



Mad4Heli is proud to announce that they will be stocking the Xpert Servo range for RC helicopters in Australia. As most of you know Mad4Heli is synonymous with quality RC heli gear and Xpert servos are a perfect fit for our product line up.

There are two servo sets that will initially feature that are both high end Brushless, and feature rich solutions for both small (micro servo) and large (full size servo) RC helicopters.

**The New R1 Servo *a Paradigm shift in RC Helicopter control:***





## Features

- **Quick release cable** that allows easy and quick installation for all helicopters.
- **Brushless** motor design provides extremely high speed, top efficiency, and low power consumption.
- **4096 resolution** and SIC (Single Integrated Circuit) for the highest performance and durability.
- **Light weight** design all Aluminium case for the best thermal dissipation and durability.
- **Strong** Metal Gear
- **Glitch-free** sophisticated error correction
- **High-Speed, High-precision** 12-bit AD converter and CPU calculation
- **Fail safe** Over current protection Over temperature protection
- **Start sonorant** Audible start up
- Operating frequency **up to 400Hz**

## SPECIFICATIONS

HS-6401-HV XPERT R1 Standard <b>Cyclic</b> Servo			HS-3302T-HV XPERT R1 Standard <b>Tail</b> Servo		
<b>Dimensions:</b>	40mm x 37.80mm x 20 mm		<b>Dimensions:</b>	40mm x 37.80mm x 20 mm	
<b>Weight:</b>	72 g		<b>Weight:</b>	72 g	
Voltage	Speed sec/60	Torque kg-cm	Voltage	Speed sec/60	Torque kg-cm
6.0v	0.086	21.43 kg-cm	6.0v	0.056	12.00 kg-cm
7.4V	0.07	26.43 kg-cm	7.4V	0.045	14.80 kg-cm
<b>8.4V</b>	<b>0.062</b>	<b>30.00 kg-cm</b>	<b>8.4V</b>	<b>0.040</b>	<b>16.80 kg-cm</b>





The ultimate in Micro Servos **Currently the only Brushless Micro servos available:**



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## SPECIFICATIONS

CM-2401-HV XPERT 450class Micro SUPER TORQUE METAL <b>Cyclic</b> Servo			CM-2301T-HV XPERT 450class HIGH SPEED METAL narrow band <b>Tail</b> Servo		
<b>Dimensions:</b>		23.15mm x 29mm x 13 mm	<b>Dimensions:</b>		23.15mm x 29mm x 13 mm
<b>Weight:</b>		21 g	<b>Weight:</b>		21 g
Voltage	Speed sec/60	Torque	Voltage	Speed sec/60	Torque
6.0v	0.85	6.02 kg-cm	6.0v	0.071	3.89 kg-cm
7.4V	0.069	7.02 kg-cm	7.4V	0.58	4.80 kg-cm
<b>8.4V</b>	<b>0.061</b>	<b>8.27 kg-cm</b>	<b>8.4V</b>	<b>0.051</b>	<b>5.45 kg-cm</b>