



RADiOMASTER T8 Pro Multi Protocol OpenTX 2.4GHz RC Transmitter User Manual

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Introduction

Thank you for purchasing the RadioMaster T8 PRO 2.4g remote control system. The system is powerful and versatile and can be used by beginners to professionals. In order to ensure the correct and safe use of this product, please read this manual carefully before use. The information contained in this manual is subject to change without notice.

-RadioMaster team.



Safety notice

Many remote-control models are equipped with powerful motors and sharp propellers. When using or maintaining models, proceed with caution. When performing assembly or maintenance, make sure to disconnect the power to the model and remove the propellers.

Do not operate the T8 remote-control system under the following conditions: · In severe weather or strong wind conditions, such as rain, hail, snow, storms or highly electromagnetic environments.

- In any situation where visibility is limited.
- In areas where people, property, high-voltage power lines, public roads, vehicles or animals may be present.
- If you feel tired or unwell, or under the influence of drugs or alcohol.
- If the remote control or model seems to be damaged or not working properly.
- In areas with high 2.4GHz interference or where 2.4GHz radio is prohibited.
- When the battery voltage is too low.
- In areas where local regulations prohibit the use of aviation models.



Firmware & Manual Download

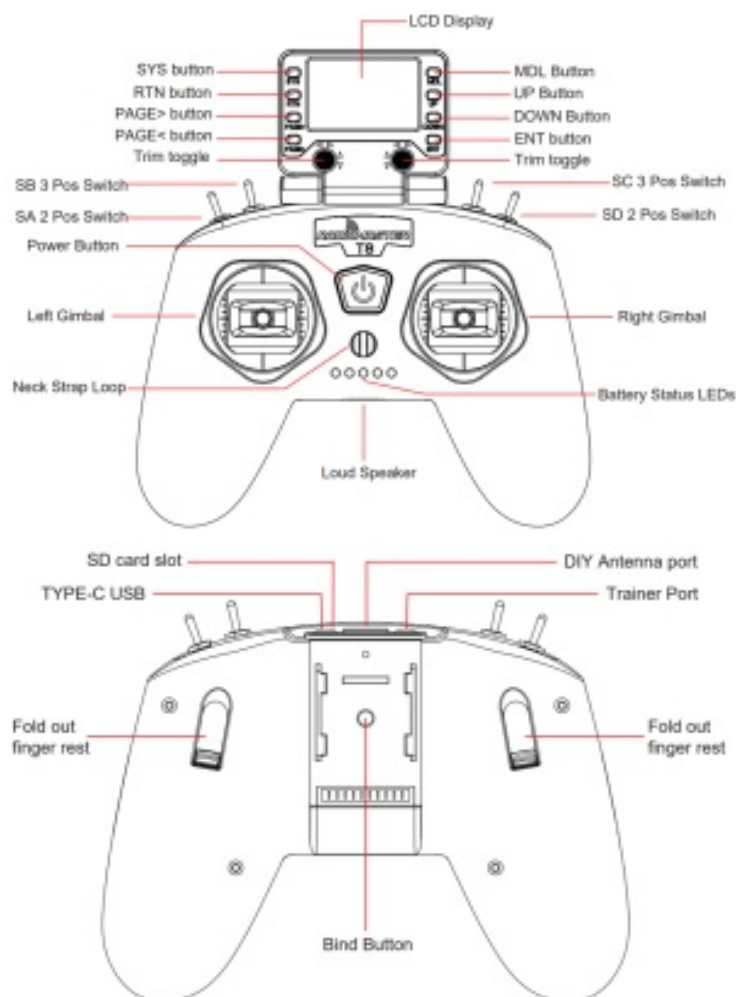
The T8 PRO comes factory installed with the latest stable release of OpenTX. You do not need to update the firmware unless there is a special or specific function released that you require. We recommend checking this before updating and do not update if not required. DO NOT attempt to update your radio if you are unsure how to do it correctly. Incorrect Firmware updates may render the radio inoperable and will not be covered under warranty.

A more detailed manual can be downloaded from our website. Visit www.radiomasterrc.com for the latest

information. For news on firmware please visit <https://www.open-tx.org>



Switches and Functions



Charging Instructions

The T8 Pro has a built in 1000mah 3.7v Battery. The built in USB-C charger will charge your batteries by connecting the supplied USB-C cable to any suitable USB power outlet. We suggest using a regular 2amp 5v USB power adapter.

Charge status and battery Level: The 5 LEDs below the neck strap loop indicate the charging status. When the LEDs light up from left to right the T8 is charging. Each of the 5 LEDs indicates 20% of the battery capacity. 5 LEDs shows 100% charge, 4 LEDs 80%, 3 LEDs 60%, 2 LEDs 40%, 1 LED 20%. When the radios power is low and the T8 requires charging all 5 battery status LEDs will flash at the same time. Please recharge the batter before using the radio any further



Using your T8

Press and hold the Power button until you feel a vibration feedback. The radio is now on. If the throttle or switches are not in the correct position the Power LED will be RED. Please reset the switches to the correct position and move the throttle to the lowest point. The Power LED will turn GREEN to indicate the radio is now ready to use. To Turn off your T8 press and hold the power button until you feel a vibration feedback and the radio will turn off. If the LED is RED when turning off disconnect power to your model first.

Model selection and protocol selection

T8 PRO comes with a Multi-Module powered CC2500 RF chip, which is compatible with many different protocols. To view the latest list of all compatible protocols, please visit <https://www.multi-module.org/>. Please note that new protocols will be continuously updated and added to the latest firmware. Some new protocols may require firmware upgrades.



Please long press the MDL button to enter the model settings, select MULTI in the SETUP page, and select the protocol to be used in the sub-options. The system will automatically turn on the corresponding RF module according to the RF protocol you selected, and turn off the other three RF modules at the same time. The system will only turn on one radio frequency module at the same time to ensure that there is no redundant radio signal interference.

- Bind button is used to start the linking process.
- The Range button can reduce the power to 1/30 to facilitate testing the remote-control distance.



Note

OpenTX software is very powerful, and has a large number of programming and mixing functions. Please visit the links below for more detailed instructions <https://www.open-tx.org> and <http://open-txu.org/>



Specifications

Size	160*130*60mm
Weight	266g
Frequency	2.400GHZ-2.480GHZ
RF Module	Multi-Protocol Module Compatible Single chip (CC2500)
Protocol Options	All CC2500 – Frsky, S-FHSS, RadioLink, Graupner HoTT and more*
Transmission power	20dbm
Antenna gain	2db
Range	> 1km @ 20dbm (depending on the receiver)
Battery	Built in 3.7v 1000mah Lithium battery
Charging	Built in USB-C charging
Firmware	OpenTX – Multiprotocol-TX-Module
Channels	Up to 16 channels (depending on the model / receiver)
Screen:	Clip on 128×64 LCD and OpenTX control module
Gimbal	High-precision quad ball bearing HALL Sensor gimbal
Voice support	Yes (SD Card required)

* Visit <https://www.multi-module.org/> to learn more



Warranty and Support

If there is any problem with your remote-control hardware, please keep the proof of purchase and contact the retailer where you purchased the TX12. Technical support can be found at <https://www.radiomasterrc.com> Or join our Facebook group for community support <https://www.facebook.com/radiomasterrc>



EU Simple Declaration of Conformity

RadioMaster declares the radio equipment T8/T8 Pro is in compliance with EU directives Directive 2014/53/EU. Full text of the declaration of conformity is available at the following website www.radiomasterrc.com

Manufactured by Shenzhen RadioMaster Co., Ltd Address: 5/F, Building 9, De Zhi Gao Technology Park, Yang Tian Road Bao'an District, Shenzhen, 518101, Guangdong, China



FCC ID: FCC ID: 2AV3G-T8

FCC Information

This equipment has been tested and found to comply with the limits for Part 15 of the FCC rules. 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. Full text of the declaration of conformity is available at the following website www.radiomasterrc.com

**CAUTION:**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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 2.400GHz to 2.4835GHz frequency range.

Antenna Separation Distance When operating your RadioMaster transmitter, please be sure to maintain a separation distance of at least 20 cm between your body (excluding fingers, hands, wrists, ankles and feet) and the antenna to meet RF exposure safety requirements as determined by FCC regulations.

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