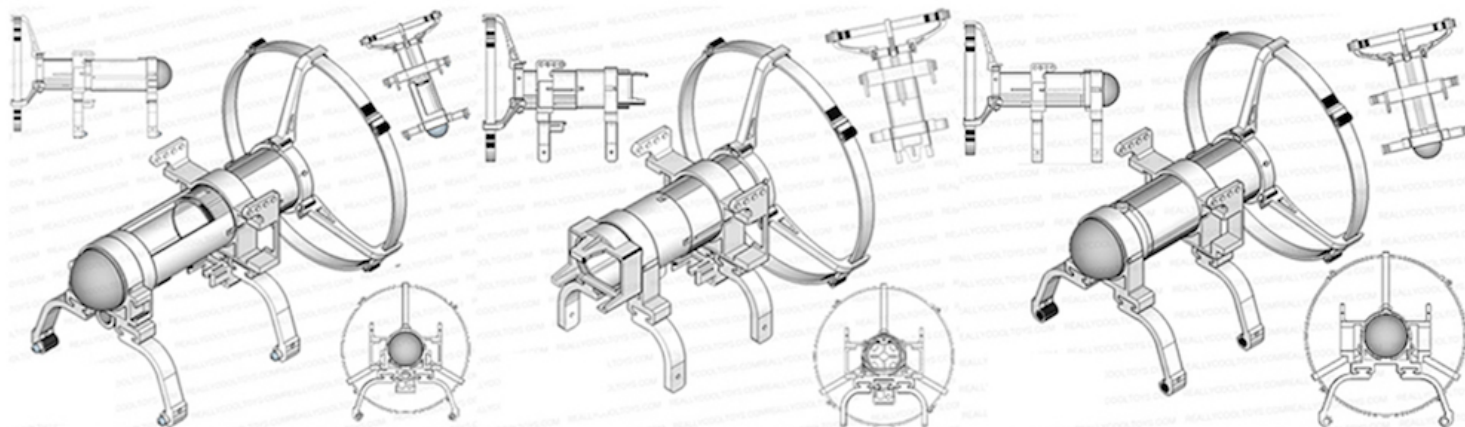


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BMP SCOUT/MINI/MICRO RC PARAMOTOR USER GUIDE

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IMPORTANT NOTE: The pilot in command (PIC) is fully responsible for assuring safe assembly, installation, setup, completion, and operation of his/her aircraft at all times. Combo kits arrive partially assembled unless Assembly service (sold separately) is included in purchase. User must apply adhesive (not included) to complete permanent assembly or use socket head cap screws if future disassembly is required.

BMP SCOUT USER GUIDE

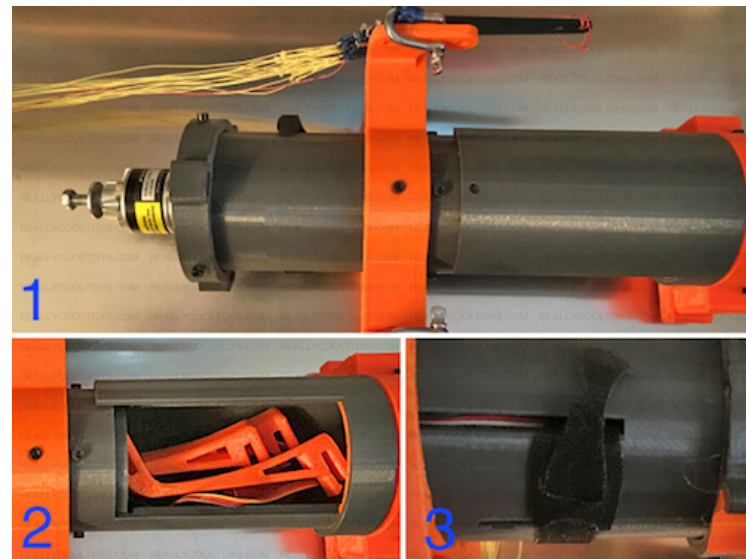
BMP Scout RC Paramotor is generally offered in two varieties, BMP-SCOUT DIY Kit or BMP-SCOUT Combo Kit. DIY Kits arrive unassembled. Combo Kits arrive partially assembled. Fully assembled BMP Paramotor and Wing Combo Kits are delivered assembled (assembly service sold separately) with remaining steps to be completed:

- Radio and battery installation and integration
- Wing attachment, risers/break line setup. If already set, mark reference points.
- Radio and Fail Safe set up (more on this below)
- Bench and range test of all radio and parameter functions.
- Propeller installation, first flight, making adjustment as needed.



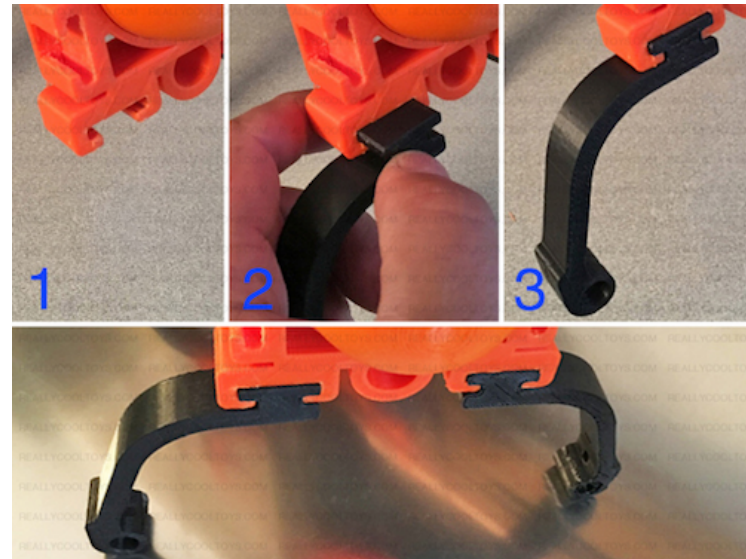
UNPACKING AND GETTING STARTED

Remove all shipping and protective material examine all components, apply Lock Tight adhesive (for metal to metal) and CA glue (for metal to plastic) parts as needed. Place Paramotor on flat surface (1) keep control lines straight and untangled. Slide open the top access cover, you will find three guard arms (2). Remove guard arms. Radio receiver (RX), battery, and other optional internal payload installs here. Use adhesive-backed velcro strip (optional) to attach components to body internally. Use the pre-installed velcro strap to secure battery in place (3). Battery, RX, and all internal components must be secured in place to avoid movement affecting Center of Gravity (CG) during flight.



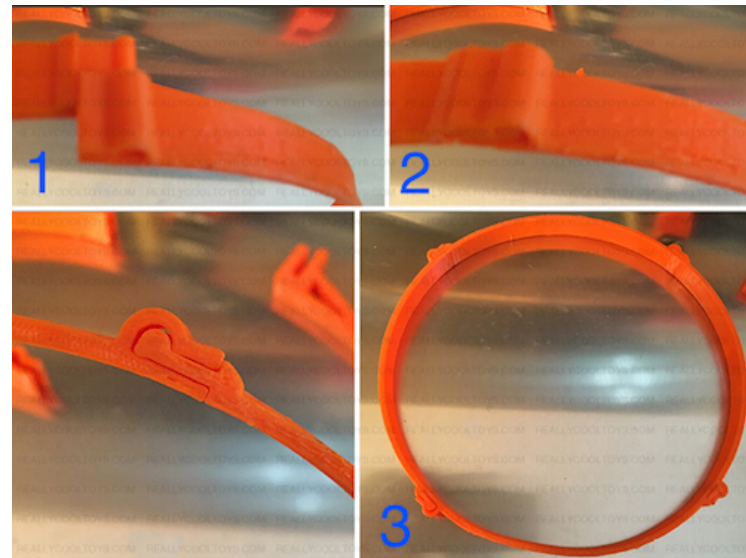
SKID SET INSTALLATION

BMP RC Paramotor Skid sets are intended for hand-landing and landing. In the event of landing on surface they will protect the body from direct strike. Skids are available in two varieties, hard (rigid) and soft (flexible). Install skids one at a time as shown (1-2-3). Hold aircraft firmly, insert skid into skid mount (1) one skid at a time. Insert skid (2) until flush with skid mount (3).



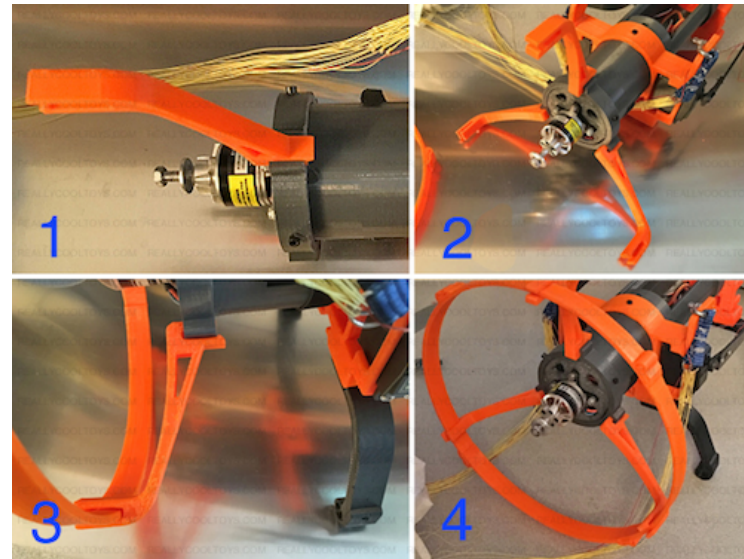
PROPELLER GUARD RING ASSEMBLY

Propeller guard consists of four interconnecting quarter circles forming one full guard/ring as shown (3). Connect each segment as shown (1) make sure each piece is inserted fully flush with the corresponding piece (2). Apply small amount of adhesive to permanently secure all pieces together. Use removable adhesive if disassembly for transportation is required.



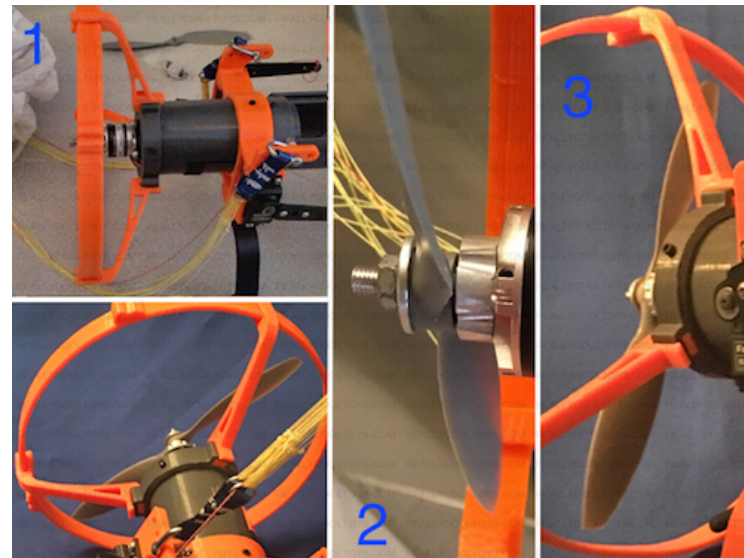
PROPELLER GUARD ARMS AND RING INSTALLATION

Install each arm until fully inserted into arm mount as shown (1). Install all three arms as shown (2) use small amount of Goop for permanent installation. To keep the body elevated for ease of installation, install all skids into place before installing arms. Install propeller guard ring onto guard arm by gently pressing ring into each arm mount fully (3) repeat until completed (4) - use small amount of Goop to permanently secure in place. Use removable adhesive if disassembly for transportation is required.



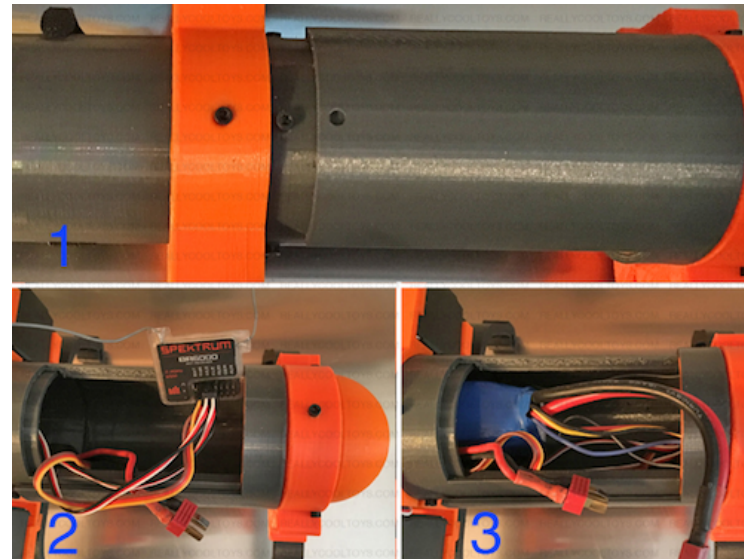
PROPELLER RING AND PROPELLER CLEARANCE

Once assembled and mounted onto arms properly, the propeller guard installation is completed as shown (1). With stock propeller installed onto stock motor shaft (2) assure that clearance gap between the propeller tips and the ring are about 1/8" and equal all around (2-3). Optional folding propeller may be used for special applications where prop arm and ring are committed. Special care is required to make sure flight lines are not subject to propeller strike.



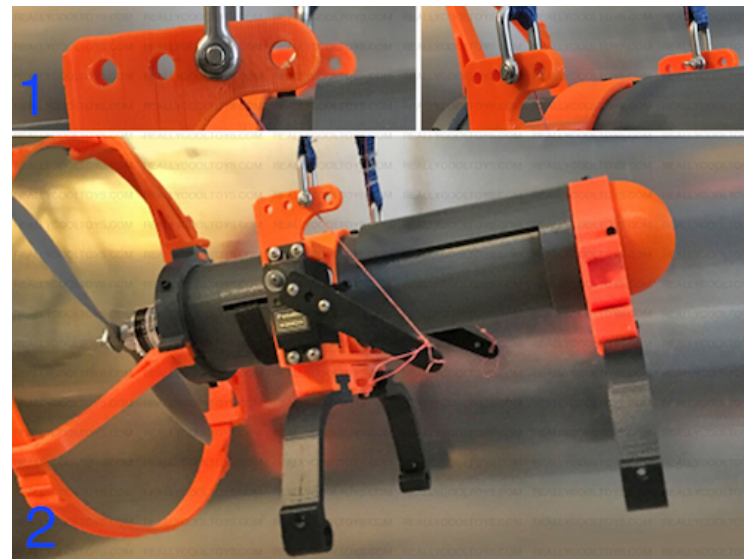
INTERNAL COMPONENTS AND PAYLOAD

Precise placement of internal components is crucial for maintaining proper CG. Battery and internal components need be secured in place, maintaining pre-payload CG. Battery may be secured in place using the pre-installed velcro strap. RX may be installed internally to increase range a 3mm hole may be drilled into the body to extend RX antenna. The access door rotates to open. A small socket head cap screw is provided to lock rotating door position if needed. To do so drill a 4mm hole aligned with the centered pre-tapped access cover hole (1), screw in cap screw to lock position.



FLIGHT ATTITUDE AND NATURAL CG PLACEMENT

For general hand launch, flight, and landing, attach wing to the third mounting hole/ point as shown (1). Attached break lines to servo after radio set up is completed. BMP Scout assembled with motor and ESC as shown maintains a +5° natural nose-up angle when suspended (2). This angle/attitude needs be maintained as payload is added/removed. To extend flight time or reduce speed, mounting point and payload position may be altered. Doing so will affect CG resulting in small to significant change affecting all stages of flight. With proper CG and break lines trimmed at radio, the scout will need only a slight increase in throttle to climb.



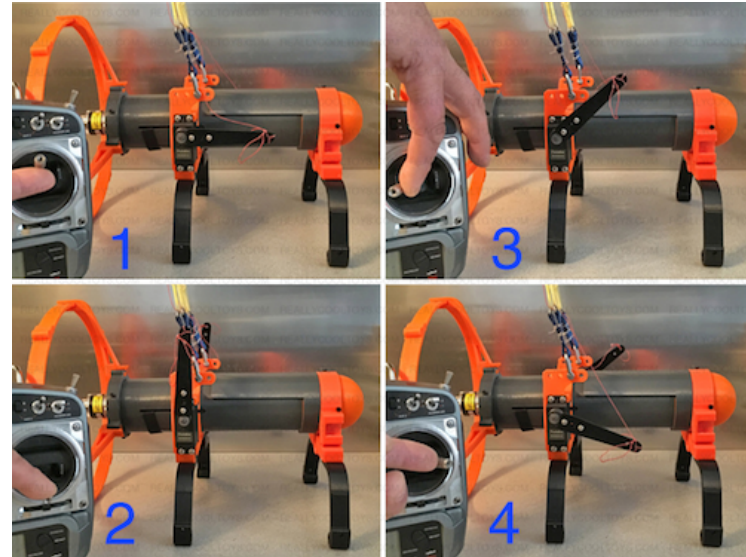
GENERAL RADIO AND FAIL SAFE SET UP

Remove propeller for safety during this step. Assume that Fail Safe (FS) is set to prevent motor engagement during radio set up. Refer to your radio transmitter's (TX) user manual for help on setting and testing Fail Safe operation. Fail Safe must be set to activate by radio lever or any time TX/RX signal is lost. With FS activated, program and test radio. Suggested radio set up:

- (1) Stick Up = Servo arm moves down = parameter descends
- (2) Stick Down = Servo arm moves up = parameter climbs
- (3) Stick Left = Servo arm moves down = parameter turns (rolls) left
- (4) Stick Right = Servo arm moves down = parameter turns (rolls) right

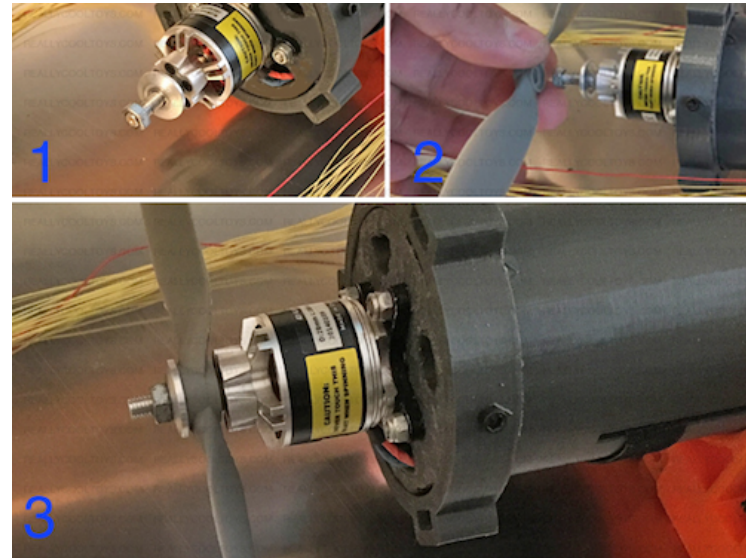
Corresponding behavior:

- (1) Break line pulled = reduced lift = wing will not inflate or launch in this position.
- (2) Break line released = increased lift = launch with throttle power at 1/4-1/2 stick
- (3) Left break line pulled: Turn/roll to left
- (4) Right break line pulled: Turn/roll to right



PROPELLER INSTALLATION

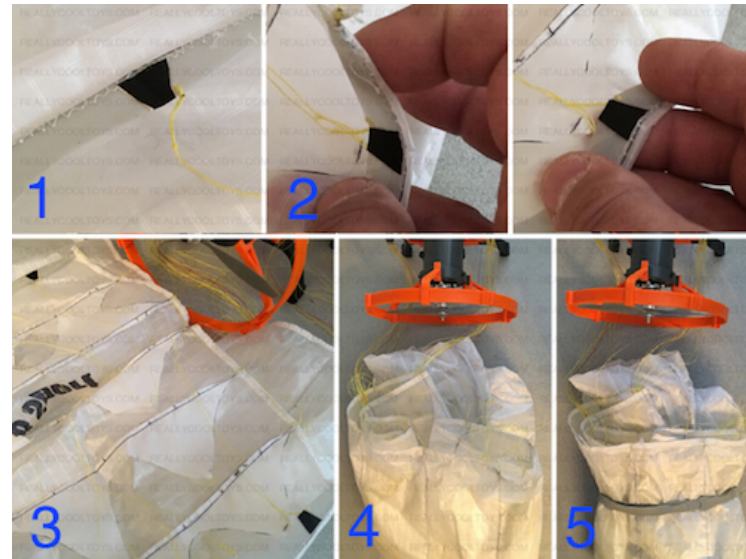
All BMP Paramotors are delivered with propeller removed (1). Assembly, installation, radio programming and set up, including Fail Safe lever assignment/testing, and mechanical adjustments should be completed before propeller is installed. To install propeller remove nut and metal washer (1-2) mount propeller and tightly secure in place with the included aluminum washer and nut as shown (3).



WING PACKING AND END PANEL/RIB TABS

Fold Wing (lengthwise) by bringing both end panels inwards to the center of the wing. Fold to the center again, and once more resulting in near a 3 cells wide fold. Fold (widthwise) in half (4). Secure in position using included velcro strap (do not over tighten) for transportation (5). BMP Wings are offered in a variety of sizes and 29, 23, or 15 cell design varieties. End panels of each BMP Wing (3) are bent/segmented and marked with black tabs (1-2) at precise points after flight test. No further tuning or marking is required. End panels/ribs need to remain naturally unobstructed and playable (2) for optimum handling.

Please contact us at support@reallycooltoys.com if you need help or have any questions.



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