

# Magnattila

Built by Fran Oakey



The Magnattila was designed by Flair Models a, none scale, model of the type of machine flown around the time of the First World War. After much research from books on early aircraft and on the Internet the machine that was found to, very loosely, resemble the model was the Siemens Schuckert E1 monoplane, a machine that was built in about 1915.

My original model was built from the Flair kit, then after many flights and a few heavy arrivals the model was rebuilt, in fact several times, this one being the third major rebuild. The model is a little heavier now than the original because the fuselage has been made stronger by using hardwood stringers instead of balsa stringers as supplied in the kit. A tail wheel has been fitted and connected to the rudder to give steering on the ground, instead of the fixed tail skid shown on the drawing. Another early modification was that the front cowl has been spaced 5/16" from the motor bulkhead F1 in order to allow more air to flow over the motor to improve the cooling because the motor did run a little too warm.

The model is powered by an OS 40 two-stroke motor turning an 11" x 5" prop. The motor is tilted to the right of the model by about 40deg to better position the outlet of the home produced exhaust system. The exhaust has been fitted with a pressure nipple to allow pressurisation of the fuel system. The fuel tank has been repositioned to be across the fuselage instead of being inline, it has also been raised to bring it nearer the level of the carburettor. Then in order to have easy access to the fuel tank a removable aluminium cover has been fitted with the fuel filling tube brought through this cover.

A JR six channel radio system is used for the control, however, only four of the available six channels are used to control the model, throttle, ailerons, elevator and rudder.