Introduction

Taranis X9 Lite/X9 Lite S inherits its classic form factor from the FrSky Taranis X9D series remote control, with the addition of a program scroll button adding convenience when navigating the menu further improving the user experience. Some of the S version has also dual momentary buttons on the top shoulders and hall sensor symbols. The changes are not only on the exterior: this upgraded version features Accurate SWIR indicator along with the addition of our PARA Wireless Trainer Function. By using this FrSky Free Link App and AccuLink S, while the wired training port is still retained. Balance charging for 2S Li-ion battery is now possible via the USB with an included USB cable.

The Taranis X9 Lite/X9 Lite S also uses the latest ACCESS communication protocol, along with ErskyTX/OpenTX open-source operating system, which trades 24 channels with a faster baud rate and lower latency because of its high-speed module digital interface. ACCESS features like wireless firmware updates and wireless configurations are completely supported; providing a more reliable short link between the transmitter and module. Even more practical features will be unlocked gradually, making the X9 Lite/X9 Lite S fully functional remote control with a ton of extra features.

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:

- **WARNING** - Procedures where the possibility of serious injury to the user is small, but there is a danger of injury or physical damage.
- **CAUTION** - Procedures which may lead to a dangerous condition or cause serious injury and even death to the user if not carried out properly.
- **NOTE** - Steps, Tips or Info.
- **DANGER** - Procedures where the possibility of serious injury to the user is small, but there is a danger of injury or physical damage, if not carried out properly.

Features

- **Ergonomic and compact design**
- **Installed with ACCESS protocol**
- **Supports spectrum analyzer function**
- **High-speed module digital interface**
- **G7 Noble potentiometer gimbal (Taranis X9 Lite)**
- **G7-HS2 hall gimbal (Taranis X9 Lite S)**
- **Supports wire training function**
- **Haptic vibration alerts and voice speech outputs**
- **Easily accessible battery compartment (Batteries not included, adaptable with replaceable 18650 button top Li-ion batteries for X9 Lite/Bal-top Li-ion batteries for X9 Lite S)**

Comparison List

### Specifications

- **Dimension:** 194*170*17mm (1.9"x6.7"x0.7"
- **Weight:** Taranis X9 Lite 550g (without battery) Taranis X9 Lite S 550g (without battery)
- **Operating system:** ErskyTX/OpenTX
- **Number of channels:** 24 channels
- **Internal RF Mod:** DSMX/DSM2-SMA
- **Operating voltage range:** 5.5-6.5V
- **Operating current:** 100mA@4.7V
- **Operating Temperature:** -10°C-60°C (-14°F-140°F)
- **Backlight LCD resolution:** 128x64
- **Model memories:** 60 models (expandable by Micro SD card)
- **Smart Port, Micro SD card slot, Micro USB Port and DSC Port**
- **Operating current:** 160mA@7.4V

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Additional 2 momentary buttons

### About FrSky

FrSky electronics is a global manufacturer of radio control products. Our products cover a wide range of applications, from RC models to industrial and unmanned aerial vehicles. FrSky is committed to providing high-quality, reliable, and innovative products to meet the needs of our customers worldwide.

### Contact Information

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**Overview of the menu tree**

<table>
<thead>
<tr>
<th>Menu</th>
<th>Category</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXIT</td>
<td></td>
<td>Exit menu tree</td>
</tr>
<tr>
<td>PAGE</td>
<td></td>
<td>Return to previous menu</td>
</tr>
<tr>
<td>MENU</td>
<td></td>
<td>Display menu</td>
</tr>
<tr>
<td>FRM</td>
<td></td>
<td>Select frame</td>
</tr>
<tr>
<td>Model</td>
<td></td>
<td>Select model</td>
</tr>
<tr>
<td>Battery</td>
<td></td>
<td>Display battery information</td>
</tr>
<tr>
<td>Range</td>
<td></td>
<td>Display range information</td>
</tr>
<tr>
<td>F/S</td>
<td></td>
<td>Set failsafe mode</td>
</tr>
<tr>
<td>MODEL SETUP</td>
<td></td>
<td>Set model setup</td>
</tr>
<tr>
<td>Channel</td>
<td></td>
<td>Select channels</td>
</tr>
<tr>
<td>ACCESS</td>
<td></td>
<td>Access mode</td>
</tr>
</tbody>
</table>

**Menu Setup for Taranis X9 Lite/Taranis X9 Lite S Internal RF Module**

1. Press the PAGE button, and hold for one second.
2. Long press the Scroll Button to generate a pop-up where the user can reset timer, reset telemetry values, and exit the menu.

**Step 2: Set the Channel Range**

- To set the channel range, press the PAGE button to enter the model setup menu, and select the internal RF, select [mode] [ACCESS].
- The internal RF module of Taranis X9 Lite/Taranis X9 Lite S supports up to 24 channels. The channel range can be configured and needs to be confirmed before use.
- The model setup menu will have a new model setup menu, and the user can select the required frequency band to enter the model setup menu.
- The model setup menu has a new menu item, and the user can select it to enter the model setup menu.

**Step 3: The Receiver Number**

- When a new model is created, the model setup menu will assign a receiver number automatically, but this can change if needed.
- The user can manually enter the receiver number and select it to enter the model setup menu.
- The model setup menu has a new menu item, and the user can select it to enter the model setup menu.

**Step 4: Registration**

- In ACCESS, select the module [Reg] into registration status.
- Then press the F/S button and power on your receiver, and select the [RX name XX] [ENTER] to complete the registration process and power down the receiver.

**Step 5: Automatic binding [Smart Match]**

- Move the cursor to Receiver [Bind] and select it, power your receiver, select the RX, and complete the process.
- The system will confirm 'Bind successful'.
- You do not need to press the F/S button in ACCESS to Bind. Refer to the receiver manual for details.

**Step 6: Set Failsafe mode**

- There are 4 failsafe modes:
  - No pulse
  - Hold
  - Custom
  - Receiver
- No Pulse: On loss of signal the receiver produces no pulses on any channel.†
- Hold: Receiver continues to output the last positions before signal was lost.†
- Custom: pre-set to required positions on lost signal. Move the cursor to "set" and press the Scroll Button, and you can see FAILSAFE SETTING screen below.
- 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.

**Battery**

- A fully charged battery (2.5-3.7V) is required.
- A low battery will cause a loss of control and a crash.
- Before you begin your flying session, read your transmitter’s user’s manual, and during the session pay attention to the battery’s condition.
- Always check your transmitter and receiver batteries prior to each flight.

**Flying Safety**

- Always pay particular attention to the flying field’s rules, as well as the presence of any objects, and check the weather conditions.
- Be very careful when flying in areas near power lines, tall buildings, or communication facilities where there may be radio interference from their vicinity.

- At the flying field
  1. Full-throttle stick to site position, or otherwise disassemble your engine.
  2. Turn on the transmitter power and allow your transmitter to reach its home screen.
  3. Confirm the proper model memory has been selected.

**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 Iceland.

**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.

- 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 Iceland.

**Warning:**

- Do not grasp the transmitter’s antenna during flight. Doing so may degrade the quality of the radio frequency transmission and flood your engine, or in the case of electric-powered or gasoline-powered models, the engine may unexpectedly turn on and cause a severe injury.

- Make sure your transmitter can’t tip it over. If it is knocked over, the throttle stick may be accidentally moved, causing the engine to speed up. Also, damage to your transmitter may occur.

- In order to maintain complete control of your aircraft it is important that it remains visible at all times. Flying behind large objects such as buildings, grain bins, etc. must be avoided. Doing so may interrupt the radio frequency link to the model, resulting in loss of control.

- Do not drop the transmitter’s antenna during flight. Doing so may degrade the quality of the radio frequency transmission and result in loss of control.

- As all radio frequency transmissions, the strongest area of signal transmission is from the sides of the transmitter’s antenna. As such, the antenna should not be pointed directly at the model. If your model style flying creates this situation, move easily the antenna to correct this situation.

- Before taking off, be sure to extend the transmitter antenna to its full length.

- A collapsed antenna will reduce your flying range and cause a loss of control. It is a good idea to avoid pointing the transmitter antenna directly at the model, since the signal is weakest in that direction.

- Don’t fly in the rain! Water or moisture may enter the transmitter through the antenna or stick openings and cause erratic operation or loss of control. If you must fly in wet weather during a downpour, be sure to cover your transmitter with a plastic bag or waterproof barrier. Never fly in lighting is expected.

**Updates**

- FrSky is continuously adding features and improvements to our radio systems. Updating (via USB Port or the Micro USB port). See the FrSky 2.4GHz ACCESS Taranis X9 Lite/Taranis X9 Lite S Manual for the latest update firmware and guide for adjusting your sticks. (www.frsky-rc.com)