



Congratulations on your purchase of the RoboCopter. Your RoboCopter comes complete and ready to fly (except 4× AA transmitter batteries) so you can start to fly as soon as you have fully read the instruction manual and have charged the in-built flight battery.

Key Features:

- *Advanced 2.4Ghz radio control system with digital trims
- *Proportional throttle and steering control (2 channels)
- *Computer designed figure
- *Durable foam body
- *Built-in Li-Poly battery for longer flight duration
- *Recharging via the in-built transmitter charger

Damage Limits:

Yuneec International Ltd. (described as Yuneec below) shall not be liable for special, indirect or consequential damages, loss of profits or production or commercial loss in any way connected with this product, whether such claim is based on contract, warranty, negligence, or strict liability. Further, as Yuneec has no control over use, setup, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury.

By the act of use or setup, the user accepts all resulting liability and responsibility.

Safety Precautions:

Warning: Any change or modification to this product without written approval by the party responsible for compliance is prohibited.

Choking hazard: Includes small parts, not for children under age 8.

Keep everything, especially hair, away from the main rotors and tail rotor when RoboCopter's power is on.

Make sure the transmitter and RoboCopter have their power turned 'OFF' when not in use.

Keep your RoboCopter in sight at all times when flying.

Do not attempt to charge any battery other than the specified built in one with the charger in the transmitter.

To help to protect your RoboCopter from damage, remember to close the throttle (pull the throttle stick down) immediately to stop the rotors if your RoboCopter falls over or hits something.

FCC Statements

This device complies with part 15 of the FCC rules. Operation is subject 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.

NOTE: 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.

Battery Cautions for the RoboCopter in built Li-Poly battery :

*Only charge the battery with the in built Transmitter charger. Always carefully follow the charging instructions as described below.

- * Do not over-discharge or over-charge the battery.
- * Do not short-circuit, drop impact or penetrate/pierce the battery.
- * Do not put the battery in a fire or near heat.
- * Store the battery in cool dry place and out of the reach of children.

Transmitter Cautions:

- * Always use of the same brand alkaline AA batteries. Do not mix brands or types of batteries.
- * Do not attempt to charge alkaline non-rechargeable batteries.
- * Rechargeable batteries should be charged under adult supervision.

Notes for Adults:

- * Examine the RoboCopter carefully for any possible damage prior to every flight. Do not attempt to fly until all damage has been repaired.
- * Adult supervision is required when a child is charging the battery in the RoboCopter or installing/replacing the batteries in the transmitter.

Special Caution: Do not touch the PCB (receiver) on your RoboCopter with anything, especially metal, to avoid any unnecessary damage. This is not a consumer serviceable item.

Notes for Maintenance:

- *Remove the transmitter batteries if you are not going to use this product for a long time.
- *Clean the transmitter's surface with a dry soft cloth if it is dirty. DO NOT use any water or spray cleaner on the transmitter.
- *Store this product in a cool dry place.
- *Replace the batteries in the transmitter when you hear the low battery alarm (beeping sound). If you do not replace the batteries in time, you could lose control of your RoboCopter or crash it.

Main parts:

1. Main rotor
2. Stabilizer
3. Connecting shaft
4. Tail rotor
5. Charging port
6. Landing gear

7. Balance weight
8. Steering trim
9. Steering Stick
10. Throttle Stick
11. Power indicator
12. Power switch

How to charge:

Transmitter battery installation:

Open cover—Install 4*Batteries (Check polarity)—Close cover

Charging the flight battery with the transmitter:

Open the cover—Charge Socket—Connect transmitter charge plug to socket (Match Red dot to Red dot)

Charging your RoboCopter:

The RoboCopter's charger has unique peak detection circuitry that ensures an accurate charge every time and protects your battery from the dangers of over charging. During the charge cycle it continually monitors the battery's charge curve and automatically stops charging when the peak/full charge is detected.

1. Make sure the transmitter and RoboCopter power switches are turned ‘OFF’ before charging.
2. Plug the transmitter charge lead (found in the bottom of the transmitter) into the charging port on the RoboCopter. Match the ‘Red Dot’ on the charging plug to the ‘Red Dot’ on the RoboCopter charge socket (see picture opposite).
3. The LED indicator on the transmitter will glow ‘Solid’ when the battery is being charged and then ‘Flash’ when the battery is close to full. The LED will ‘Go Out’ when battery is fully charged.

Lifting off for the first flight:

1. Pull the throttle stick down to the bottom of its travel and then turn ‘ON’ the transmitter.
2. Keeping everything clear from the rotors turn ‘ON’ the RoboCopter power switch. The rotor will pulse once.
3. Place the RoboCopter on a smooth surface with the tail pointing towards you.
4. Quickly push the throttle stick up to just over half way, the main rotor will spin up and Robocoper will take off. Climb meters high and hold at that height. Remember only small, smooth movements of the throttle stick are required.

Making Flight Adjustments - Trimming: (RoboCopter turns left or right)

5. Once in the air if you notice that your RoboCopter wants to “wander/turn” to the left or right on it's own, some trim adjustments may be necessary.

The steering trims make small adjustments direction RoboCopter is turning.

Turns right - Trim left. Turns left - Trim right. to RoboCopters direction. If the nose (front) turns right press the opposite trim to the

Turns right Turns left Trim right Trim left Flight control: For smooth control of

RoboCopter always make small control movements.

Gaining or losing height: When your RoboCopter is stable in the air, gently push/pull the throttlestick

up/down to make it fly higher/lower. Turning left and right: After you are proficient in controlling the flying height of your RoboCopter, try turning left/right by moving the steering stick to the same direction. The RoboCopter has a balance weight on the carbonboom to adjust the flight speed. The recommended position at the rear is for slowest forward speed. As you become more experienced slide the adjuster progressively towards the front to increase the forward flight speed.

Flight Tips:

- *The RoboCopter will speed up/gain height turning right and slow down/lose height when turning left.
- *For ground take off, put the RoboCopter on a smooth surface and quickly push the throttle stick up to lift off.
- Flying from rough ground may result in a clumsy take off or even cause the RoboCopter to fall over.
- *Do not look at the transmitter when flying focus completely on the RoboCopter.
- *RoboCopter is recommended for indoor flight only. Close windows and turn off airconditioning to maximize control and stability.

Because RoboCopter is so light weight if you fly over a chair or a table the reflected air draft from the object can destabilize RoboCopter. It is a fault, different surfaces will effect the flight characteristics.

- *Please ensure you have enough space to fly your RoboCopter. (4x5x3 meter minimum is recommended)
- *After each flight, rest the flight battery for 1 minute prior to recharging in order to extend the battery life. This time will allow the battery to cool down before recharging.

RoboCopter 'Turned on' Alarm:

- *Always 'turn off' the RoboCopter before 'turn off' the Transmitter.
- *If the transmitter is 'turn off' and the RoboCopter left 'turned on' the red control Led will start to flash. After 30 second the RoboCopter will start to make a 'Beeping' sound and the rotor blades will pulse. Immediately turn off the transmitter to avoid over discharging the in built Li Poly battery.

Warnings and Safety:

- *Never fly near people, pets or furniture.
- *When flying the RoboCopter ensure you are a safe distance from any people.
- *Adult supervision is recommended for ages 12 and under.
- *Keep the main rotors away from clothing or body parts even when not rotating as they could be turned on by accident.

Binding procedure for 2.4G radio:

The RoboCopter utilizes advanced 2.4Ghz radio control technology which requires a binding procedure prior to flying if the original transmitter or RoboCopter is lost/broken and replaced with a new one.

Please note: The RoboCopter and transmitter set sold together in the box were already bound to each other by the manufacturer. There is no need to 'bind' RoboCopter and transmitter together prior to use.

With the RoboCopter and transmitter 'turned off' press down the left steering trim button and then holding it down 'turn on' the transmitter. Next release the left steering trim and you will hear a string of beeps be~be~be~be~. While the transmitter is beeping turn on the RoboCopter, wait for 2 seconds, then move the steering stick to one side. The beeping will stop and the binding procedure is complete when the red LED indicator on the receiver board glows solidly. The rotor may also pulse once.

Troubleshooting:

Problem	Possible Cause	Solution
	1. Transmitter "AA" batteries are depleted or or Unit does not operate batteries	1. Check polarity installation replace with fresh "AA"
	installed incorrectly as indicated by the Low-battery alarm	
	2. RoboCopter battery is not charged 3. A crash has damaged the RoboCopter 4. RoboCopter is not turned 'on'	2. Fully charge the battery 3. Replace the RoboCopter 4. Turn 'on' the RoboCopter
RoboCopter won't lift	Running out of flight battery	Recharge battery
Loss of control	Running out of transmitter battery	Replace transmitter battery

Please keep this Instruction Manual for future reference.