

Please read these instructions carefully before handling the remote control or radio-controlled aircraft carrier

**A. PRODUCT DESCRIPTION**

1) Description of aircraft carrier and accessories

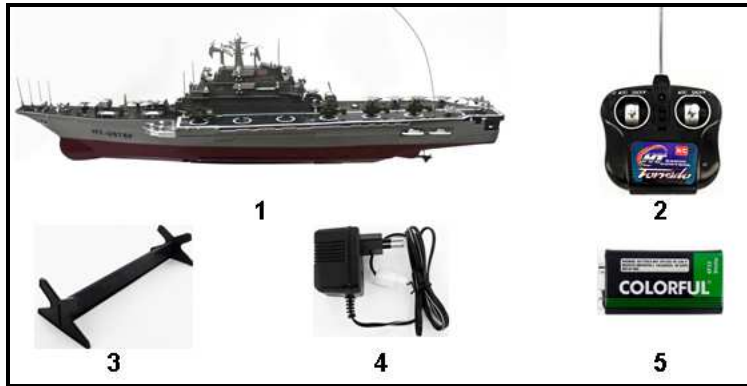


Figure 1

- 1. Aircraft carrier
- 2. Wireless remote control
- 3. Stand
- 4. Charger
- 5. 9V battery

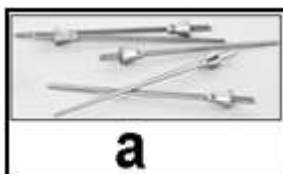
2) Description of remote control



Figure 2

- 1. Transmitter antenna
- 2. Power indicator - green LED
- 3. Right joystick
- 4. Left joystick

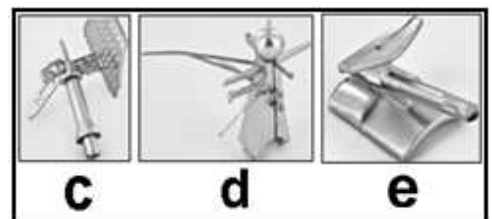
3) Description of small parts of the aircraft carrier (contents of small plastic bag supplied with aircraft carrier)



Lightning rod (x5)



Smoke bomb launcher (x1)



Radar system components



Antenna (x1)

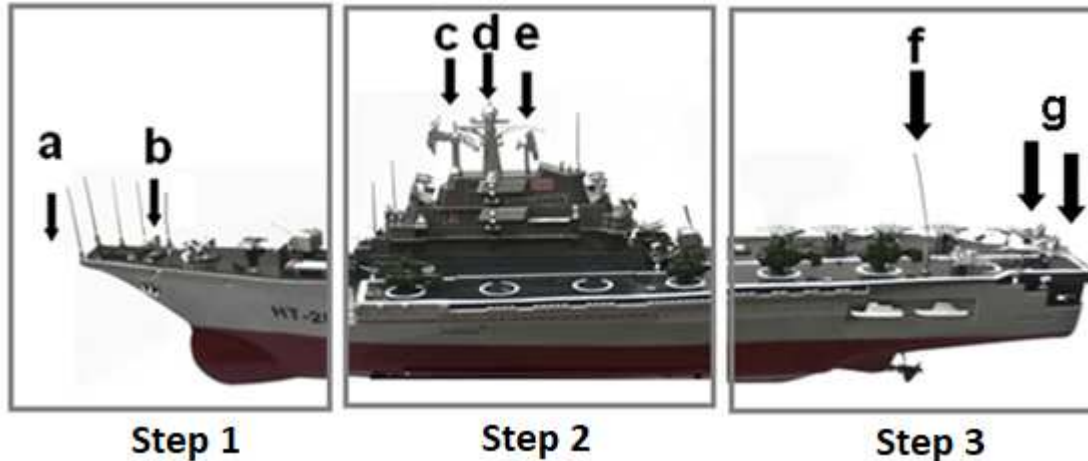


Military aircraft (x2)

Figure 3

## B. FITTING SMALL PARTS ONTO THE AIRCRAFT CARRIER

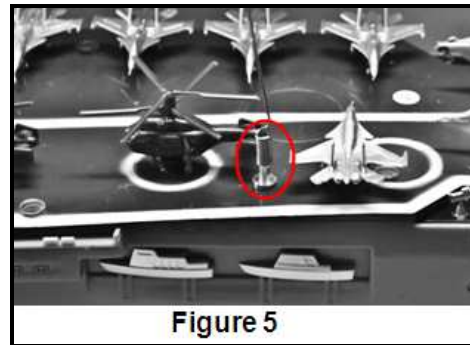
Figure 4



Step 1: Insert the 5 lightning rods (a) at the front of the aircraft carrier, pressing down gently to ensure they are properly inserted. Next, insert the smoke bomb launcher (b)

Step 2: Carefully insert the small items (c, d and e) that make up the radar system.

Step 3: Insert the antenna (f) between the green aircraft and the grey aircraft (see figure 5). Gently insert the 2 small grey aircraft (g).



**When inserting small components, take great care as they are fragile.**

## C. SAFETY INSTRUCTIONS

1. DO NOT TOUCH PROPELLERS WHEN THEY ARE TURNING; they spin at high speed!
2. Keep propellers away from all objects when they are operating. Any object they touch could be caught, transformed into a projectile and cause serious injury.
3. Do not steer your model among floating debris.
4. When you stop using the aircraft carrier, switch off the transmitter (remote control) and receiver (aircraft carrier). Also, disconnect the battery from the aircraft carrier and remove the battery from the remote control, to prevent potentially harmful battery overheating or leakage.
5. Ensure that the aircraft carrier and transmitter are switched off before recovering them.
6. Never try to repair the remote control yourself, as you risk damaging it. Always contact a specialised repairer for any repair.
7. NEVER sail the aircraft carrier on any water where there are swimmers, animals or any obstacle, to avoid accidents.
8. Do not point the antenna to your face or anyone's face. Do not wave the antenna around when in use.
9. The transmitter uses sophisticated electronic components. Do not allow it to get wet. Otherwise, there is a risk of damage to its electronic components.
10. This product contains small parts with sharp edges. Keep out of the reach of children.
11. This product must be used under adult supervision. Do not leave within the reach of unsupervised children. Similarly, inform children of the dangers of playing near water.



### **Static electricity**

Transmitter functions may be affected by magnetic waves generated by lightning storms, even if the storms are still several kilometres away from you.

For this reason, stop using the remote-control aircraft carrier if there is a risk of lightning. Static electricity charge on the transmitter antenna can be dangerous!

## **D. FITTING THE 9V BATTERY**

### **a. Fitting the battery in the transmitter (remote control)**

1. On the bottom of the remote control, slide open the battery compartment cover, in the direction shown by the arrow on the cover, while pressing on the part marked OPEN (see figure 6).
2. Insert the 9V battery at an angle, ensuring that its positive (+) and negative (-) terminals are aligned as shown on the bottom of the compartment (figure 7). Then press the battery from the bottom to securely position it in its housing.
3. Close the battery compartment cover (figure 8).
4. Screw the antenna on to the top of the remote control.
5. Check operation of the remote control by observing the green LED light when you operate the joysticks. If the LED does not illuminate, check that you have inserted the battery with the correct polarity. If the problem persists, use a new battery.



**Figure 6**



**Figure 7**



**Figure 8**

## **G CHARGING AND CONNECTING THE RECHARGEABLE BATTERY**

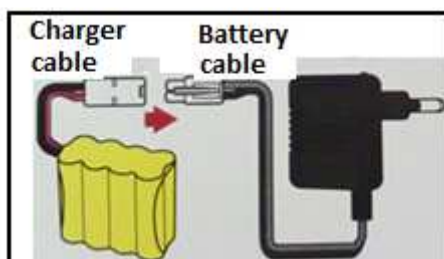
Note: The battery is soldered to the aircraft carrier. The cable is quite long and the charger can be easily plugged into a power outlet.

If the battery needs to be recharged on first use or when recharging later, follow this procedure:

### **1. Battery charging**



**Figure 9**



**Figure 10**



**Figure 11**

1. Connect the charger cable to the battery cable using the moulded connectors. Use the connector that does not have a white plastic tab, as shown in figure 9.
2. Plug the charger into a standard power outlet.

## More information on battery charging

Charging time before first use:	8 hours. It is essential to allow the battery to charge for the full 8 hours.
Re-charging time on subsequent occasions:	4-5 hours
Usage time when fully charged:	20-25 minutes

3. After charging, unplug the charger from the power outlet.

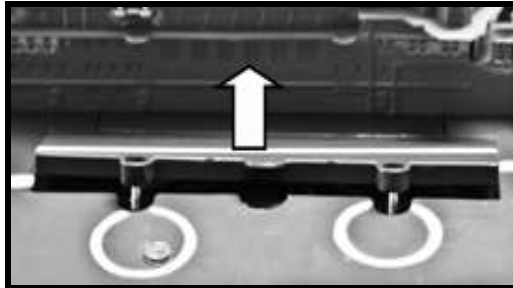
**Note: After recharging, the battery may become hot. This is normal.**

## 2. Installation of aircraft carrier battery



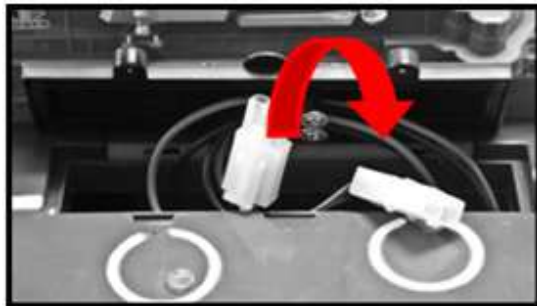
**Figure 12**

Using a cross-head screwdriver, remove the two screws from the battery compartment cover located in the middle of the aircraft carrier



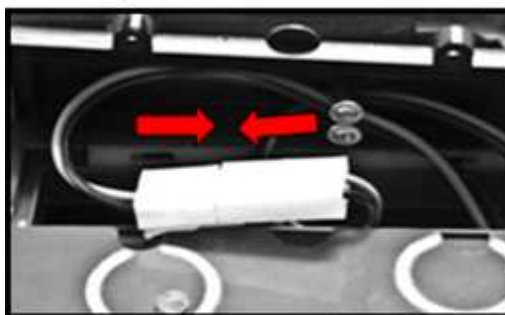
**Figure 13**

Remove the cover.



**Figure 14**

Clip the two moulded plugs together.



**Figure 15**

As soon as the connection is made, the cabin carrying the radar equipment lights up in red, indicating that the aircraft carrier has electrical power. Close the cover, ensuring that the two grey tabs are properly inserted into it. Press it down, close it and replace the screws.



**Only the manufacturer-supplied battery may be fitted to this aircraft carrier.**

## 3. Recommendations for rechargeable batteries

- Unplug the charger at the end of the recommended charging time.
- After charging for the first time, operate the aircraft carrier until the battery is completely discharged. When using the aircraft carrier on water, do not forget to use the remote control to steer it towards land before the battery is completely discharged.

- The battery must be recharged every time before re-use of the aircraft carrier, even though the aircraft carrier can operate with a partially charged battery.
- Never leave a charging battery unattended.
- Allow it to cool before recharging.  
Note: When the weather is hot, your battery will only hold its charge for a limited time. Before using it or giving it as a gift, you can charge it a day or two in advance.
- The charge capacity of the battery is reduced with every charge. Frequent charging or the use of rapid chargers may cause your batteries to deteriorate more quickly. When the operating time becomes shorter and shorter, this means that the battery has reached the end of its life and must be replaced. For this reason, it is advisable to check the state and charge capacity of your batteries every 6 months and replace them immediately in case of doubt or failure.

#### 4. Battery safety instructions

##### **CAUTION:**

- The battery must only be removed when it is completely discharged.
- The battery must be removed from the device before the device is disposed of.
- The device must be disconnected from the mains power supply when the battery is removed.
- The battery must be disposed of safely.

#### 5. Battery removal procedure

Before commencing any operation relating to removal of the battery, ensure you are familiar with the safety instructions given above and follow them.

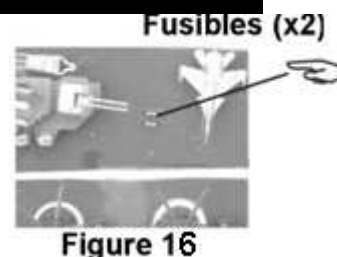
Then proceed as follows:

1. Remove the 2 screws located at each end of the aircraft carrier.
2. Pull strongly to separate the aircraft carrier in two.
3. When the battery is visible, cut the black and red wires.

### **E. TEST TO BE CARRIED OUT BEFORE LAUNCHING THE AIRCRAFT CARRIER ONTO WATER**

After fitting and installing the non-rechargeable and rechargeable batteries, conduct this test before placing the aircraft carrier on the water, to check that its motor is working correctly.

Test: Press your finger hard onto the two small fuses located on the deck (see figure 16). Then move the remote control joysticks. You will be able to hear the motor spinning.



**Figure 16**

Note: You do not need to touch the two fuses when the aircraft carrier is on the water. You only need the remote control to operate the aircraft carrier on water.

### **F. OPERATING INSTRUCTIONS**

#### 1. Recommendations before using your aircraft carrier

- NEVER sail the aircraft carrier on moving water, such as rivers or creeks.
- Keep a good distance from other boats to avoid collisions or crashes.
- Be alert for the eddies from the wakes of other vessels.
- ALWAYS sail your aircraft carrier a good distance from any animal or plant life.
- Choose calm weather with no wind to sail your aircraft carrier. The wind can create ripples that affect your aircraft carrier's performance.

## 2. Using the remote control to operate the aircraft carrier

Note: Before any operation, take all the measures listed in paragraph 1 above, "Recommendations before using your aircraft carrier".  
To manoeuvre the aircraft carrier, refer to the explanations given below.

a. Before starting operation, fully extend the remote control antenna.

Note: An antenna held horizontally provides transmission only from the end of the antenna. It is therefore an illusion to think that pointing the antenna at the aircraft carrier will improve reception quality.

b. Use the joysticks to operate the aircraft carrier, as shown below:

<b>Forwards</b>	↑↑ (Push both joysticks forwards)
<b>Reverse</b>	↓↓ (Pull both joysticks backwards)
<b>Left</b>	↓↑ (Pull the left joystick backwards and push the right joystick forwards)
<b>Right</b>	↑↓ (Push the left joystick forwards and pull the right joystick backwards)

### G. PROCEDURE AFTER USING THE AIRCRAFT CARRIER

After using the aircraft carrier, remove the two transparent plugs so that the vapour produced in the hold can escape. This will help extend the life of the aircraft carrier.

These two plugs are located at either end of the battery compartment. They are indicated by white arrows on figure 17 below.

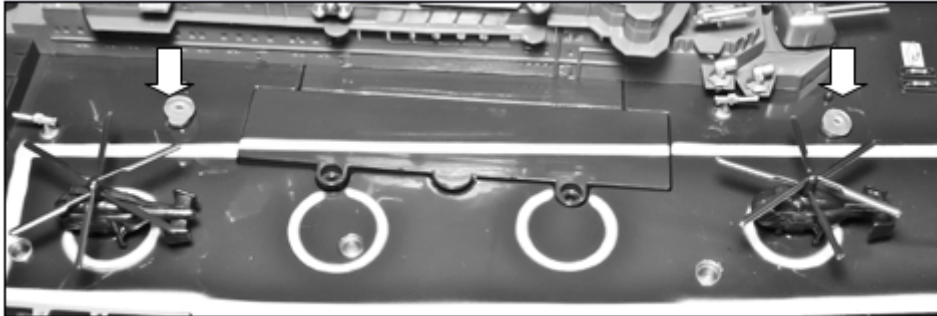


Figure 17

It is essential that the plugs are put back in position before using the aircraft carrier on water.

### I. TECHNICAL SPECIFICATION

- Input power: 230V AC, 50Hz
- Output power 9.6V DC, 250 mA
- Maximum speed: 6 kph
- Suitable for children over the age of 14 years.
- Remote control range: 80 metres (if there are any obstacles, this distance will be reduced to 50 metres. In this event, change course).

Be sure to keep the aircraft carrier within control range when you are using it, and do not go beyond it.

- Ni-Mh battery: 9.6V 700mAh
- Charger: 9.6V 250 mA
- Frequency: 27.145 MHz

## J. BATTERY WARNING

- Do not mix alkaline, standard (carbon-zinc) and rechargeable (nickel metal hydride) batteries.
- Do not mix new and used batteries.
- Do not try to recharge non-rechargeable batteries.
- Whenever possible, remove rechargeable batteries from the device before recharging them.
- Rechargeable batteries must always be recharged under adult supervision.
- Remove used batteries.
- Do not short-circuit battery terminals.
- Always use batteries of the recommended type or an equivalent type.
- When fitting batteries, take care not to reverse the polarity. Be sure to observe the correct polarity of batteries.
- Regularly check batteries for leaks.
- Do not disassemble batteries. This is dangerous and may lead to excessive overheating and consequent damage.
- Do not dispose of batteries in fire. Danger of explosion!

## K. CARE FOR YOUR AIRCRAFT CARRIER

- Protect your aircraft carrier from dust, dirt, damp and any foreign body. Never subject it to strong vibrations, heat or cold.
- If the the aircraft carrier, remote control or antenna get dirty, never use household cleaning products, solvents, petrol or water to clean them.
- Clean only with a soft, dry cloth.
- Avoid impacts and pressure of any kind. Regularly check the general condition of the aircraft carrier.

## L. TROUBLESHOOTING

Most problems can be resolved using the table below:

PROBLEM	CAUSE	REMEDY
The aircraft carrier does not move.	You are not using the correct type of battery in the remote control or you have not observed the correct polarity.	Check the type and polarity of the batteries.
	The remote control batteries have run out of power.	Change the batteries.
	The batteries are discharged.	Change the batteries.
Loss of control.	The remote control batteries have run out of power.	Change the batteries.
	The batteries are discharged.	Change the batteries.
	The antenna is not in place or has not been correctly fitted.	Correctly fit the antenna and extend it to its full length.
	Another R/C model close to you is using the same frequency as you.	Choose another place or a different time to operate your model.
	There is a main road or steel pylon near you.	Choose another place to operate your aircraft carrier.
The model runs too slowly.	The batteries are discharged.	Change the batteries.

Adults please note: Keep the plastic fasteners away from children. If they are of no use to you after you have unpacked the aircraft carrier and accessories, use scissors to cut them off and then throw them away.



Not suitable for children under the age of 36 months. Contains small parts that could be swallowed. Keep this information and manufacturer's address.

**WARNING: You should not dispose of this device with your household waste. A selective collection system for this type of product is implemented by your local authorities. Please contact your local authorities to find out how and where collection takes place. These restrictions apply because electrical and electronic devices contain dangerous substances that have harmful effects on the environment or on human health and must be recycled.**

This symbol indicates that electrical and electronic devices are collected selectively. The symbol shows a waste container crossed out with an X symbol.

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