

RC PTERANODON

RADIO CONTROL FLYING DINOSAUR

JURASSICA



BATTERIES REQUIRED: 6 x "AA", 1 x "9v" (sold separately)
Full charge will take 4 minutes, will last for 2 minutes of flight. Range 300 feet.
If range exceeded, will automatically attempt to return to range.

WARNING! Always use under direct supervision of an adult. For use with ages 6 and up.
Please read instruction booklet carefully before operating RC Pteranodon.
Please keep instruction booklet and display box for future reference.

Any Questions? PLEASE DO NOT TAKE YOUR PRODUCT TO THE STORE.
Call our Customer Service: Takara Customer Service, Toll free at 1-888-238-8103

TAKARA®

1. WARNINGS

PLEASE READ THIS CAREFULLY BEFORE USING.

- Please play in an open field. Do not play near or on a road or railway, near buildings, trees or overhead power cables or near other people. Please confirm your play area is safe before using.
- If the Pteranodon is caught on a building, tree or power cable, do not climb to retrieve it. Please ask an adult to notify the owner of the building, tree or power cable as there may be an electric current present.
- When you are flying the Pteranodon, keep it in your sight. Make sure people nearby know you are flying your Pteranodon.
- Keep your body, fingers, face and clothing away from the moving propellers.
- Children should be under adult supervision when they are playing with the Pteranodon.
- There are small parts included in this product. Do not put any of the parts in your mouth.
- Keep away from children under six years old.
- Do not touch the metal part on the battery charger with your finger, body or any metal object. It may cause excessive heat, battery leakage or explosion.
- This product is for outdoor use only. Do not use indoors.

The improper use of the rechargeable batteries included in this package may cause excessive heat, battery leakage, explosion, damage the product and surrounding objects, or lead to injury. Please read the instructions below

- Do not charge without fully discharging the Pteranodon. Repeated overcharging can lead to deterioration in battery performance.
- Never touch the metal contact part with a metal object. This may cause a shock and can be dangerous.
- Stop use when it becomes wet. Moisture may cause a short circuit and can be dangerous.
- Keep away from water or fire. Do not disassemble or solder the product.
- Keep away from fire or hot and/or humid environments.
- Do not use any electricity source other than the charger included in this package. Other charging sources may cause damage or lead to injury.

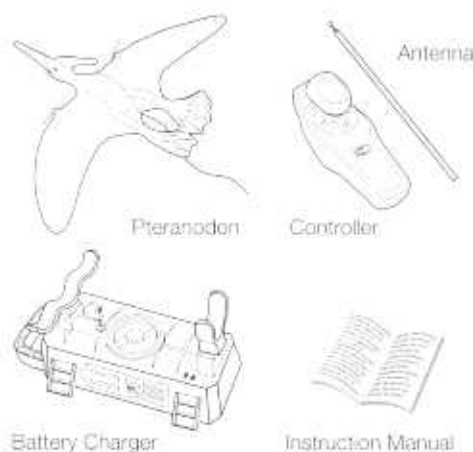
The improper use of the controller batteries may cause excessive heat, battery leakage, explosion and damage or lead to injury. Please read the instructions below.

- Only use "AA" alkaline batteries. (Please confirm battery sizes.)
- Never use rechargeable batteries.
- Do not mix old and new batteries.
- Turn off the power when installing the batteries.
- Please install the batteries with the correct polarity, as indicated by the +/- signs.
- Remove the batteries when product not in use.
- Do not short circuit or disassemble. Keep away from fire.
- If any batteries you are using start to leak, carefully remove them without letting them contact any part of the body, throw them away and replace with fresh batteries.

Other cautions when using the Pteranodon and the controller

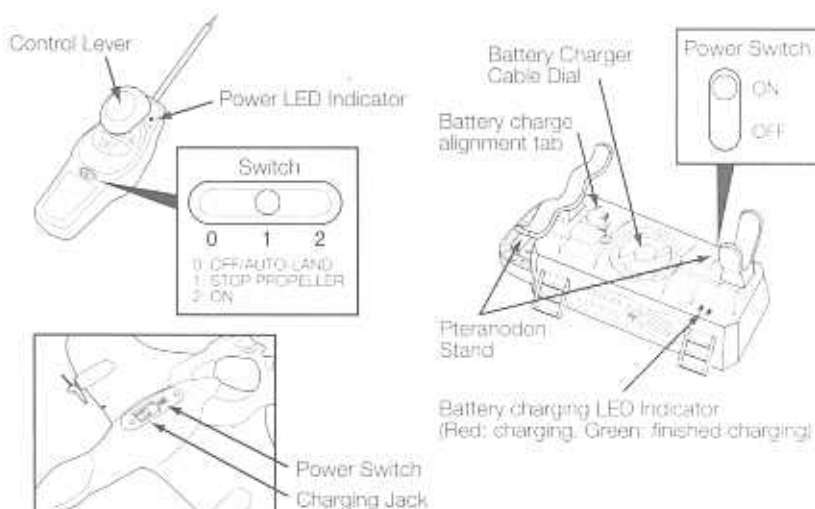
- When other radio controlled products with the same frequency are used nearby, this may cause interference and the Pteranodon may not fly. (When the propellers on the Pteranodon spin erratically, this may be evidence of frequency interference.)
- Do not bend, tear, stretch, strongly hit or drop any part.
- Do not put any object onto the stem of the propellers.
- Do not start the Pteranodon when the propellers are unable to move freely.
- When any of the propellers are broken or missing, do not fly the Pteranodon.
- When the Pteranodon or the controller is submerged in water, turn off the power at once (taking care not to touch with your skin) and do not touch until it is absolutely dried out.
- Striking any part while the Pteranodon is being charged may damage the connector.
- When the charge is done, remove the Pteranodon from the charger.
- Do not place anything on top of your Pteranodon. Do not leave your Pteranodon upside down resting on its wing tips. If you do either of these, they may cause the foam to deform and the wings to become misshapen. If this happens, your Pteranodon may not fly. To preserve the life of your Pteranodon, be careful to store the Pteranodon in a safe place with nothing resting on it, and never store the Pteranodon in an upside down position.

2. CONTENTS

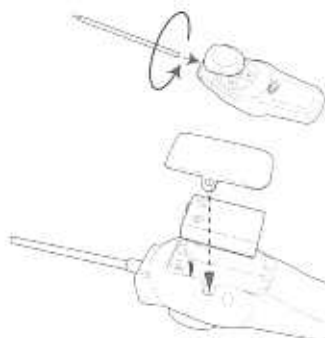


Batteries required:
6 x "AA", 1 x "9v" (sold separately)

3. NAME OF THE PARTS



4. HOW TO ATTACH THE ANTENNA/INSERTING THE BATTERIES



How to attach the antenna

Insert the antenna into the top of the controller and turn clockwise until it clicks into place.

How to insert batteries into controller

- Use a Phillips screwdriver to open the battery box cover.
- Insert 1 x "9v" batteries aligned to the (+) (-) signs as indicated.
- Replace cover and tighten snugly using screwdriver.

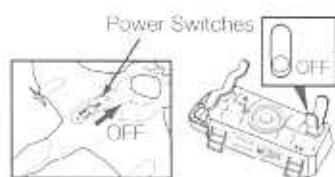


How to insert the batteries into the battery charger

- Use a Phillips screwdriver to open the battery box cover.
- Insert 6 x "AA" batteries aligned to the (+) (-) signs as indicated.
- Replace cover and tighten snugly using screwdriver.
- After 20 full charges, please replace batteries in charger.

5. HOW TO CHARGE THE PTERANODON

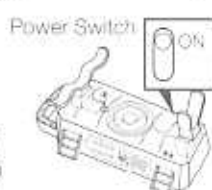
- Before flying your Pteranodon for the first time, or if not used for a long time, please charge and discharge fully three times in order to obtain best performance and flight time from your Pteranodon.
- Full charge will take 4 minutes, will last for 2 minutes of flight.
- Please fully discharge the battery pack once every two charges, by placing on its stand and running until it runs out of power and the propellers stop, in order to avoid overcharging, which could damage your Pteranodon.



Turn off the switch on the Pteranodon and on the charger. If either is turned on, the Pteranodon will not charge.



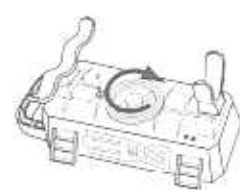
Insert the cable from the battery charger into the charging jack of the Pteranodon



After the cable is attached to the Pteranodon, turn on the power switch on the battery charger.



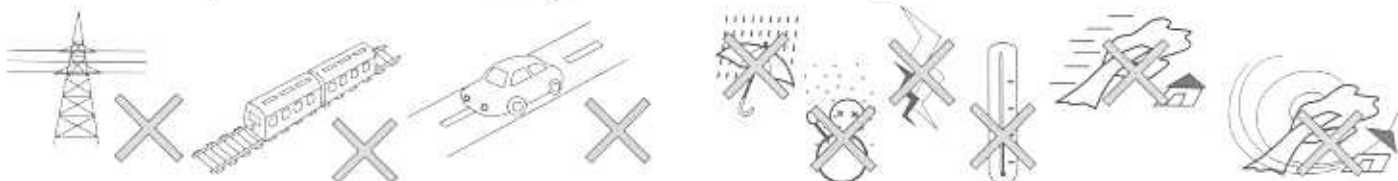
Place the Pteranodon on the stand. During charging, the Red LED will be lit. Once the LED turns Green, charging is finished.



After finishing charging, remove the cable from the Pteranodon and wrap around charge cable dial.

6. CAUTION

- Play in an open field where there are no obstacles such as buildings, trees or power cables, and where there are no people, animals or vehicles. DO NOT play near power cables, railways or roads. It is recommended to play on grass, as this will reduce the impact of a fall or of a normal landing.
- Play on clear or partly cloudy days where there is no strong wind, as this will cause difficulty in maneuvering. DO NOT play when it is raining, snowing, thundering, or in strong wind or other bad weather conditions. DO NOT play when the outside temperature is below 45 degree fahrenheit.

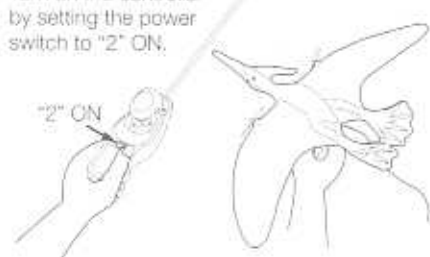


7. HOW TO USE YOUR RC PTERANODON

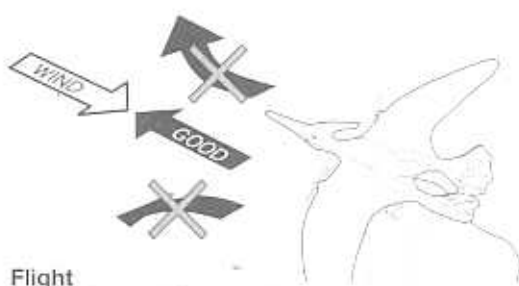
Turn on the Pteranodon.



Turn on the controller by setting the power switch to "2" ON.



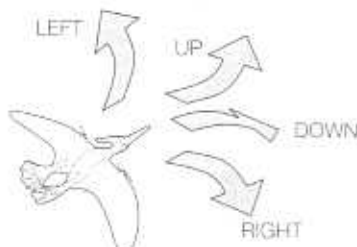
Extend the antenna of the controller and turn on the controller (the controller power indicator will glow red). Holding the Pteranodon by its body and facing away from any person or obstacle, push the control lever forwards. The propellers will start to spin.



Flight

- 1) Aiming your Pteranodon into the wind, throw it horizontally.
- 2) Ensure that the Pteranodon antenna is straight and not bent.

8. HOW TO MANEUVER THE CONTROLLER



- Please do not set controller to "1" position while Pteranodon is flying, as this will cause it to crash.
- Range 300 feet. If range exceeded, will automatically attempt to return to range.

9. LANDING



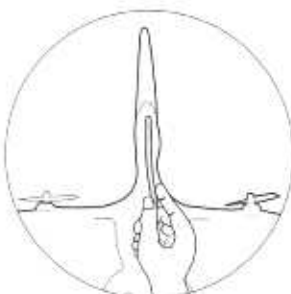
Set the lever on the controller to the DOWN position and the Pteranodon will start to descend. Control the Pteranodon to land on a soft surface such as a lawn.



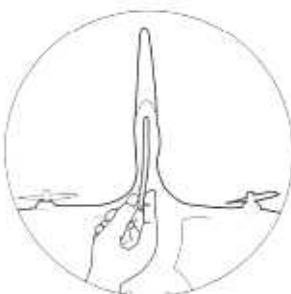
As soon as the Pteranodon lands, turn off the propellers by first setting the controller switch to position "1". Then turn off the Pteranodon, then set the controller switch to position "0".

You can also land by simply setting controller to the "0" OFF/AUTO-LAND position. Your Pteranodon will circle and land on its own.

10. REPAIR



Bending to the right



Bending to the left

If your Pteranodon develops a tendency to fly too far to the right or left, delicately bend the crest on top of the Pteranodon's head to even out flight.

If your Pteranodon gets torn or damaged, repair it using adhesive tape.

11. HOW TO FLY

1. Once the Pteranodon takes off, fly straight and push the lever to UP to gain altitude (at least 15 feet)



2. Avoiding a stall: When the Pteranodon is directed upward, it will start gaining altitude. However, it will eventually turn straight up and stall, resulting in a fall. To avoid this, please push the controller lever back to its CENTER or DOWN position until the pteranodon is parallel to the ground.



3. Correcting Windshear: When the Pteranodon is flying straight and there is a sudden wind, its course will be disturbed. Set the control lever to the opposite direction in order to put the Pteranodon back on course. For example, when the wind pushes the Pteranodon leftward, set the control lever to RIGHT, and vice versa.



4. Circling: When the control lever is set to right or left, the Pteranodon will turn in that direction, but will eventually start circling and will start losing altitude unless the control lever is pulled to CENTER occasionally. For example, when making a rightward circular flight, try setting the lever to RIGHT and to CENTER repeatedly.



Ending circling: Set back the control lever to CENTER. Setting the lever to the opposite direction of which you were making a circle will put the Pteranodon back to horizontal flight faster.



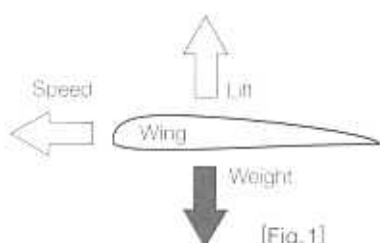
Flying into the wind: When flying into the wind, the Pteranodon makes a faster turn than when flying with a tailwind.



5. Landing: Aiming the Pteranodon into the wind with the lever in CENTER position will cause it to descend slowly. When the Pteranodon is about 2 feet off the ground set the lever to DOWN to complete the landing. You can also land by simply setting controller to the "0" OFF/AUTO-LAND position. Your Pteranodon will circle and land on its own.



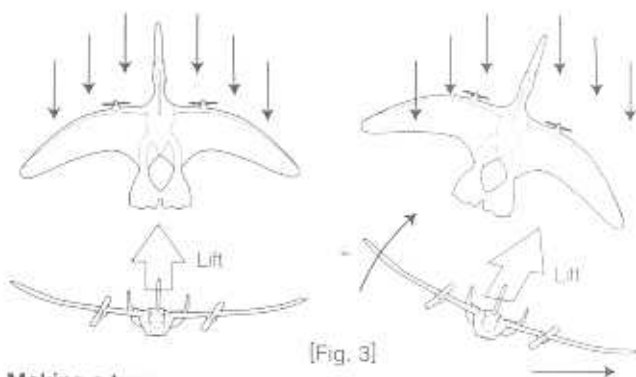
12. HOW THE PTERANODON FLIES



[Fig. 1]



[Fig. 2]



[Fig. 3]

The Pteranodon flies using a pair of propellers.

Horizontal flight:

Flying objects have wings. As a wing moves through the air, "lift" will occur (see Fig. 1). Lift becomes stronger as speed increases. The Pteranodon will fly horizontally when the weight of the Pteranodon and the lift balance.

Upward and downward flight:

The Pteranodon's propellers are spinning at the speed where the Pteranodon flies horizontally. When the control lever is pushed to the UP position, the propellers will spin faster and the Pteranodon flies faster. This increases the lift, causing the Pteranodon to rise. When the control lever is pulled to the DOWN position, the propellers will spin slower, the Pteranodon's speed will decrease, causing weaker lift, and the Pteranodon will descend.

Making a turn:

Both propellers spin at the same speed when the Pteranodon is flying straight. When the control lever is pulled to the RIGHT position, the left propeller will spin faster and the right one will spin slower. This will make the Pteranodon tilt rightwards. The wing of the Pteranodon has a special angle (see Fig. 2). This special angle means that when the Pteranodon is tilted rightward, the air stream on the wing changes and lifts the left wing upward. This extra lift on the left wing will push the Pteranodon rightward (see Fig. 3). The leftward turn is vice versa. The Pteranodon flies using the balance between the propellers.

13. TROUBLESHOOTING GUIDE

PROBLEM	CAUSE	SOLUTION
Pteranodon will not start.	Pteranodon not charged. Pteranodon or Charger power switches not set correctly.	Charge for 2-4 minutes. In order for Pteranodon to charge, it must be set to OFF position, and the charger must be set to ON position.
Propellers will not turn.	Controller not set to "2" ON position. Antenna not extended. Pteranodon antenna twisted.	Set controller to "2" ON position. Fully extend controller antenna. Straighten antenna.
Pteranodon not flying or flying too low.	Needs more power. Batteries are drained. Winds are strong.	Push control lever to UP. Recharge the batteries. Do not fly in strong winds.
Pteranodon flying too high.	Needs less power.	Push control lever to DOWN.

14. FCC REQUIREMENT

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
 - This device may not cause harmful interference.
 - This device must accept any interference received, including interference that may cause undesired operation.
- Do not attempt to repair or modify this equipment. Changes or modifications not expressly approved by the party responsible for its compliance could void the user's authority to operate the equipment.

15. WARRANTY

This product is warranted against manufacturing defects in both material and workmanship for 60 days from the date of original purchase. Within this period, TAKARA U.S.A. CORPORATION will either repair or replace this product without charge for parts or labor. Do not attempt to repair or modify this equipment, as this may void your warranty.

IMPORTANT: PLEASE KEEP YOUR ORIGINAL SALES RECEIPT AS PROOF OF PURCHASE.

Without the required Proof of Purchase you may not be eligible for coverage under this Limited Warranty. If you have any problems with this product, please call Takara Customer Service toll free at 1-888-238-8103. Our Customer Service Operator will provide you with the proper information and instructions to deal with your questions or problems with this product. The decision whether to either repair or replace this product is at the sole option of Takara U.S.A. Corporation. This warranty does NOT cover damage or failure caused by or attributable to Acts of God, abuse, misuse, improper or abnormal usage, or any repairs (other than those provided by Takara U.S.A. Corporation) or shipping costs incurred in transporting this product to Takara U.S.A. Corporation. Some states do not allow the limitation or exclusion of incidental or consequential damages and some states do not allow limitation or exclusion of implied warranties; therefore the aforesaid limitation(s) or exclusions may not apply to the purchaser. This warranty gives you specific legal rights and you may have other rights which vary from state to state. This Limited Warranty is VOID if this product is purchased outside of either the U.S.A. or Canada.

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