



# MICRO VINTAGE STICK

## INSTRUCTION MANUAL



Versatile and Nostalgic Flying Fun

### SPECIFICATIONS

<b>Wingspan:</b>	16-5/8" (422.3mm)
<b>Length:</b>	14-3/4" (374.7mm)
<b>Flying Weight:</b>	1 oz. (28g)
<b>Battery:</b>	3.7V 1S 150mAh LiPo
<b>Motor:</b>	Brushed w/Gearbox
<b>On-Board Electronics:</b>	4-in-1 Receiver (2 Servos/ESC)
<b>Wing Area:</b>	75 sq.in. (4.84 dm/sq)
<b>Transmitter:</b>	4-Channel 2.4GHz w/Integrated LiPo Charger

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## MICRO VINTAGE STICK STORY

The Rage R/C™ Micro Vintage Stick takes a step backwards in time to a nostalgic look that evokes memories of yesteryear, but with modern carbon fiber materials and updated radio technologies like 2.4GHz. This classic-appearing aircraft is not only a great way to build R/C piloting skills, but also an enjoyable model for experienced R/C enthusiasts to fly in compact areas. The Micro Vintage Stick is produced with simple and durable construction techniques – such as the carbon fiber “stick” airframe and foam flying surfaces. The featherweight (24g without battery) construction and high-capacity flight battery combine to deliver adequate power for aerobatics like loops, spins, and barrel rolls or extended flight times when enjoying more relaxed flight maneuvers.

The Micro Vintage Stick features a factory-applied vintage WWI-style trim scheme with everything required to fly in the box; including a 2.4GHz 4-channel capable transmitter that also doubles as a charger for the 3.7V 150mAh LiPo flight battery and integral control board with ESC and servos. The only additional items required are four AA batteries for the transmitter and you can enjoy flying a classic aircraft from a bygone era at your local park or gymnasium within minutes of opening the box!

## GENERAL PRECAUTIONS

- Never operate your model if the transmitter battery voltage is too low.
- Always operate your model in an open area away from obstacles, people, vehicles, buildings, etc.
- Carefully follow the directions and warnings for this and any optional support equipment. (chargers, rechargeable batteries, etc.).
- Keep all chemicals, small parts and all electronic components out of the reach of children.
- Moisture causes damage to electronic components. Avoid water exposure to all electronic components, parts, etc. not specifically designed and protected for use in water.

## SAFETY PRECAUTIONS

Failure to use this product in the intended manner as described in the following instruction can result in damage and/or personal injury. A Radio Controlled (RC) airplane/helicopter/quadcopter is not a toy! If misused, it can cause serious bodily harm and damage to property.

Keep items that could become entangled away from the propeller, including loose clothing, tools, etc. Be especially sure to keep your hands, face and other parts of your body away from the propeller.

As the user of this product, you are solely and wholly responsible for operating it in a manner that does not endanger yourself and others or result in damage to the product or the property of others.

This model is controlled by a radio signal that is subject to possible interference from a variety of sources outside your control. This interference can cause momentary loss of control so it is advisable to always keep a safe distance from objects and people in all directions around your model as this will help to avoid collisions and/or injury.

## LIPO BATTERY WARNING

***IMPORTANT NOTE: Lithium Polymer batteries are significantly more volatile than the alkaline, NiCd or NiMH batteries also used in RC applications. All instructions and warnings must be followed exactly to prevent property damage and/or personal injury as mishandling of LiPo batteries can result in fire. By handling, charging or using the included LiPo battery you assume all risks associated with LiPo batteries. If you do not agree with these conditions please return the complete product in new, unused condition to the place of purchase immediately.***

## FCC INFORMATION

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**Caution:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

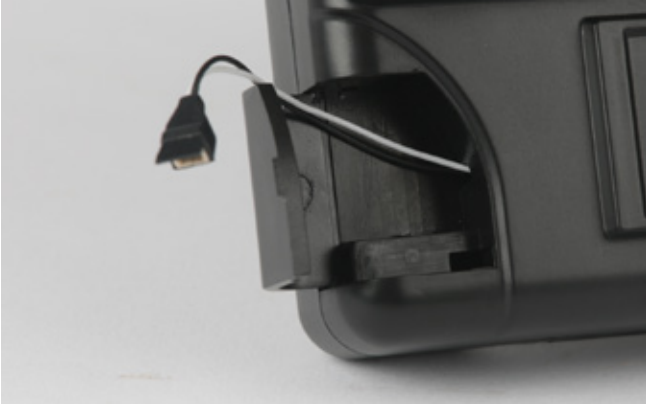
This product contains a radio transmitter with wireless technology which has been tested and found to be compliant with the applicable regulations governing a radio transmitter in the 2.400GHz to 2.4835GHz frequency range.

The associated regulatory agencies of the following countries recognize the noted certifications for this product as authorized for sale and use: USA, UK, AU

## MICRO VINTAGE STICK RTF CONTENTS



## CHARGING LIPO BATTERY



Open door on lower left of transmitter



Move charge plug out and close door

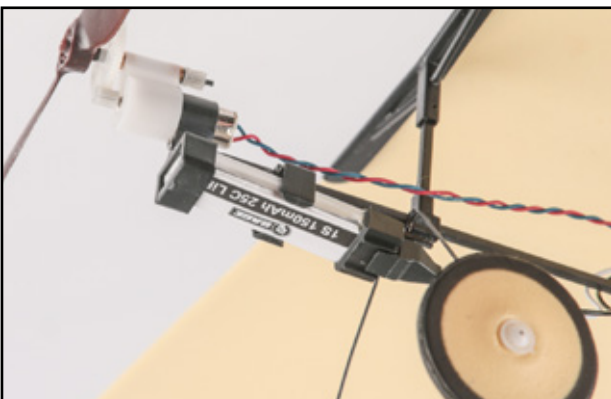


Plug flight battery into charge plug. Make sure to maintain correct polarity by aligning the red dots when plugging in the battery.



The yellow charge light on the transmitter lights during charging. When the light goes out, charging is complete.

## BATTERY INSTALL

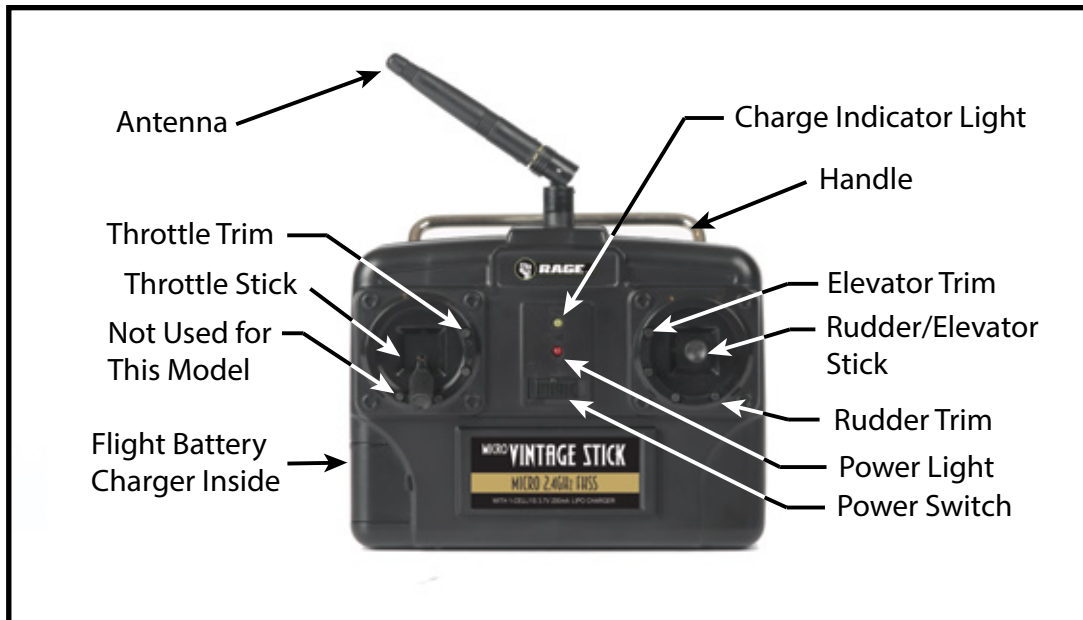


Insert the battery into the battery holder with the plug end facing the rear of the aircraft. Plug the control board connection into the battery. Be careful to maintain the correct polarity. The red dot on the battery should be on the same side as the red dot on the plug.

## CENTER OF GRAVITY

With the supplied battery installed in the battery holder, the CG of the Vintage Stick will automatically be in the correct location. If a different battery is used or repairs have been made to the airframe, the CG should be rechecked and weight adjusted to achieve the proper CG. The Vintage Stick is very tolerant to changes in the CG location.

## TRANSMITTER DETAILS



***PLEASE NOTE: Install 4 AA batteries ( not supplied ) into the battery compartment located on the back of the transmitter, under the battery hatch cover. Make sure that the batteries are installed with correct polarity per the diagram inside the battery compartment.***

## SERVO REVERSING

The Micro Vintage Stick transmitter features servo reversing on the rudder and elevator channels. The servo direction was set correctly at the factory for the model. However, in case any of the controls are operating in the wrong direction or you use the electronics in other models later on, please follow these steps to change the servo directions as needed. Complete all steps with the transmitter and aircraft powered on.

### Rudder Channel Servo Reversing

Press and hold the right trim button under the left stick, then press the right trim button under the right stick. Release both buttons and the servo direction will be reversed. Repeat to change back.

### Elevator Channel Servo Reversing

Press and hold the right trim button under the left stick, then press the down elevator (top) trim button. Release both buttons and the servo direction will be reversed. Repeat to change back.



***Please Note: This is a step that should not be required. It is included in the event that a servo has become reversed and needs to be changed. Always check the direction of travel of the control surfaces as part of your preflight safety check before every flight.***

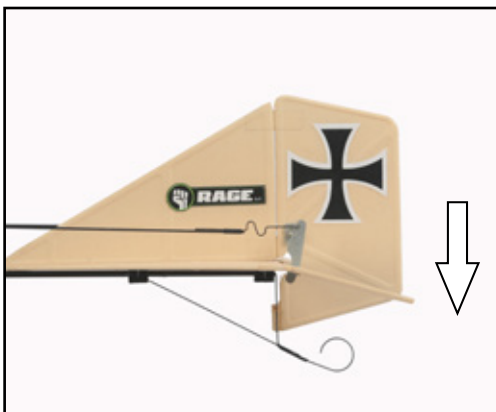


# CONTROL MOVEMENT

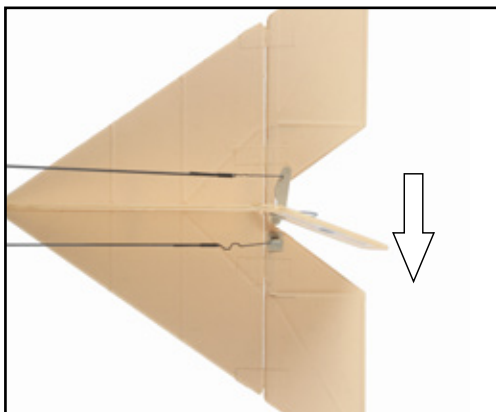
With both the transmitter and the aircraft powered on, check the movement of the control surfaces.



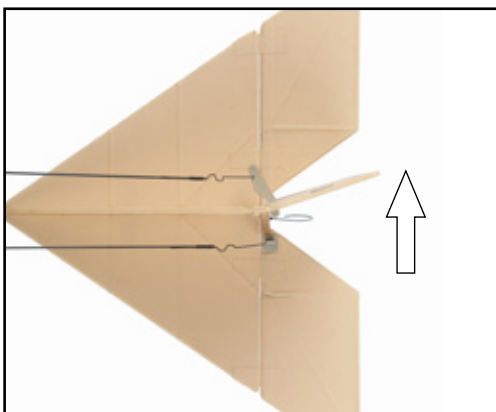
When the right stick is moved toward the bottom of the transmitter the elevator should move up. When in flight this will raise the nose.



When the right stick is moved toward the top of the transmitter the elevator should move down. When in flight this will lower the nose.



When the right stick is moved to the left of the transmitter the rudder should move left. When in flight this will yaw the tail to the right (the nose of the aircraft will move to the left).



When the right stick is moved to the right of the transmitter the rudder should move right. When in flight this will yaw the tail to the left (the nose of the aircraft will move to the right).

## FIRST FLIGHT

The Micro Vintage Stick can be flown indoors in a gymnasium or basketball court. Its light weight and generous wing area allow the aircraft to fly very slowly at reduced throttle settings. Place the airplane on the floor and slowly advance the throttle, the model will take off within several feet. Full throttle is not required or desired for most indoor flying. The airplane is very nimble, best results are achieved with small and smooth stick movement.

The Micro Vintage Stick is also fully capable of outdoor flight in light wind conditions. These usually are present early in the day or near sunset. The model has enough power for spirited flying and loops and rudder rolls are easily achieved. If there isn't a suitable place for ROG (Rise off Ground) take off, hand launching is very easy to do. Landing is as easy as reducing the throttle and letting the model descend to land. A little added throttle just before touch down will aid in making the landing smooth.

## BINDING/ARMING



### Binding

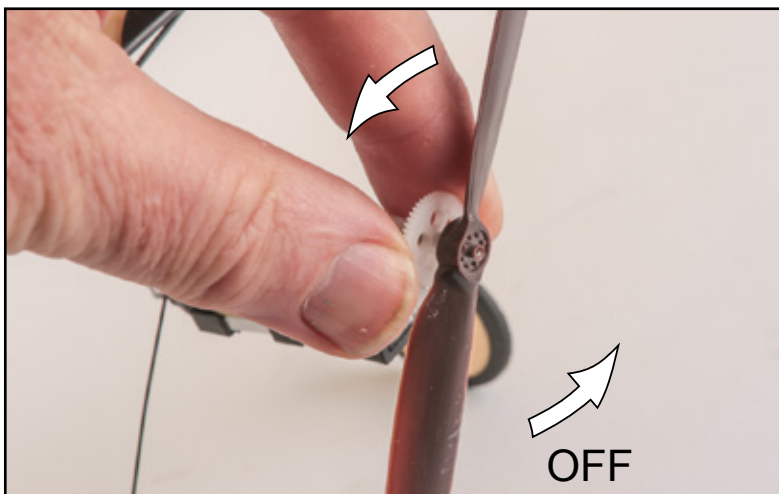
The Vintage Stick comes bound to the transmitter. Should you need to re-bind, follow these steps.

- Turn on both transmitter and aircraft
- Press both throttle trim buttons simultaneously
- The transmitter will beep until binding is completed automatically
- Rudder and elevator will move briefly
- Beeping will stop, binding complete

### Arming

When the transmitter and airplane are powered on, the aircraft binds automatically and the tail surfaces move briefly. After that all functions are active including throttle.

## PROP REPLACEMENT



Grasp the large gear just behind the prop. Holding it with your fingers works well for this. Rotate the prop in the direction of normal rotation to remove. Reverse the process to install the new prop.





## LIMITED WARRANTY

Warranty Period: Rage R/C warrants that the Micro Vintage Stick ("Product") will be free from original factory defects in materials and workmanship upon purchase ("Warranty Period").

What is Not Covered - This warranty is not transferable and does not cover (a) cosmetic damage, (b) damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or due to improper use, installation, operation or maintenance, (c) modification to any part of the Product, (d) attempted service by anyone other than a Rage R/C authorized service center, or (e) Product not purchased from an authorized Rage R/C dealer.

OTHER THAN THE EXPRESS WARRANTY ABOVE, RAGE R/C MAKES NO OTHER WARRANTY OR REPRESENTATION, AND THEREFORE DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND SUITABILITY FOR A PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL MEET THE REQUIREMENTS OF THEIR INTENDED USE.

Purchaser's Remedy - Rage R/C's sole obligation and purchaser's sole and exclusive remedy shall be that Rage R/C will, at its option, either (a) service, or (b) replace, any Product determined by Rage R/C to be defective. Rage R/C reserves the right to inspect any and all Product(s) involved in a warranty claim. Service or replacement decisions are at the sole discretion of Rage R/C. Proof of purchase is required for all warranty claims.

SERVICE OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY.

Limitation of Liability - RAGE R/C SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY, REGARDLESS OF WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY, EVEN IF RAGE R/C HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Further, in no event shall the liability of Rage R/C exceed the individual price of the Product on which liability is asserted. As Rage R/C has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability. If you as the purchaser or user are not prepared to accept the liability associated with the use of the Product, purchaser is advised to return the Product immediately in new and unused condition to the place of purchase.

Law - These terms are governed by Utah law (without regard to conflict of law principals). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Rage R/C reserves the right to change or modify this warranty at any time without notice.

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Salt Lake City, Utah 84104

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**RGRA1105 Super Cub 750 RTF Airplane**  
 Equipped with the PASS (Pilot Assist Stability Software) system, the Super Cub MX is an ideal airplane for someone who wants to get started in micro RC flight or an enthusiast who's looking for a fun airplane to fly in smaller spaces. The 500mm wingspan also makes it easy to transport to and from favorite flying spaces.



**RGRA1109 Beechcraft Model 17 Staggerwing Micro RTF**  
 This ultra-micro sized scale model of the historic Beechcraft Staggerwing 17 delivers smooth and capable flight performance that sport to experienced pilots will enjoy. It includes amazing scale details not typically seen in micro-sized aircraft, plus added features like functional retracts and flaps.



**RGRB1130 Black Marlin MX RTR Boat**  
 The size and speed of the Black Marlin MX make it ideal for use in small lakes and ponds and the black hull and sleek trim scheme make it an attractive choice and fun to drive, even for beginners. Plus, the self-righting feature quickly and automatically turns the boat right side up if it flips over on the water.



**RGR4300 Triad FPV 3-in-1 Pocket Drone RTF**  
 The Triad FPV Drone is a great product for pilots looking for an indoor racing type drone to test their skills. It comes with a trio of flying options - a 5.8GHz camera system that connects to FPV goggles; a WiFi camera system to use when WiFi is a better option; and basic canopies for flying with less weight and longer flight times.



**RAGE** R/C

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