



**Micro Humanoid Robot NX-25Q : RTW & KIT Version available !!**



**ROBOT NX-25Q**

Small size robot, about 24CM tall, 600g weight ( include battery ), using modified R/C ZETA servo, ZETA-HMR 15pcs and ZETA-HMR/MT 2pcs. Basically the following items will be included in a kit:

- Robot metal parts
- ZETA-HMR sub-micro servos ( total 17 servos / 2 types) 4kg torque
- Servo adjuster ( NX-101)
- PWM control board
- Battery pack ( 6.0V, 850mAH, Ni-MH )
- Charger ( AC to DC, 7.0V / 200mA )
- Accessory pack including assembly screws
- USB / RS232 data transmission cable
- Software CD-ROM ( Including Software & Hardware Instruction Manual )
- **ZETA-HMRD ( Digital servo / Optional )**
- **A-200D single output Piezo Gyro ( Optional ) ( Weight: 2.70g )**
- **RGY-201 dual output Piezo Gyro ( Optional ) ( Weight: 5.00g )**

**Hardware Advantage :**

- Compact sized for convenience storage and carry about.
- Excellent PWM board for digitalize parameters control.
- Easily and quickly assemble and maintainable.

**Versatile Software:**

- Easy save posture parameters from the shapes of robot.
- Easy upload/download posture setting between the PC and robot.
- 8 levels motion-speed can be setting by software.

More details data and prices, please visit RCmart e-mail or website at :

[rc.mart@msa.hinet.net](mailto:rc.mart@msa.hinet.net)

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## **Hurricane 550 EP Helicopter**

**Valued Price w/Brushless Motor + ESC-50A Offering Now !!**



### **Hurricane 550:**

Overall length: 1060 mm

Overall Height: 305 mm

Overall Width: 85 mm

Main Rotor diameter: 1110 mm

Main Blade Length : 500 ~ 550 mm

Tail Blade Length : 80 mm

Tail Rotor diameter : 222 mm

Main rotor control system: ECCPM

Motor: 550 size

Flying weight : Less than 2000g ( w/2.2V 2250mAh Battery Pack)

***KIT becoming Flying: just 30 min. only !!!***



### **Strong Advantages with sufficient supplying of spare parts:**

- **Light weight (Less than 2Kgs for RTF configurations), easy for 3D aerobatics.**
- **Easy carry and quick remove / re-install the Tail Blades set and Titanium Tail Tube.**
- **Made by Dupon aviation engineering plastic, light and rigid, suit for violent aerobatics.**
- **Two steps reduction gear, wide range of gear ratio ( 5.4 ~ 24.5:1:4.36), easy for dynamic power arrangement.**
- **Economic power requirement, using 2 of 3S1P 2250 mAh Li-Po battery for more than 8 minutes fully 3D flying.**
- **Main frame suit for most brands of electronic device installed ( Servos, Gyros, ESCs, Internal / External BECs)**
- **Come with selected brushless motor & ESC(optional for Internal / External BEC), for excellent quality 3D flying.**
- **Come with a pair of special tested wooden mail blades, the standard version is capable for 3D flying.**

More details data and prices, please visit RCmart e-mail or website at :

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**Xtreme 400 EP Micro Heli ~ The markets favorite !!!**

**Even though the booming of 500 and 600 EP helicopters in last year. Ultimately, the marketing main stream still in 400 levels, they're best Favorite of players and always best selling in markets.**



- > 90% Assembled and installed with Brushless motor.**
- > Enhanced Structure for quick response and 3D aerobatic**

**Xtreme 400:**

Fuselage overall length: 630mm  
Main rotor diameter: 635mm  
Tail rotor diameter : 130mm  
Main rotor control system: Collective Pitch Control  
Motor: 400 size  
Flying weight : About 550g ( w/11.1V 1600mAH Battery Pack)  
Flying duration: 8 ~ 12minutes

**Enhanced structure with sufficient supplying of spare parts:**

- |                                      |   |
|--------------------------------------|---|
| <b>Tail Output shaft 3mm dia</b>     | <b>Tail output compact structure</b>      |
| <b>Tail boom sandblasted</b>         | <b>Tail rotor blades easy alternation</b> |
| <b>Swashplate flexible movement</b>  | <b>Stabilizer blade easy screwed</b>      |
| <b>Precise ball bearings control</b> | <b>Special structure for 3D flying</b>    |
- ( Customize canopy is acceptable upon numerous requested )**

Bell 222



MD500E



MD500R



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### Genius 180 EP Ultra Micro Heli

--> Assembled with Metal Parts & Brushless Motor

--> SE Main Frame compatible with alternatively variety servos (5g, 8g, 10g)



#### Genius 180:

Overall length: 345mm

Main rotor diameter: 340mm

Tail rotor diameter : 100mm

Main rotor control system: CCPM

Motor: 180 size

Flying weight : About 190g ( w/7.4V 800mAH Li-Po Battery Pack)

Flying duration: 6~12minutes

**3-Rotor Blades releasing !!**



**Assembled following parts for catering 3D aerobatic and stable requirements:**

**SE Main Frame Set**

**Metal Rotor Yoke Set**

**3D Main Gear Set.**

**Metal Main Grips Set**

**Carbon Fiber Tail Boom.**

**Metal Swashplate Assembly**

**Carbon Fiber Fin & Stabilizer**

**Metal See-Saw Arms Set**

**Double Bearings Tail Pitch Slider Set**

**Metal Washout Base Set**

*( Customize canopy is acceptable upon numerous requested )*



( SC-300 Fuselage )



( AS-350 Fuselage )



( BE-206 Fuselage )

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## pixy ZAP STD 100 EP Ultra Micro Heli

**Valued Price Offering Now !!**



### **pixy ZAP STD:**

Fuselage overall length: 310mm

Main rotor diameter: 340mm

Tail rotor diameter: 100mm

Motor: 180 size (Brushed)

Rotor head assembly: collective pitch control (Bell-Hiller system)

Tail rotor drive system: Belt drive

Flying weight: 180g ( It varies according to size & weight of battery pack & R/C gadgets)

Flying time: 10 ~ 12 minutes (w/ 7.4V/ 800mAH Li-Po Battery Pack )

***( Customize canopy is acceptable upon numerous requested )***



( SC-300 Fuselage )



( AS-350 Fuselage )



( Bell-222 Fuselage )

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## Papillon Palm-size Micro Heli ( 100% RTF )

--> 4-CH Control and fully-function micro helicopter

--> Incredible stable, active and intelligent flying



### Papillon Palm-size:

Fuselage overall length: 203mm

Main rotor diameter: 268mm

Tail rotor diameter : 268mm

Main rotor control system: ECCPM

Motor: N30 \* 2

Flying weight : About 120g ( w/7.4V 450mAH Li-Po Battery Pack)

Flying duration: 6 ~ 8 minutes

### **RTF Configuration:**

**Papillion Helicopter**

**Servo ( 5.5g ) \* 2pcs**

**RX+ESC+Gyro +Mixer 4 in 1 one-board system \* 1 set**

**7.4V/450mAh Li-Po battery pack / Battery Charger**

**4-CH Transmitter**

*( Customize canopy is acceptable upon numerous requested )*



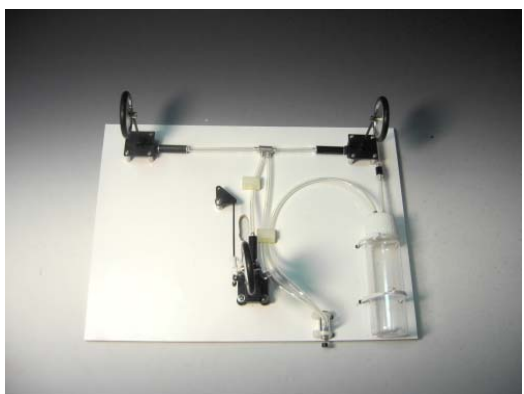
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## Tiger Shark 400 EP Ducted Fan Airplane



### **1. Tiger Shark Airplane: (Comes in Red / Blue / Black colors)**

( With Dia. 65mm Ducted Fan / Without Motor Assembled )

- Wing Span: 700mm
- Wing Area: 13.6dm
- Length: 760mm
- Weight RTF: 500~550g
- Functions: Elevator, Ailerons, Throttle (and Rudder, Gear)
- Power: 400Motor w/6 Blade Powerfan 400
- Radio Required: 3Ch-5Ch
- ESC Required: 12V 20Amp Micro
- Battery Required: 11.1V~12V 1100~1600mAH

### **2. Tiger Shark Airplane Optional Spare Parts:**

- Wings
- Fuselage
- Tailplane (vertical fin + horizontal stabilizer, 3pcs/set)
- Plastic parts
- Dia. 65mm Ducted Fan + adaptor + brushed motor
- Dia. 65mm Ducted Fan + adaptor
- 6-Blade set (w/o screw and adaptor)
- O403DF Brushless Motor
- Brushless Melody ESC-25A

### **3. Micro Pneumatic Retract Gear System: (Loading under 600g)**

- Pneumatic Retract Gear System

Contents :

- Air Valve
- Multi-way Air Tube Connector
- One-way Valve
- Air Tank
- Air Tube
- Main Landing Gear
- Nose Landing Gear

- Wheels x 3 pcs (Optional)

- Steering Wheel Control Wire Set (Optional)

# **MIRAGE 2000 400 EP**

## **Ducted Fan Airplane**



### **1. Mirage 2000 Airplane: (Comes in Red color)**

( With Dia 65mm Ducted Fan / Without Motor Assembled )

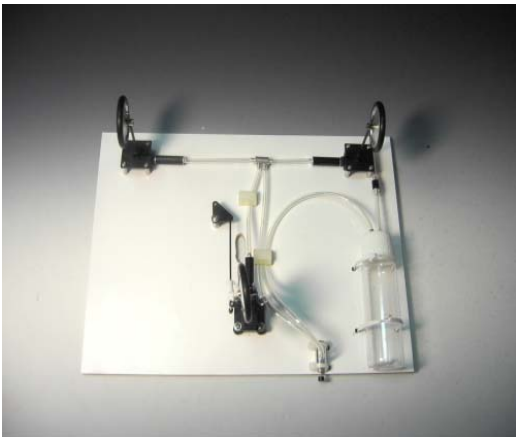
- Wing Span: 540mm
- Wing Area: 10.8dm
- Length: 760mm
- Weight RTF: 500~550g
- Functions: Elevator, Ailerons, Throttle (and Rudder, Gear)
- Power Required: 400Motor w/6 Blade Powerfan 400
- Radio Required: 3Ch-5Ch
- ESC Required: 12V 20Amp Micro
- Battery Required: 11.1V~12V 1100~1600mAH



### **2. Mirage 2000 Airplane Optional Spare Parts:**

- a. Wings + Vertical Fin
- b. Fuselage
- e. Dia. 65mm Ducted Fan + adaptor + brushless motor
- f. Dia. 65mm Ducted Fan + adaptor
- g. 6-Blade set (w/o screw and adaptor)
- h. O403DF Brushless Motor
- l. Brushless Melody ESC-25A

### **3.Micro Pneumatic Retract Gear System (Loading under 600g)**



- a.Pneumatic Retract Gear System

Contents :

- Air Valve
- Multi-way Air Tube Connector
- One-way Valve
- Air Tank
- Air Tube
- Main Landing Gear
- Nose Landing Gear

- b.Wheels x 3 pcs (Optional)

- c.Steering Wheel Control Wire Set (Optional)





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## Genius 180 Heli Smart ECP

*High valued ! Low cost !*

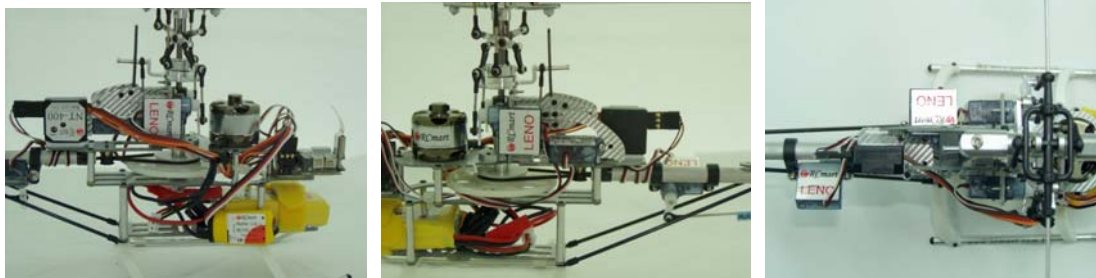
**Special electronic components pack for Genius 180 helicopters.**

*Compact size, Low weight, Best performance, Good reliability !*

Capable for indoor and outdoor violent 3D flying !



Easy installation ! Quick maintenance !



### **The pack contents of follows :**

#### **\* LENO Sub-micro servo X 4 pcs.**

- Torque : 400g.cm/4.8V, or 500g.cm/6.0V.
- Weight : 4.58g.
- Size : 20 X 6.5 X 19 mm.
- Rotate speed : 0.12 sec/60 degrees/4.8V, or 0.11sec/60 degrees/6.0V.
- High accuracy position algorithms for RC fields' applications.

#### **\* NT-400 Head Locked Gyroscope X 1 pcs.**

- Fast response and high precision locking ability.
- Lock / Non-lock mode switched by transmitter and color LED indicated.
- Sensitivity adjustable.
- Temperature compensation algorithms.

~ To be continued ~

**\* Brushless electronic speed controller 10A X1 pcs.**

- Operation current : 10A (30% over surge current in 15 seconds).
- Throttle curve setting.
- Brake / Non-brake setting
- Soft cut-off function.
- Over heat (temperature) protection.

**\* Li-polymer battery 800mAH X1 pcs.**

- Stable material for safety charge, discharge, and storage.
- High discharge rate (~ 15C).
- High charging ability (1~3C).
- High endurance for varied ambient temperatures.
- Long life for charge / discharge (more than 100 times in normal conditions).

**\*Additions :**

***Seasonal gift from RCMart:***

**\* The NX-101 servo neutralizer x 1pcs.**

- For servo center (neutral) point setting.
- Small sized, light weighted, and easy connecting.
- Suit for any kinds of servos.



More details data and prices, please visit RCMart e-mail or website at :

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## **LEXI Ultra-Micro Servo**



### **LEXI, the world smallest 2.5g servo for RC / Robots applications.**

LEXI servo is a new developed product for applications in RC and Robot fields. Small sized, light weight, and high speed responses. It is special miniaturize designed for RC and Robot's sophisticated applications.

In RC fields, it is the best suit for mini indoor airplane / helicopter controlling, and some of the special switching control during the flying (e.g. light, gear, and ignition system). In Robot's applications, it is conveniently for control a mini switch; scan the sensor / visual module for wide ranges; or guide a light or laser beam to the particular positions. It can be controlled by the normally PWM signal form 1.0 ~2.0 ms wave width, and response to 160° sweep angles in precision; smooth; and static characteristics.

The specifications of LEXI servo are as follows :

Size : 20.00 X 6.50 X 11.30 mm

Weight : 2.5g

Rotation torque : 150g.cm/4.8V

Speed : 0.11 sec/60°/ 4.8V

Input voltage : 4.8~6 V(typical : 5 V)

Consumption current : 160 mA

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## 8010 Servo Tester



### **8010, Multi-purposes servo tester**

The 8010 servo tester is well designed for multi-purposes applications. They are capable to turn servos to any of PWM signal positions between 1.00 ms to 2.00 ms of pulsed wave width, and to possess a resolution of 0.01 ms. It also can be applied to control the RC's electronic speed controller (ESC) as a throttle switch. Another benefit is that can receive the PWM signals input from robot's control board or the RC's radio receiver, afterwards show the pulsed wave width on the digital display, just like a simple PWM signal detector. This function is conveniently to provide users a simple and non-expensive tooling for check their PWM output signals.

The specifications of 8010 servo tester are as follows :

Size : 100 X 60 X 25 mm

weight : 80g

Display : 3 and 1/2 digital number

Indicator : 2 LED to indicate the input/output signal source

Input voltage : 4.8~6.0V (typical : 5V)

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## Frequency checker – AX700

*Convenience, Safety, and Fashions !!!*

With AX-700, You never no go again ! Never out of control again !



(Flight fields signal detection) (Radio noise detection) (Best-mate with Transmitter)

Radio bands setting  
(35/36, 40/41, 72/75)

Main channel setting  
(user used frequency)

Neighboring channels (2~98)  
for warning  
alarm setting

Signal quality  
(warning) levels  
setting

Noise attenuation  
levels (0 ~ 80%)  
setting

Warning alarms  
On/Off setting

Back to scan  
monitor mode

Power saving  
time (1 ~ 10 min.) setting

- \*. Portable device, and high sensitivity for critical signal environments.
- \*. Fully bands scanner, easy to setting the using bands and channels.
- \*. Warning functions setting by neighboring signal channels, and alarm levels.
- \*. Noise attenuator functions.
- \*. Sensitivity : -102 dB.
- \*. Auto power saving and low voltage alarm functions.
- \*. Battery : CR2032 cell X 1 (attached).
- \*. Weight : 38 g.
- \*. Size : 78.0 X 47.0 X 11.5 mm.

More details data and prices, please visit RCmart e-mail or website at :

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## *NODIA (No One Do It Ago !!) - the smartest ESC series*

*Are you tired of ESC setting ? Are you fed up with " B,B,B " sounds ?  
Never again ! Try this NODIA ESC !!!*



NODIA BLESC-30A



Helicopter Power Kits



Airplane Power Kits



DF Airplane Power Kits

### **Advantages:**

Smarter Throttle curve fitting for any kinds of transmitters.

Auto detection the Minimum (1.0 ~ 1.3 ms) and Maximum (1.7 ~ 2.0 ms) ranges of the throttle PWM signal.

Best suit for one changed many kinds of transmitters.

Brake and Non-brake setting changed by transmitters.

Low and lost receiver signal protection.

Soft current cut-off protection.

Over heat (temperature) protection.

High / Low battery voltage protection.

### **Specifications:**

Working current: 15A / 30A / 60A / 100A Series.

30% over for 15 seconds surge current in safety conditions.

BEC current output: 2A ( typical for 30A ).

Voltage input: 6.0V ~ 14.4V ( for Li-Ion / Li-Po / Ni-MH / Ni-CD Batteries )

Weight: 21 grams ( typical for 30A ).

Size: 36 x 25 x 8 mm ( typical for 30A ).

More details data and prices, please visit RCmart e-mail or website at :

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## 8210 Lithium battery protector

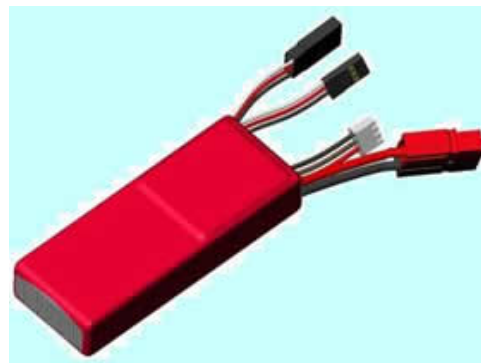
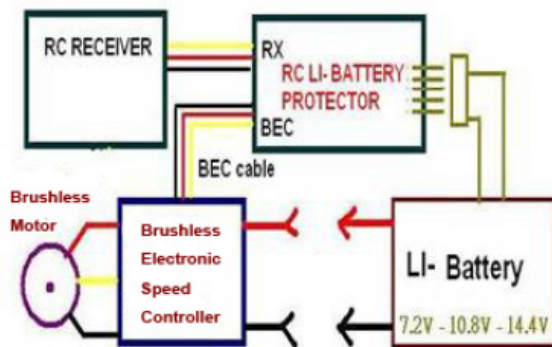
*Most valuable investment for your RC device !*

*Protect your batteries, and protect your aircrafts !  
Saving the precious money and Keeping the best performance*



(Easy to connection with RC components)

(Convenience to attach inside battery pack)



### Features :

- \*. Auto voltage detection functions.
- \*. Individual 2 ~ 4 single cell status displayed.
- \*. Battery over discharge protect for individual cell.
- \*. Low voltage protection for aircrafts by soft cut-off throttle powers.
- \*. Over heat (temperature) protection : if battery temperatures was higher than 60°C (device has to be attached with battery), will start a low voltage protection mode.
- \*. Circuit-short protection : avoid the circuit-short of the BEC and battery leads.
- \*. Weight : 12 g.
- \*. Size : 60.0 X 31.0 X 6.0 mm.

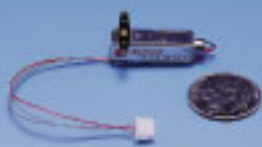
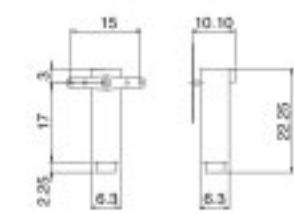

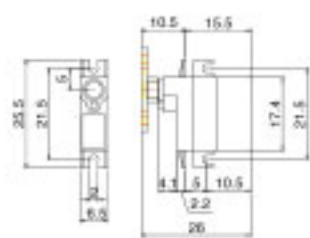

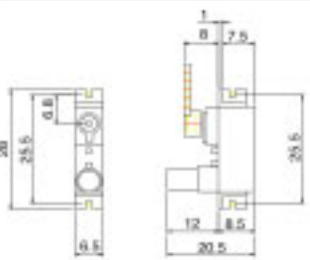

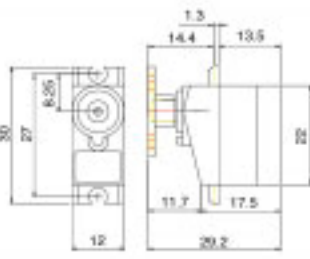

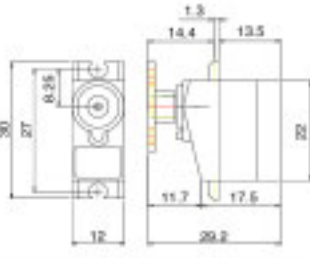

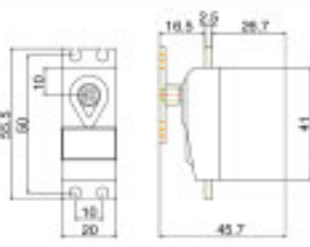
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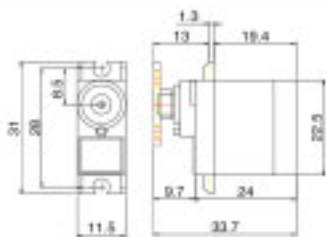
## SERVO

	<p><b>NUKE Ultra Sub-micro Servo</b>            Weight : <b>2.85g</b>            Torque : 4.8V 400g/cm            Speed : 4.8V 0.18sec/60°            Size(mm) : 22.25 x 6.30 x 10.10</p>	
<p><b>NEW</b></p> 	<p><b>PINO Ultra Sub-micro Servo</b>  <b>Metal Gear</b>            Weight : <b>6.45g</b>            Torque : 4.8V 300g/cm            Speed : 4.8V 0.12sec/60°            Size(mm) : 17.40 x 6.50 x 17.70</p>	
<p><b>NEW</b></p> 	<p><b>LEXI Sub-micro Servo</b>            Weight : <b>1.85g</b>            Torque : 4.8V 100g/cm            Speed : 4.8V 0.15sec/60°            Size (mm) : 25.5 x 6.5 x 20.5</p>	
	<p><b>MOCO Sub-micro Servo</b>            Weight : <b>9.85g</b>            Torque : 4.8V 1.0kg/cm            Speed : 4.8V 0.10sec/60°            Size(mm) : 22 x 12 x 20.5</p>	
	<p><b>MOCO BB Sub-micro Servo</b>  <b>W/Ball Bearing</b>            Weight : <b>9.85g</b>            Torque : 4.8V 1.55kg/cm            Speed : 4.8V 0.15sec/60°            Size(mm) : 22 x 12 x 20.5</p>	
	<p><b>e-STD Servo</b>            Weight : <b>45.0g</b>            Torque : 4.8V 3.0kg/cm            Speed : 4.8V 0.18sec/60°            Size(mm) : 41 x 20 x 36</p>	





**SERVO**

	<p><b>ZETA-S Sub-micro Servo</b>            Weight : <b>11.0g</b>            Torque : 4.8V 1.1kg/cm            Speed : 4.8V 0.10sec/60°            Size(mm) : 22.4 x 11.5 x 20.0</p>	
	<p><b>ZETA-H Sub-micro Servo</b>            Weight : <b>13.0g</b>            Torque : 4.8V 2.2kg/cm            Speed : 4.8V 0.11sec/60°            Size(mm) : 22.4 x 11.5 x 24.0</p>	
	<p><b>ZETA-SM Sub-micro Servo</b>  <b>Metal Gear</b>            Weight : <b>13.96g</b>            Torque : 4.8V 1.5kg/cm            Speed : 4.8V 0.10sec/60°            Size(mm) : 22.4 x 11.5 x 20.0</p>	
	<p><b>ZETA-HM Sub-micro Servo</b>  <b>Metal Gear</b>            Weight : <b>15.96g</b>            Torque : 4.8V 2.5kg/cm            Speed : 4.8V 0.11sec/60°            Size(mm) : 22.4 x 11.5 x 24.0</p>	
	<p><b>ZATA-SMD Sub-micro Servo</b>  <b>DIGITAL &amp; Metal Gear Servo</b>            Weight : <b>14.15g</b>            Torque : 4.8V 1.5kg/cm            Speed : 4.8V 0.10sec/60°            Size(mm) : 22.4x11.5x20.0</p>	
	<p><b>ZATA-HMD Sub-micro Servo</b>  <b>DIGITAL &amp; Metal Gear Servo</b>            Weight : <b>16.15g</b>            Torque : 4.8V 2.5kg/cm            Speed : 4.8V 0.11sec/60°            Size(mm) : 22.4x11.5x24.0</p>	

## FM RECEIVER (Available in 35,36,40,41,72,75 MHZ)

	<p><b>R1- 4CH Ultra-Micro RX</b>            Size(mm) : 28.20x7.90x8.40            Weight : 3.05g / 0.108oz            Channel : 4 - CH            Range : 100 M (Min.)            Power DC : 3.5 ~ 7 V</p>		<p><b>R4- 6CH Micro RX</b>            Size(mm) : 32.35x15.65x9.20            Weight : 7.30g / 0.258oz            Channel : 6 - CH            Range : 500 M            Power DC : 3.5 ~ 7 V</p>
	<p><b>R2- 4CH Micro RX</b>            Size(mm) : 29.35x11.35x10.75            Weight : 5.85g / 0.206oz            Channel : 4 - CH            Range : 500 M            Power DC : 3.5 ~ 7 V</p>		<p><b>R5- 7CH Micro RX</b>            Size(mm) : 30.35x18.25x9.45            Weight : 7.80g / 0.275oz            Channel : 7 - CH            Range : 500 M            Power DC : 3.5 ~ 7 V</p>
	<p><b>R3- 5CH Micro RX</b>            Size(mm) : 32.30x13.25x9.90            Weight : 6.55g / 0.230oz            Channel : 5 - CH            Range : 500 M            Power DC : 3.5 ~ 7 V</p>		<p><b>R6- 8CH Micro RX</b>            Size(mm) : 29.60x21.05x10.50            Weight : 8.0g            Channel : 8 - CH            Range : 500 M            Power DC : 3.5 ~ 7 V</p>

## PIEZO GYRO

	<p><b>NT-300 Micro Piezo Gyro</b>            Size(mm) : 19.5 x 11.25 x 20            Weight : 6 g (w/case)            Gain : Single Gain            Power DC : 3.6 ~ 6V</p>	<p><b>NEW</b></p> 	<p><b>A200-D Sub Micro Piezo Gyro</b>            Size(mm) : 13.00x11.00x8.00            Weight : 2.70g (w/o case)            Gain : Single Gain            Power DC : 3.6 ~ 6V</p>
	<p><b>NT-310 Micro Piezo Gyro</b>  <b>W/Remote Gain Control</b>            Size(mm) : 19.5 x 11.25 x 20            Weight : 6 g (w/case)            Gain : Single Gain            Power DC : 3.6 ~ 6V</p>		
<p><b>NEW</b></p> 	<p><b>NT-400 Head-lock Piezo Gyro</b>  <b>W/Remote Gain Control</b>            Size(mm) : 33.15x13.50x6.00            Weight : 4.60 g (w/o case)            Gain : Single Gain            Power DC : 3.6 ~ 6V</p>	<p><b>NEW</b></p>	<p><b>A500-G Head-lock Piezo Gyro</b>  <b>W/Remote Gain Control</b>            Size(mm) : 30.20x10x27.50            Weight : 6.80g (w/case)            Gain : Single Gain            Power DC : 3.6 ~ 6V</p>

## SPEED CONTROLLER (Aircraft)

For Li-Po , Li-Ion Battery & Brushed Motor



Ultra-Micro ESC-S5A1

Ultra-Micro ESC-S5A2

Li-Po ESC-10A

Li-Po ESC-20A

### Specification

ITEM / SPEC	ESC-S5A1	ESC-S5A2	Li-Po ESC-10A	Li-Po ESC-20A
Self-current Consumption	2mA	2mA	3mA	3mA
Operating Voltage	2.7 - 4V	7.2 - 12V	7.2 - 12V	7.2 - 12V
Max Drain Current	7A	8A	32A	50A
Continuous Drain Current	5A	5A	15A	20A
BEC OUT (5.0V)	0.5A	7.2V=1A 11.1V=0.8A	7.2V=2A 11.1V=1A	7.2V=2A 11.1V=1A
Resistance (Ω)	0.03	0.02	0.004	0.002
Control	2KHz	2.8KHz	2.5KHz	2.5KHz
Auto Cut Off	2.6V	72%VCC	72%VCC	72%VCC
Size (mm)	12x6x3	18x8x6	34x17x8	34x17x9.5

For Ni-Cd , Ni-MH Battery & Brushed Motor



ESC-10A

ESC-10AC

ESC-15AC

### Specification

ITEM / SPEC	ESC-10A	ESC-10AC	ESC-15AC
Self-current Consumption	3mA	3mA	3mA
Operating Voltage	5 - 12V	5 - 12V	5 - 12V
Max Drain Current	15A	25A	30A
Continuous Drain Current	10A	12A	15A
BEC OUT (5.0V)	1A	1A	1A
Resistance (Ω)	0.008	0.008	0.003
Control	2.8KHz	2.8KHz	2.8KHz
Auto Cut Off	4.0V	4.0V	4.0V
Size (mm)	7x19x5	22x14x9	22x14x9



### ESC-20AH (400 EP Helicopters)

For Li-Po, Li-Ion Battery & Brushed Motor

Self-current Consumption	3mA	BEC OUT(5.0V)	2A
Operating Voltage	7.4 - 11.1V	Resistance(Ω)	0.002
Max Drain Current	45A	Control	2.8KHz
Continuous Drain Current	20A	Size(mm)	34x17x8

## SPEED CONTROLLER (Aircraft)

For Li-Po , Li-Ion Battery & Brushless Motor



Li-Po BLESC-10A



Li-Po BLESC-15A



Li-Po BLESC-15AX



Li-Po BLESC-20AX



Li-Po BLESC-25AX



Li-Po BLESC-30AX

### Specification

ITEM / SPEC	BLESC 10A	BLESC 15A	BLESC 15AX	BLESC 20AX	BLESC 25AX	BLESC 30AX
Self-current Consumption	10mA	10mA	15mA	15mA	15mA	15mA
Operating Voltage	7.2 – 11V	7.2 – 12V	7.2 – 12V	7.2 – 12V	7.2 – 12V	7.2 – 12V
Max Drain Current	14A	20A	30A	40A	80A	100A
Continuous Drain Current	10A	15A	15A	20A	25A	30A
BEC OUT (5.0V)	7.2:2A 11V:1.5A	7.2:2A 11V:1.5A	2A	2A	2A	2A
Resistance (Ω)	0.015	0.015	0.01	0.008	0.005	0.002
Control	MAX 5KHz	MAX 5KHz	MAX 5KHz	MAX 5KHz	MAX 5KHz	MAX 5KHz
Auto Cut Off	72%VCC	72%VCC	72%VCC	72%VCC	72%VCC	72%VCC
Size (mm)	27x14x8	45x22x10	52x22x10	52x22x10	52x22x10	52x22x10



### Li-Po BLESC-20AXH (400 EP Helicopters) For Li-Po, Li-Ion Battery & Brushless Motor

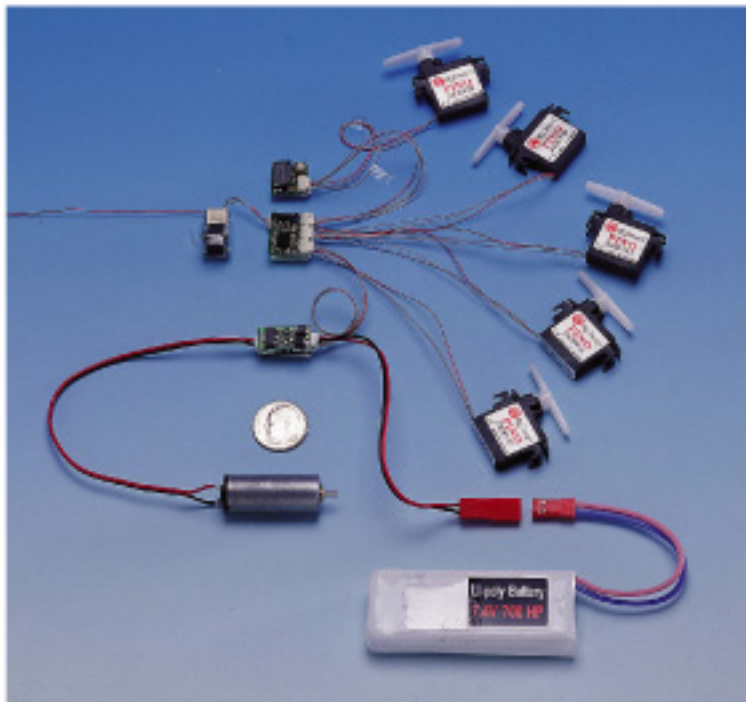
Self-current Consumption	15mA	BEC OUT(5.0V)	2A
Operating Voltage	7.2 – 12V	Resistance(Ω)	0.008
Max Drain Current	40A	Control	5KHz
Continuous Drain Current	20A	Size(mm)	52x22x10

## BRUSHLESS MOTOR



Motor/v	3600/v	Motor Weight	75 g
No Load Current	under 0.8	Motor Diameter	28 mm
Maximum Current	22A	Motor Length	41 mm
Efficiency	15T upper 85%	Motor Shaft Diameter	2.3mm
Voltage Range	under 16/v	Bearings	2
Pinion Gear	10 T		

## "AIRTRIX" AIRBORNE SYSTEM



" AIRTRIX " Airborne System

★1 x 6-CH FM RX (or 4-CH FM RX)

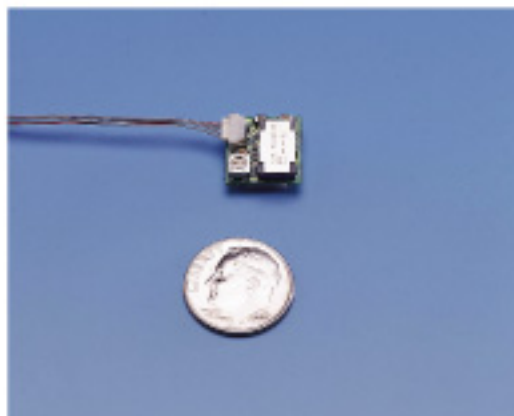
★1 x CPU

★1 x ESC- 5A2 (or ESC- 5A1)

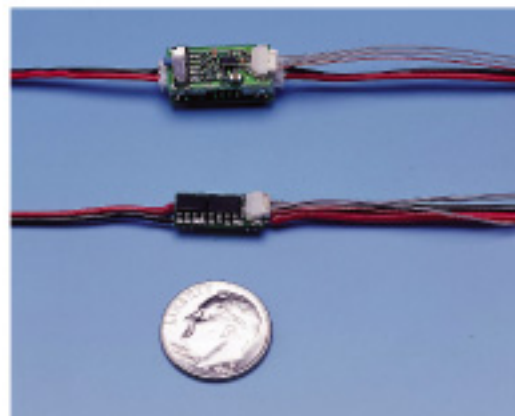
★1 x FM Micro X'tal

4.25g ~ 5.10g

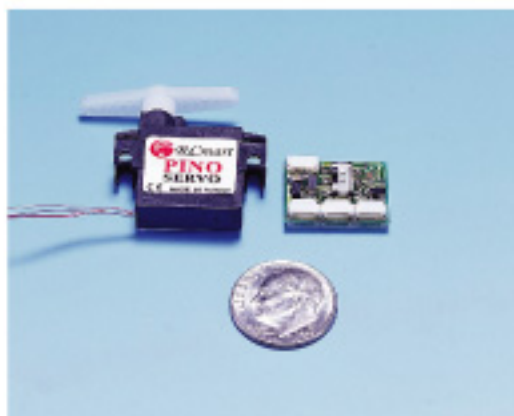
★2 x PINO Servo



"AIRTRIX" A100-F Super Micro Gyro (1.88g)



"AIRTRIX" ESC-5A2  
Li-po (2~3 cells) ESC (5A)



PINO Servo (6.45g) "AIRTRIX" FM 6-CH RX



Micro Airplane



## NUKE AIRBORNE SYSTEM

### 2 x Servo

- Size : 22.25x6.30x10.10mm
- Torque : 300g/cm@3.0v  
400g/cm@4.8v
- Input voltage: 3.0v~5.0v
- Weight : 2.85g
- Speed : 0.20 sec/60°@3.0v  
0.18 sec/60°@4.8v

### 1 x Receiver (FM)

- Size : 28.20x7.90x8.40mm
- Channel : 4CH
- Input voltage : 3.5v~7.0v
- Connector : JST
- Weight : 3.05g
- Range : 100(Min)
- Crystal : Micro(UM1)

### 1 x Speed Controller S5A1

- Size: 12.50x6.50x3.60mm
- Continuous Current : 5A
- Input voltage : 2.7v~4.0v
- Weight : 1.90g
- Max Surge Current : 7A
- Auto cutoff : 2.6v

or

### 1 x Speed Controller S5A2

- Size : 18.75x8.00x6.25mm
- Continuous Current : 5A
- Input voltage : 7.2v ~ 12v
- Weight : 2.78g
- Max Surge Current : 8A
- Auto Cutoff : 72% of the fully charged Li-po, Li-ion battery



## V1 ELECTRONIC COMPONENTS PACK FOR 400 EP HELICOPTERS

### 4 x MOCO STD Sub-micro Servo

- Torque : 4.8v 1.0kg/cm
- Speed : 4.8v 0.10 sec./60°
- Size : 22x12x20.5
- Weight : 9.85g

### 1 x R4-6CH Micro Receiver

- FM Single conversion (35MHz, 40MHz, 72MHz)
- Range: 500m
- Power: 3.5-7.0v
- Size: 32.35x15.65x9.20mm
- Weight: 7.30g

### 1 x NT-300 Micro Piezo Gyro

- Gain: Single Gain Control
- Power: 3.6-6.0v
- Size : 19.50x11.15x20.00mm
- Weight: 6g (w/CASE)

### 1 x Electronic Speed Controller

- Operating Voltage : 7.4-11.1v
- Max Drain Current : 45A
- Continuous Drain Current : 20A
- BEC Out (5.0V) : 2A
- LED turning to Red : 7.9v
- Size : 34.50x17.35x8.00mm
- Weight : 12 g

### 1 x Li-Ion Battery Pack

- Volt : 11.1V
- Capacity : 1600mAh
- Size : 5.20x2.70x3.40cm
- Weight : 120g



## V2 ELECTRONIC COMPONENTS PACK FOR 400 EP HELICOPTERS

### 4 x MOCO BB Sub-micro Servo

- Torque : 4.8v 1.55kg/cm
- Speed : 4.8v 0.15 sec./60°
- Size : 22x12x20.5
- Weight : 9.85g

### 1 x R4-6CH Micro Receiver

- FM Single conversion (35MHz, 40MHz, 72MHz)
- Range: 500m
- Power: 3.5 ~ 7.0v
- Size : 32.35x15.65x9.20mm
- Weight : 7.30g

### 1 x NT-310 Micro Piezo Gyro

- Gain : Single Gain W/Remote Control
- Power: 3.6 ~ 6.0v
- Size : 19.50x11.15x20.00mm
- Weight : 6g (w/CASE)

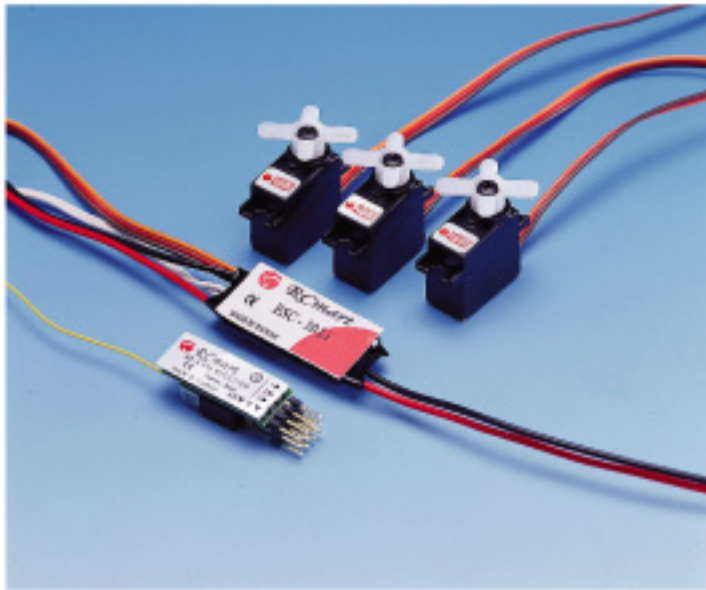
### 1 x Electronic Speed Controller for Brushless Motor

- Operating Voltage : 7.2 ~ 12 v
- Max Drain Current : 40A
- Continuous Drain Current : 20A
- BEC Out (5.0V) : 2A
- Size : 52x22x10mm
- Weight : 27.50 g

### 1 x Li-Ion Battery Pack

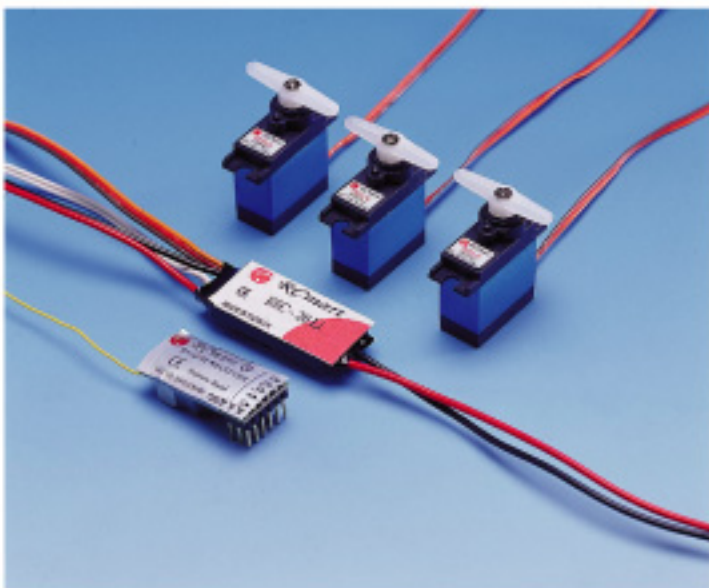
- Volt : 11.1V
- Capacity : 1700~2500mAh
- Size : 9x3.5x2cm ( 2000mAh )
- Weight : 132g (2000mAh)

## AIRBORNE PACKS



### "MOCO" AIRBORNE PACK

- 3 x MOCO Sub-micro Servo
  - 1 x FM 4-CH RX (R2-4CH)
  - 1 x Li-Po ESC-10A
- (For Li-po, Li-ion Battery & Brushed Motor)

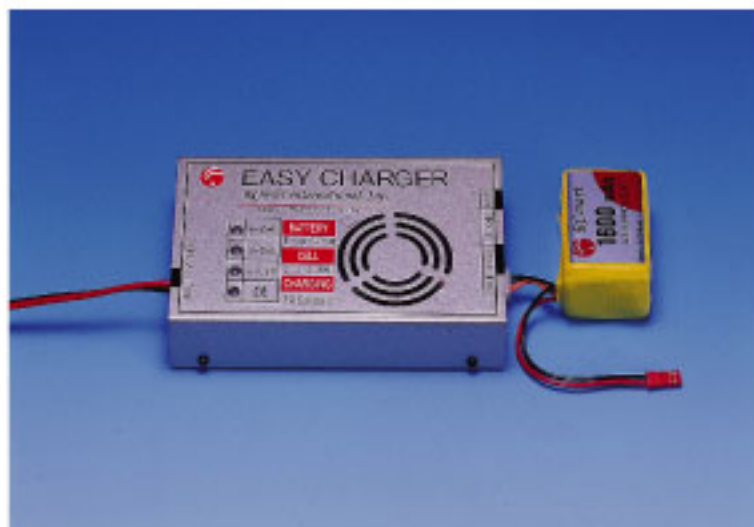


### "ZETA" AIRBORNE PACK

- 3 x ZETA Sub-micro Servo
  - 1 x FM 6-CH RX (R4-6CH)
  - 1 x Li-Po ESC-20A
- (For Li-po, Li-ion Battery & Brushed Motor)



## LI-PO & LI-ION QUICK CHARGER • LI-POLY BATTERY PACK



Battery pack : 2-cell, 3-cell, or 4-cell  
 Charging current : 1A constant  
 Charging battery capacity : 700 mAH ~ 3000 mAH

**EASY CHARGER** { Size : 129 mm x 85 mm x 30 mm  
 Weight : 290g  
 Battery : Li-po and Li-ion only



### Li-Poly 10C Discharge Battery Pack

Capacity (mAh)	Voltage (V)	No. of Cells	Series Parallel
450	7.4	2	2 S1P
450	11.1	3	3 S1P
630	7.4	2	2 S1P
630	11.1	3	3 S1P
1000	7.4	2	2 S1P
1000	11.1	3	3 S1P
1300	7.4	2	2 S1P
1300	11.1	3	3 S1P
1800	7.4	2	2 S1P
1800	11.1	3	3 S1P
2000	7.4	2	2 S1P
2000	11.1	3	3 S1P
2200	7.4	2	2 S1P
2200	11.1	3	3 S1P

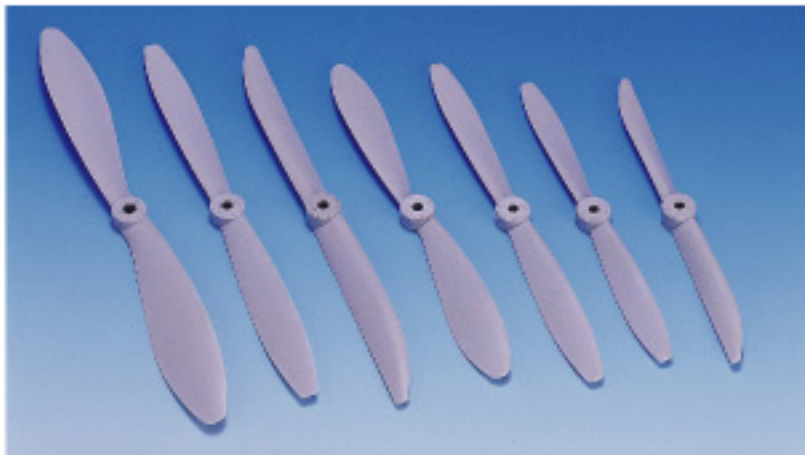
- The flight battery can explode. DO NOT overcharge the flight battery. DO NOT charge the flight battery if it's hot and NEVER charge the flight battery while unattended. We suggest charging the flight battery outdoors and checking the temperature of the flight battery every five minutes to ensure that it does not overcharge and/or overheat.
- In case excessive heat during the charging process, disconnect the flight battery from the charger immediately and place the flight battery in a fireproof container or in a fireproof area.
- Use the charging plug only. DO NOT use the power supply plug for charging/discharging.
- DO NOT over discharge the flight battery. If any power drop is noticed, check the condition of the flight battery.
- DO NOT solder directly to the flight battery. If you change the plug, be careful not to get flight battery hot.

No.4, Alley 2, Lane 143, Shin Tai Wu Rd., Sec.1, Shijr City, Taipei Hsien 22175, Taiwan, R.O.C.

E-mail : rc.mart@msa.hinet.net    Http://www.rcmart.com.tw

TEL : + 886-2-2642-5776    FAX : + 886-2-2642-5786



**PROPELLERS • GEAR-DOWN UNITS • DUCTED-FAN UNITS**
**PROPELLERS**


ITEM	ITEM	ITEM
NP-7074	SP-8060	DP-7040
NP-8060	SP-9070	DP-8050
NP-9070	SP-1080	DP-9050

**GEAR-DOWN UNITS**


**HPS-120A POWER SYSTEM**  
 Specification Ratio  
 HPS-120A-1250 4.17 : 1

**DUCTED-FAN UNITS**


Model	Rated voltage	No-load		Stall			Dimensions		Weight	
		Current (mA)	Speed (rpm)	Torque g-cm	oz	Current (A)	Shaft (mm/in)	Appearance (mm/in)	g	oz
HP-120C	DC 7.2V	240	30000	170	6	6.8	Ø 1.5x4.6 (0.06x0.18)	Ø 12.0x30 (0.47x1.8)	13	0.46

**High Power Ducted Fan**

**DF-55**

Specifications  
 Duct outer/inner Diameter : 58.4 \ 56 mm  
 Rotor : 7 blades Thrust : 330g@32000 rpm  
 Motor : 300 or similar motors


**DF-70**

Specifications  
 Duct outer/inner Diameter : 72 \ 69 mm  
 Rotor : 8 blades Thrust : 655g@31000 rpm  
 Motor : 400 (480) or similar motors


**DF-90**

Specifications  
 Duct outer/inner Diameter : 93.4 \ 90 mm  
 Rotor : 8 blades Thrust : 1360g@24000rpm  
 Motor : 500 or similar motors

Optional Parts / Model	DF-55	DF-70	DF-90
Adapter (Shaft Diameter)	2.0mmØ 2.3mmØ	2.30mmØ 3.17mmØ	5.0mmØ
Motor	3700 KV	3000 KV	1500-2000 KV
Battery	11.1V (3-Cell Li-Po Battery) 1600-1800mAH	11.1V - 14.8V (3-4 Cell Li-Po Battery) 2000-2500mAH	18.5V-22.2V (5-6 Cell Li-Po Battery) 3000-4000mAH
ESC	30Amp and up	30Amp and up	40Amp and up

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TEL : + 886-2-2642-5776 FAX : + 886-2-2642-5786

## ZAP 400 Electric Powered Micro Helicopter



### Specification (V2)

- Fuselage Overall Length : 630mm
- Main Rotor Diameter : 635mm
- Tail Rotor Diameter : 130mm
- Motor : 400 size
- Rotor Head Ass'y : Collective Pitch Control (Bell-Hiller System)
- Flying Weight : About 530g (It varies according to size and weight of battery pack and RC gadgets)
- Flying Time : 10-13min. with 11.1V/2000mAh Li-Po Battery Pack

### Features (V2)

- Main Frame : Nylon with 30% Fiber Glass (Black)
- Tail Boom : Aluminum Pipe
- Landing Gear : Nylon with 30% Fiber Glass (White) with Aluminum Pipe
- Drive Gear with Autorotation (POMP)
- Belt Tail Drive
- Stabilizer : White
- Tail Rotor Blade : White (55 x 20 mm)
- Ball Bearing : 17 pieces
- Main Rotor Blade : Plastic (290 x 32 mm)
- Canopy : ABS (White)
- Optional parts for CCPM type are available.



**Airwolf (Bell 222) (SCALE BODY)**



**MD500E (SCALE BODY)**



**MD500R (SCALE BODY)**

No.4, Alley 2, Lane 143, Shin Tai Wu Rd., Sec.1, Shijr City, Taipei Hsien 22175, Taiwan, R.O.C.

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