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FrSky 03017043

FrSky Taranis Q X7 Access Transmitter User Manual

Model: 03017043

Introduction

This manual provides essential information for the safe and effective operation of your FrSky Taranis Q X7 Access Transmitter. Please read this manual thoroughly before using the product to ensure proper setup, operation, and maintenance.

The FrSky Taranis Q X7 Access Transmitter is a 2.4GHz radio system designed for remote control applications, featuring the ACCESS protocol for secure and reliable communication. It offers 24 channels, a high-speed module digital interface, and supports wireless firmware updates.

Product Overview

The Taranis Q X7 Access Transmitter combines an ergonomic and compact design with an open-source operating system. Key features include:

- Ergonomic and compact design for comfortable handling.
- Open-source operating system (OpenTX) for extensive customization.
- ACCESS protocol for enhanced security and lower latency.
- High-speed module digital interface.
- Haptic vibration alerts and voice speech outputs for real-time feedback.
- Support for spectrum analyzer function.
- Wired training function for practice and instruction.
- Easily accessible battery compartment, compatible with 18650 Li-Ion batteries (not included).



Figure 1: Front view of the FrSky Taranis Q X7 Access Transmitter, showing the gimbals, switches, display screen, and navigation buttons.



Figure 2: Rear view of the FrSky Taranis Q X7 Access Transmitter, highlighting the ergonomic grips and battery compartment cover.



Figure 3: Rear view of the FrSky Taranis Q X7 Access Transmitter with the battery compartment open, showing the slots for 18650 Li-Ion batteries.

Setup

1. Battery Installation

1. Locate the battery compartment on the rear of the transmitter (refer to Figure 3).
2. Open the battery compartment cover.
3. Insert two 18650 Li-Ion batteries (not included) into the designated slots, ensuring correct polarity.
4. Close the battery compartment cover securely.

2. Initial Charging

The transmitter can be balance charged via its Mini USB interface. Connect the transmitter to a suitable USB power source using a Mini USB cable (not included). The charging indicator will show the charging status.

3. Binding to Receiver

To establish communication, the transmitter must be bound to a compatible FrSky ACCESS receiver. Refer to your

receiver's manual for specific binding instructions. Generally, the process involves:

1. Power on the transmitter and navigate to the binding menu.
2. Put the receiver into binding mode (usually by pressing a button while powering on).
3. Initiate the binding process on the transmitter.
4. Confirm successful binding on both the transmitter display and receiver's LED indicator.

Operating Instructions

Powering On/Off

- To power on: Press and hold the power button until the display illuminates.
- To power off: Press and hold the power button until the shutdown prompt appears, then confirm.

Navigation and Menu System

The Taranis Q X7 utilizes an intuitive menu system accessible via the navigation buttons and scroll wheel. The main screen displays model information, battery status, and signal strength.

- **PAGE button:** Cycles through different main screens or pages within a menu.
- **EXIT button:** Returns to the previous menu or screen.
- **Scroll Wheel:** Navigates through menu options and adjusts values. Press to select an option.

Model Setup

The transmitter allows for extensive customization of model settings, including:

- Model memory selection and naming.
- Channel assignment and mixing.
- Servo end points and sub-trims.
- Flight modes and logical switches.
- Telemetry setup and alarms.

Detailed instructions for model setup are available in the OpenTX manual, which can be downloaded from the official FrSky website or OpenTX project website.

Wireless Firmware Updates (OTA)

The ACCESS protocol enables wireless firmware updates for compatible receivers. Ensure your transmitter's firmware is up-to-date to utilize this feature. Consult the FrSky support resources for the latest firmware and update procedures.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the transmitter's exterior. Avoid using harsh chemicals or abrasive materials.

- **Storage:** Store the transmitter in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.
- **Battery Care:** Use only recommended 18650 Li-Ion batteries. Do not overcharge or deep discharge batteries. If the transmitter will not be used for a long time, charge the batteries to approximately 50% for storage.
- **Firmware Updates:** Regularly check the FrSky website for firmware updates for both the transmitter and compatible receivers to ensure optimal performance and access to new features.

Troubleshooting

Problem	Possible Cause	Solution
Transmitter does not power on.	Low or dead batteries; Incorrect battery installation.	Charge batteries or replace them. Verify correct battery polarity.
No control response from model.	Transmitter not bound to receiver; Receiver not powered; Incorrect model selected.	Ensure transmitter and receiver are properly bound. Check receiver power supply. Verify correct model is selected on the transmitter.
"FAILSAFE WARNING" on screen.	Failsafe not configured or activated.	Configure failsafe settings in the model setup menu. This is a critical safety feature.
Short battery life.	Old or degraded batteries; Excessive screen brightness.	Replace batteries. Reduce screen brightness.

For more advanced troubleshooting or specific issues, refer to the comprehensive OpenTX documentation or visit the official FrSky support forums.

Specifications

Feature	Detail
Model Number	03017043
Operating Frequency	2.4GHz
Channels	24 (ACCESS protocol)
Operating System	Open-source (OpenTX)
Battery Compatibility	2 x 18650 Li-Ion (not included)
Charging Interface	Mini USB (balance charging)

Feature	Detail
Dimensions (Package)	11 x 10.1 x 4.6 inches
Weight (Item)	2.2 pounds
Manufacturer Recommended Age	14 years and up

Warranty and Support

Warranty Information

For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official FrSky website. Keep your proof of purchase for warranty claims.

Customer Support

If you encounter issues not covered in this manual or require further assistance, please contact FrSky customer support through their official website. Online resources, including FAQs, firmware downloads, and community forums, are also available.

Official FrSky Website: www.frsky-rc.com

OpenTX Project Website: www.open-tx.org (for OpenTX manual and resources)

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