## Spare Parts List

| | | | |
|---|---|---|---|
| Canopy | Main Blades | Tail Blade | Controller |
| Li-Po Battery | Stabilizer | Main Motor | Tail Motor |

Further Details
For more information and tips please visit our website

### Waste Batteries Removal

Follow the below steps to remove the Li-Po battery safely.

Turn off the R/C helicopter | Loosen the screws on the canopy | Pull out the canopy from the plastic strips.

Take off the canopy | Loosen the screws on the plastic frame. | Unplug the plug wire which connected to the Li-Po battery.

**www.woddontoys.com**

CE 0890 RoHS

## Welcome to Woddontoys

Congratulations on your purchase of this state-of-the-art helicopter. The helicopter uses the latest technology in electronic and battery to give you a fantastic flight experience you will not forget.
**Remember** – Although the Salvation 10 is designed to be easy to fly and extremely stable in the air, it is an aircraft and so it will take time to master. Please refer to the user manual for tips on take-off / landing and also trim control adjustment. Always practice a few feet above the ground and master your take-off and landing before trying to fly forwards / backwards. You are more likely to need spare parts if you do not master the basics first!

**Warning with regard to placing the product**

- Do not use this product in an environment where it is exposed to extreme heat or cold, to dust or to damp.
- Avoid placing the product in an area that is not properly ventilated; do not cover the product and do not place it on carpeting or similar surfaces.
- Do not place cables behind the product's support. If the cables move (for example as a result of stumbling) the product can fall to the floor!
- Do not expose the product to direct sunlight, fire or other sources of heat that have an extreme effect on the temperature.

**Intended use**

1. The Salvation 10 is delivered 'ready to fly' and does not need to be charged before your first flight. When you first receive it DO NOT CHARGE IT, JUST FLY IT. When the helicopter will no longer take off from the ground, LEAVE FOR 5 MINUTES FOR BATTERY TO COOL BEFORE CHARGING, the charge it (as per the charging instructions shown on Page 7.)
2. The Salvation 10 is delivered with partial-charged Li-Po battery separately, and never over charge the battery. Normally, for first few charges, will take you 3-4 hours. Then about 90-120 minutes for a full charge. Once the light appears on the charging plug, switch off the charger at the mains and remove the charging cable from your battery LEAVE FOR 5 MINUTES FOR BATTERY TO COOL BEFORE CONNECTING AND FLYING.
3. Changes or modifications of this helicopter is not permitted except the technicians assigned by Woddontoys, as this may lead to damage to the product. In addition, it can involve other risks such as short circuit, fire, electric shock, etc.

NO PART OF THE PRODUCT COULD BE MODIFIED OR CONVERTED BY THE UNAUTHORIZED PERSON.

**⚠ The safety instructions contained in this manual have to be observed without fail!!**



## Gyro function

THE FOLLOWING IS JUST SUITABLE FOR Salvation 10 WITH GYROSCOPE
Gyros in rc helicopters are most commonly used to control unwanted movement on the yaw axis. When an rc helicopter rotates on its yaw axis, the direction the nose points (the heading) changes. The yaw gyro's job is to sense any undesired rotation around the yaw axis (clockwise or counterclockwise rotation when viewed from above), and to automatically correct the orientation of the rc helicopter. THE GYRO WILL ENABLE THE HELICOPTER WITH STABLE FLIGHT.

## Trouble diagnoses

| Problem | Cause | Solution |
|---|---|---|
| No function to controller | Power switch is turned OFF | Switch 'ON' controller and helicopter |
| | Low battery in the helicopter | Charge battery in helicopter |
| | Low battery in the controller | Replace battery in controller |
| | Controller needs to be 'armed' | Push left hand lever fully forward then fully backwards |
| No control of helicopter | Controller is turned OFF | Turn controller 'ON' |
| | Controller antenna is not turned in / extended | Check antenna is extended and fully extended |
| | Strong windy day | Do not fly it in strong wind in this will have a disturb your control |
| Helicopter is not flying high enough | Blade speed is too slow | Ease the left throttle stick further forward |
| | Battery is not fully charged | Recharge your helicopter/see 'Charging Salvation 10' section |
| Helicopter tends to capsize | Left throttle stick moved too quickly | Gently move the left throttle stick backwards when landing.Remember to give a slight burst of power just prior to touch down |
| Helicopter spins / flies off course | Trimming adjustment | See 'Trimming Salvation 10' section |

## Technical Data

Product Size: 93.5cm X 15.5cm X 23cm
Operation Range: 30m
Fly time: 7-8 minutes
Charging time: 120 minutes
Frequency: 27MHz
Operating voltage for the controller: DC (9xAA) (not included)
Battery for helicopter: 7.4V 1100mAh Li-Po
Channel: 3CH can fly backwards/forward, left/right, up/down



## Flying tips

1) You can expect a flight time of 7-8 minutes after fully charging the battery.

2) When taking off, do not move the right throttle stick too slowly as this will cause the helicopter to hopping around. Move the right throttle stick smoothly and at one discovery the moment until the helicopter takes off. Be smooth with your movements.

3) When landing, give the helicopter a burst of power just before touch down to slow its descent and land smoothly.

4) Until you get used to 'control reversal', always try to fly the helicopter with the nose pointing away from you. By doing this, the movement of the helicopter will be the same as the movement of the right hand lever, e.g. move stick right to turn helicopter right.

5) Salvation10 has a range of up to 30m. Be aware that the presence of electrical interference from lights and wires may reduce this range.

6) During your first few flights, try to keep the helicopter close to the ground. This will allow you to cut the throttle and safely land if you become disorientated.

7) Always turn the Salvation 10 off immediately after flight.

8) After flying and before recharging, always turn the Salvation 10 and controller off.

9) When not in use, the battery should be disconnected to avoid the battery completely discharging.

10) Recharge the battery before putting it away.

11) Check for any damage, examine everything including the blades, landing gear, tail blade and body of the helicopter. If anything is damaged it must be repaired before flying again.

12) To avoid damage to the motors, always turn the throttle off if the blades become entangled in anything or are prevented from turning otherwise motors may burn out!!



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Caution: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
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, and (2) This device must accept any interference received, including interference that may cause undesired operation.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

The adaptor be periodically examined for conditions that may result in the risk of fire, electric shock, or injury to persons and that, in an event such conditions, the adaptor should not be used until properly repaired.



## Safety instructions

Read the user manual completely before commissioning, then refer to below important information for correct operation.

1. To ensure safe operation, the user must comply with the safety instructions and warnings contained in this manual.
2. The charger is designed in compliance with protection class, ensuring that the insulation (of the housing or the output cable) is neither damaged nor destroyed.
3. The charger should be kept out of the reach of children!
4. In schools, training centers, computer and self-help workshops, etc., the use of charger and accessories must be supervised by trained personnel in a responsible manner.
5. Avoid charging operation under adverse ambient conditions. This can lead to damage to the sensitive electronics on the inside of the charger and thus to possible danger for the life of the user. Adverse ambient conditions are:
   - excessive humidity (>75% relative, condensing )
   - wetness and dampness, petrol
   - dust or combustible gas, vapour or solvents
   - excessive ambient temperature (>approx. + 40 °C )

In the case of incorrect handling (excessive charging or incorrect polarity), the charger may be overcharged or destroyed. In the worst case, the charger can explode and in doing so cause appreciable damage.

6. Never unplug the plug-in power unit from the mains socket by the connecting cable! Only hold it by the housing when disconnecting it.
7. Keep transmitting devices (mobile telephone, radios, etc.) away from charger, the transmitter radiation arose can lead to interference in charging operation or to destruction of the charger.
8. Never connect your charger to the mains voltage immediately after it has been taken from a cold room to a warm one. The resulting condensation could, under adverse circumstances, destroy the device. Allow the device to reach room temperature before connecting it to the power supply.

**Never touch the charger with wet or moist hands. There is the risk of a fatal electric shock!**



## Battery care information

Your Salvation 10 is powered by dedicated Li-Po battery. Li-Po battery is not replaceable.Do not attempt to disassemble the battery or replace with any after-market model.
1) Use only batteries recommended in this user manual. Ensure that batteries are installed with the correct polarity.
2) Batteries should be installed under adult supervision.
3) Never allow the battery to become hot during charging.
4) Never leave the battery charging overnight-switch off once the LED lights on the charger.
5) Never use an after-market charger as this can damage the battery.
6) Do not short circuit the charging terminals.

**PLEASE RETAIN THIS INFORMATION FOR FUTURE REFERENCE.**

**Always :**

- Make sure battery compartment is secure.
- Use batteries of the correct size and type.
- Fit batteries correctly observing the plus and minus marks on the battery and compartment.
- Replace a whole set of batteries at one time.
- Remove dead batteries from equipment.
- Remove batteries from appliance that will not be used again for a long time.
- Please remember that small button cells and AA batteries should be kept away from children as they could be easily swallowed. Seek medical advice if you believe a cell has been swallowed.

**Never :**

- Mix alkaline batteries, standard(carbon-zinc) or rechargeable(Nickel-Cadmium) batteries.
- Mix old and new batteries.
- Dispose of batteries in a fire.
- Attempt to recharge ordinary batteries.

For users who is willing to protect the environment.
The consumer has a significant role to play in reducing the impact of waste electrical and electronic equipment on the environment, through re-using or recycling such equipment.

Some of the components used in electrical and electronic equipment may contain hazardous substances that can damage the environment and present a risk to human health if not properly disposed of.

The crossed out wheelie-bin symbol on the controller is to remind you that waste electrical and electronic products should not be disposed of with household waste. If you are unable to re-use or recycle your product it should be disposed of at a civic amenity site. Alternatively, you may take your old product (of similar function) back to the store where you purchased your new product within 15 days of purchase. You must take proof of purchase of your new product when returning your old product to the store.

**If the blades are damaged, it may not be repaired but has to be replaced with a new one. Broken plastic parts can be sharp-edged. For your own safety, use protective gloves.**



## Charging Salvation 10

1. Ensure the helicopter is switched off.
2. Plug the AC charger into a wall socket, and ensure socket is turned on. The indicator light on the adapter shall turn RED.
3. Connect the battery plug of helicopter to the charger socket, the indicator light on the adapter still keep RED. Kindly noted that the clue will be easily connected to the socket and does not need to be forced together as it only fit one way as shown in the illustration shown.
4. If the Red Charger Indicator disappear , please check following:
   A. If indicates that the connection goes wrong;
   B. or the error with battery, please check the whether the battery has been damaged,
   C. the adapter is damaged.
5. Charging is complete when the indicator light turn Green.
6. Switch off the AC charger at the wall socket and remove the battery plug from the charger socket.
7. Leave the battery for 5 minutes to cool.
8. It will take 3-4 hours for full charge for the first few times, and then only take 120 minutes for a full charge.

Charging: Plug the AC charger into a wall socket as store in the illustration, do not force.

### Charging information

1.Power connected: The indicator light on the adapter will turn RED.
2.Connected correctly ( Do not force ): The indicator light on the adapter will turn RED when charging.
3.Charge time: About 120 minutes.
4.Charging complete: The indicator light on the adapter will turn Green.
**Do not leave during the charging.**

### Notes

1) Never leave your Salvation 10 charging near a fire or other source of heat.
2) Never leave the Salvation 10 unattended during charging.
3) Always disconnect from the mains once fully charged, do not leave to 'trickle charge' as this WILL DAMAGE THE BATTERY.
4) Never disassemble the charger.
5) Only use the charger supplied with the Salvation 10.
6) NEVER STORE BATTERY WITHOUT CHARGING FIRSTLY, this will damage the battery. Always charge for 10 minutes minimum after use.



## Unpacking and storing Salvation 25

The Salvation 25 helicopter is fastened securely in place to avoid any damage during transit. The Salvation 25 is a delicate device so you must be careful when removing it from the package.
Ensure the contents are complete with:

| | |
|---|---|
| 1)1×Helicopter | 5)1×Instruction manual |
| 2)1×AC charger | 6)1×Screwdriver |
| 3)1×Remote Controller | 7)4×Main Blades |
| 4)1×Antenna | 8)1×Tail Blade |

Packaging box should be kept for proper storage of the helicopter after each use.
**Warning:** Improper storage of the helicopter may result in the blades bent or warped. This will decrease the flight performance.

## Getting to know Salvation 10

## Assembling Salvation 10

The Salvation 10 helicopter is delivered fully assembled and only requires some assembling as follow:
1. Insert the telescopic antenna into the aperture on the front of the remote control and screw it tight clockwise (pic.1)
2. Install batteries.
   1) Open the cover of battery compartment
   2) Take out the battery cage which is inserted in the controller, and then install 8 (AA) Alkaline batteries in the batteries cage of 2 sides following the correct indicated polarity (pic.2)
   **Notice:** When the power indicator light goes off it means the power is running out, you should review the batteries.

## Secure the Flight Area

Your Salvation10 is designed for outdoor playing only. Allow a clear space around you in all direction, 6 meters at least. As the Salvation 10 is a bit powerful when playing, so keep in mind that only play it away from human beings or animals.

- For outdoor flying only
- Start from a flat surface
- Keep away from any obstacles
- Avoid any windy conditions
- Keep your eyes on the helicopter and be sure the helicopter is within your eyesight
- Adults accompany flying is required and children flying alone is prohibited
- Be sure that there is no same helicopter in the same room
- Keep away from any hard obstacles to avoid any unnecessary damages

## Flying Salvation 10

**Preparing to take off Salvation10**

1) Extend the antenna on the Radio Controller and switch the controller 'ON'.

2) Switch the helicopter on ('ON/OFF' switch on the left side of main body)

3) Place the helicopter on a flat, hard surface with the tail pointing towards you and the nose facing away from you. Extend the blades separately, or it maybe entangle each other and cause blade breaking, or burn out the motor.

4) Make sure the left throttle lever to the lowest position firstly, and then move it fully forward and backward. By doing this, the controller will be armed and connected to the helicopter, while the red LED keep stable lighting.

**Taking off Salvation 10**

1) Move the left lever slowly forward - the blades will start to spin.

2) As you move the left lever past the halfway point, the helicopter will lift off.



3) To ascend, move the left lever further forward.To descend, slowly move the left lever backwards.





**Steering Salvation 10**

1) To turn the nose of the helicopter left, move the right hand lever to the left.
2) To turn the nose of the helicopter right, move the right hand lever to the right.
3) To fly the helicopter forwards, move the right hand lever forwards.
4) To fly the helicopter backwards, move the right hand lever backwards.

**Landing Salvation 10**

To land the helicopter, slowly move the left lever backwards.

## Trimming Salvation 10

The Salvation10 is fitted with one trimmer control. This will allow you to adjust the flight of the helicopter and cease any unexpected turning tendencies.
If the helicopter spins, you need to use the TRIM control to adjust the flying.
Push the left lever and keep the helicopter flying upwards between 0.5 meter to 1 meter.
1) Turn the TRIM to leftwards if the helicopter spins right.

2) Turn the TRIM to rightwards if the helicopter spins left

**After trimming adjustment, you can also use the right lever to adjust the direction and stop the spinning if you still can not keep the helicopter flying stably after the TRIM adjustment.**

For more details, welcome to http://www.woddontoys.com



隐实线为切纸　　封面四色，内页单黑，双面印刷
黑虚线为折线　　成品尺寸：147mm x 210mm

文件说明