



TX15

RadioMaster · ExpressLRS transmitter 2.4 GHz / 868
MHz
User manual



Batteries not included.

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1. Introduction

Thank you for choosing the **RadioMaster TX15**, a versatile remote control system with a built-in dual-band ExpressLRS module. Whether you're a beginner or a seasoned professional, the TX15 is designed to meet your needs, offering precision, flexibility and reliability.

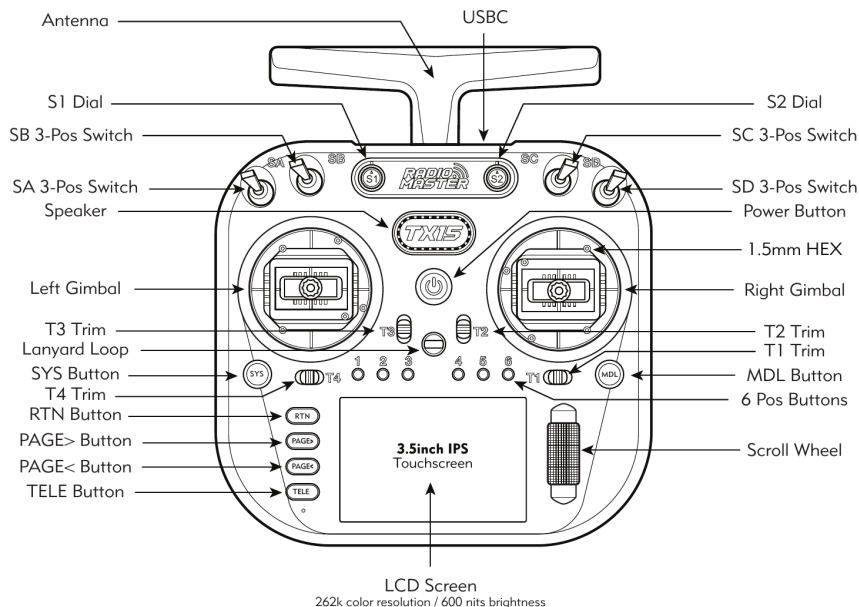
Please read this guide carefully before operating your new remote to ensure safe and optimal use. We may release updated versions of this manual as we continually enhance our software and hardware. For the latest information and resources, please visit the manufacturer's website.

The TX15 is compatible with many applications, including fixed-wing aircraft, gliders, helicopters, cars, boats, robotics, multi-rotor aircraft and more. Powered by the robust **EdgeTX** platform, the TX15 is equipped for seamless integration with your projects.

This product is intended for persons aged 14 and over.

2. Transmitter overview

2.1 Front view

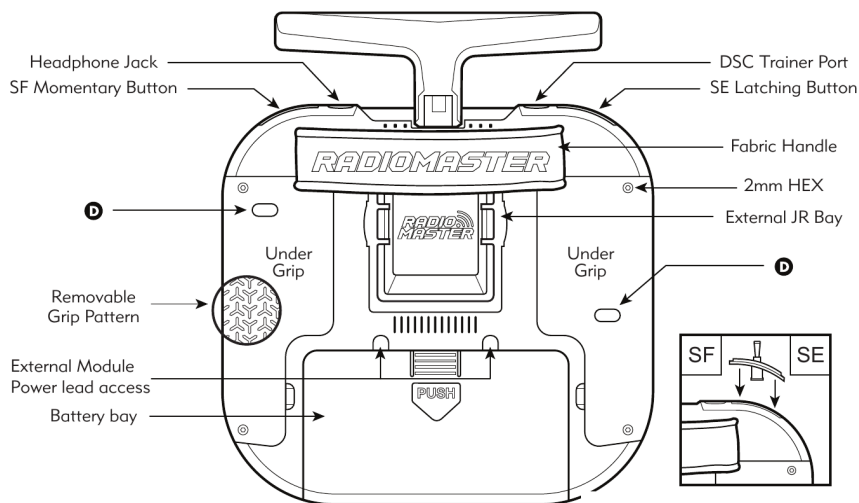


Front view of the TX15 transmitter

Label in the drawing	Meaning
Antenna	Antenna
USBC	USB-C port – battery charging and firmware updates
S1 Dial, S2 Dial	S1 and S2 dials
SA, SB, SC, SD 3-Pos Switch	SA, SB, SC and SD 3-position switches
Speaker	Speaker
Power Button	Power button
1.5mm HEX	1.5 mm hex screw
Left Gimbal, Right Gimbal	Left and right gimbal (control sticks)
T1, T2, T3, T4 Trim	Trims T1 to T4
Lanyard Loop	Lanyard loop
SYS Button	SYS button – system menu
MDL Button	MDL button – model menu
6 Pos Buttons	Buttons 1–6 of the 6-position channel

Label in the drawing	Meaning
RTN Button	RTN button – return one level back
PAGE> Button, PAGE< Button	Buttons for the next / previous page
TELE Button	TELE button – telemetry screens
Scroll Wheel	Scroll wheel for menu navigation
LCD Screen	3.5" IPS touchscreen, 262k colours, 600 nits brightness

2.2 Rear view



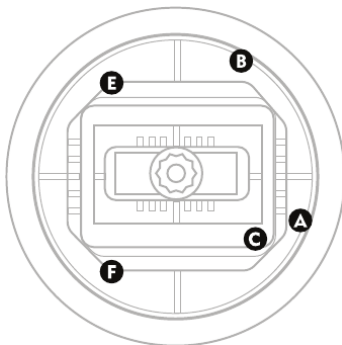
Rear view of the TX15 transmitter

Label in the drawing	Meaning
Headphone Jack	Headphone jack
DSC Trainer Port	DSC trainer port (teacher-student mode)
SF Momentary Button	SF button – momentary
SE Latching Button	SE button – latching
Fabric Handle	Fabric handle
2mm HEX	2 mm hex screw
External JR Bay	JR bay for an external RF module
D (Under Grip)	Access to the throttle stick tension adjustment (under the grip), see chapter 2.3
Removable Grip Pattern	Removable grip
External Module Power lead access	Power lead access for the external module
Battery bay	Battery bay (cover with PUSH button)
SF / SE	Replaceable shoulder controls

※ Replaceable shoulder switches are included. The SF and SE buttons can be changed to switches.

2.3 Gimbal adjustment

The gimbals can be mechanically adjusted to suit your flying style. The adjustment screws are marked A-F in the drawing; screw D is accessible from the rear of the transmitter under the grip (see chapter 2.2). CW means clockwise, CCW counter-clockwise.



Gimbal adjustment screws

	Adjustment	Direction
A	Mode 1/2 – stick self-centering (L-R Mode-1, 2)	CW to disable self-centering, CCW to enable
B	Vertical tension (up-down)	CW to increase, CCW to decrease
C	Horizontal tension (left-right)	CW to increase, CCW to decrease
D	Throttle stick tension	CW to increase, CCW to decrease
E	Up stick travel (38-54°)	CW to decrease, CCW to increase
F	Down stick travel (38-54°)	CW to decrease, CCW to increase

※ Turn the adjustment screws gently and in small steps; do not overtighten them.

2.4 Specifications

Item	RadioMaster TX15
Size	178 × 168 × 81 mm
Weight	605 g (without battery)
Frequency	2.4 GHz (ISM) or Sub-GHz 868 MHz
Max. current	875 mA
Voltage range	6.6–8.4 V DC
Radio firmware	EdgeTX (requires version 3.0.0 or later)
Wireless firmware	ExpressLRS
Gimbals	Hall V5
Gimbal sticks	M4
Control distance	max. 2 km
Channels	max. 16 (receiver dependent)
Battery options	7.4 V 2-cell Li-Po or 2× 3.7 V 18650 Li-ion
LCD screen	3.5" IPS touchscreen
External module	JR bay
Upgrade method	USB

2.5 Package contents

- 1× RadioMaster TX15 transmitter
- 1× carry case
- 2× replaceable shoulder switch
- 1× USB-C cable
- 1× battery holder for 18650 Li-ion cells
- 1× set of small accessories

Batteries not included.

3. Batteries and charging

3.1 Suitable batteries

The TX15 is powered by two lithium cells connected in series (2S). You can use:

- 2× 3.7 V 18650 Li-ion cells (in the included battery holder), or
- a 7.4 V 2S Li-Po battery pack (2× 3.7 V).

The nominal cell voltage is 3.7 V, the charged voltage is **4.20 V/cell**, i.e. **8.4 V** for the whole 2S pack. The voltage range of the transmitter is 6.6–8.4 V DC.

If using Li-ion, ensure the cells are **not protected** and are button-top cells.

DO NOT use LiFe (LiFePO4) battery packs or 18650 lithium-ion batteries with a nominal voltage of 3.6 V and a fully charged voltage of 4.10 V. Charging the incorrect type of battery may damage the charger or cause a fire.

3.2 USB-C charging

The TX15 has a built-in USB-C charging function for 3.7 V lithium batteries. The charging circuit is **only** designed to charge 2× 3.7 V Li-ion 18650 or 2× 3.7 V Li-Po batteries (2S 7.4 V Li-Po battery pack).

- Please check the voltage and condition of the batteries regularly.
- **Never charge unattended.** Always charge in a safe area away from combustible materials.
- Refrain from charging if the transmitter gets wet or damaged in any way.
- **DO NOT charge with the polarity reversed.** Observe the correct polarity when inserting the cells.

RadioMaster does not assume any responsibility for any adverse consequences caused by the use or misuse of this product.

4. Firmware and documentation

4.1 Factory firmware

The TX15 is pre-installed with the most stable factory-approved firmware at the time of release. Please only attempt to update the firmware if you are confident in the process – incorrect firmware updates may cause the transmitter to become inoperable.

4.2 Manual and firmware download

To download the latest software manual, please visit the RadioMaster website: www.radiomasterrc.com.

Further firmware information:

- EdgeTX: www.edgetx.org
- ExpressLRS: www.expresslrs.org

5. ExpressLRS - receivers and binding

5.1 Built-in ExpressLRS module

The TX15 is equipped with a built-in dual-band **ExpressLRS** RF module, offering compatibility with a wide range of receivers:

- 2.4 GHz ExpressLRS receivers.

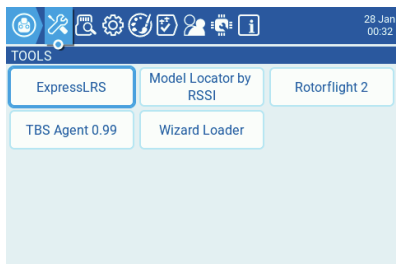
5.2 Packet Rate selection

Select the appropriate Packet Rate based on the receiver type:

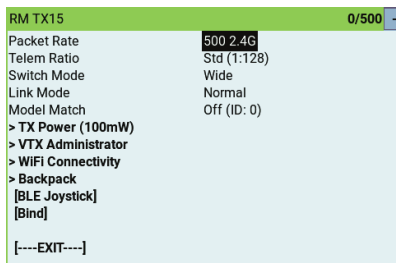
- **50-500 Hz 2.4G** – for binding with any ExpressLRS 2.4 GHz receiver.

5.3 Binding

- ① **Turn off** the transmitter.
- ② Cycle power to the receiver 3 times. The receiver LED will flash twice, indicating bind mode.
- ③ **Turn on** the transmitter, press the *SYS* button and choose *ExpressLRS* (ExpressLRS LUA) under the *TOOLS* menu. Scroll to *[Bind]* and press enter.
- ④ The receiver LED should now be solid, indicating a successful bind.



System menu - TOOLS tab with the ExpressLRS script



ExpressLRS LUA script – Packet Rate and [Bind] items

6. Radio parameters and regulations

6.1 Law of the country of use

Directive 2014/53/EU (RED) applies in all European Union member states, but the conditions for the use of radio frequencies differ from country to country – permitted frequency bands, maximum transmit power and other operating conditions. The same applies to the operation of model aircraft and unmanned aircraft, which is governed by Regulation (EU) 2019/947 and national regulations. The information in this chapter describes the situation in the Czech Republic. **If you use the transmitter in another country, you must comply with the regulations of the country in which you use it.**

6.2 Frequency bands and transmit power

The built-in ExpressLRS module transmits in the 2.4 GHz band or in the 868 MHz band. The transmit power is set in the ExpressLRS LUA script (*TX Power* item). The following limits apply in the Czech Republic:

Band	Limit (CZ)	Regulation
2400–2483.5 MHz	100 mW e.i.r.p.	VO-R/12 (FHSS systems)
863–870 MHz	25 mW e.i.r.p.	VO-R/10

※ According to VO-R/10, further operating conditions apply in the 863–870 MHz band, in particular duty-cycle restrictions.

The user is responsible for setting the transmit power in accordance with the regulations of the country of use.

6.3 Manufacturer's declaration

RadioMaster declares that the radio equipment TX15 is in compliance with Directive 2014/53/EU. This product contains a radio transmitter with wireless technology which has been tested and found to be compliant with the applicable regulations governing a radio transmitter in the 2.400–2.4835 GHz frequency range.

Manufacturer	ShenZhen RadioMaster Co., Ltd
Address	4th Floor, Yangtian Building, No. 18 Yangtian Road, Xin'an Street, Baoan District, Shenzhen, Guangdong, China
Website	www.radiomasterrc.com
FCC ID	2BBP3-TX15 (designation for the US market)

7. Information for the EU and Czech Market

7.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorاما.cz
Phone	+420 252 252 098
Website	www.rotorاما.cz

7.2 Product conformity



- The product bears the **CE** marking and complies with the requirements of the applicable European Union harmonisation legislation.
- A copy of the **EU Declaration of Conformity** is available from the importer at the address stated above or at the e-mail address info@rotorاما.cz.
- **Product identification:** the type designation (TX15) is given on the front of the transmitter; the firmware version number can be found in the system menu (SYS button) on the *Version* tab.

7.3 Disposal of electrical equipment



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste.**
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the importer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also <https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu>.

8. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection. The manufacturer's warranty terms, if any, **do not in any way limit** the buyer's rights arising from these regulations.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 7.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.