Introduction
The Taranis Q X7/X7S ACCESS features 24 channels with a faster baud rate and lower latency thanks to its high-speed digital interface. As with the rest of the ACCESS transmitters, it provides a secure and reliable link, along with wireless firmware updating making it compatible with our newest line of O2A receivers. The battery compartment now uses 2 18650 Li-Ion batteries and can be balanced charged via the Mini USB interface.

The Taranis Q X7/X7S ACCESS version features Hall-sensor gimbals and the PARA wireless trainer function, making it compatible with the FrSky Free Link App and AppLinkS, while the wired training port is still retained.

Due to unforeseen changes in production, the information contained in this manual is subject to change without notice. Pay special attention to safety, where indicated by the following marks:

Meanings of Special Markings
■ WARNING - procedures which may lead to dangerous conditions and cause death/injury if not carried out properly.
■ CAUTION - Procedures which may lead to dangerous conditions or cause serious injury and even death to the user if not carried out properly or procedures where the probability of superficial injury or physical damage is high.
■ NOTE - Steps, Tips or information
■ NOTICE - Steps or information
■ WARNING - Always keep electrical components away from children.

Overview

Battery Connector Polarity
Ensure that the battery connector polarity is correct when connecting batteries into the battery compartment, otherwise the Taranis Q X7/X7S ACCESS might be damaged.

Batteries Accessible Battery Compartment
● Easily accessible battery compartment (*Batteries not included, adaptive with replaceable 18650 Li-ion batteries)

Overview of the menu tree

Table of contents

Features
- Ergonomic and compact design
- Integrated with ACCESS protocol
- Supports spectrum analyzer function
- Supports high-speed module digital interface
- Supports wired training function
- High vibration alerts and voice speech outputs
- Easy accessible battery compartment (*Batteries not included, adaptive with replaceable 18650 Li-ion batteries)

Comparison List

Communication Protocol
Taranis Q X7 ACCESS
Taranis Q X7S ACCESS
ACCESS/OCCST D16
ACCESS/OCCST D16

Features

Specifications

- Model name: Taranis Q X7/X7S ACCESS
- Dimension: 202.2mm*186mm*98mm
- Weight: Taranis Q X7/X7S ACCESS: 613g (without battery)
- Weight: Taranis Q X7/X7S ACCESS: 633g (without battery)
- Operating system: Open source operating system
- Number of channels: 16 (ACCESS D16) /24 (ACCESS) channels
- Operating Voltage Range: 5.6V-6.4V (2 Li-battery, not including LiFePO4 battery)
- Operating Current: 160mA@2.7V typ
- Operating Temperature: -10℃-60℃ (14°F-140°F)
- Backlight LCD resolution: 128*64
- Model memories: 60 models (expandable by Micro SD card)
- Smart Port, Micro SD card slot, Mini USB Port and DSC Port

Warnings for Battery
Do not remove the battery from the Taranis Q X7/X7S ACCESS transmitter while the voltage warning is blinking as this could cause internal settings and memories to be destroyed.

Do not use the transmitter if a "Backup Error" warning occurs.

Navigate the Menu

To navigate the menu, Taranis Q X7/X7S ACCESS has the following elements:

 Encoder Button
 MENU Button
 PAGE Button
 EXIT Button

Taranis Q X7/X7S ACCESS supports OpenTX system

Encoder Button
To navigate menus or widgets, turn the button to left or right as navigation.

MENU Button
To navigate the menu tree, press the button.

PAGE Button
To go to the [MODEL SETUP] menu, press the button, and hold for one second.

EXIT Button
To exit current page or operation widgets.

Overview of the menu tree

Step 1: Registration

In ACCESS, select the Module [Reg] into Registration status. Then press the F5 button and power on your receiver, and select the "RX Name XX' and [ENTER] to complete the Registration process then power down the receiver.

Step 2: Change the data in other channels one by one.

Step 3: Reset all above, jump to the tele setup page.

Features

Quick select options

Note:
1. The lower initial charging voltage, the better the charging effect is when the voltage difference between the two cells exceed 50 mV.

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FrSky 2.4GHz Taranis Q X7/X7S ACCESS Manual

Version 1.0

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Step 6: Set Failsafe mode
There are 4 failsafe modes: No pulse, Hold, Custom and receiver.
No Pulse: on loss of signal the receiver produces no pulses on any channel. To use this type, select it in the menu and wait 9 seconds for the failsafe to take effect.
Hold: the receiver continues to output the last positions before signal was lost. To use this type, select it in the menu and wait 9 seconds for the failsafe to take effect.
Custom: pre-set to required positions on lost signal. Move the cursor to “Set” and press the Encoder Button, and you can see FAILSAFE SETTING screen below.
Move the cursor to the channel you want to set failsafe on, and press the Encoder Button. In range check mode, the effective distance will be decreased to 1/30. Press the Encoder Button or EXIT to exit.
Receiver: set the failsafe on the receiver (see receiver instructions) in ACCESS, select it in the menu and wait 9 seconds for the failsafe to take effect.

Step 7: Range
Range refers to Taranis Q X7/X7S ACCESS range check mode. A pre-flight range check should be done before each flying season. Move the cursor to [Rng] and press the Encoder Button. In range check mode, the effective distance will be decreased to 1/30. Press the Encoder Button or EXIT to exit.

Model Setup for Taranis Q X7/X7S ACCESS External RF Module
The external RF module can be powered on/off by software. The setup process is the same as that for the internal RF.

FCC
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.

CE
The product may be used freely in these countries: Germany, UK, Italy, Spain, Belgium, Netherlands, Portugal, Greece, Ireland, Denmark, Luxembourg, Austria, Finland, Sweden, Norway, France and Ireland.

FLYING SAFETY

Warning:
To ensure the safety of yourself and others, please observe the following precautions.
- Have regular maintenance performed. Although your Taranis Q X7/X7S ACCESS protects the model memories with non-volatile EEPROM memory (which does not require periodic replacement) and of a battery, it still should have regular check-ups for wear and tear. We recommend sending your system to your FrSky Service Center annually during your non-flying-season for a complete check-up and service.

Battery
- Using a fully charged battery (DC 6.5~8.4V). A low battery will soon die, causing loss of control and a crash.
- When you begin your flying session, reset your transmitter’s built-in timer, and during the session pay attention to the duration of usage. Also, if your model used a separate receiver battery, make sure it is fully charged before each flying season.

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