



## TX16S Quick start guide.

### Introduction.

Thank you for purchasing the RadioMaster TX16S 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 TX16S 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 TX16S 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 TX16S or the model is too low to function.



### Manuals and firmware downloads.

The TX16S is shipped with OpenTX software installed as standard. To download the latest Software manual please visit <https://www.radiomasterrc.com>

The  
firmware  
radio

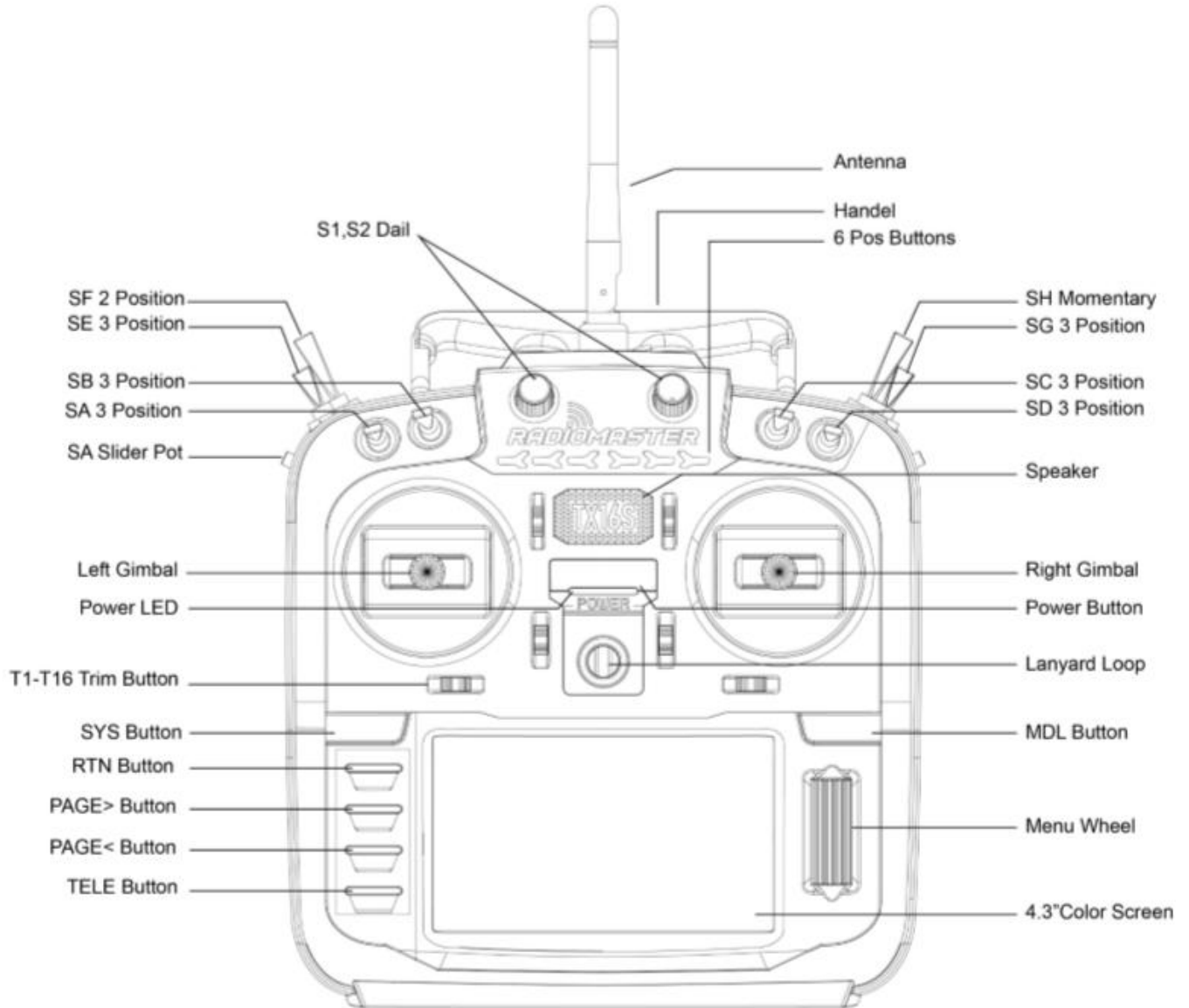


#### **CAUTION!**

TX16S is shipped with the most stable firmware at the time of manufacture. Please only update if you are experienced and confident in updating system firmware. Incorrect updates may render the inoperable.



## Radio Overview.





## Important note on Power and charging precautions.

The TX16S has built-in USB charging function for 2cell 7.4v Battery packs (2 x 3.7v Lithium cell packs). The charging circuit is only suitable for 2x 3.7v lithium-ion 18650, 2 x 21700 3.7v lithium-ion (21700 2s 7.4v Lithium-Ion pack) or 2x 3.7v Lipoly batteries (2s 7.4v Lipo battery pack). The nominal battery voltage per cell is 3.7v and the maximum charging cut off voltage is 4.2v per cell.

### Approved for use

2 x 3.7v Li-ION 18650 cells (7.4v using supplied tray)

2 x 3.7v Li-ION 21700 cells (Assembled as 7.4v 2s Battery pack)

2 x 3.7v Lithium-polymere cells (Assembled as 7.4v 2s Battery pack)

### DO NOT use

3.6v Li-ION cells

2S 6.6v LiFE Battery packs

LiFEP04 cells



## WARNING!

Do not use 2s 6.6v LiFE battery pack, 18650 lithium-ion cells with a nominal voltage of 3.6v or LiFEP04 18650 Round cells. Using the built in USB charger with incorrect battery types and voltage may cause damage to the remote control or fire.

Check the health and condition of the batteries regularly. Do not use damaged cells. Never charge your device unattended. Always charge in a safe area away from flammable materials. If the remote control gets wet or damaged in any way, do not charge it.

RadioMaster is not responsible for any adverse consequences caused by using or misusing this device.



## Specifications.

Size: 183\*212\*66 mm

Weight: 736g

Voltage: DC7-8.4V

Battery: 2 x 18650 (tray supplied) or 2S lipo (batteries not included)

Current: 400mah (excluding external module)

Channel: 16ch

External Micro SD slot: Card Included

2 x External UART Expansion Ports

## Support.



### **Warranty and Repairs.**

Please retain your proof of purchase and contact the retailer you purchased your TX16S from should you experience any problems with your radios hardware.

### **Firmware updates and OpenTX information.**

For latest news and firmware updates from the OpenTX please visit [www.opentx.org](http://www.opentx.org)



### **EU Simple Declaration of Conformity**

RadioMaster declares the radio equipment TX16s 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](http://www.radiomasterrc.com)

### **Manufacturer by**

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### **FCC ID: 2AV3G-TX16S**

### **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](http://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 2.402GHz to 2.480GHz 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.

**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.