## FrSky x7access

# FrSky Taranis Q X7 Access Transmitter User Manual

Model: x7access

## 1. 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 use to ensure proper setup and to maximize the performance and longevity of your device.




Figure 1: FrSky Taranis Q X7 Access Transmitter. This image shows the front view of the black transmitter with its gimbals, switches, display screen, and antenna.

### Key Features:

- Ergonomic and compact design
- Open source operating system (OpenTX)
- Installed with ACCESS protocol for secure and reliable link
- High-speed module digital interface
- Supports spectrum analyzer function
- Supports wired training function
- Haptic vibration alerts and voice speech outputs
- Easily accessible battery compartment for 18650 Li-Ion batteries

- Mini USB interface for balance charging and data transfer
- 24 channels with faster baud rate and lower latency
- Wireless firmware updating compatible with OTA receivers

## 2. Setup

### 2.1 Battery Installation and Charging

The Taranis Q X7 Access Transmitter uses two 18650 Li-Ion batteries (not included). Ensure correct polarity when inserting batteries into the compartment. The transmitter can be balance charged via the Mini USB interface.




Figure 2: Example of a compatible 7.2V 2000mAh Li-Ion battery pack. The transmitter requires two 18650 Li-Ion cells, which may be installed individually or as part of a compatible pack.

To charge the batteries:

1. Connect the Mini USB cable to the transmitter's USB port.
2. Connect the other end of the USB cable to a suitable USB power source (e.g., computer USB port, USB wall adapter).
3. The charging indicator on the transmitter will show the charging status.
4. Allow sufficient time for a full charge.

**Important Note:**

- Ensure the power source provides adequate current for charging.
- Do not use damaged batteries.
- Always supervise charging.

### 2.2 Initial Power On and Calibration

After battery installation, power on the transmitter. Follow any on-screen prompts for initial setup. It is recommended to calibrate the gimbals and external controls for optimal performance. Refer to the OpenTX documentation for detailed calibration procedures.

## 3. Operating Instructions

### 3.1 Model Creation and Binding

The Taranis Q X7 Access operates on the OpenTX open-source operating system, offering extensive customization. To create a new model:

1. Navigate to the Model Setup menu.

2. Select "Create New Model".
3. Configure the internal RF module to ACCESS protocol.
4. Initiate the binding process on both the transmitter and the receiver according to their respective manuals.

**Note on Protocols:**
This transmitter is equipped with the ACCESS protocol. Older FrSky receivers using ACCST D8 or D16 protocols may require an external module for compatibility or a firmware update on the receiver if supported. Verify receiver compatibility before attempting to bind.

### 3.2 Basic Controls and Navigation

The transmitter features gimbals for primary control (throttle, aileron, elevator, rudder), various switches, and potentiometers for auxiliary functions. The display screen and navigation buttons allow access to menus and settings.

- **Gimbals:** Control primary flight surfaces.
- **Switches:** Assignable for flight modes, gear, flaps, etc.
- **Potentiometers:** Assignable for fine-tuning or continuous control.
- **Menu Buttons:** Navigate through OpenTX menus.
- **Haptic Feedback:** Provides tactile alerts for warnings or timers.
- **Voice Outputs:** Provides audible alerts and telemetry readings.

## 4. Maintenance

### 4.1 Cleaning and Storage

Keep the transmitter clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or solvents. Store the transmitter in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.

### 4.2 Firmware Updates

FrSky regularly releases firmware updates for the Taranis Q X7 Access to improve performance, add features, and address bugs. Firmware updates can be performed wirelessly (OTA) with compatible receivers or via the Mini USB port using a computer.
Always back up your model settings before performing a firmware update.

## 5. Troubleshooting

### Common Issues and Solutions:

- **Transmitter does not power on:**
  - Check battery installation and ensure correct polarity.
  - Verify batteries are charged.
  - Ensure batteries are not damaged.
- **Binding issues with receiver:**
  - Confirm both transmitter and receiver are in binding mode.
  - Ensure the correct RF protocol (ACCESS) is selected on the transmitter.

- If using an older receiver, check if it supports ACCESS protocol or requires an external module (e.g., for D8 mode).
- Update receiver firmware if necessary and compatible.

- **Charging problems (e.g., "draws too much current"):**
  - Ensure the USB power source provides stable voltage and current.
  - Try a different USB cable or power adapter.
  - Monitor charging process; if issues persist, consult FrSky support.
- **No control response from model:**
  - Verify successful binding.
  - Check model settings in OpenTX (channel mapping, mixes).
  - Ensure receiver is powered and functioning correctly.

For more advanced troubleshooting, refer to the extensive online resources and community forums for OpenTX and FrSky products.

## 6. Specifications

| Feature | Detail |
|---|---|
| Model Name | Taranis Q X7 Access |
| Item Model Number | x7access |
| Brand | FrSky |
| Operating System | OpenTX |
| Protocol | ACCESS |
| Number of Channels | 24 channels |
| Battery Type | 2 x 18650 Li-Ion (not included) |
| Charging Interface | Mini USB |
| Item Weight | 2.17 pounds (approx. 0.98 kg) |
| Package Dimensions | 11.02 x 10.08 x 4.72 inches (approx. 28 x 25.6 x 12 cm) |
| Recommended Age | 14 years and up |

## 7. Warranty and Support

For detailed warranty information, technical support, and service inquiries, please refer to the official FrSky website or contact your authorized FrSky dealer. Keep your proof of purchase for warranty claims.
Official FrSky Website: www.frsky-rc.com

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