJ62aMC JIG3fQ4A7Mdfu8BaS5gK5zfo3sFHgliN9GK8bUYI JIG3fQ4A7Mdfu8BaS5gK5zfo3sFHgliN9GK8bUYIoriginhobbies

AfmBOor5gaMvKPK0V1Yk5asYK6X6t5z9YKAmoMm KcLBT78MbQc4RQ9t V2ER5C KcLBT78MbQc4RQ9toriginhobbies

AfmBOorgjaSTJZfCxCSMQnvjyKqHwX5IgDdqmhucQU2C4Hq4i439C4VA ER3CI LED power USB AfmBOoriVtEDjy5qht8DbQzebi0bUSYdIGloRj kZI05USBTqmVleFceoriginhobbies ||| ||| UART USB Type-

A 5V USB Working voltage Type-A 5V 3.3V/5V Output voltage 3.3V/5V 500mA Overload protection 500mA Drive programwww.radiomasterrc.com/products/radiomaster-expresslrs-usb-uart-flasher _pos=1 _sid=00785278d _ss=r USB 21.5mm 57.7m ||| UART USB Type-A 5V USB Working voltage Type-A 5V

3.3V/5V Output voltage 3.3V/5V 500mA Overload protection 500mA Drive programwww.radiomasterrc.com/products/radiomaster-expresslrs-usb-uart-flasher _pos=1 _sid=00785278d _ss=r USB 21.5mm 57.7m ||| UART USB Type-A 5V USB Working voltage Type-A 5V

3.3V/5V Output voltage 3.3V/5V 500mA Overload protection 500mA Drive programwww.radiomasterrc.com/products/radiomaster-expresslrs-usb-uart-flasher _pos=1 _sid=00785278d _ss=r USB 21.5mm 57.7m ||| UART USB Type-A 5V USB Working voltage Type-A 5V

3.3V/5V Output voltage 3.3V/5V 500mA Overload protection 500mA Drive programwww.radiomasterrc.com/products/radiomaster-expresslrs-usb-uart-flasher _pos=1 _sid=00785278d _ss=r USB 21.5mm 57.7m ||| UART USB Type-A 5V USB Working voltage Type-A 5V

3.3V/5V Output voltage 3.3V/5V 500mA Overload protection 500mA Drive programwww.radiomasterrc.com/products/radiomaster-expresslrs-usb-uart-flasher _pos=1 _sid=00785278d _ss=r USB 21.5mm 57.7m ||| UART USB Type-A 5V USB Working voltage Type-A 5V

3.3V/5V Output voltage 3.3V/5V 500mA Overload protection 500mA Drive programwww.radiomasterrc.com/products/radiomaster-expresslrs-usb-uart-flasher _pos=1 _sid=00785278d _ss=r USB 21.5mm 57.7m ||| UART USB Type-A 5V USB Working voltage Type-A 5V

3.3V/5V Output voltage 3.3V/5V 500mA Overload protection 500mA Drive programwww.radiomasterrc.com/products/radiomaster-expresslrs-usb-uart-flasher _pos=1 _sid=00785278d _ss=r USB 21.5mm 57.7m ||| UART USB Type-A 5V USB Working voltage Type-A 5V

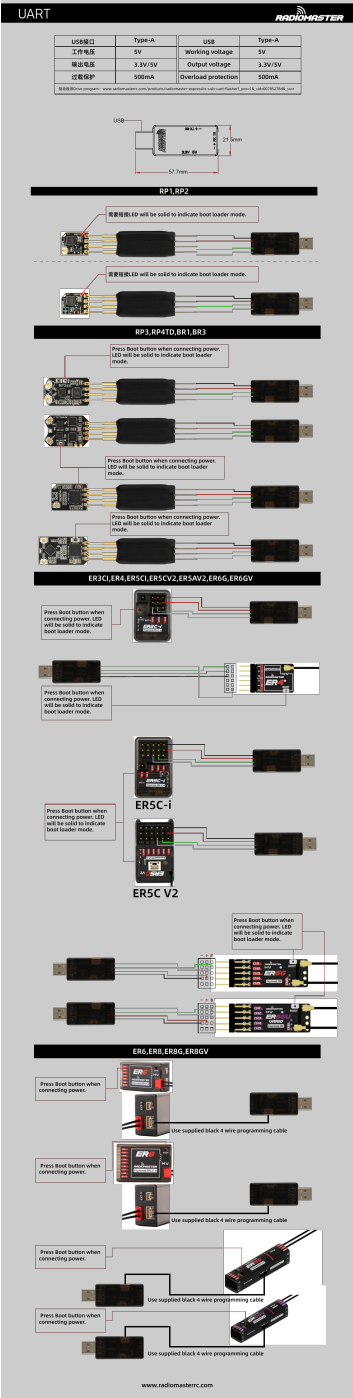
3.3V/5V Output voltage 3.3V/5V 500mA Overload protection 500mA Drive programwww.radiomasterrc.com/products/radiomaster-expresslrs-usb-uart-flasher _pos=1 _sid=00785278d _ss=r USB 21.5mm 57.7m ||| UART USB Type-A 5V USB Working voltage Type-A 5V

3.3V/5V Output voltage 3.3V/5V 500mA Overload protection 500mA Drive programwww.radiomasterrc.com/products/radiomaster-expresslrs-usb-uart-flasher _pos=1 _sid=00785278d _ss=r USB 21.5mm 57.7m

UART USB Type-A 5V USB Working voltage Type-A 5V 3.3V/5V Output voltage 3.3V/5V 500mA ... ode. Press Boot button when connecting power. LED will be solid to indicate boot loader mode. ER3CI,ER4,ER5CI,ER5CV2,ER5AV2,ER6G,ER6GV

Press Boot button when connecting power. LED will be solid to ind...

lang:it score:22 filesize: 675.6 K page_count: 1 document date: 2024-01-16



Shenzhen Radiomaster Co., Ltd

Declaration concerning Antenna Specification

It is hereby declared that the product

Model No.: ER8
FCC ID : 2BBP3-ER8

Meets the requirement of FCC test relating to the antenna type.

The device specified above conforms to the FCC recommendations for (200MHz antenna type(s)) described below:

RTS00F-1

Model No. of antenna: F ANT32-1615-40102
Type of antenna: Ceramic Antenna
Gain of the antenna: 1.85 dBi
Frequency range: 2.4G: 2400-2500MHz

SRD

Model No. of antenna: ER-4
Type of antenna: Monopole Antenna
Gain of the antenna: -0.27 dBi
Frequency range: 2.4G: 2400-2500MHz

The mounting of the antenna is fixed to the radio module and no other antenna should be used.

Company name: Shenzhen Radiomaster Co., Ltd
Address: 4F Yangtze Building, Jiahua Street, Baofan District, Shenzhen, Guangdong
City: Shenzhen, Guangdong
ZIP / Postal code: 518051
Country: China
Phone: 85709023

Signature: Dwen Lee

ve-0001

[pdf] Specifications Declaration of Conformity

Antenna Specification Daniela Eckert 17 ER8 AntSpec p1 Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER8 er8

Shenzhen Radiomaster Co.,Ltd Declaration concerning Antenna Specification It is hereby declared th ... G: 2400-2500MHz SRD: Model No. of antenna: Type of antenna: Gain of the antenna: Frequency range: **ER4** Monopole Antenna -0.27 dBi 2.4G: 2400-2500MHz The mounting of the antenna is fixed to the radio... lang:en **score:21** filesize: 76.57 K page_count: 1 document date: 2023-08-03

Inverted F Antenna Specification

Summary

ITEM	ANT SPEC
Model Name	2.4G ANT
Center Frequency	Horizontal 2400MHz 2400MHz 2500MHz 2400MHz 2400MHz 2500MHz Vertical -1.73 -0.84 -0.68 -6.15 -0.76 -2.32
MAX. Gain	-0.68
Polarization	Horizontal and Vertical
Antenna Beam Pattern	Omnidirectional
Impedance	50 Ohm
Antenna Length	38.20mm
Manufacturer	Shenzhen Radiomaster Co., Ltd

Antenna Photo & Length (mm)

[pdf] Specifications Declaration of Conformity

Microsoft Word Inverted F Antenna Specification doc Administrator 17 ER4 AntSpec p3 r1 Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER4 er4 Inverted F Antenna Specification Summary ITEM Model Name Center Frequency MAX. Gain Polarization Azimuth Beam Pattern Impedance Antenna Length Manufacture Horizontal ANT SPEC 2.4G ANT Vertical 2400MHz 2400MHz 2500MHz 2400MHz 2400MHz 2500MHz -1.73 -0.84 -0.68 -6.15 -0.68 Horizontal and Vert... lang:fr **score:20** filesize: 1.12 M page_count: 3 document date: 2023-07-28

RF EXPOSURE EVALUATION

According to FCC 1.1310 The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency(RF) Radiation as specified in §1.1307(b)

FCC ID :2BBP3-ER4

EUT Specification

EUT	Feature
Frequency band (Operating)	☑️ WLAN 2.412GHz ~ 2.462GHz ☑️ WLAN 5.18GHz ~ 5.84GHz / 5.90GHz ~ 5.70GHz ☑️ WLAN 5.14GHz ~ 5.25GHz ☑️ Others 2.402GHz ~ 2.483GHz, 2.454~2.474GHz
Device category	☑️ Portable (<30cm separation) ☑️ Mobile (>30cm separation) ☑️ Others
Exposure classification	☑️ Occupational/Controlled exposure ☑️ General Population/Uncontrolled exposure
Antenna diversity	☑️ Single antenna ☑️ Multiple antennas ☑️ Tx diversity ☑️ Rx diversity ☑️ Both diversity
Max. output power	WIFI 2.4G: 18.5dBm (0.071W), BLE 2.4G: 10dBm (0.01W)
Antenna gain (Max)	2.4G: 2.17dBi WIFI/BLE: 0.85dBi
Evaluation applied	☑️ RF Exposure Evaluation ☑️ SAR Evaluation

Limits for Maximum Permissible Exposure (MPE)

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density(W/m²)	Average Time
100-1000	—	—	0.1	6
1000-10000	—	—	0.1	6
100-1000	(B) Limit for General Population/Uncontrolled Exposure	—	0.1	30
1000-10000	—	—	1	30

[pdf] Specifications SAR Rating

RF EXPOSURE EVALUATION zhaowen 18 ER4 RFExp r2 Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER4 er4 RF EXPOSURE EVALUATION According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency RF Radiation as specified in 1.1307 b FCC ID: 2BBP3-**ER4** EUT Specification EUT Frequency band Operating Device categ... lang:en **score:19** filesize: 165.53 K page_count: 2 document date: 2023-07-31

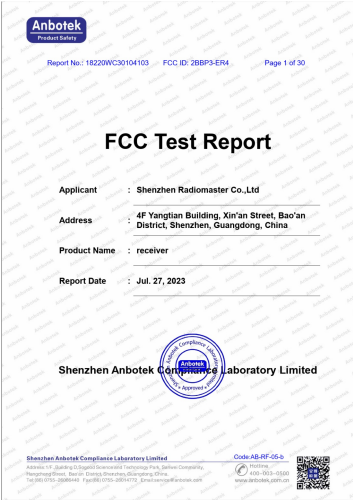


[pdf] Label

06 ER4 LabelSmpl US Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER4 er4

Label Location On EUT Label ...

lang:en score:14 filesize: 147.58 K page_count: 1 document date: 2023-07-27



[pdf]

14 ER4 TestRpt DTS WiFi r2 Shenzhen Radiomaster Co Ltd 2BBP3 2BBP3ER4 er4

...

lang:en score:14 filesize: 987.34 K page_count: 30 document date: 2023-07-28



[pdf]

14 ER4 TestRpt DSS r2 Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER4 er4

...

lang:en score:14 filesize: 1.78 M page_count: 30 document date: 2023-07-28

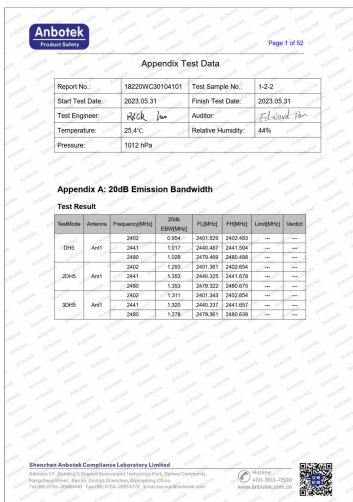


[pdf]

17 ER4 AntSpec p2 r1 Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER4 er4

RF :2023061 1 2 2.4G 3 : 2400MHz-2500MHz 4 : // / Frequency/Mh z Efficiency / dB
Efficiency / MaxGain/dBi 2400 -5.47 28.38 -0.5 2410 -5.64 27.29 -0.98 2420 -5.6 27.54
-0.7 2430 -5.51 28.12 -0.27 2440 -5.74 26.67 -0.75 2450 -5.75 26.61 -0.89 2460...

lang:en score:14 filesize: 1.08 M page_count: 11 document date: 2023-06-02

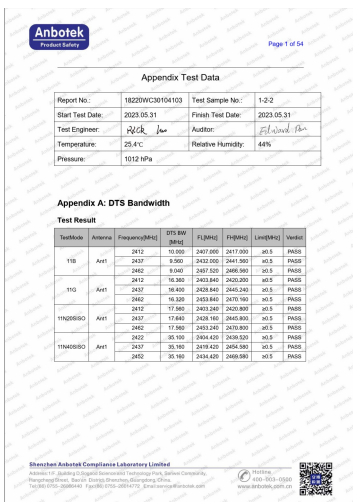


[pdf]

Tonscend 14 ER4 TestRpt DSS appendix Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER4 er4

...

lang:en score:13 filesize: 3.88 M page_count: 52 document date: 2023-07-27

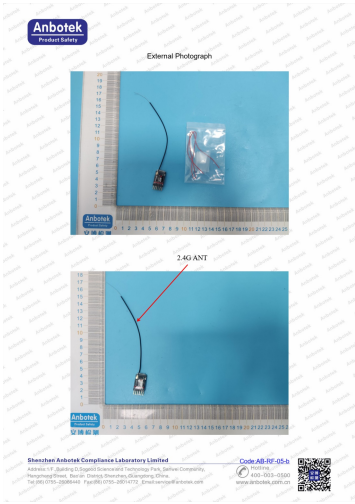


[pdf]

Tonscend 14 ER4 TestRpt DTS WiFi appendix Shenzhen Radiomaster Co Ltd 2BBP3 2BBP3ER4 er4

...

lang:en score:13 filesize: 3.63 M page_count: 54 document date: 2023-07-27

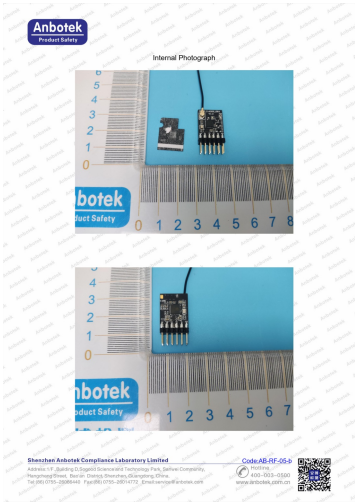


[pdf]

Figure 1 anbotech 08 ER4 ExtPho r1 Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER4 er4

...

lang:en score:13 filesize: 3.25 M page_count: 4 document date: 2023-07-28

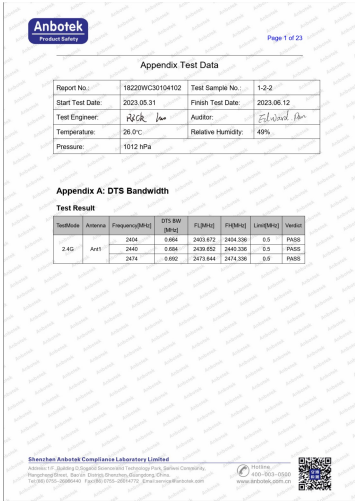


[pdf]

Figure 5 anbotech 09 ER4 IntPho r1 Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER4 er4

...

lang:en score:13 filesize: 2.21 M page_count: 2 document date: 2023-07-28

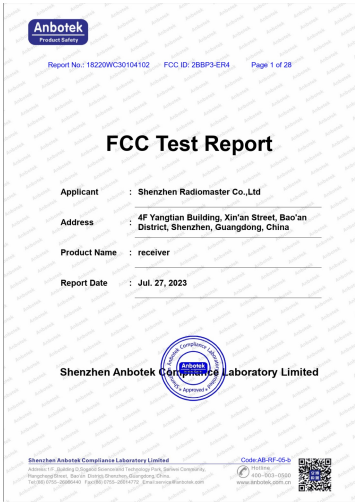


[pdf]

Tonscend 14 ER4 TestRpt DTS 2 4G appendix Shenzhen Radiomaster Co Ltd 2BBP3 2BBP3ER4 er4

...

lang:en score:13 filesize: 3.93 M page_count: 23 document date: 2023-07-27

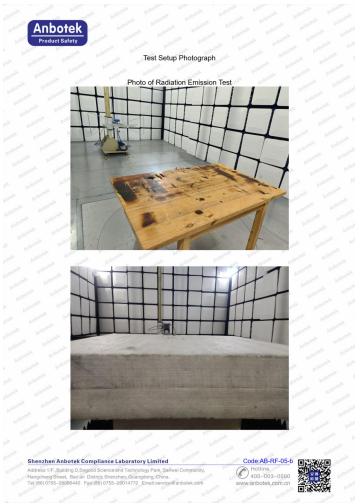


[pdf]

Winkey Wang 14 ER4 TestRpt DTS 2 4G r2 Shenzhen Radiomaster Co Ltd 2BBP3 2BBP3ER4 er4

...

lang:en score:13 filesize: 1.82 M page_count: 28 document date: 2023-07-28



[pdf] Product Photos

Radiated Emission Setup Photos CN 10 ER4 TSup Shenzhen Radiomaster Co Ltd receiver 2BBP3 2BBP3ER4 er4

...

lang:en score:13 filesize: 1.51 M page_count: 1 document date: 2023-07-27



[pdf] Decleration of Conformity

DECLARATION OF CONFORMITY ER4Certification Document RadioMaster RCDECLARATION CONFIRMITY ER4cdn shopify s files 1 0609 8324 7079 ER4 v 1710493235 |||

...

lang:en score:12 filesize: 86.98 K page_count: 1 document date: 2024-03-15