

super cub



Flyzone[™]
how high will you soar[™]

ASSEMBLE ONLY WITH ADULT SUPERVISION

Please read through this instruction booklet to **THOROUGHLY** familiarize yourself with the assembly and flight characteristics of this airplane prior to assembly. Please inspect all parts carefully before starting assembly! If any parts are missing, broken or defective, or if you have any questions about the assembly or flying of this airplane, please call us at (217) 398-8970 and we'll be glad to help.

This product is suitable only for people of 14 years and older.

WARRANTY

Hobbico® Inc. guarantees this kit to be free from defects in both material and workmanship at the date of purchase. This warranty does not cover any component parts damaged by use or modification. **In no case shall Hobbico's liability exceed the original cost of the purchased kit.** Further, Hobbico, Inc. reserves the right to change or modify this warranty without notice. In that Hobbico, Inc. has no control over the final assembly or material used for final assembly, no liability shall be assumed nor accepted for any damage resulting from the use by the user of the final user-assembled product. By the act of using the user-assembled product, the user accepts all resulting liability. **If the buyer is not prepared to accept the liability associated with the use of this product, the buyer is advised to return this kit immediately in new and unused condition to the place of purchase.** To make a warranty claim send the defective part or item to Hobby Services at the address below:

Hobby Services

3002 N. Apollo Dr. Suite 1
Champaign IL 61822 USA

Include a letter stating your name, return shipping address, as much contact information as possible (daytime telephone number, fax number, e-mail address), a detailed description of the problem and a photocopy of the purchase receipt. Upon receipt of the package, the problem will be evaluated as quickly as possible.

INCLUDED ITEMS



Check the parts against those shown. If any parts are damaged or missing, please call Hobby Services at: (217) 398-8970.

FCC AND ETSI

FCC REQUIREMENT 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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

CE COMPLIANCE INFORMATION FOR THE EUROPEAN UNION

Instructions for Disposal of Waste Equipment by Private Users in the European Union: This symbol on the product or its packaging indicates this product must not be disposed of with other household waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or location where you purchased the product.



Declaration of Conformity:

Product: Tactic TTX402 2.4GHz 4-Channel Tx Rx

Item number: TACJ2402, Equipment class: 1

Tactic TTX402 transmitter and Tactic TR421 receiver: The objects of the declaration described here are in conformity with the requirements of the specifications listed below, following the provisions of the European 2006/95/EC Low Voltage Directive:

EN 60950-1:2006 Safety

The objects of the declaration described here are in conformity with the requirements of the specifications listed below, following the provisions of the European R&TTE directive 1995/5/EC:

ETSI EN 300 328 V1.7.1 Technical requirements for radio equipment

ETSI EN 301 489-1 V1.8.1, 301 489-17 V1.3.2 General EMC

requirements for radio equipment



Tactic™

c/o Hobbico, Inc.

2904 Research Road

Champaign, IL USA 61826

The associated regulatory agencies of the following countries recognize the noted certifications to this product as authorized for sale and use.

UK	DE	DK	BG	SE	FI	FR
EE	LV	LT	PL	CZ	SK	HU
RO	SI	AT	IT	ES	PT	IE
NL	LU	MT	CY	GR		

PRECAUTIONS

Your Micro Super Cub should not be considered a toy, but rather a sophisticated, working model that functions very much like a full-size airplane. Because of its performance capabilities, the Micro Super Cub, if not assembled and operated correctly, could possibly cause injury to yourself or spectators and damage to property.

1. Operate the plane **according to the instructions**. **DO NOT** alter or modify the model. If you make any modifications, you void your warranty.
2. **Test** the operation of the model **before each flight** to ensure that all equipment is operating properly and that the model remains structurally sound.
3. Fly only indoors or outdoors on very calm days (with wind speeds less than 5mph) and in large open areas free of trees, people, buildings, or any other obstacles.
4. Although the Micro Super Cub is designed to be successfully flown by the first time pilot, you may still benefit from the assistance of an experienced pilot for your first flights. If you're not a member of an R/C club, your local hobby shop has information about clubs in your area whose membership includes experienced pilots. You can also contact the National Academy of Aeronautics (AMA) which has over 2,500 chartered clubs across the country. Instructor training programs and insured newcomer training are available through any of these clubs. Contact the AMA at the following address or toll-free phone number:

Academy of Model Aeronautics

5151 East Memorial Drive
Muncie, IN 47302-9252

Ph. (800) 435-9262
Fx. (765) 741-0057

www.modelaircraft.org

The R/C model hobby becomes more and more enjoyable as your experience grows. Your chances for success and graduation to higher levels are very good if you take your time and follow the flying instructions carefully and completely. We hope you enjoy flying your Micro Super Cub.

TRANSMITTER CAUTIONS

- Do not use rechargeable (NiCd) batteries.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (NiCd) batteries.

BATTERY CHARGING PRECAUTIONS

- ☐ 1. Always remove the battery from your Micro Super Cub before charging.
- ☐ 2. Do not leave a charging battery unattended! Unplug the battery if it gets warm, even if the charge LED has not gone out.
- ☐ 3. Use only the charger that comes with your Micro Super Cub!

WARNING: Misuse or malfunction may overheat the battery and charger, resulting in personal injury or damage to surroundings.

LITHIUM POLYMER BATTERY RECYCLING



ATTENTION: The product you have purchased is powered by a rechargeable battery. At the end of the battery's useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste system. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

WARNING: This product contains a chemical known to the State of California to cause cancer.

GLOSSARY

- **Lithium Polymer (LiPo) Battery:** Rechargeable battery which is used to power the airplane. LiPo batteries are lighter and smaller than most other types of rechargeable batteries.
- **Transmitter (Tx):** This is the hand-held unit that sends the signal to the control unit, or receiver (Rx).
- **Rudder:** The control surface on the airplane that turns the plane left and right.
- **Elevator:** The control surface that makes the plane climb and descend.
- **Servo:** The device on the model that moves the control surfaces.
- **Glide Slope:** The proper path for an airplane approaching a landing strip.

PREPARE THE TTX402 TRANSMITTER

For more information on the Tactic Radio System included with the Super Cub visit tacticrc.com

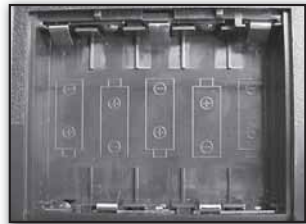


Leave the TTX402
unpowered.



Push in and
slide to remove
the battery door.

Install (5) "AA" batteries.



CHARGE THE 3.7V 130MAH LIPO BATTERY

Do not use the charge feature while flying the Super Cub!



Leave the TTX402 unpowered.



Push in and slide to open the charge port cover.

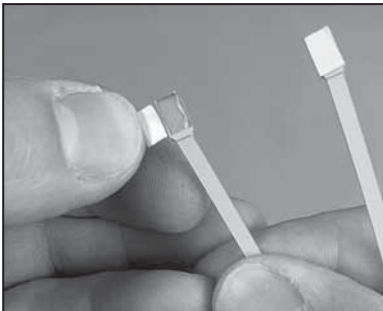


Insert battery to charge. Make sure the battery plug is oriented properly before inserting.

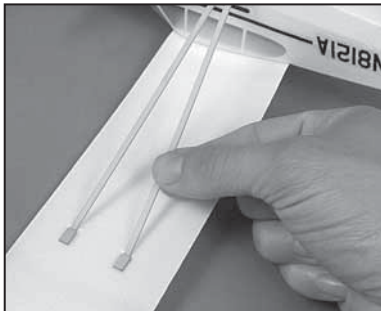
Illuminated green light indicates charging and will go out when charging is complete (approximately 20-30 minutes).



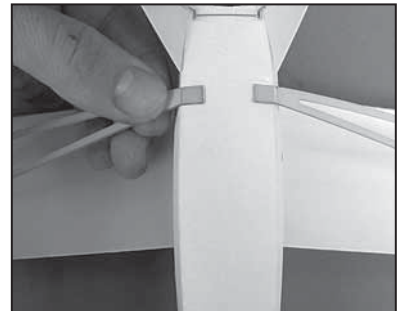
INSTALL THE WING STRUTS



Peel the paper backing from the adhesive tabs at the ends of the wing struts.

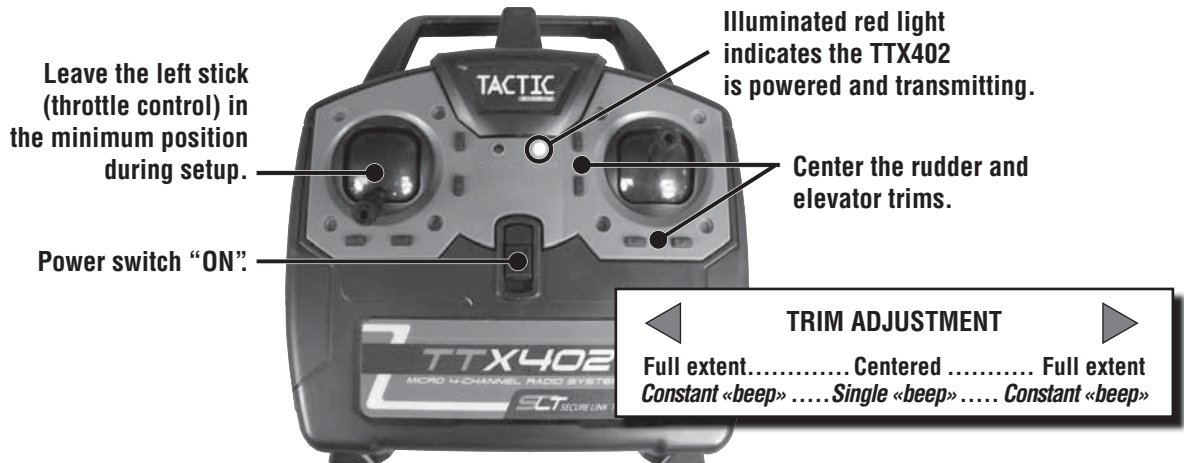


Press the tabs onto the indents on the underside of the wing, making sure that the struts align with the indents on the fuselage.



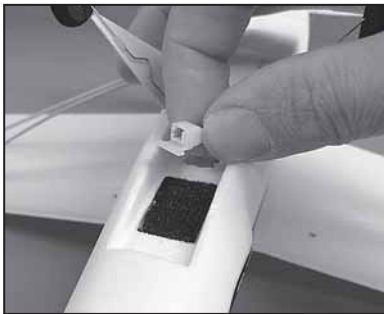
Press the other ends of the struts onto the indents on the fuselage, being careful not to affect the angle of the wing.

POWER THE TTX402 AND CENTER THE TRIMS



INSTALLATION AND REMOVAL OF THE LIPO BATTERY

Keep hands clear of propeller during battery installation and removal.



Use two fingers to secure connector during battery installation and removal.



Connect the LiPo to the battery.



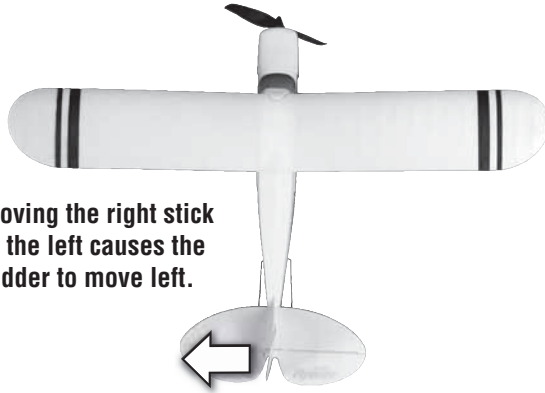
Press battery into place to secure.

Disconnect and remove the battery after use by holding the battery lead with two fingers and removing the battery from the lead with the other hand. **Do not yank or jerk the battery from the aircraft. This could pull the TR421 Rx board loose from the fuselage.**

CHECK THE CONTROL SURFACE DIRECTION



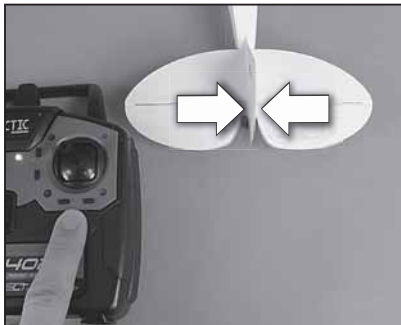
Moving the right stick to the left causes the rudder to move left.



Moving the right stick down causes the elevator to move up.



CENTER THE CONTROL SURFACE DIRECTION

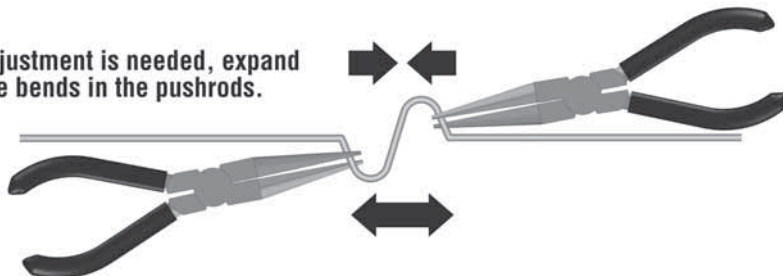


Before flight, center rudder control surface with rudder trim adjustment.



Before flight, center elevator control surface with elevator trim adjustment.

If additional adjustment is needed, expand or compress the bends in the pushrods.



REVERSE THE CONTROL THROWS



Unplug the battery from the plane before reversing the control throws. Only perform this procedure if the control surfaces move in the wrong direction.

Press and hold one of the corresponding control surface trim buttons and cycle the power to reverse any control surface.

ARM THE PROPELLER

Keep hands and onlookers clear of the propeller during arming and operation.



Throttle control stick is in the low or minimum position.



**Raise the throttle control stick to the maximum or high position.
«Beep»**



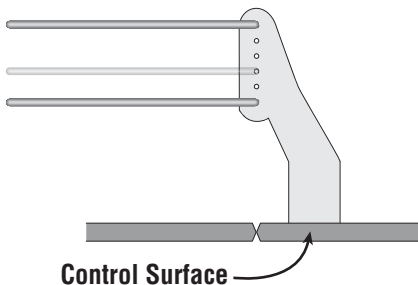
**Return the throttle control stick to the minimum position. «Beep Beep»
The motor is now armed.**

ADJUSTMENT OF LINKAGES: ELEVATOR AND RUDDER

To increase or decrease the control throws, follow these steps. Be sure to unpower the model before attempting to mechanically adjust the linkages.

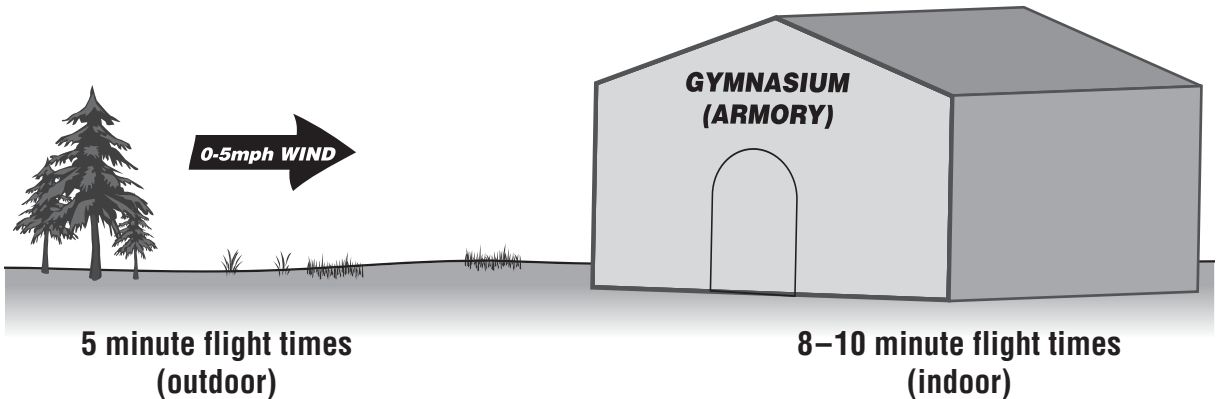
**Moving the pushrod outward
decreases the control throw**

**Moving the pushrod inward
increases the control throw**



Use caution when removing and reinstalling the pushrod in the control horn to avoid accidentally disconnecting the linkage from the Rx board.

CHOOSE A FLYING SITE



RANGE CHECK

With the transmitter turned on and the battery plugged into the Super Cub, walk 50' [15m] from the aircraft and check the control functions for proper operation.



FLYING THE SUPER CUB

With the throttle stick in the full up position, hand launch the Super Cub into the wind (or if inside, launch in a direction that will provide you with the largest available space to make your first turn), at a slight upward angle. The Cub can also take off from the ground if the surface is smooth.

When your airplane is moving away from you, moving the right control stick to the left will make your plane turn to the left. Moving the stick to the right will make the airplane turn to the right. A small amount of up elevator (move the right stick down) will keep the plane level during the turn.

Don't let the airplane get too far away from you. The farther away it is, the harder it is to see what the airplane is doing. When learning to fly, it is best to keep the airplane high enough so that if you make a mistake, you have enough altitude to correct the mistake.



PROPELLER REPLACEMENT

To replace or reinstall the propeller, unpower the model, then hold the motor shaft with needlenose pliers and push the propeller back onto the shaft. Once re-installed, add a drop of CA glue to the propeller to hold it to the shaft.



REPAIRS

Repairs can be made to the Super Cub by using the following items:

- Non-butane lighter fluid “Naphtha” (for parts removal and debonding)
- Thick Foam Safe CA (for parts adhesion), GPMR6072
- Foam safe CA accelerator, GPMR6035
- Two sets of needle nose pliers or hemostats, HCAR0625
- Hobby Knife (#11 blade), RMXR6900
- Clear tape
- Hinge tape, DUBQ0916

REPLACEMENT PARTS

To order replacement parts for the Super Cub, use the order numbers in the list below. Replacement parts are available only as listed. Replacement parts are not available from Product Support, but can be purchased from hobby shops or mail order/Internet order firms. If you need assistance locating a dealer to purchase parts from, contact:

Product Support

Phone: 217-398-0007

Fax: 217-398-7721

E-mail: productsupport@hobbico.com

Stock No.	Description
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HCAA6370	Wing Set
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HCAA6371	Tail Set
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HCAA6372	Fuselage
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HCAA6373	Landing Gear
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HCAA6374	Pushrods
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HCAA6375	Wing Struts
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HCAA6376	Control Horns
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HCAA6377	Spinner Cone
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HCAA6378	Decal Sheet
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HCAA6348	Propeller
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HCAA6350	Gear Box Version 2
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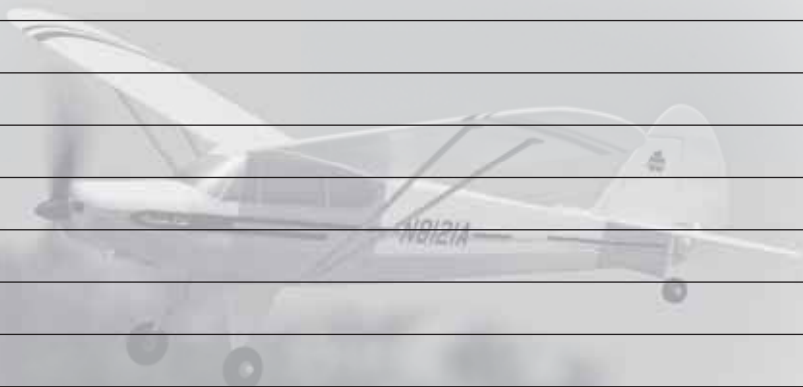
HCAA6307	Motor
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HCAA6309	LiPo Battery
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TACJ2402	TTX402 Micro Tactic 4 channel Tx
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TACL0421	TR421 4ch Rx Control Board with Actuators
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notes



super cub

