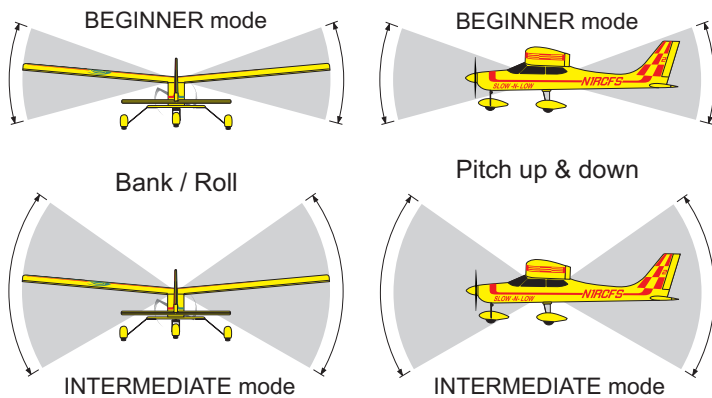


One Week To Solo and Park Flying manuals addendum: Training on airplanes with gyro stabilization

The gyro stabilization SAFE technology incorporated into certain primary training airplanes is making it significantly easier for newcomers to the sport to quickly become successful independent solo pilots. Although these planes initially require the use of unconventional (simplified) control techniques that will later be replaced with conventional control techniques, new pilots are wise to take advantage of the many benefits of starting out on airplanes utilizing progressive gyro stabilization.

SAFE technology offers the novice pilot the option to start out in BEGINNER mode. In this mode, bank/roll and pitch are typically limited to no more than 15 degrees, thereby limiting the plane to mild maneuvering. In the BEGINNER mode, the airplane returns to an upright level attitude the instant the transmitter controls are returned to neutral. Hence, other than running into obstacles, it is virtually impossible for a pilot to lose control or crash in this mode.



Switching to INTERMEDIATE mode nearly doubles the allowable bank and pitch angles to enable more nimble maneuvering. The auto-level feature is no longer active and therefore the plane is flown with “conventional” control techniques similar to those used to fly most airplanes.

Switching to EXPERIENCED/NORMAL mode removes any artificial bank or pitch limits and the plane does whatever the pilot tells it to do, whether correct or incorrect.

As amazing and helpful as SAFE technology is to enable new R/C pilots to fly more safely and without frequent mishaps or having to depend on others, proper instruction is still needed to learn the techniques that promote long term success and enjoying the sport to the fullest.

One Week To Solo and Park Flying manuals teach “conventional” control techniques that will enable you to fly the majority of airplanes with maximum proficiency. However, if your primary training airplane offers SAFE technology, it is highly recommend that you start out in the BEGINNER mode, knowing that you will soon graduate to practicing conventional control techniques once you’ve had some fun and built confidence with your airplane still intact.

The differences flying in the BEGINNER mode compared to flying with conventional control are:

1. In the BEGINNER mode the airplane is essentially steered around the sky like a car (see reverse side), i.e., all the pilot has to do is hold the aileron control stick in the corresponding direction that he or she wants the plane to go. When the throttle/speed control is set for level flight, the stabilization technology automatically keeps turns level without any input from the pilot. When you wish to exit a turn, all you need to do is let the aileron control stick return to neutral and the plane will automatically return to wings level.

(During a conventional turn, holding in the aileron will cause the plane to roll inverted and enter a spiral dive. Turns are instead initiated with a brief (in-out) aileron input to set a bank angle. The turn is then sustained and kept level by holding in up elevator. When you wish to exit the turn, the elevator is taken out and opposite aileron is then applied to return the wings to level.)

2. In the BEGINNER mode, climbs, level flight, and descents are primarily controlled using the throttle/speed control, with the option to use the elevator (pitch control) to make subtle attitude adjustments.

(In the conventional NORMAL mode, the elevator is used throughout the flight to control climbs, level flight, and descents, along with the throttle.)

Some veteran pilots frown upon using SAFE stabilization technology because the control techniques are initially different than the conventional techniques used to fly higher performance airplanes and planes without stabilization. But, they fail to consider that you have the option to switch back and forth whenever you feel like it and your study of One Week To Solo will ensure a rapid transition to conventional control when you are ready to switch. Enjoy the manual!

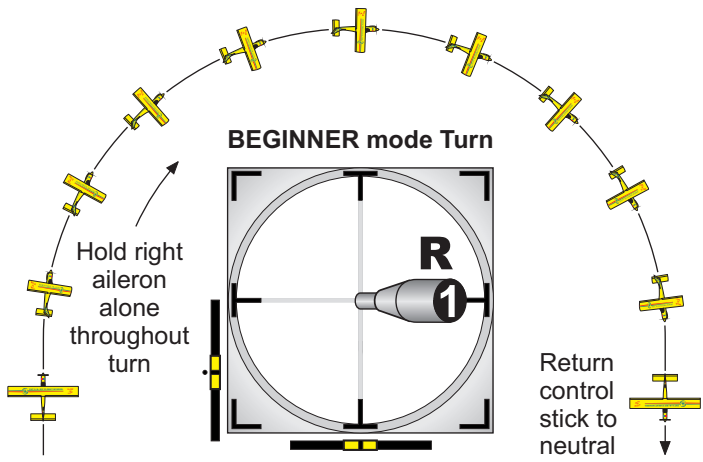


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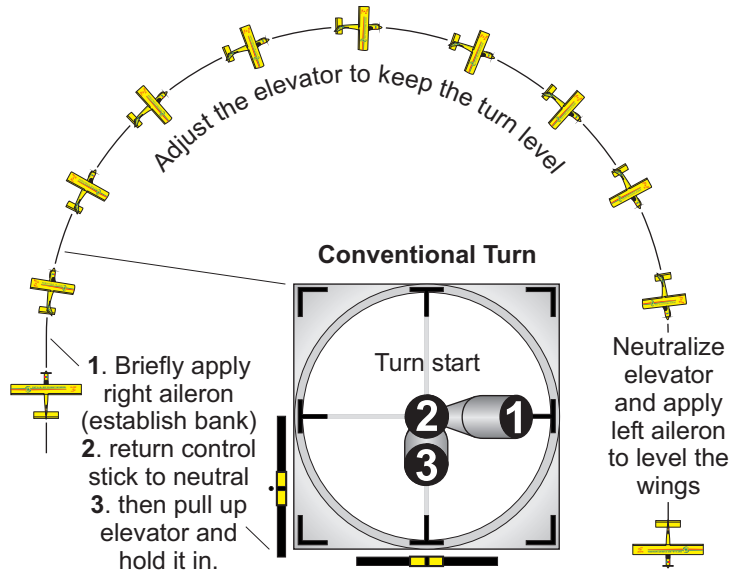


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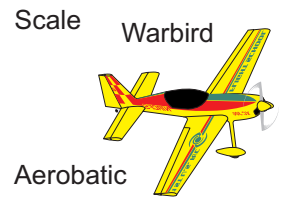
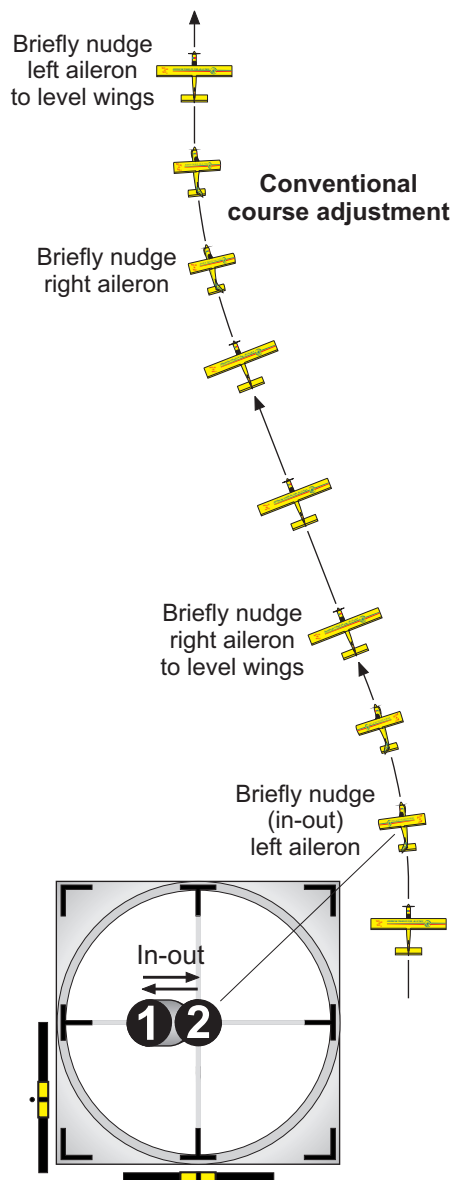
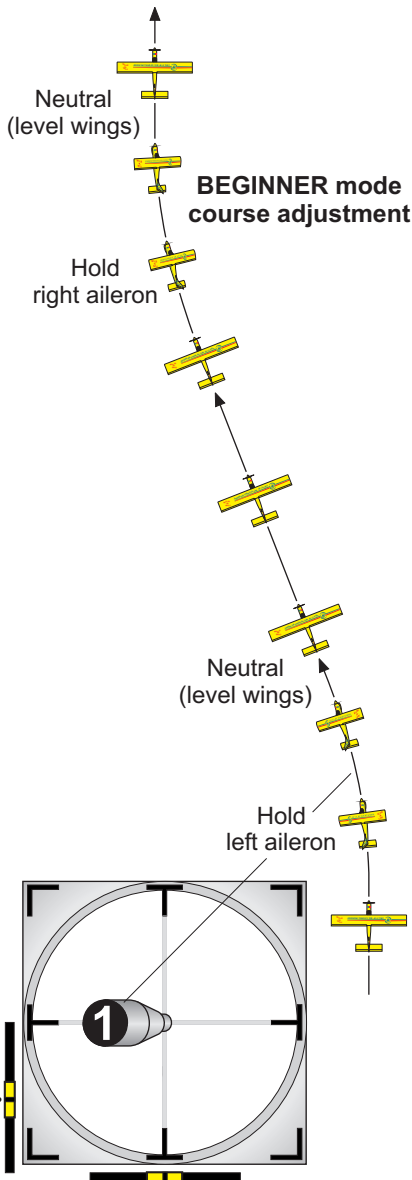
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Conventional airplanes



Box 212
 Shawano, WI 54166
 715-853-1003
 1usrcfs@gmail.com
 www.rcflightschool.com