TWINSYNC QUICKSTART GUIDE

This document describes a quick step-by-step procedure of how to setup and install the TwinSync.

1. Setup your airplane's throttles so that the throttle servos operate as they should with the transmitter end points at 100% in both directions (idle and full throttle).
2. If you are using the TwinSync with engines that do not already have crank shaft mounted magnets the you need to install magnets into the spinner back plates. To do this dill a 3/16" hole near the outside of each spinner just deep enough so that the magnet are flush when installed. Glue one magnet into each spinner using slow curing epoxy.
3. To install the RPM sensors, connect a sensor to the TwinSync (NOT CORRECT ORIENTATION and connector on the diagram below). Turn on power and move the sensor by a magnet. Only one side of the sensor will detect the magnet. When the orientation is correct one of the Green LEDs will turn on. Mount both sensors about 1/16" to 1/8" from the magnet so that the Green LEDs turn on once per prop rotation.
4. Now install the device into the airplane connecting everything as shown on the diagram. The device an be wrapped with foam rubber or simply held to the aircraft frame with tie wraps or a similar installation procedure.
5. Turn on the transmitter and receiver with everything connected. One yellow LED should come on just above idle as the throttle stick is moved from idle toward full power. The LED should stay on until the stick is brought back to idle. If the throttle direction is reverse change it on the transmitter so that the Yellow LED is off at idle and on above idle. The TwinSync will not operate if the transmitter direction is reversed. If the servos are backwards their direction can be reversed on the TwinSync.
6. If the throttle servos are backward you need to change their direction on the TwinSync. To do this turn off the receiver. Move the rotary selector switch to position "7". Now turn the receiver on. Push each button once. This changes the throttle servo direction. Move the throttle stick and make sure the direction is now correct. Now move the selector switch back to position "0".

You are now ready to fly with Synchronized engines. If you want to use the onboard glow drivers or use the AUX Channel input for different operating modes please refer to the Users Guide and Operations Manual for connection details, programming and operational instructions.

Note: All connections are oriented so that the (-) ground or black wire is toward the top of the board, (+) Red is in the middle, and the signal wire (yellow, white, or Orange) are toward the IC in the middle of the board:

Connection Diagram: