

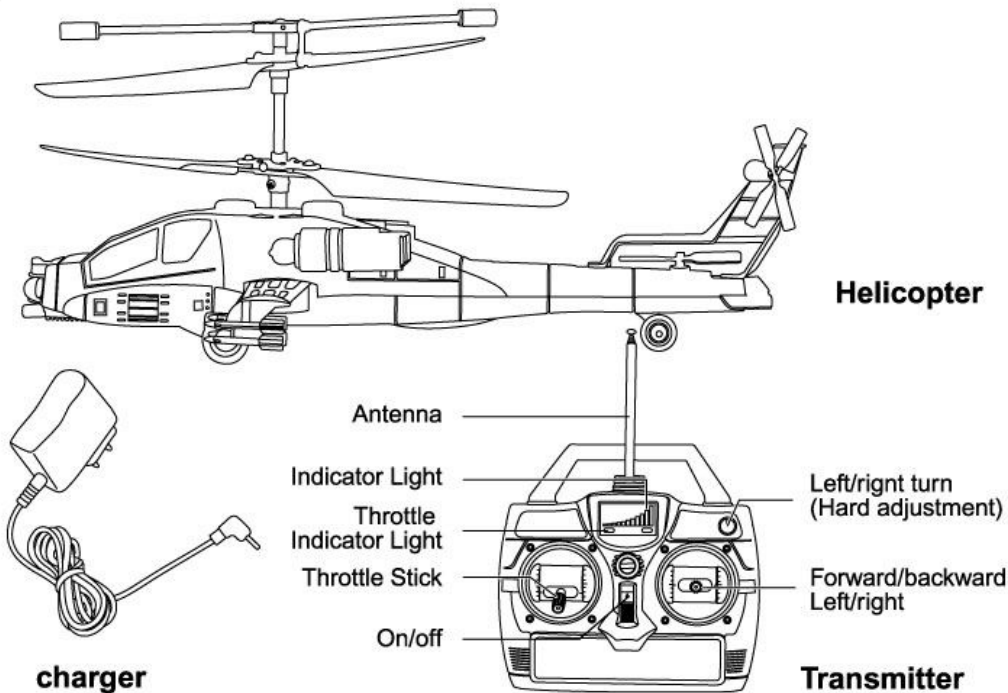


# R/C HELICOPTER OPERATING INSTRUCTIONS

1. Intelligentized R/C system.
2. Full scale remote control.
3. 360°exact directional.
4. Smooth hang performance.
5. Newly designed electricity saving function.
6. Safeguard battery model to prolong the uses life.
- 7.(3-channel upgraded version) built-in electronic gyroscope

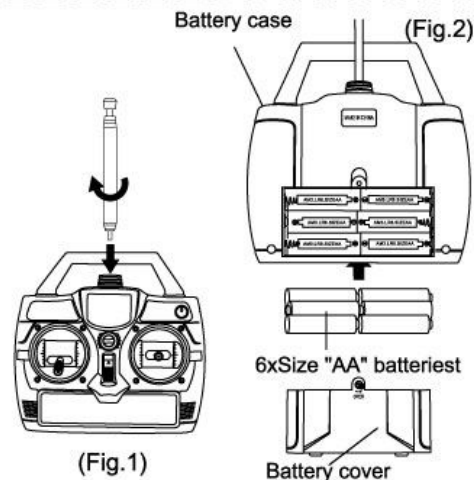
Main rotor diameter:	250mm	Control distance:	Approx. 20-30m
Length:	310mm	Frequency:	27MHz/40MHz/49MHz
Machine height:	130mm	Battery (helicopter):	DC 3.7V output 650MA
Charging time:	Approx. 70-80min	Battery (transmitter):	AA 1.5V×6 (not included)
Flying time:	Approx. 5-8min	Charge:	AC:110/240V 50/60HZ;DC:3.7V 400MA

## INCLUDED PARTS NAME:



## ASSEMBLY TRANSMITTER:

1. Antenna Installation: Turn the antenna clockwise to install it to the fixing position on the transmitter. (See Fig. 1)
2. Battery Installation: Open the battery cover on the back of the transmitter and follow the polarity marks in the battery compartment to load in 6 AA alkaline batteries (not included). (See Fig. 2)
4. After correctly installing batteries in the transmitter, set the main switch on it to ON. The green power indicator will start to flash. Push the left lever (throttle) upward to the upper limit and then pull it back to the neutral position. The power indicator will stop flashing and remain on. When the throttle lever is pushed upward to a certain level, the corresponding throttle level indicator will light up. There're totally 5 throttle level indicators, colored from green to yellow to red (max.)
4. When the battery power in the transmitter becomes insufficient, the power indicator will keep flashing. In such case, replace the batteries with new ones..



### NOTICE:

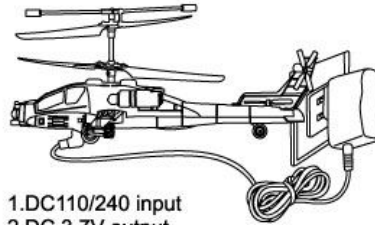
1. Install the battery must recognize the battery and battery box is precise.
2. Do not mix old and new batteries together when in use.
3. Please don't mix different types of batteries when in use.

## CHARGE:

Turn off the helicopter, plug the charger in an AC power outlet, and insert the charging cord of the charger into the charging socket underneath the helicopter. The red indicator on the charger will then light up, indicating it's charging the helicopter. When the battery in the helicopter is fully charged, the green indicator on the charger will light up.

### Attention:

1. Make sure the voltage and connector plug of adapter tally with the local charging standard.
2. The battery pack will become warm when charging excessively. It is harmful for the battery pack and would even make the battery pack damaged, please stop charging under this situation.
3. Player should stand aside as the plane in the process of charging.
4. This adapter adopted the advanced balance charging model for safety, please do not use other type of adapter in order to avoid explode.
5. The battery pack would become very hot when the plane finish flying, please wait at least 30 mins for continue charging in order to protect the battery pack.
6. Do not throw the battery pack into fire for avoid explode.



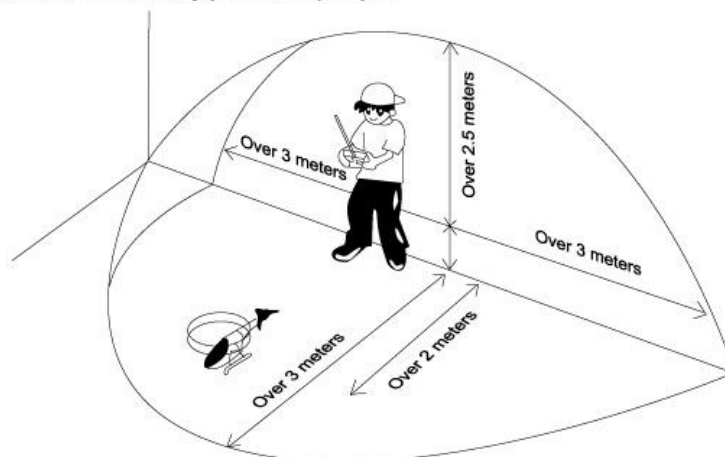
- 1.DC110/240 input
- 2.DC 3.7V output
- 3.It takes around 70-80 minutes to fully charge the battery

## WARNING

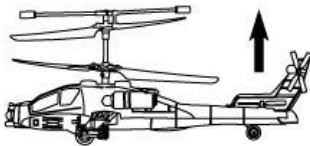



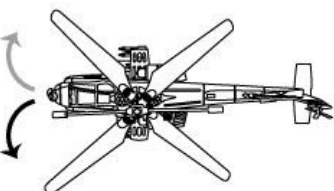



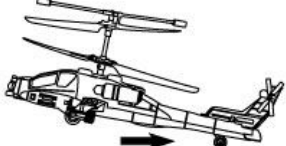

when you are tired of playing, please pull out the connecting plug to avoid the battery overdischarge, if the linker keeping to connected, it may cause the overdischarge as the battery long time power wasting.

## ENVIRONMENT FOR FLIGHT:

- 1.Fly on a sunny day,without wind.
  - ① Do not fly in extreme temperature.  
Do not fly in temperature above 113 degrees Fahrenheit.Flying in extreme heat and/of cold will affect performance and may damage the model.
  - ② Do not fly in strong wild.  
Windy conditions will limit,or disturb the flying control.In very windy conditions, your helicopter may become lost and/or damaged.
- 2.Choose in the wide indoor flight,and make sure that no obstructions nearby,pets and people.



## CONTROL METHOD:

Ascend	When you push up the left stick(throttle stick),the spinning speed of the main rotor blade increase and the helicopter begin to ascend.		
Descend	When you pull down left stick(throttle stick),the spinning speed of the main rotor blade is decrease and the helicopter begin to descend.		
Steering	1.When the right stick(rudder stick)is moving to left,the head of the helicopter turns to left. 2.When the right stick(rudder stick)is moving to right,the head of the helicopter turns to right.		
Forward	When you push up the right control lever(steering rudder), the nose incline to down, the helicopter is moving to forward.		
Backward	When you push down the right control lever(steering rudder), the nose incline to up,the helicopter is moving to backward.		

## SPECIAL PROMPT:

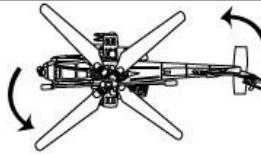
If you have not pushed the rudder joy stick,the helicopter is still revolve in the air,then you can move the rudder adjusting knob until it stop revolving. (If helicopter is revolving in the air yet you do not make action to the rudder,you can move the rudder adjusting knob by counterclockwise, Otherwise adjust by clockwise direction;If adjust the rudder adjusting knob is useless, make the helicopter landing,turn off the power on it. Then you turn on the power of helicopter and launch it,adjust the rudder adjusting knob.)



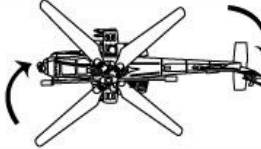
## NOTICE:

When the airplane away from the ground in 30cm position,the helicopter will suffer by itself blade vortex to became unstable,we call it "effect response",when the helicopter weight lower,and the "effect response" affect will be bigger.

when the helicopter is turning to left,  
please push the rudder trim to right  
slowly until the helicopter is still

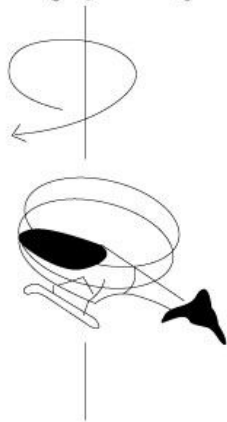


when the helicopter is turning to right,  
please push the rudder trim to left  
slowly until the helicopter is still.

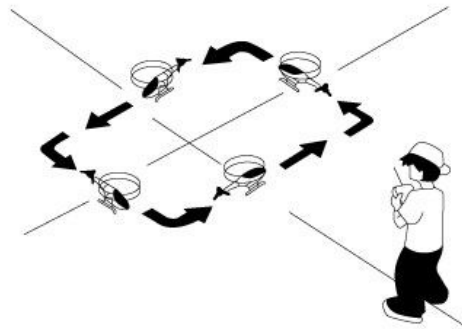


### FLYING PRACTICE:

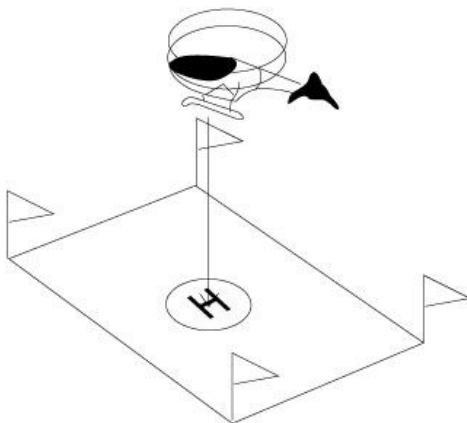
After the enough practice, you can attempt following flying practice.



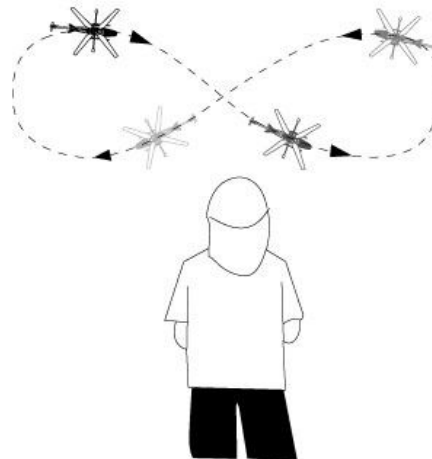
1. Fixed revolves(direction revolve)



2. Always go forward and turn left, and exercise flight in a square pattern, then repeatedly practice to gradual practice flight in a rotundity.



3. Landing at the appointed place(fixed landing)



4. number 8 flight

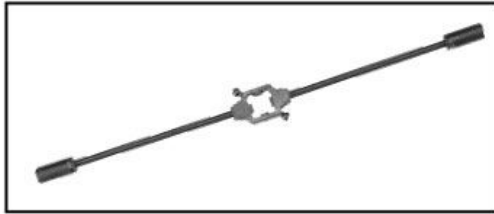
## TROUBLE SHOOT AND DEALING WIT:

PROBLEM	CAUSE	CHECK THIS
Controller will not start	1. Controllers power switch is "OFF".	1. Turn power switch "ON".
	2. Insert batteries into controller improperly.	2. Confirm batteries be inserted according to their pole.
	3. Batteries lack of power.	3. Change new batteries instead.
Can not control the helicopter	1. You haven't operated the controller.	1. Turn controller power switch "ON".
	2. Doesn't turn "OFF" controllers power switch.	2. Turn helicopters power switch "ON".
	3. Doesn't wrest antenna into controller completely, or antenna isn't fully pulled out.	3. Wrest antenna completely and pull it out.
	4. You play the helicopter in strong winds weather.	4. Do not play the chopper in winds, which can confuse your control.
	5. The indicator light of controller is twinkle.	5. Pulling the power control rod upwards, then again return to pulling to the lowest, or change battery.
Helicopter can not rise	1. Main rotor blades rotate too slowly.	1. Pull up the throttle stick.
	2. Doesn't fully charge helicopters battery.	2. Full charge helicopter battery. (see instruction above)
Helicopter land too fast.	You loose the throttle stick or pull it sown too fast.	Slowly pull down the throttle till the chopper landing smoothly.

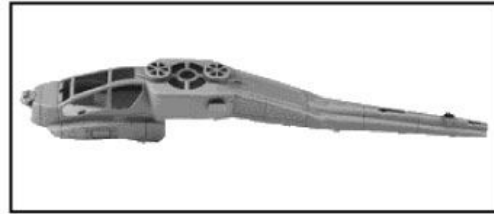
### CAUTION:

1. The control distance will shorter when the quantity of electricity is not full.
2. When the quantity of the electricity of the helicopter is not full, the helicopter will difficulty or the height of fly is not enough.
3. If the helicopter become damaged, deformation, please repaired in time.
4. If you don't use the transmitter for a long time. Remove all batteries out, in order to avoid the battery leakage to damage this product.
5. Don't drop the helicopter from high position or crash it seriously, because that will damage it seriously or shorten the using time.

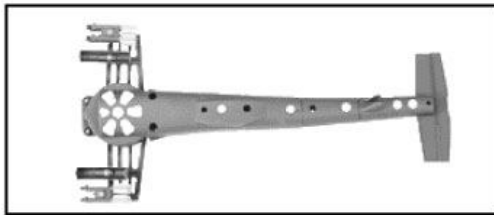
## PARTS ARE ALTERNATIVE:



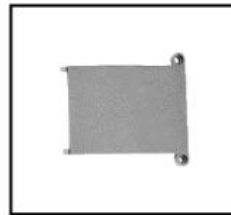
Balance bar (01)



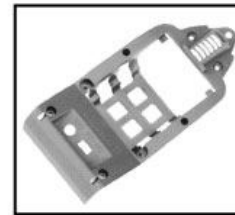
Fuselage (02)



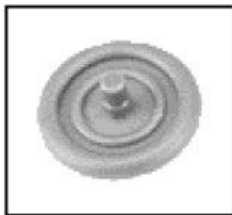
Chopper tail unit (03)



Battery cover (04)



Battery box (05)



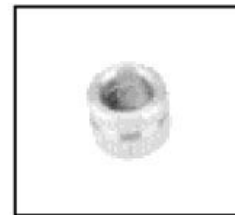
Gear (06)



Aluminium collar A (07)



Aeara (08)



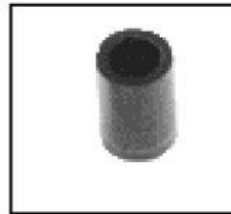
Aluminium collar B (09)



Bearing 7x4x2 (10)



Bearing 5x2x2.5 (11)



Bearing set collar A (12)



Bearing set collar B (13)



Front motor set (14)



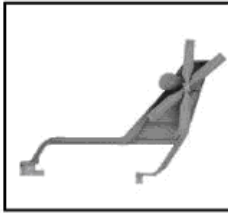
Rear motor set (15)



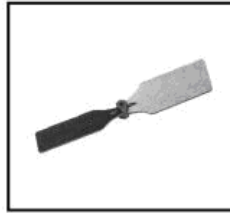
Charger (16)



Connect buckle (17)



Tail rotor rack (18)



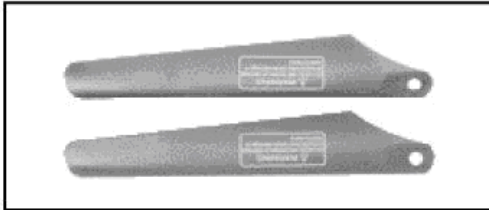
Tail blade (19)



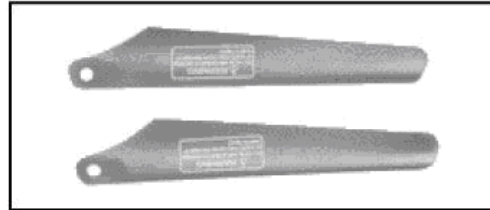
Main blade grip set (20)



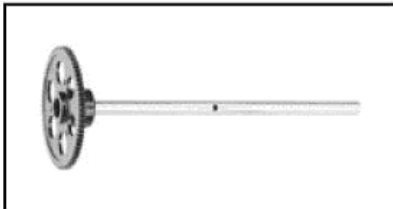
Inner shaft b (21)



Main blade A (22)



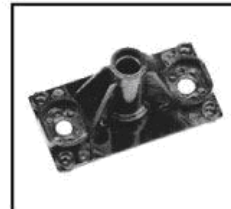
Main blade B (23)



Gear set (24)



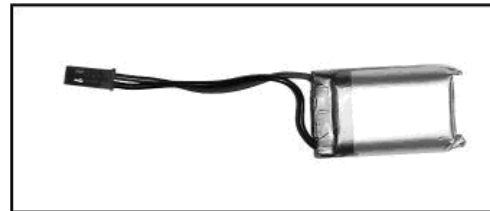
Inner shaft (25)



Main rotor support (26)



Ex-round (27)



Battery (28)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**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.