

Spinnin Birdy Aileron Specifications			Mini Dart 2 Carbon layup Specifications					
<b>Wing span</b>	1.00 m	39 in	<b>Wing span</b>	1.0 m	39 in			
<b>Wing area</b>	14.4 dm <sup>2</sup>	223 sq in	<b>Wing area</b>	11.6 dm <sup>2</sup>	180 sq in			
<b>Length</b>	85 cm	33.5 in	<b>Length</b>	72 cm	28.2 in			
<b>Flying weight from</b>	200 g	7.1 oz	<b>Flying weight from</b>	125 g	4.4 oz			
<b>Wing loading</b>	13.9 g/dm	4.6 oz/sq ft	<b>Wing loading</b>	10.8 g/dm	3.5 oz/sq ft			
<b>Aspect ratio</b>	6.9		<b>Aspect ratio</b>	8.6				
<b>Wing airfoil</b>	Proprietary		<b>Wing airfoil</b>	AG45, AG455, AG46, AG47				
<b>Dihedral angle</b>	5.0°		<b>Dihedral angle</b>	6.0°				
<b>Centre of Gravity</b>	TBA mm from wing leading edge		<b>Centre of Gravity</b>	58-62 mm from wing leading edge				
<b>Controls</b>	Rudder, elevator, ailerons		<b>Controls</b>	Ailerons, elevator, rudder				
Spinnin Birdy Aileron Typical Weights			Mini Dart 2 Carbon Layup Typical Weights			Mini Dart 2 Glass Layup Typical Weights		
			<b>Fuselage (carbon)</b>	22.7 g	0.8 oz	<b>Fuselage (glass)</b>	32.6 g	1.1 oz
			<b>Wing (carbon)</b>	54.0 g	1.9 oz	<b>Wing (glass)</b>	59.0 g	2.1 oz

			<b>Fin</b>	2.5 g	0.1 oz	<b>Fin</b>	2.6 g	0.1 oz
			<b>Tailplane</b>	3.3 g	0.1 oz	<b>Tailplane</b>	3.3 g	0.1 oz
			<b>Accessories</b>	7.5 g	0.3 oz	<b>Accessories</b>	7.5 g	0.3 oz
<b>Total structure</b>	160.0 g	5.6 oz	<b>Total structure</b>	90.0 g	3.2 oz	<b>Total structure</b>	105.0 g	3.7 oz
			<b>Glue mounts etc</b>	2.0 g	0.1 oz	<b>Glue mounts etc</b>	2.0 g	0.1 oz
<b>Receiver</b>	4.5 g	0.2 oz	<b>Receiver</b>	5.0 g	0.2 oz	<b>Receiver</b>	5.0 g	0.2 oz
<b>Tail servos</b>	4.5 g	0.2 oz	<b>Tail servos</b>	9.0 g	0.3 oz	<b>Tail servos</b>	9.0 g	0.3 oz
<b>Aileron servos (2)</b>	9.0 g	0.3 oz	<b>Wing servos</b>	9.0 g	0.3 oz	<b>Wing servos</b>	9.0 g	0.3 oz
<b>Battery</b>	12.0 g	0.4 oz	<b>Battery</b>	10.0 g	0.4 oz	<b>Battery</b>	10.0 g	0.4 oz
<b>Flying weight</b>	200.0 g	7.1 oz	<b>Flying weight</b>	125.0 g	4.4 oz	<b>Flying weight</b>	140.0 g	4.9 oz
<b>Noseweight</b>	5.5 g	0.2 oz						
<b>Recommended R/C-nano gear only</b>			<b>Recommended R/C-nano gear only</b>					
<b>Elevator &amp; rudder servos</b>	Blue Bird BMS-101DMG, Blue Bird BMS-101HV, Hitec HS-40, KST X06		<b>Elevator &amp; rudder servos</b>	Blue Bird BMS-101DMG, Blue Bird BMS-101HV, Hitec HS-40, KST X06				
<b>Aileron servos (2)</b>	Blue Bird BMS-101DMG, Blue Bird BMS-101HV, Hitec HS-40, KST X06		<b>Aileron servos</b>	Blue Bird BMS-101DMG, Blue Bird BMS-101HV, Hitec HS-40, KST X06				

<p><b>Receiver</b></p>	<p>Spektrum AR6260*, AR6100e, AR400, Futaba R6004FF*, Orange DSM2 compatible, Jeti Duplex R4 &amp; R5, Multiplex Mlink RX-6-DR Light*, FrSky D4R II</p>		<p><b>Receiver *case removed</b></p>	<p>Spektrum AR410, FrSky GR6, Jeti R4L, Futaba R3004SB, FrSky X4R, Orange DSM2 compatible, Multiplex Mlink RX-6-DR Light*</p>				
<p><b>Battery</b></p>	<p>HyperLipo 2S 175 mAh, HyperLipo 2S 300 mAh, 150 mAh 4.8V, Radient 1S 600 mAh, Radient 1S 700 mAh, 1S 300 - 700mAh LiPo</p>		<p><b>Battery</b></p>	<p>Ytong 1S 380 mAh LiPo, HyperFlight 150 mAh 4.8V NiMH, Radient 1S 500 mAh LiPo (Short), Radient 1S 500 mAh LiPo, Radient 1S 600 mAh LiPo</p>				
			<p><b>Mini Dart 2 Control Throws</b></p>					

			<b>Rudder</b>	11 mm each way				
			<b>Elevator</b>	8 mm up / 8 mm down				
			<b>Ailerons</b>	11 mm up / 8 mm down				
			<b>Camber Settings</b>					
			<b>Launch</b>	1 mm up				
			<b>Speed</b>	0.5 mm up				
			<b>Cruise</b>	0 mm				
			<b>Thermal 1</b>	2 mm down				
			<b>Max thermal</b>	6 mm down, elevator 1 mm down				
			<b>Landing</b>	45 mm down, elevator 5 mm down				