RADIOMASTER

TX8

Quick start guide

WWW.RADIOMASTERRC.COM

Introduction

Thank you for purchasing the RadioMaster TX8 Multi-protocol Radio system. RadioMaster is proud to bring this ground-breaking product to the market and would like to thank customers just like you and the community for making this dream possible. Please take a moment to read this quick start reference before using your new TX8 radio.

-RadioMaster Team.

Safety & Precautions

Many radio control models are equipped with powerful motors and sharp spinning propellers. Please exercise caution when working on models. Ensure power is disconnected from your models and remove propellers when performing maintenance.

Do not operate the TX8 radio system under the follow conditions.

- During bad weather or high wind conditions such as rain, hail, snow, storms or electromagnetic events.
- During any conditions of limited visibility.
- In areas where people, property, powerlines, roads, vehicles or animals may be in present.
- If you are felling tired or unwell or under the influence of drugs or alcohol.
- If the radio or model appear to be damaged or not functioning correctly.
- In areas of high 2.4ghz interference or in locations where use of 2.4ghz radios is prohibited.
- When the battery is the TX8 or the model is too low to function.

Manuals and firmware downloads

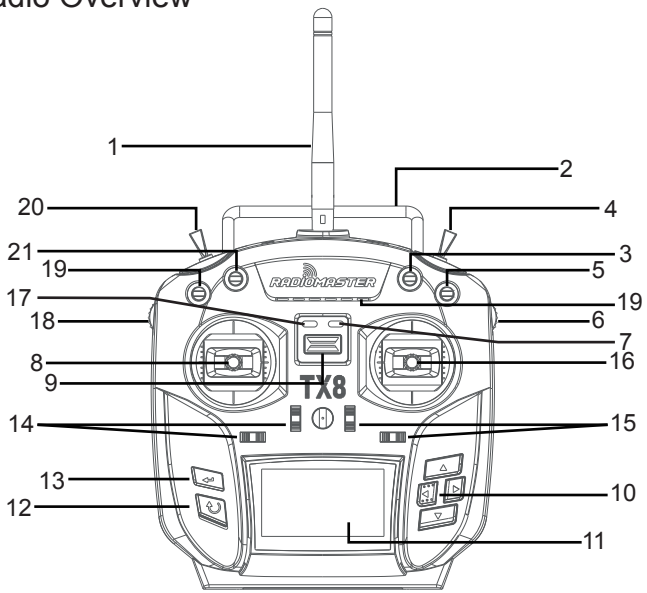
The TX8 is shipped with Deviation TX software installed as standard. To download the latest Software manual please visit https://www.radiomasterrc.com

To download the latest firmware for your radio please visit the Deviation TX website at the following link. https://www.deviationtx.com

CAUTION!

The TX8 is shipped with the most stable firmware at the time of manufacture. Please only update firmware if you are experienced and confident in updating system firmware. Incorrect updates may render the radio inoperable.

Radio Overview



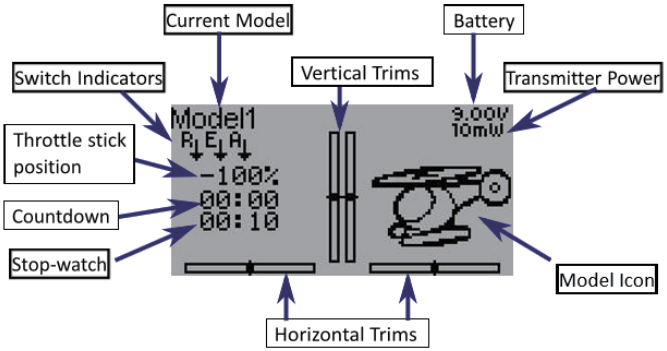
1: Antenna
2: Handle
3: SWC three-segment switch
4: SWH two-segment switch
5: SWA three-segment switch
6: AUX5 knob
7: RF indicator
8: Left Gimbal
9: Power switch
10: Menu direction key
11: Display Screen
12: Exit key
13: Confirm key
14: Digital trim key
15: Digital trim key
16: Right Gimbal
17: Power Indicator
18: AUX4 Knob
19: SWD three-segment switch
20: SWG two-segment switch
21: SWB three-segment switch

Power Requirements

The TX8 comes a battery tray for 2 x 3.7v 18650 Lithium Ion batteries (Batteries not included).

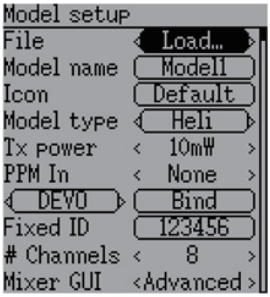
Alternatively, the TX8 can be powered by a LiPO or LiFE battery via the batteries JST-XH Balance lead. The TX8 is recommended to use 2 to 3 cells LiFE, Li-ION or LiPO batteries for optimal operation.

Main Screen Display



Model and Protocol Selection

The TX8 is cable of operating under many different protocols. To view the most up to date list of compatible protocols please visit https://www.deviationtx.com. Please note, new protocols are being added to the software all the time. Some protocols may require the upgrading of your firmware.



Model Selection

To enter the model setup, press the ENTER button and select Model Menu > Model setup. From here you can create or load models. Model name can be input and the default icon also selected. Model type can be selected to suit your model. TX Power can be adjusted. 10mw-30mw is suitable for most small models. Below the “PPM In” you will find the protocol selection function. Here you can choose one of the many protocols available. The Bind button is used to start the binding process.

NOTE

amount of programing and functionality.
guide from the link below for more

The Deviation software is very powerful and capable of a great We recommend downloading the comprehensive software setup detailed instructions. https://www.deviationtx.com

Specifications

Specs Size: 151. 2*88. 6*253. 7mm
Weight: 404g (without battery)
Transmission frequency: 2.400GHZ-2.480GHZ
Transmitter Module: Four in One High Frequency Module (CC2500 CYRF6936 A7105 NRF2401)
Transmit power: maximum 22dbm (transmit power adjustable)
Antenna gain: 2db (detachable antenna, easy modification)
Working current: 88Ma@8.4V
Working voltage: 6.6-8.4V
Remote control distance:> 2km @ 22dbm
Open source firmware: Deviation TX
Number of channels: up to 12 channels (depending on the receiver)
Display: 2.5-inch LCD display, 128 * 64 resolution
Gimbal: non-contact 3D space vector Hall joystick
JR/FrSKY compatible module bay on rear side
Upgrade method: USB online upgrade Support
Protocols: Walkera full range DSM2/X full range Flysky and Flysky 2A FrSKY
(Visit https://www.deviationtx.com for the full list)

Important note on Power

The TX8 works with a wide variety of battery types. Please check below for details.

Approved for use
2 x 3.7v Li-ION 18650 cells (7.4v using supplied tray)
2 x 3.7v Lithium-polymer cells (Assembled as 7.4v 2s Battery pack)
2 x 3.3v LiFE cells (Assembled as 6.6v 2s Battery pack)

WARNING!

Check the health and condition of the batteries regularly. Do not use damaged cells. Never charge batteries unattended. Always charge in a safe area away from flammable materials. If the remote control is warn or damaged or the batteries are warn or damaged do not use.
RadioMaster is not responsible for any adverse consequences caused by using or misusing this device.

EU Simple Declaration of Conformity

RadioMaster declares the radio equipment TX8 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

Manufacturer by

ShenZhen RadioMaster Co., Ltd
5th Floor, Yutian Building, No. 18 Yangtian Road, Xin'an Street, Baoan District, Shenzhen, Guangdong.

FCC ID: 2AV3G-TX8

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 2.416GHz to 2.466GHz 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.

Warranty and Repairs

Please retain your proof of purchase and contact the retailer you purchased your TX8 from should you experience any problems with your radios hardware.

Firmware updates and Deviation TX information

For latest news and firmware updates from the Deviation Open-Source software development team please visit the Deviation TX website at https://www.deviationtx.com

User Manual

For a detailed user manual for the TX8 Deviation TX software please visit https://www.deviationtx.com

Model Binding and Community support

Thank you to all the community contributors who are regularly adding how to guides on Youtube.com. If you are having trouble binding a model, we suggest searching YouTube as there may already be a guide and discussion taking place. Alternatively, you may wish to join the friendly community on the Deviation TX forum at https://www.deviationtx.com/forum/index

FCC STATEMENT :

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.
Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 or more 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 connected.

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

RF warning statement:
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.