

Using Flight Modes in Mixers on JR10SX II Transmitter

Written by Administrator

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On the JR 10SXII radio it is possible to use the flight modes as inputs to any mixer along with the Hover Pitch, Hover Throttle, High Pitch, and Low Pitch knobs. The five mixing channels we want are as follows

Channel		Mixer	Input
5	Gear	Flight Mode	
7	Aux2	Low Pitch Knob	
8	Aux3	High Pitch Knob	
9	Aux4	Hover Throttle Knob	
10	Aux5	Hover Pitch Knob	

When you use channel 5 as the mixing channel it shows up as gear. This is connected to the gear switch. For the standard mixers you will see a NORM with sel below it. Pressing the select changes this to INCL. Pressing it again changes it to ORIG. At this point the Gear changes to FMOD. Now the master channel is the flight mode and the master output is as in the table below

Flight Mode		Output
Normal		33%
Idle Up		150%
Idle Up		267%
Idle Up		384%
Idle Up		4100%
Throttle		100%

Since the outputs are discrete steps rather than a variable channel, a multi-point mixer is more suited. Using a multi-point mixer you must select the third page to enable the ORIG functionality.

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Using the flight mode as an input to a mixer is useful when using a governor as you can change the RPM of the governor depending on the flight mode. You could also change the gyro gain in the same way.