

MICRO **BOOMERANG**

2.4GHz RADIO CONTROLLED AEROPLANE



Wingspan: 457mm (18")
Length: 343mm (13 1/2")
Flying Weight: 34g (1.2 oz.)

SEAGULL MODELS

**MINIATURE VERSION OF THE WORLD
FAMOUS SEAGULL BOOMERANG!**



4499321 **MICRO BOOMERANG RTF (Ready To Fly) Mode 1**
4499320 **MICRO BOOMERANG RTF (Ready To Fly) Mode 2**
4499322 **MICRO BOOMERANG RC Ready**

- Micro version of the world famous Seagull Boomerang trainer
- 2.4GHz eRC transmitter with built-in charger (RTF versions only)
- Lightweight durable moulded construction
- 3-channel control: rudder, elevator and throttle
- Available with Mode 1 or Mode 2 transmitter
- Proportional servos for smooth controlled flight
- Includes eRC 150mAh LiPo battery
- 10+ minute flight times are possible
- Motor cutoff to prevent over discharge
- Powerful enough to fly outside in up to 10mph winds
- Complete line of spare parts available



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.

VITAL SAFETY INFO

CAUTION! *The Micro Boomerang is not a toy.*

It can cause injury to persons/animals and/or property if not used correctly. It is unsuitable for beginners or persons under the age of 14. You should take care and observe the principles of safety when flying this model.

In the UK, we recommend you observe the model flying safety code of the British Model Flying Association which can be found at the following address:

<http://www.bmfa.org>

YOU ASSUME ALL RISK.

ABOUT THE FLYING AREA REQUIRED

Only fly in large open spaces that are approved for R/C model flying and that are away from people, animals, buildings, power lines, water or trees.

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.



GUARANTEE/WARRANTY

J. Perkins Distribution Ltd. guarantee this product to be free of manufacturing and assembly defects for a period of one year from time of purchase. This does not affect your statutory rights. This warranty is not valid for any damage or subsequent damage arising as a result of a crash, misuse, modification or for damage or consequential damage arising as a result of failure to observe the procedures outlined in this manual. Operation of this model is carried out entirely at the risk of the operator. Please note that, whilst every effort is made to ensure the accuracy of instructions and material included with this product, mistakes can occur and J. Perkins Distribution Ltd will not be held liable for any loss or damage arising from the use of this model or for any loss or damage arising from omissions or inaccuracies in the associated instructions or materials included with this product.

We reserve the right to modify the design of this product, contents and manuals without prior notification.

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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. 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. Model Engines, and J Perkins Distribution 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.

Items Included With Your Model:

- Transmitter (RTF Versions only)
- AA batteries (4) (RTF Versions only)
- Assembled aircraft
- Li-Po battery (2)



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.

Install the Flight Battery

Once the flight battery has charged, attach the battery to the bottom of the fuselage as shown.



Removing the Wing

If you need access to the internal workings of the model, the rear of the wing is secured with a strong magnet.

To release the magnet, hold the fuselage of the model in one hand and carefully but firmly lift the trailing edge of the wing approx. 5mm. Then slide the wing backwards (towards the tail) out of its mount. Replace the wing by doing the reverse.



MODE 1 or MODE 2?

Your Micro Boomerang is available with either a, Mode 1 transmitter (throttle on the right) or Mode 2 transmitter (throttle on the left). The best mode is the one you first learn on, it's up to you.

(The instructions on this page relate to Mode 1 transmitters).

Binding the Model

RTF versions are shipped ready to fly. If you find the controls are not responding to the transmitter, it may be necessary to bind the radio system.

RC Ready version, you will need to bind the model to your existing eRC transmitter before the model will respond to the transmitter. (This model will only bind to an eRC transmitter)

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 (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



Down Elevator

Elevator Control

Moving the left stick 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.



Up Elevator



Right Rudder

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.



Left Rudder

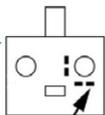
Throttle Control

Moving the right stick 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.



Throttle

(The instructions on this page relate to Mode 1 transmitters).

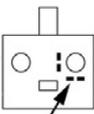


Model turns left, add right trim

Trimming the Model

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.



Model turns right, add left trim

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.



Model dives, add up trim

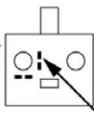
Elevator Trim

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.



Model climbs, add down trim

MODE 1 or MODE 2?

Your Micro Boomerang is available with either a, Mode 1 transmitter (throttle on the right) or Mode 2 transmitter (throttle on the left). The best mode is the one you first learn on, it's up to you.

(The instructions on this page relate to Mode 2 transmitters).

Binding the Model

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5. Check that the control surfaces are moving in the correct direction



Down Elevator

Elevator Control

Moving the left stick 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.



Up Elevator

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.



Right Rudder



Left Rudder

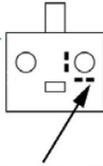
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Throttle

(The instructions on this page relate to Mode 2 transmitters).

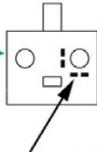


Model turns left, add right trim

Trimming the Model

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.



Model turns right, add left trim

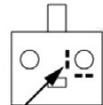
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If the model is turning to the left, press the right rudder trim until the model flies level.

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.



Model dives, add up trim

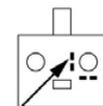
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If the model is climbing or diving in flight, it may be necessary to adjust the elevator trim.

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.



Model climbs, add down trim

SPARE PARTS

The product team at J Perkins hopes that you enjoy your new Micro Series Boomerang. If you ever need replacement parts, please refer to your local model shop. And don't forget to visit our website regularly at www.jperkinsdistribution.co.uk so you won't miss our future new Micro Series releases!

JP No	Description
4499325	Receiver/Servo Board
4499326	150mAh LiPo Battery
4499327	8.5mm Motor and Gear Box
4499328	Main Wing with Decals
4499329	Tail Set (with control horns and mount)
4499330	Propeller (including 1 spinner)
4499331	Propeller Shaft (with gear)
4499332	Main Landing Gear
4499333	Decal Sheet
4499334	Pushrods
4499335	Fuselage (with decal and tail wheel)
4499530	Transmitter (mode 2)
4499531	Transmitter (mode 1)



Flying Your Model

Your model has been designed for the beginner to intermediate flyer.

Always perform a flight check to make sure all controls are operating properly before flying.

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 Boomerang can be flown fast or slow.

Cruise around at 1/4 throttle or perform 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.

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 10kmh (5mph) or less.

Avoid flying into the sun.

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.



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2.4GHz RADIO CONTROLLED AEROPLANE



European agents: J Perkins Distribution,
Lenham, England



www.jperkinsdistribution.co.uk