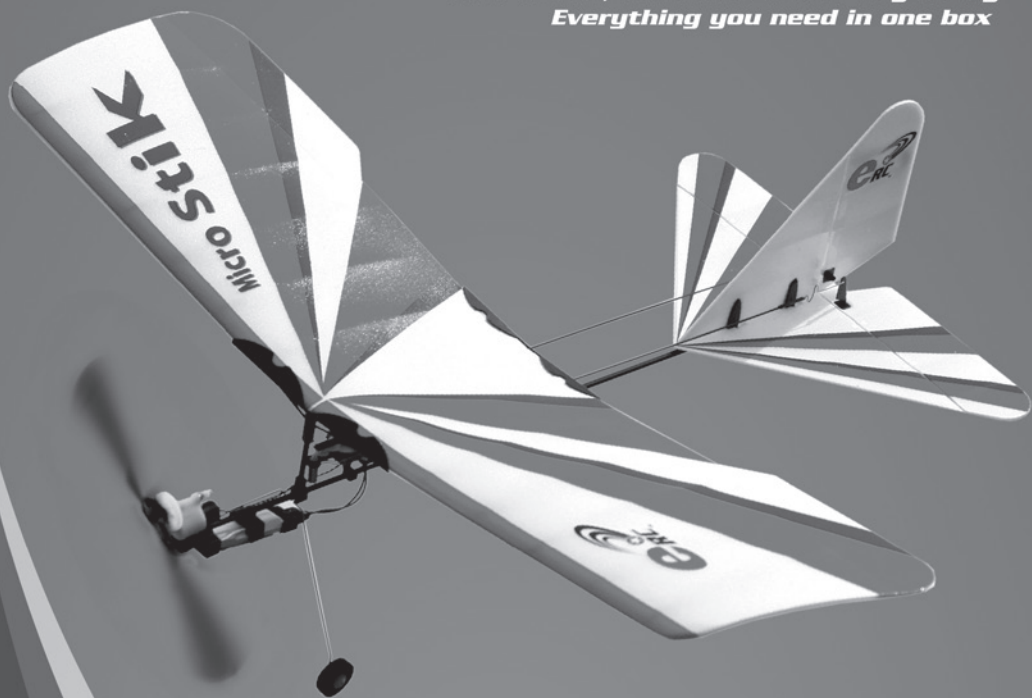




Micro Stik

2.4 GHz Radio Control Airplane
Assembled, Pre-Painted & Ready-To-Fly
Everything you need in one box



16-5/8" wingspan
14-3/4" long
75 sq. in. wing area
28g (1 oz.) flying weight



For sport to intermediate pilots

- Lightweight, durable foam construction
- 3-Channel control: throttle, rudder & elevator
- Proportional servo controls for smooth, responsive flight
- Includes two single cell lithium batteries that charge from transmitter
- 8 to 10 minute flight times
- Fly mild or wild - capable of aerobatics and gentle cruising
- Complete line of replacement parts available



Fly twice as long!
Includes an extra battery - FREE



IMPORTANT!
Radio controlled model
NOT A TOY!

This high performance model must be assembled and operated according to the instructions.

May cause serious injury to persons or property if not used responsibly. Unsuitable for children under 14 years.

Items Included With Your Model:

- Transmitter
- AA batteries (4)
- Assembled aircraft
- Li-Po battery (2)
- Streamer



Install the Transmitter Batteries

Open the rear cover of the transmitter. Insert the four AA batteries noting the polarity of the batteries molded into the transmitter case. Replace the cover on the transmitter.

Charging the Flight Battery

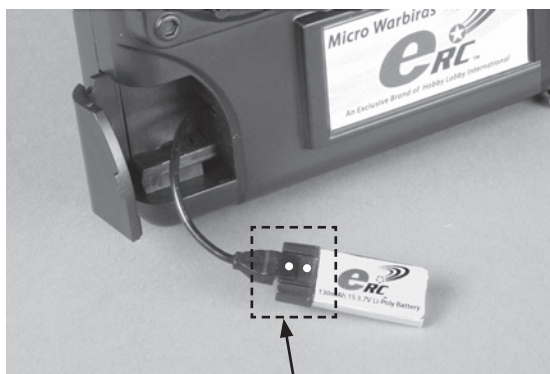
Open the door on the transmitter to access the charger lead. Connect the lead to the flight battery making sure the red dots are aligned.

The transmitter can be in either the ON or OFF position while charging a battery. If the battery is charging correctly, a yellow light on the transmitter face will light. When charging is complete, the yellow light will go off.

Transmitter Battery Check

When charging with the power switch in the ON position, the signal that the AA transmitter batteries need to be replaced will be an audible beep. When charging with the power switch in the OFF position, the yellow light will become dim when the AA transmitter batteries are running low.

Note: If you are flying your model while the transmitter battery power becomes low, stop flying immediately and replace the batteries in the transmitter.



Make sure that the coloured dots are lined up on the battery and charge lead. Plugging the battery in the wrong way round may damage the pins on the battery and is not covered by the warranty.



Install the Flight Battery

Once the flight battery has charged, insert the battery in the battery holder as shown. Make sure the red dots are aligned.

Make sure the connector on the battery is aligned properly to the plug in the fuselage. Take care not to force the battery in the fuselage. **Use only the supplied battery or ERC replacement part. Other batteries may damage the radio system.**

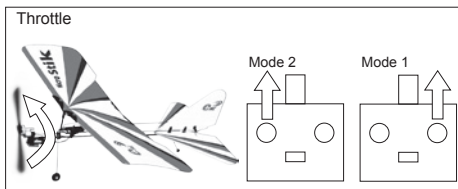
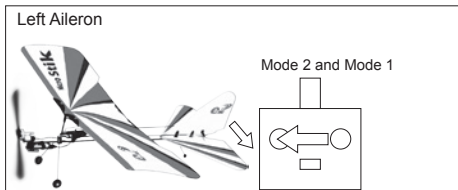
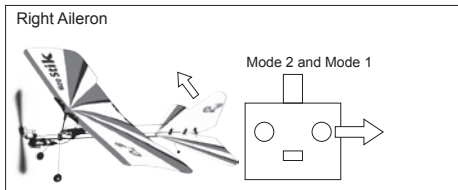
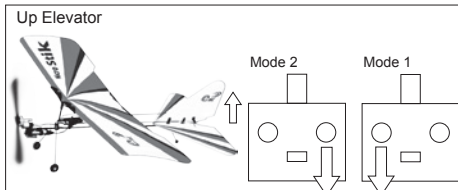
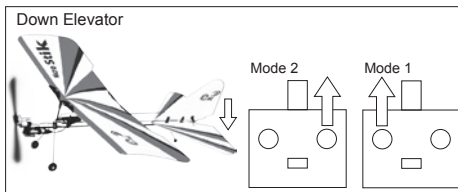
Binding the Model

Your model is shipped ready to fly. If you find the controls are not responding to the transmitter, it may be necessary to bind the radio system. Use the following to bind the radio system.

1. Turn on the transmitter
2. Install the flight battery and connect the plug
3. Momentarily depress the 2 trim buttons on the throttle stick Note: Throttle is on the right for Mode 1 and left for Mode 2.

Note: You do not need to hold them down

4. The airplane will indicate that it is bound by moving the controls
5. Check that the control surfaces are moving in the correct direction



Control Throw

Make sure the controls for your model operate correctly.

Elevator Control

Moving the elevator stick (mode 2-right, mode 1-left) to the top of the transmitter will make the elevator move down. In the air, this will cause the plane to dive. Moving the stick toward the bottom of the transmitter will make the elevator go up. In flight this will make the model climb.

Rudder Control

Moving the right stick to the right will make the rudder go right. In flight this will make the model turn to the right. Moving the stick to the left will make the rudder go left. In flight this will make the model turn to the left.

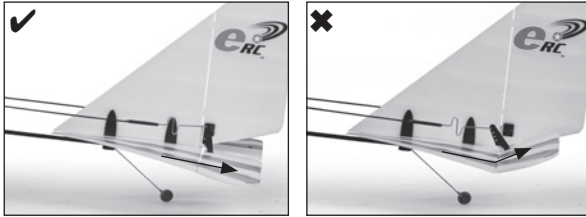
Throttle Control

Moving the throttle stick (mode 2 - left, mode 1 - right) to the top of the transmitter will operate the motor. The throttle is proportional, so as you move the throttle stick up, the speed of the motor will increase, which increases the flying speed of the model. We recommend flying at 1/4 to 2/3 throttle for your first flight to learn the flying characteristics of your model.

Note: Your radio does have a 4th channel, but is not a function designed into this particular model.

Setting the trim before flight

It may be necessary to fine trim your model before flight, with all transmitter sticks in neutral all control surfaces should be at neutral position.

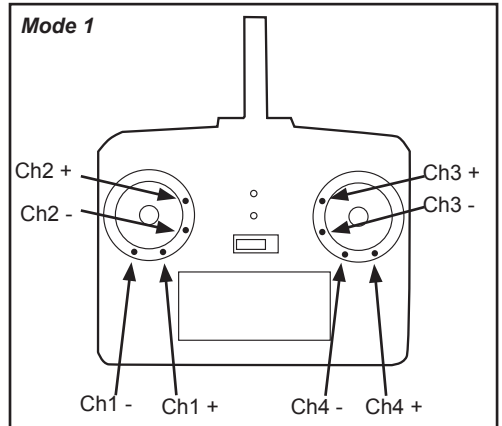
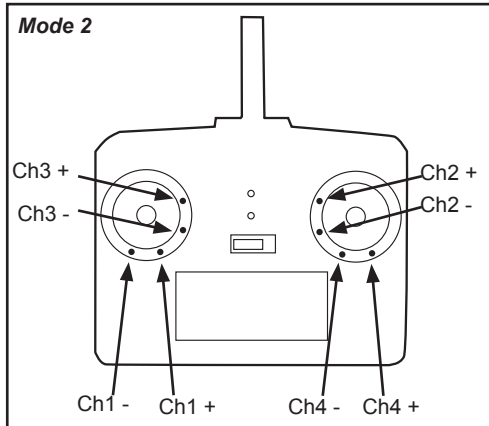


DIGITAL TRIMS:

CH2: Elevator trim buttons
(+ for up and - for down)

CH3: Throttle trim buttons
(+ for increase and - for decrease)

CH4: Rudder trim buttons
(+ for right and - for left)



Servo reverse

Servo directions are factory set and should move in the correct direction. To reverse servo direction follow this procedure:

Ch2 Elevator servo reverse: Press Ch1+ and Ch2+ or - simultaneously

Ch4 Rudder servo reverse: Press Ch1+ and Ch4+ or - simultaneously

Flying Your Model

Your model has been designed for the intermediate modeler who is familiar with the use of a four-channel radio system. It is available in Mode 1 and Mode 2. Always perform a range and flight check to make sure all controls are operating properly before flying your model.

Range check:

Connect the Li-Poly battery to the aircraft, before turning on the TX press CH3-, keep the button pressed down and turn on the transmitter. You will hear 5 consecutive tones, you are now in range check mode. 10 metres distance from the model in range check mode is equivalent to around 100 metres range in normal flying mode. Move the transmitter sticks to ensure all channels are working. To return to normal flying mode turn off the transmitter and turn it back on again, you will hear 3 beeps to confirm you are back in normal flying mode.



Flight check:

Point the model into the wind. Advance the throttle to 2/3 power and gently “push” the model forward with the nose up slightly. You can also take off from the ground on smooth surfaces such as gym floors or driveways.

The Micro Stik can be flown mild or wild. Slowly cruise around at 1/4 throttle or perform multiple loops and tight turns at higher power settings.

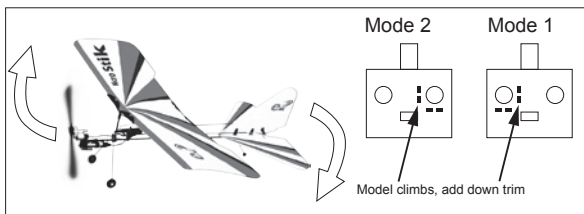
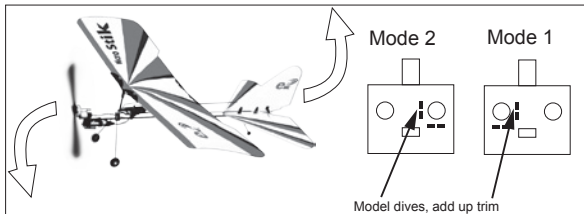
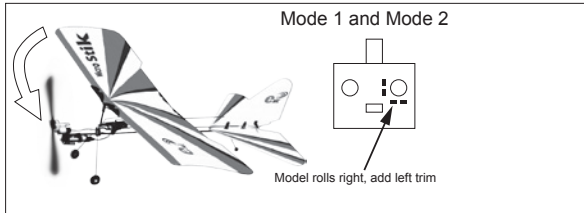
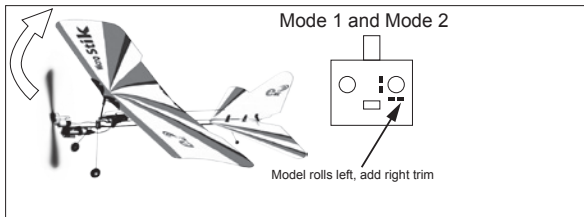
To land, reduce the throttle enough to cause the model to slowly descend. Point the model into the wind and fly it gently to the ground. With a little practice you will be able to perform touch and goes.

Flying Area

You can fly your model indoors in an area the size of a small gymnasium, or outdoors in a similar sized area or larger in winds less than 5 mph. Make sure to choose an area that is clear of buildings, trees, power lines or other obstacles that your aircraft could collide with. Always fly your model away from crowds or spectators to avoid injury.

General Flying Precautions

Always make it a point to practice good flying techniques. Choose an area large enough that you can safely maneuver your model. Always fly your model in winds of 5 MPH or less. Avoid flying into the sun.



Trimming the Model in flight

If you find that your model does not fly straight, it may be necessary to adjust the trim for straight and level flight. Trimming is best done when flying at 1/2 to 2/3 power.

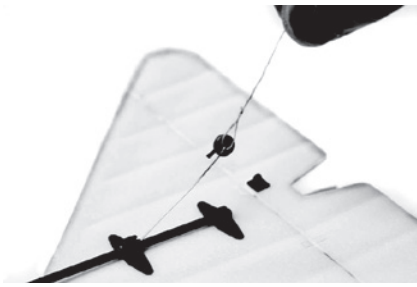
Rudder Trim

If the model appears to turn slightly to the right or left, it may be required to adjust the rudder trim. If the model is turning to the left, press the right rudder trim until the model flies level. If it is turning to the right, press the left rudder trim. You should only use one or two presses at a time so the model is not over-trimmed and begins turning the opposite direction.

Elevator Trim

If the model is climbing or diving in flight, it may be necessary to adjust the elevator trim. If the model is climbing, you will need to press the down elevator trim. If the model is diving, it will require that you press the up elevator trim. As with the rudder, only press the trim once or twice until the model flies level to avoid over-trimming.

NOTE: If you reach the end point of the trim you will hear a continuous beep.



Attaching the streamer

You can attach the streamer for added fun or for combat with other Micro Stik pilots. Attach the end with the loop around the tail wheel.

Spare Parts

The product team at J Perkins hopes that you enjoy your new Micro Stik. Whether flying in your outdoors or indoors we think that the Micro Stik is a model that you'll be proud to show off to your friends and flying buddies. If you ever need replacement parts, please refer to your local model shop using the part numbers below. And don't forget to visit our website regularly at www.jperkinsdistribution.co.uk so you won't miss our future Micro Series releases!

Part #	Description
4499520	eRC MICRO STIK FUSELAGE & BRACKETS
4499521	eRC MICRO STIK WING & SUPPORT
4499522	eRC MICRO STIK TAIL SET & CONTROL HORNS
4499523	eRC MICRO STIK 130mAh LIPO
4499524	eRC MICRO STIK 150mAh LIPO (UPGRADE)
4499525	eRC MICRO STIK MOTOR & GEAR BOX
4499526	eRC MICRO STIK PROPELLER (2)
4499527	eRC MICRO STIK LANDING GEAR SET (MAIN & TAIL)
4499528	eRC MICRO STIK DECAL SET
4499530	eRC MICRO STIK TRANSMITTER (MODE 2)
4499531	eRC MICRO STIK TRANSMITTER (MODE 1)
4499532	eRC MICRO STIK PUSHRODS
4499533	eRC MICRO STIK RECEIVER & SERVO BOARD
4499534	eRC MICRO STIK PROPELLER SHAFT & SPUR GEAR
4499535	eRC MICRO STIK STREAMERS (3)

Warranty Information

For a period of one year from time of purchase, J. Perkins Distribution Ltd will repair or replace, at it's discretion, any items showing manufacturing or assembly defects that has been found faulty by our service department. This does not affect your statutory rights.

J Perkins Distribution Ltd does not accept any liability for any injury, damage or consequential damage arising as a result of failure to observe the procedures and precautions outlined in this manual. J Perkins Distribution Ltd does not accept any liability that may arise from any misuse or modification of this equipment, Please note that, whilst every effort is made to ensure the accuracy of instructions and materials included with this product, mistakes can occur and neither J. Perkins Distribution Ltd nor it's distributors will be held liable for any loss or damage arising from the use of this system or for any loss or damage arising from omissions or inaccuracies in the associated instructions, references, web sites or materials included or referred to with this product.

We reserve the right to modify the design of this product, the box contents and manual without prior notification. E&OE

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web: www.jperkinsdistribution.co.uk

Safety Instructions for Charging and Using Li-Poly Batteries

- Do not put the battery on, or near anything, that can catch fire when charging.
- Always charge the battery on a non-flammable base, i.e. a metal tray.
- Do not disassemble the battery.
- Do not short-circuit the battery.
- Do not use, or leave, the battery near a fire, stove or heated place.
- Do not immerse the battery in water or seawater, do not get it wet.
- Do not charge the battery near a fire or under the blazing sunlight.
- Do not drive a nail into the battery, strike it with a hammer or apply excessive weight to the battery.
- Do not impact or throw the battery.

Safety Precautions

1. Please do not change any part of the plane without checking with J Perkins (Dist) Ltd. You will be responsible for any damages caused by these changes.
2. Your flying area should be wide-open and free of obstacles. Never fly near highways, railways, airports, power lines or in residential areas.
3. To avoid personal injury, never fly your model near or facing people, or throw the plane in their direction.
4. Do not fly your model outdoors in winds over 5 MPH.
5. Never dispose of batteries or parts of your model in a fire as it could lead to an explosion and personal injury.

General Safety Statements

1. This aircraft is not a toy. It has been designed for the experienced modeler and pilot. You are responsible not to cause damage to other's personal property or cause personal injury.
2. J Perkins (Dist) Ltd and our dealers are not responsible for any economic or law liability for any improper usage or operation of this model.
3. This model is designed for use by modelers age 14 and over. This model is not recommended for unsupervised modelers under 16 years of age.
4. Never use the model or associated electronics in damp or rainy conditions.
5. This model is made from EPS and Polystyrene, which can be damaged by excessive heat. Keep your model away from excessive heat, left in a hot car, and out of direct sunlight for extended time periods or it can become warped and affect the flight performance of the model or damage the decals.
6. Never leave the battery connected while the model is unattended. Accidental operation can occur and cause personal injury.
7. Before operating the model, make sure to turn on the radio system and check the functions before beginning flight.
8. Always make sure the throttle stick on the transmitter has been moved to the low or off position before connecting the motor battery.

EU regulations

J Perkins Distribution Ltd declares that this remote control system is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC on Radio equipment and Telecommunications Terminal Equipment. A copy of the declaration(s) of conformity can be obtained from J Perkins Distribution Ltd, Ashford rd, Lenham, Kent. UK ME17 2DL. This system complies with the EU directive on Waste Electrical and Electronic Equipment. Do not dispose of this product in household waste. At the end of the products' life, dispose of it at a designated collection point for the recycling of waste electrical and electronic equipment.

Please contact your supplier for any advice required on disposal.





Have Fun!

We hope that you have many pleasant flights with your Micro Stik!

J Perkins Distribution, Lenham, UK



www.jperkinsdistribution.co.uk