Introduction

Thank you for purchasing the FrSky 2.4GHz ACCST Taranis X9D Plus digital telemetry radio system. In order to make the best use of your system and to fly safely, please read this manual carefully. If you have any difficulties while using your system please consult the manual, your hobby dealer, or FrSky technical support.

Due to unforeseen changes in production, the information contained in this manual is subject to change without notice.

Meanings of Special Markings

Pay special attention to safety where indicated by the following marks:

- **DANGER**: Procedures which may lead to dangerous conditions and cause death/serious injury if not carried out properly.

- **WARNING**: Procedures which may lead to a dangerous condition or cause death or serious injury to the user if not carried out properly or procedures where the probability of superficial injury or physical damage is high.

- **CAUTION**: 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.

- **Mandatory**: Steps that are required to be completed.

- **Prohibited**: Steps that are not allowed to be performed.

- **Notice**: Details of handling battery and charger.

- **Warning**: Always keep electrical components away from small children.

Battery Connector Polarity

Ensure that the battery connector polarity is correct when connecting batteries others than the provided 6-cell NiMH battery into the battery compartment, otherwise the Taranis X9D Plus might not be powered.

Notes and Warnings for Battery & Charger

- Please connect the provided battery in the battery compartment before use.
- The six-cell NiMH battery is for use only in your Taranis X9D Plus.
- Be sure to use the built-in battery charger to charge the battery.
- Be careful not to drop the battery.
- Don’t pull the battery wire as this could produce short-circuits and cause the battery to explode.
- Do not remove the battery from the Taranis X9D Plus 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 “Back-up Error” warning occurs.
- Be sure to turn off the Taranis X9D Plus before charging the battery.
- The Power Indicator LED will be on during charging, and be off after the charging is finished.

Model Setup for Taranis X9D Plus Internal RF Module

The internal RF module of FrSky Taranis X9D Plus supports up to 16 channels. The channel range is configurable, and needs double check before use.

Step 1: Set the Mode for Taranis X9D Plus Internal RF Module

Refer to the table below and set the Taranis X9D Plus to the mode corresponding to your receiver (D8, D16 or LR12).

<table>
<thead>
<tr>
<th>Mode of Taranis X9D Plus</th>
<th>Compatible Receivers</th>
<th>Number of Output Channels</th>
</tr>
</thead>
<tbody>
<tr>
<td>D8</td>
<td>X9R (D8, etc.), D16</td>
<td>8 channels</td>
</tr>
<tr>
<td>D16</td>
<td>X series (X8R, etc.)</td>
<td>Up to 16 channels</td>
</tr>
<tr>
<td>LR12</td>
<td>L series (L8R, etc.)</td>
<td>12 channels</td>
</tr>
</tbody>
</table>

Notice: Older V8 receivers are not supported by the internal module but can be used with an external DJT module in V8 mode. Taranis X9D Plus-EU version only has D16-EU mode.

Step 2: Set the Channel Range

The internal RF module of Taranis X9D Plus supports up to 16 channels. The channel range is configurable, and needs double check before use.

Step 3: Set the Receiver Number

When you create a new model, the system will assign you a receiver number automatically, but this can be easily changed. The range of the receiver number is 00-63, with the default number being 01 (use 00 if it is not recommended). Once the receiver is set to the desired number and is bound to the Taranis X9D Plus, the bind procedure will not need to be repeated unless the receiver number is changed. In this case, either set the receiver number to the previous one, or repeat the bind procedure.

Step 4: Changes in the channel number

When changing the channel number, be sure to turn off the transmitter before changing the number to the previous one, repeat the bind procedure.

Step 5: Set FailSafe mode

There are 4 fail safe modes: No Pulse, Hold, Custom, Receiver (this mode only used above operation-2.0.0 firmware).

- 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. More the custom to “Set” and press ENTER, you will see FAI SAFE SETTING screen. Move the cursor to the channel you want to set failsafe on and press ENTER. When moving the corresponding sticks or switches, you will see the channel bar moving. Move the channel bar to the place you want for failsafe and long press ENTER to finish the setting. Wait 9 seconds before the failsafe takes effect.
- Receiver: set the failsafe on the receiver (see receiver instructions) in D16 mode, select it in the menu and wait 9 seconds for the failsafe to take effect.

Notice:

- The above instructions do not apply to D-series and L-series receivers, which require the internal RF module of Taranis X9D Plus to be in D8 mode or LR12 mode. For these receivers, failsafe must be set on the receiver side (see receiver instructions).

Step 6: Range

Range refers to Taranis X9D Plus range check mode. A pre-flight range check should be done before each flying session. Move the cursor to “Range” and press ENTER. In range check mode, the effective distance will be decreased to 0.03. Press Enter to EXIT to exit.

Model Setup for Taranis X9D Plus External RF Module

The external RF module can be powered on or off by software. The setup process is the same as that for the internal RF. If you use other brand RF module than FrSky, please choose PPM mode.

FrSky 2.4GHz ACCST Taranis X9D Plus Manual

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FrSky Electronic Co., Ltd
**FCC Statement**
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.

Make sure you set the country code to your corresponding country to meet the regulations.

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 requirements. The device can be used in portable exposure condition without restriction.

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**FLYING SAFETY**

**Warning:**
- To ensure the safety of yourself and others, please observe the following precautions:
  - Do not expose the transmitter to direct sunlight, excessive humidity or corrosive environments.
  - Do not expose the MicroSD card to dirt, moisture, water or fluids of any kind.
  - Do not store the MicroSD card in a plastic bag or waterproof barrier. Never fly if lightning is expected.
  - Be sure to keep a backup of your models and data in your MicroSD card.

**Battery**
- Stop flying long before your batteries become low on charge. Do not rely on your radio’s low battery warning systems, intended only as a precaution, to tell you when to recharge. Always check your transmitter and receiver batteries prior to each flight.

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**Nickel-metal hydride battery Safety and Handling instructions**

**IMPORTANT:** The Nickel-metal hydride battery (NiMH) batteries included in the Taranis X9D Plus transmitter are not to be confused with Lithium-Polymer (LiPo) batteries, or any other type of rechargeable battery (including NiCd and NiMh). NiMH batteries require special charging criteria different than other rechargeable batteries. Use only the FrSky transmitter charger included with this set, or other chargers approved by FrSky, to charge the NiMH batteries in the Taranis X9D Plus transmitter.

1. Do not attempt to disassemble NiMH packs or cells.
2. Do not allow NiMH cells to come in contact with moisture or water at any time.
3. Always provide adequate ventilation around NiMH batteries during charge, discharge, while in use, and during storage.
4. Do not leave a NiMH battery unattended at any time while being charged or discharged.
5. Do not attempt to charge NiMH batteries with a charger that is NOT designed for NiMH batteries, as permanent damage to the battery and charger could result.
6. Always check NiMH batteries in a fireproof location. Do not charge or discharge NiMH batteries on carpet, a cluttered workbench, near paper, plastic, organic materials or wood, or inside a RC model or full-sized automobile. Monitor the charge area with a smoke or fire alarm.
7. Do not charge NiMH batteries at currents greater than the “1C” rating of the battery (“C” equals the rated capacity of the battery).
8. Do not allow NiMH cells to overheat at any time! Cells which reach greater than 140 degrees Fahrenheit (60°C) will not charge fully when too cold or show full charge.
9. Do not charge NiMH batteries at currents greater than the “1C” rating of the battery (“C” equals the rated capacity of the battery).
10. Do not leave a NiMH battery unattended at any time while being charged or discharged.
11. Do not attempt to charge NiMH batteries with a charger that is NOT designed for NiMH batteries, as permanent damage to the battery and charger could result.

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**Secure Digital (SD) Memory Card Handling Instructions**

**MicroSD Card**
The MicroSD card (TF Card) in Taranis X9D Plus can store various files, such as model data, music, sound files, pictures and text. The card is locked when it is pushed in all the way in. To remove the card, push in the card again, it will pop out allowing you to remove it.

**Warning**
- Be sure to turn off the power of the transmitter before inserting or removing the MicroSD card.
- As the MicroSD card is a precision device, do not use excessive force when inserting.