C187

BETRIEB SANLEITUNG/
USER MANUAL

RC REA®

■ Please read the manual to learn the function of the this product before operation. Damage to the product and potential personal injury may occur if you make an operational error.

This is a RC helicopter, not a toy. You should not only have a prudent operation, but also to have an operational basis. All children using it should be under adult supervision. The manual includes safety, operation and maintenance. In order to avoid causing damage or serious injury, please obey the instructions and warnings before you using this product.

Additional Safety Precautions And Warnings   **C187**

1. Recommended age of users: Not suitable for children under 14 years old.
2. Operate it in an open space, away from the traffic and people.
3. Obey the instructions and warnings, includes the use of optional equipment.
4. It has to stay away from chemicals. Small parts and electric equipment must be out of the reach of children.
5. Keep away from water because this product has no waterproof function.
6. Do not put any parts in the mouth, it will cause injury or death.
7. Don't operate the model if the transmitter's battery is in low voltage.
8. Don't view the beam of the light emitting diodes, it would effect the eyesight.
9. The motor and electric equipment will be heat after flight. Please do not touch them to avoid scald.
10. In order to avoid causing damage, please do not touch the high-speed.

⚠CAUTION	⚠WARNING	⚠WARNING	⚠WARNING	⚠WARNING	⚠WARNING
Always use a charger compatible with batteries.	Always charge Batteries away from flammable materials.	Never leave charging Batteries unattended.	Never charge damaged Batteries.	Never Alter Batteries.	Never touch or use hot Batteries.

Note: Using the original factory USB charger can ensure charging safety. Suggest you use the original factory USB charger part, other chargers may cause battery damage and property damage.

Warnings! The battery will fire, explode or leak if not strictly observing this item described below. :

1. Do not immerse the battery in water or seawater, and keep the battery in a cool dry environment during stands by period.
2. Keep all batteries out of the reach of little children. Consult a doctor immediately if a battery is swallowed.
3. Do not use or leave the battery near a heat source such as fire or heater.
4. Use the battery charger specifically for that purpose when recharging.
5. Do not reverse the positive (+) and negative (-) terminals.
6. Do not connect the battery to an electrical outlet.
7. Do not dispose the battery in fire or heat.
8. Do not short-circuit the battery by directly connecting the positive (+) and negative (-) terminals with metal objects such as wire.
9. Do not transport or store the battery together with metal objects such as necklaces, hairpins etc.
10. Do not strike or throw the battery against hard surface.
11. Do not directly solder the battery.
12. Do not unpack the battery with a nail or other sharp object.
13. Never disassembling the battery in any way.

Note:The battery can not be placed for a long time under full power and low power. Otherwise, the battery will not be charged or the battery will be wrapped. For long-term storage, please charge the battery to 7.8V and store it in a dry and safe place.
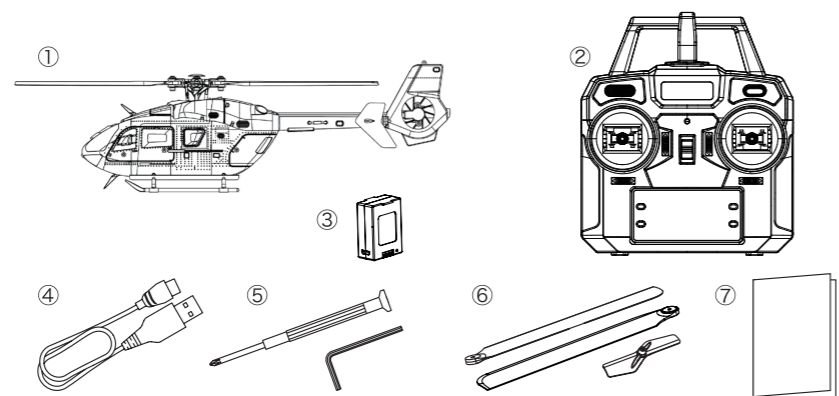
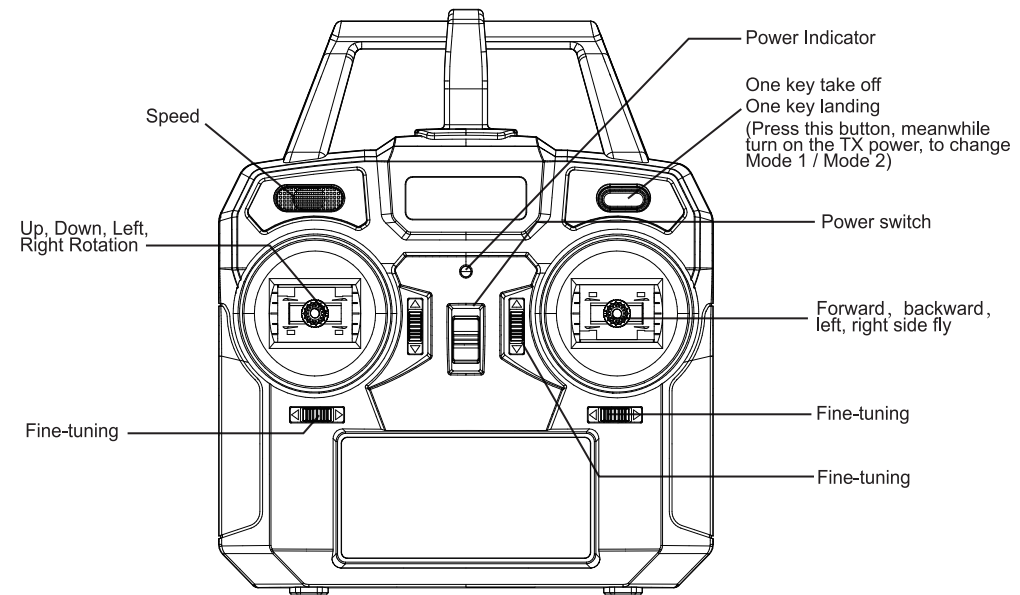|	
Length:	260 mm
Height:	80 mm
Weight:	100G
Propeller length:	256 mm
Battery Specification:	7.4V 350mAh
Flight Time:	About 13-15 min.
Main Motor:	1020
Tail Motor:	0720
Charge Time:	About 45 min.
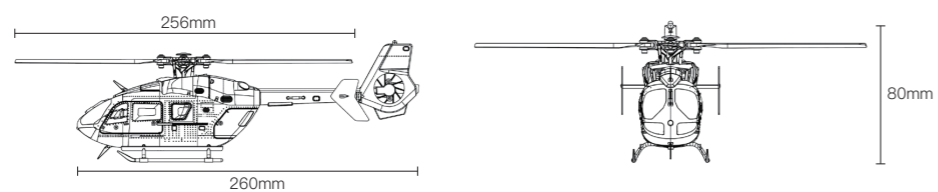
Packaging List　　　　　　　　　　C187

① Helicopter　　　② Remote Control　　　③ Lipo battery　　　④ USB charger

⑤ Phillips screwdriver+hex wrench　　　⑥ Upper connecting rod /
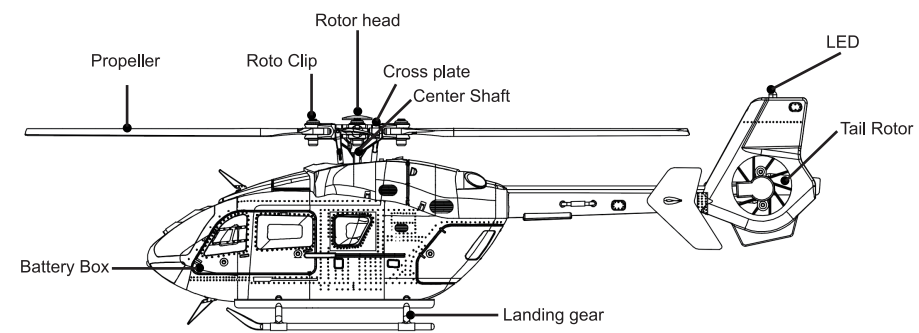Propeller / tail rotor　　　⑦ Instruction manual

Power Indicator

One key take off
One key landing
(Press this button, meanwhile turn on the TX power, to change Mode 1 / Mode 2)

Speed

Power switch

Up, Down, Left, Right Rotation

Forward，backward，left, right side fly

Fine-tuning

Fine-tuning

Fine-tuning

Fine-tuning

Rotor head

Propeller   Roto Clip   Cross plate

Center Shaft

LED

Tail Rotor

Battery Box

Landing gear

LED ON when charging,
LED OFF when charging finished

Charging Method 1:

Charging Battery by the USB port on a computer.

Description:
1. Connect the USB charger with USB port.
2. Connect the battery with USB charger: LED on when charging, LED OFF when char-
    ging finished
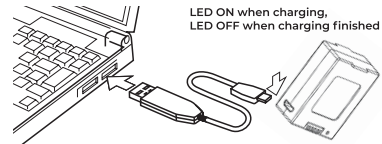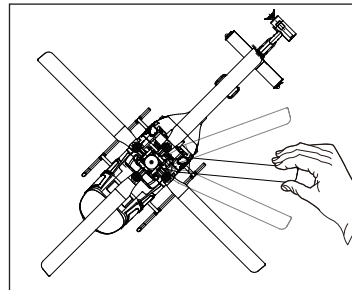
Charging Method 2:

Charging Battery by power supply adapter.

Description:
1. Connect the USB charger with power supply adapter.
2. Connect the battery with USB charger: LED on when charging, LED OFF when char-
    ging finished

Charging Method 3:

Charging Battery by power bank.

Description:
1. Connect the USB charger with power bank .
2. Connect the battery with USB charger: LED on when charging, LED OFF when char-
    ging finished

First Flight Preparation CAUTION   C187
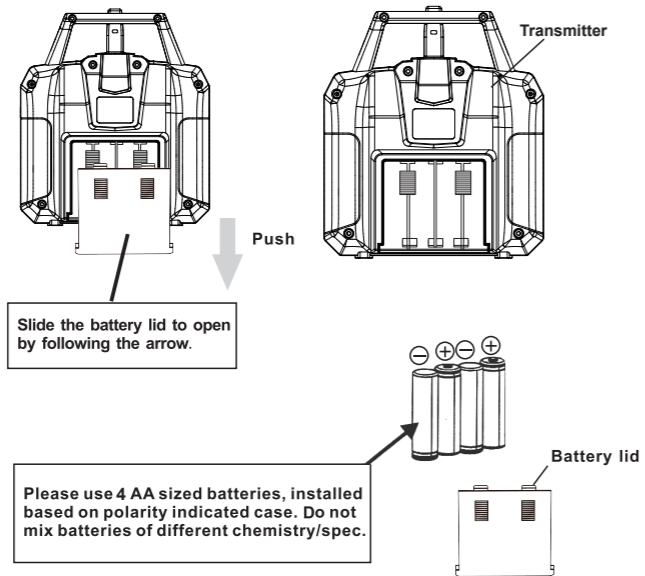
1.ensure suffcient power supply of the transmitter and helicopter.
2.Keep a flight in a suitable space which away from the traffic,
   people, electricity pylons and pool.
3.Do not lock the main rotor screws too tightly to keep folding
   smoothly. If the main rotor screws are too tight, the helicopter
   will shake when flying.
4.Under emergency situation, you can press "sharp stop" button
   for 3" to land the helicopter without rotating.
   (Note: this acticon may cause helicopter crash.)

Transmitter

Push

Slide the battery lid to open
by following the arrow.

Please use 4 AA sized batteries, installed
based on polarity indicated case. Do not
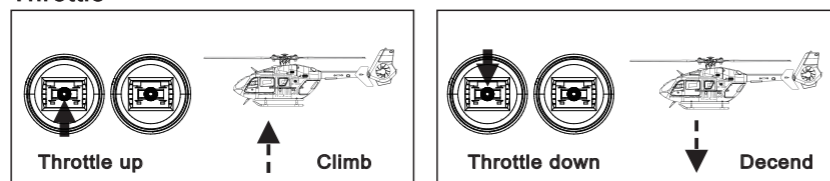mix batteries of different chemistry/spec.

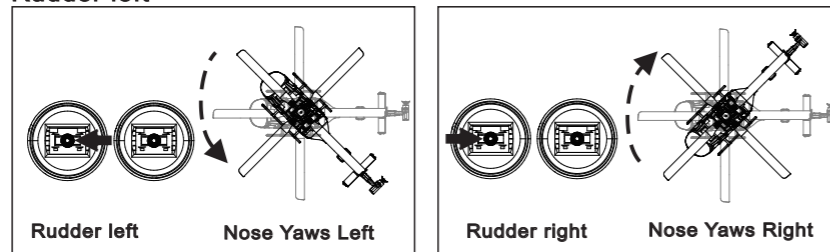**Battery lid**

Direction of operation   C187

If you are unfamiliar with the control of the C187, take time to familiarize it before your
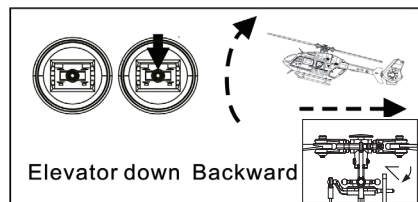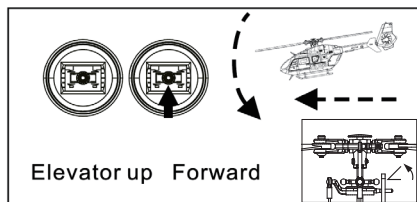first flight.

Throttle

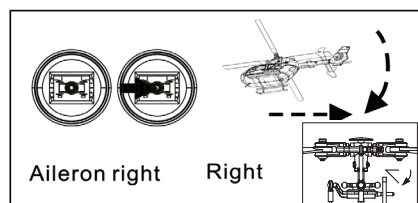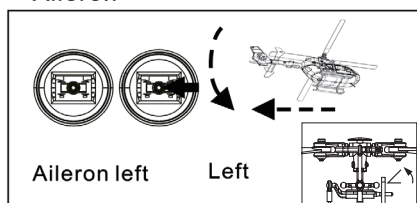| Throttle up | Climb | Throttle down | Decend |

Rudder left

| Rudder left | Nose Yaws Left | Rudder right | Nose Yaws Right |

Elevator

Elevator up   Forward

Elevator down Backward

Aileron

Aileron left   Left

Aileron right   Right

Flight Operation Steps   C187
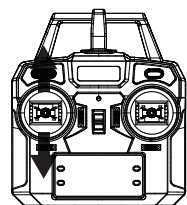
1.Turn on the transmitter and let helicopter stay near to transmitter.
2.Install the aircraft battery in the battery compartment safely and securely. Press the power switch
  for 2 seconds to turn on the aircraft power.
3.The lights of the helicopter and the remote control flash at the same time. Then push the throttle
  stick from top to bottom quickly. The remote control makes a 'DI' sound, and the indicator lights of
  the helicopter and remote control are always on, which means binding successful.
4.Pull the two joysticks to outer eight angles to start the helicopter. (You can also press the one-key
  takeoff button to take off the helicopter directly.)
5.Keep the helicopter head forward, and keep safe distance with the helicopter.
6.When manually operating the aircraft to land, please keep the throttle stick at the bottom
  for 2-3 seconds, and then release it after the propeller has completely stopped rotating.
 (This operation is not required when using the one-key landing function)

⚠Note:1.In order to avoid hitting, do not look at the helicopter at hip level when it fly.
        2.In order to avoid distractions, please confirm without other transmitters at work around.
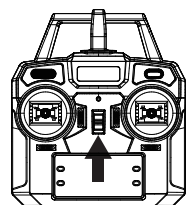
Corresponding to step 1C   Corresponding to step 3C   Corresponding to step 4

7

Forward flight

Keep a safe distance of more than 2 meters
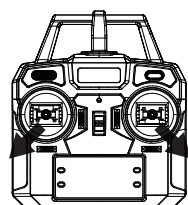
Note: Beginner should pay attention to the direction of flight. Keep the head forward to avoid causing injury .
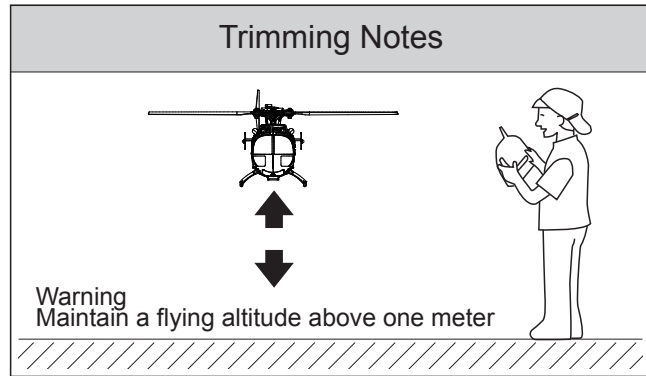
Flight Yaw correction method   C187

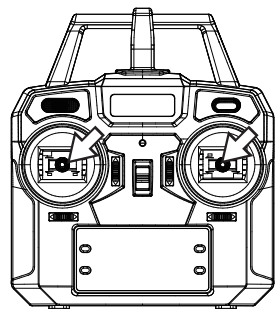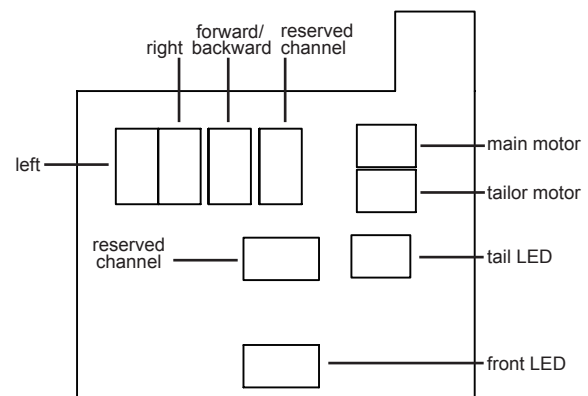Press the triming button when helicopter has yaw problems.

The helicopter has set up hovering. If you are dissatisfied with hovering or the helicopter have a yaw, please follow there steps to adjust.

Take off with the throttle joystick. According the direction of yaw, press the fine-tuning button in the opposite direction until the plane hovering.

Forward/ backward Yaw			Fine-tune according to the direction of the arrow
Left/right Yaw			Fine-tune according to the direction of the arrow
Side fly Yaw			Fine-tune according to the direction of the arrow

Trimming Notes

Warning
Maintain a flying altitude above one meter

Introduction of the corresponding socket of receiver

right
forward/backward
reserved channel

left

main motor

tailor motor

reserved channel

tail LED

front LED

Gyro calibration method

1. When flying yaw, first land and calibrate the gyroscope.
2. When calibrating the gyroscope, the aircraft must be
   placed on a level ground.
3. The indicator light will flash quickly during the calibration process,
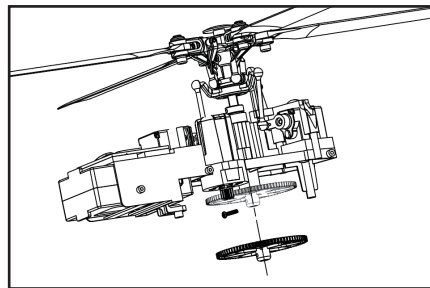   the indicator light stops flashing to take off.

Remove the propeller with a hex
wrench,
Be careful not to be too tight when
installing
the new propeller
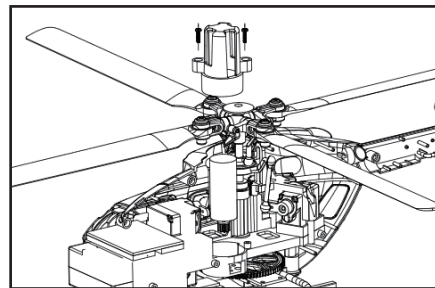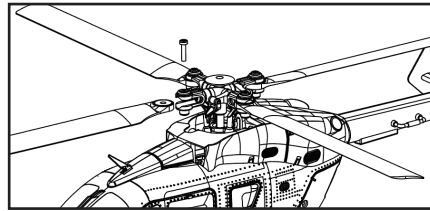
Unplug the plug, then twist the motor
left and right to pull out

First pull out the screw, and then pull out
the big gear directly downward.
Pay attention to the direction when instal-
ling the new gear. The plane of the shaft
should be aligned with the plane of the
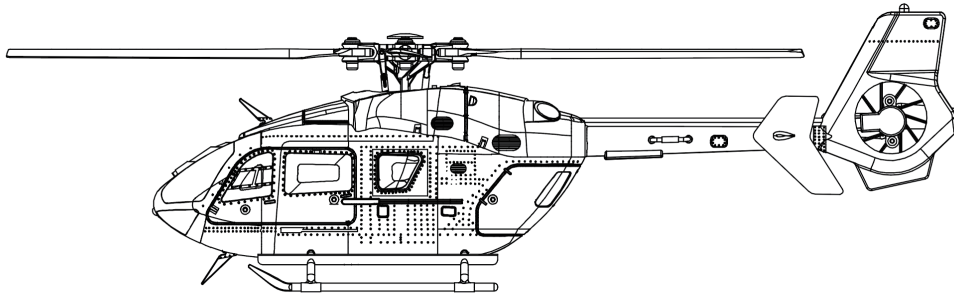inner hole of the gear.
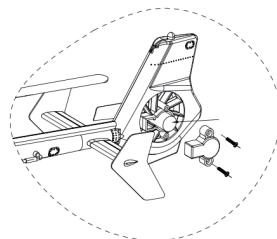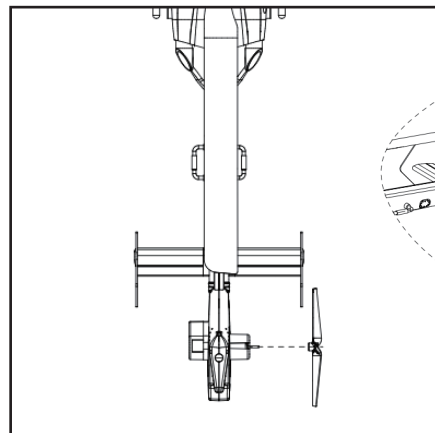
When removing and replacing the tail
rotor, please pay attention to the direc-
tion, align the motor shaft and press it
slowly to ensure smooth rotation.

	Problem	Possible Cause	Solution
1	Chopper power on. Taillight on Blinking, no response to operation.	The helicopter without bind with the transmitter.	Bind the transmitter again
2	After turning on the chopper power switch, the chopper Nothing happened.	Check the power supply of helicopter and transmitter; Check the battery's voltage of the helicopter and transmitter; Batteries had a poor connecting.	Check the installation site of Transmitter's batteries; Use full voltage batteries; Install the batteries again; Confirm the batteries have a good connecting.
3	Push the throttle but the motor not at work, the receiver's signal light keep flashing	Helicopter's battery has a low voltage; The lipo battery has a poor connecting.	Charge the battery or change a full charge battery; Connect the battery with receiver again.
4	Turn on the helicopter after bind, the main blade can rotate but the helicopter can not take off	Chopper battery low	Charge the battery or replace it with a fully charged one, The propeller will be reinstalled and turned smoothly.
5	The helicopter is violently shaking	Main rotor deformed cross shaft bent tail rotor bent Blade clamp screws are too tight to cause the main blade can not rotate	Change the main blade; Change the cross shaft; Change tail rotor; Loose the blade clamp screw.
6	Helicopter spinning to left after take off.	Tail motor has a poor power; The blades loose; Tail motor was broken.	Check the connection of tail blade and motor shaft. if loose, change tail blade or tail motor.
7	The helicopter has a little yaw:	made a operational error of the trimming button	1.According to its yaw direction, push the trimming button in the opposite direction; 2.Reset the hovering point.
8	The helicopter has a serious yaw.		Check the servo if work properly; Check the swash plate; Check the rod sticks if loosing.

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