Hangar 9 Fun Scale P-47 PNP Model Preset Notes and Instructions

Basic Setup (6+ channel Receiver and Transmitter compatible)

The basic setup provided here gives Fun Scale P-47 PNP owners presets to help expedite setup and to get you in the air quickly. This includes dual rates, retractable gear operation and throttle cut. There are also switches and channels assigned for use with optional SAFE and AS3X modes (when paired with a Spektrum Smart AS3X receiver) and reverse thrust from the included Spektrum Avian Smart ESC. This Smart Receiver model preset is meant to be used with Spektrum 6-channel AS3X and SAFE Smart receivers, such as the Spektrum AR637T, AR630 and AR631. Likewise, this file is setup for use with the available transmitter preset. This file can be imported on to your receiver via the Spektrum PC Programmer app. See links below for model preset import instructions and to download the Model Preset files from the Spektrum File Share directory.

Receiver Port Assignments for 6-channel AS3X/SAFE

Port 1 - Throttle/ESC
Port 2 - Right Aileron
Port 3 - Elevator
Port 4 - Rudder
Port 5 - Retracts
Port 6 - Left Aileron

- Download DX Gen2 Presets HERE – - Download NX Setups HERE – - Download iX Setups HERE – Download Smart SAFE/AS3X Receiver Setups HERE -

SWITCH LAYOUT FOR TRANSMITTER MODEL PRESETS				
6-Channel Basic Model Preset	**Channel 5/Switch A** (Retractable Gear)	**Channel 8/Switch B** (optional Smart SAFE Receiver needed with 6 channel Smart SAFE receiver preset)	**Channel 7/Switch D** (Thrust Reversing needs configured via Avian Prog)	**Other Functions**
Use the Fun Scale P-47 PNP model file for simple setups with Flaps, Dual Rates, Throttle Cut, and optional- use SAFE and Thrust Reverse features.	Pos 0: Gear Down	Pos 0: SAFE – Angle Demand	Pos 0: Normal	Switch C: Elevator/Aileron High and Low Dual Rates
	Pos 1: Gear Up	Pos 1: AS3X Stability	Pos 1: Thrust Reverse	Switch H: Throttle Cut
		Pos 2: Gyro off – no stability	Pos 2: Thrust Reverse	

Once the model files are loaded, and your receiver is installed with the port assignments shown above, it is VERY IMPORTANT to follow our Preflight Checklist. This verifies correct function and will prevent damage to components.

LEAVE PROPELLER OFF UNTIL PREFLIGHT CHECKS ARE COMPLETED

Preflight Checklist

- **Mechanically Center Control Surfaces** – verify that with trims neutral, servo arms are centered. Then with AS3X/SAFE inactive, mechanically center the control surfaces by adjusting the linkages. For optimum AS3X performance the goal is minimal amount of subtrim, zero is preferred. A small amount of flight trim is acceptable, adjust linkages after first flights if trim is excessive.
- **Test controls for correct response to stick inputs** – If you are using an out of the box PNP model with no change in hardware, the presets will function properly, but it is always a good idea to confirm these movements before every flight. IF they are incorrect, please refer to the channel assignment diagram above and ensure your servos are plugged in as designated.
- **Check servos for binding** – Move your controls to their maximum throws in each flight mode/mix and observe the servo arms and linkages. If binding occurs; ensure the servo arms and linkages are installed properly per the instruction manual. Use additional tuning of the Absolute Travel Menu to restrict movement of controls if binding is occurring. (This has been performed on our Model Presets BUT it can occur from variations to your servo arm positions, control travels, and sub trim settings)
- **Take your time to understand what each switch position does** – One great tool to help prevent confusion in flight is the Audio Events menu. Use this menu in your Spektrum transmitter to have your transmitter announce the mode and switch position with a recognizable phrase or sound. *(Audio Event menu not available on DX6e or DX8e)*
- **If using Smart SAFE/AS3X Receiver Model Presets, access the Forward Programming menu and perform the following:**
  - **Select Relearn Servo Settings to ensure the receiver records your transmitters servo settings**
  - **Adjust Receiver Orientation setting to match the position of your receiver via the Orientation menu**
  - **Test SAFE/AS3X modes for proper control corrections –** If these are incorrect, repeat receiver orientation setup and relearn servo settings function.
- **If you have setup Thrust Reversing via the Avian Prog menu or with the Spektrum ESC Programmer:**
  - **Ensure that the Channel and Switch you have selected is NOT occupied by another function**
  - **Check motor for correct rotation in correspondence to your assigned switch –** If this is incorrect or not to your preference, simply reverse the channel in the Servo Setup menu

Thank you for being a Spektrum and Hangar 9 customer. If you have any questions, feel free to contact us on social media to chat with our team.