airtek PRO **Pro Series Brushless Outrunner Electric Motor Instructions**

Covering Pro Series 2826, 2830, 2835 Pro

Thank you for purchasing an Airtek brushless outrunner motor. This has been manufactured to the highest standards, and when used within the specifications should provide a long and trouble free service life.

Your motor to ESC wires are provided already soldered to 3.5mm gold connectors. 3 x matching female connectors are supplied to solder to your ESC. Mount the motor to the mount using the 4 recessed screws, you may apply a small amount of thread lock if desired. Attach the motor to the models firewall following the manufacturers instructions. Your motor is supplied with a prop saver, use of this is optional.

- Always use the correct size propeller for the highest performance. Use of an incorrect size propeller may damage the motor.
- Always run the motor below maximum current specifications for a longer life.
- Do not run the motor for more than 60 seconds full power on the ground. The motor unloads and receives maximum cooling during flight.
- Always ensure adequate cooling for your motor, particularly with in cowl installations.
- Always make sure the surrounding area is clear of debris and spectators, and is adequately restrained when powering up. **ELECTRIC MOTORS CAN BE DANGEROUS** - always handle them with respect.
- The quality of your ESC has a great impact on the performance of your motor. If your motor makes unusual sounds try re-timing your ESC.
- Do not store your motor close to magnetic articles.
- Never guess your set-up - use a Watt Meter, they are relatively inexpensive and you can be sure your motor is running within limits.
- Always use an ESC of at least the minimum Amp rating that is designed for use with a brushless motor. Where weight and space permit consider using an ESC of a higher rating.
- Never shorten the wires or cut off the connectors - de-solder them if required. Running the motor with shorter wires will result in damage.
- When connecting the 3 motor wires to the ESC check for correct rotation of the propeller. If the propeller rotates in the opposite direction to that desired, simply swap any two wires for correct rotation direction.

The following specifications are split into 5 sections to cover the 5 series as per the heading of these instructions

2826 Pro Series (1820, 1380, 1250kv) AKPRO/2826/1820/9T, AKPRO/2826/1380/12T, AKPRO/2830/1250/14T

	kv RPM	Max power (watt)	No. of Cells	Max Current	Operating Current	Rec ESC (Min)	No Load Current @10v	Dimensions	Weight	Shaft Dia.	Max Model Weight	Thrust	Rec Prop
1820/9T	1820	170 Watt	2 -3 lipo 7-12 Nixx	16A/10 secs	<13amp	20A	0.7A	28x26mm	45g	3.175 mm	900g	900g	9x4.5
1380/12T	1380	150 Watt	2 -3 lipo 7-12 Nixx	16A/10 secs	<14amp	20A	0.7A	28x26mm	45g	3.175 mm	750g	850g	10x5
1250/14T	1250	120 Watt	2 -3 lipo 7-12 Nixx	12A/10secs	<9amp	18A	0.6A	28x26mm	45g	3.175 mm	650g	800g	10x7

2830 Pro Series (1290, 980, 730kv) AKPRO/2830/1290/9T, AKPRO/2830/980/12T, AKPRO/2830/730/16T

	kv RPM	Max power (watt)	No. of Cells	Max Current	Operating Current	Rec ESC (Min)	No Load Current @10v	Dimensions	Weight	Shaft Dia.	Max Model Weight	Thrust	Rec Prop
1290/9T	1290	200 Watt	2 -3 lipo 6-10 Nixx	18A/10 secs	<16amp	25A	1.1A	28x30mm	56g	3.175 mm	950g	950g	<10x5
980/12T	980	180 Watt	2 -3 lipo 6-10 Nixx	14A/10 secs	<12amp	20A	0.7A	28x30mm	56g	3.175 mm	750g	850g	10x7/11x5.5
730/16T	730	160 Watt	3-4 lipo 8-12 Nixx	12A/10secs	<10amp	18A	0.5A	28x30mm	56g	3.175 mm	700g	700g	<11x7 3s

2835 Pro Series (1880, 1038, 830kv) AKPRO/2835/1880/4T, AKPRO/2835/1038/8T, AKPRO/2835/830/10T

	kv RPM	Max power (watt)	No. of Cells	Max Current	Operating Current	Rec ESC (Min)	No Load Current @10v	Dimensions	Weight	Shaft Dia.	Max Model Weight	Thrust	Rec Prop
1880/4T	1880	290 Watt	2 -3 lipo 6-9 Nixx	28A/10 secs	<23amp	30A	1.4A	28x35mm	68g	4 mm	1200g	850g	<9x4.5 3s
1038/8T	1038	3400Watt	3-4 lipo 8-12 Nixx	25A/10 secs	<20amp	30A	1.1A	28x35mm	68g	4 mm	1100g	1200g	<10x7 3s
830/10T	830	320 Watt	3-4 lipo 8-12 Nixx	25A/10secs	<20amp	30A	1.1A	28x35mm	68g	4 mm	1100g	700g	<11x7 3s

Please note: all specifications are supplied in good faith and recommendations are included as a starting point. Individual examples of motors can vary slightly, and propellers from different manufacturers provide different loads. Wherever possible always use a watt meter to determine that the load on your particular motor is within specifications.

For a full range of accessories to compliment your motor, please visit www.airtekhobbies.com
We hope you enjoy your product - Happy Landings!

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