



## Red Bull v19-21.0

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### ***Experience the thrill of Large Scale Pylon Racing with easy to fly aerobatic aircraft***

Entry level designed for people with a scale aerobatic model to give racing a go without having to purchase new equipment or learn race craft with an unfamiliar model. Experienced racers also use this as a secondary class and they offer plenty of help for first time racers.

First time racers may be exempt from certain rules at the discretion of the Contest Director to encourage new pilots to participate. [Contact us](#) if you have an aircraft that may not meet all of the rules and are interested in having a go.

**(1)Aircraft:** Any 120 size ARF or kit (no composite aircraft) of a full-size aircraft that has competed in a national or international aerobatic competition or the Red Bull Air Race series. This is for out of the box ARF's with a wingspan of 1650mm(65") minimum. Performance enhancing modifications or alterations to external shape not allowed, including changing shape of surfaces or thinning trailing edges. Cut outs in cowl for cooling and air intake allowed. Fixed main undercarriage (no retracts) that is supplied with ARF, including spats.

Documentation: Published advertisement, box label, instruction book, printout from manufacturer's website for any commercial ARF showing it designed for a 20cc(120) glow two stroke or larger engine.

Radio system: 2.4 GHZ, 1700mAh RX battery minimum. One servo per control surface Minimum torque rating of 3.5kgcm (40oz-in). Elevators may use a single servo, minimum torque rating of 7kgcm (80oz-in).

N.B. If electric powered Red Bull aircraft wish to compete, they can race in the class but will not be eligible for podiums or points unless 3 or more E.P. planes enter so a separate class can be run. Until further notice from the LSRCA, E.P. Red Bulls will be limited to 10S, max 4.20V/cell.

**(2)Engine:** No Engine modifications allowed, standard carburetor to be used, no supercharged or turbo engines:

- Glow Two Stroke 20cc (120)
- Glow Four Stroke 32cc (200)
- Petrol Two Stroke 31cc (185)
- Petrol Four Stroke 40cc (240)

**(3)Fuel:** Glow engines - Methanol/Nitro/Oil only. Petrol engines - Petrol/Oil only.

**(4)Muffler:** Expansion or canister (non-performance enhancing) and should be majority hidden in cowl.

**(5)Prop:** Any commercially available FRP or wood. (carbon fibre and/or fiberglass props not allowed) Prop must be unmodified other than balancing. Pitch and diameter markings must be left intact.