

SPYCAM NANO



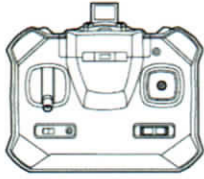
⚠ WARNING:
CHOKING HAZARD - Small parts.
Not for Children under 3 years.

This product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

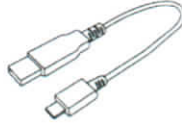
Delivery contents



Helicopter



Transmitter



USB Cable



Spare tail rotor blade



Tool for Tail Rotor Blade Replacement



Instructions manual

Precautions, Warnings & Statements



The crossed-out dustbin symbol indicates that batteries, rechargeable batteries, button cells, battery packs, etc. must not be put in the household waste. Batteries are harmful to health and the environment. Please help to protect the environment from health risks. If the toy is out of use, please use common household tool to break the product for built-in rechargeable battery operated toy or unscrew the battery door for replaceable battery operated toy, then take the battery out from the toy. Dispose of battery in accordance with your local battery recycling or disposal laws.



WEEE

When this appliance is out of use, please remove all batteries and dispose of them separately. Bring electrical appliances to the local collecting points for waste electrical and electronic equipment. Other components can be disposed of in domestic refuse.

Safety precautions:

Warning: Conversion or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the product.

- The transmitter-charger is tailor-made for the LiPo rechargeable battery used in helicopter. Do not use it to charge any battery other than that in the helicopter.

Care and Maintenance:

- Always remove batteries from the product when it is not being used for a long period of time. (Transmitter only)
- Regularly examine for damage to the plug, enclosure and other parts. In the event of any damage, the product must not be used with the transmitter charger until the damage has been repaired.
- Wipe the product gently with a clean cloth.
- Keep the product away from direct heat.
- Do not submerge the product into water that can damage the electronic assemblies.

Special notes:

- Please read the operation instructions carefully prior to the first use.

Notes:

- New alkaline batteries are recommended to use in this product to obtain best and maximum performance.
- This product must only be used with the recommended charger.

Battery warnings:

- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are to be removed before being charged. (Transmitter only)
- Different types of batteries or new and used batteries are not to be mixed. (Transmitter only)
- Only batteries of the same or equivalent type as recommended are to be used.
- Batteries are to be inserted with correct polarity.
- Exhausted batteries are to be removed from the product. (Transmitter only)
- The supply terminals are not to be short-circuited.
- Do not mix old and new batteries. (Transmitter only)
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries. (Transmitter only)

This helicopter is equipped with a LiPo rechargeable battery, please pay attention to the following cautions for safety use:

- Do not dispose the battery in fire or heat.
- Do not use or leave the battery near a heat source such as fire or heater.
- Do not strike or throw the battery against hard surface.
- Do not immerse the battery in water, and keep the battery in a cool dry environment.
- When recharging, only use the battery charger specifically for that purpose.
- Do not over-discharge the battery.
- Do not connect the battery to an electrical outlet.
- Do not directly solder the battery and pierce the battery with a nail or other sharp object.
- Do not disassemble or alter the battery.
- Charge the battery every 6 months.
- Do not transport or store the battery together with metal objects such as necklaces, hairpins etc.
- As for a used battery, please recycle after covering the battery terminals with insulation tape or inserting it to an individual poly-bag.
- Battery inside the product is not replaceable

Battery requirements transmitter:

- Power supply :
- Battery ratings : DC 6 V , 0.3 W
- Batteries : 4 x 1.5 V *AAA*/LR03/AM4 (not included)

Battery requirements helicopter:

- Power supply :
- Battery ratings : DC 3.7 V , 4.5 W
- Batteries : 1 x 3.7 V Li-Po Rechargeable Battery Pack (included)
- Capacity : 120 mAh



SLT (USA) Inc. 21660 East Copley Drive, Suite 220 Diamond Bar, CA.91765, U.S.A. Tel: (877) 502-8697

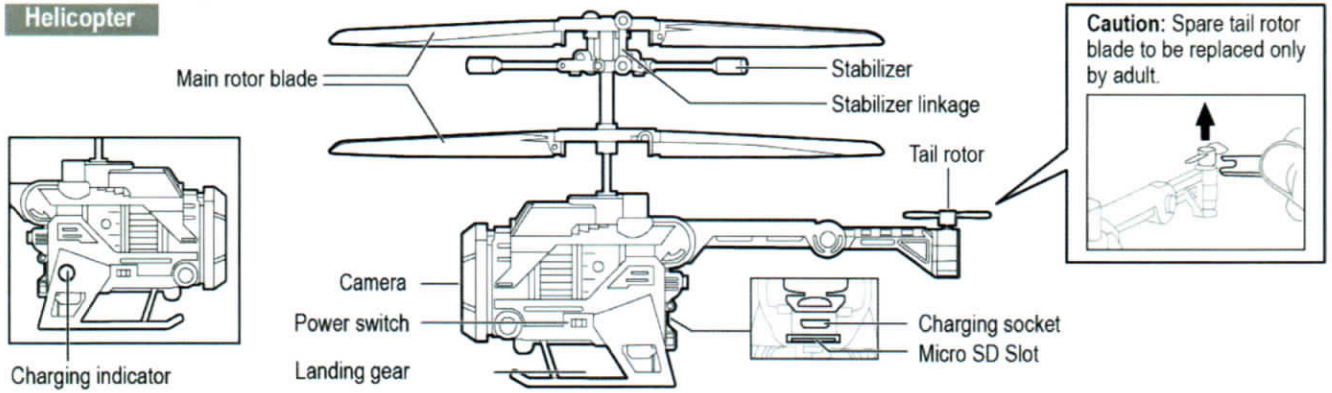
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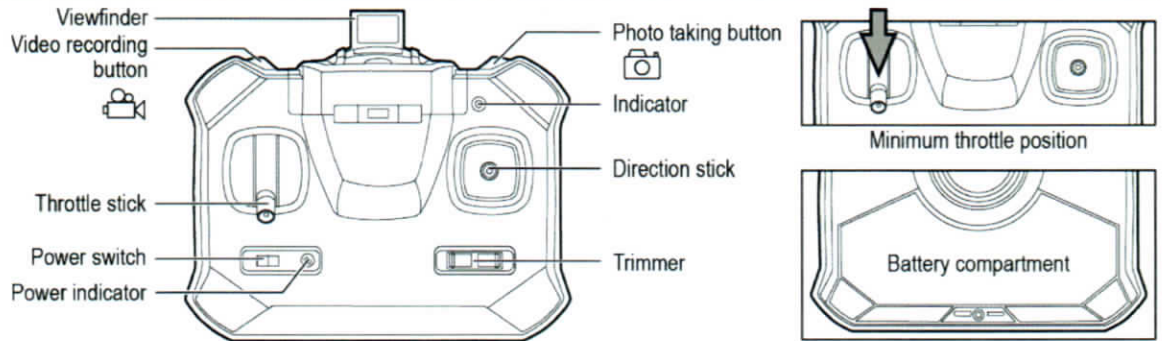
2 ENGLISH

Part Identification

Helicopter

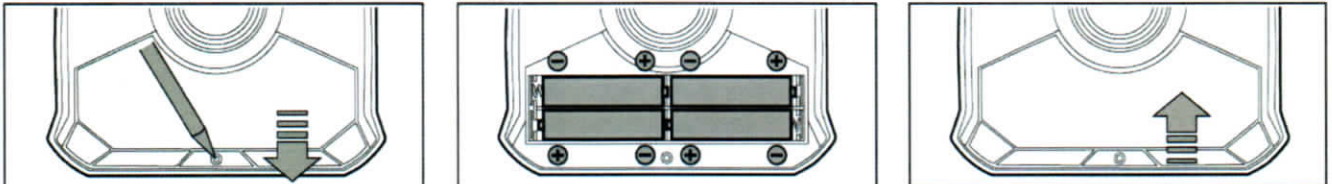


Transmitter



Battery Installation & Charging the Helicopter

Transmitter Battery Installation (*Make sure the power switch is on "OFF" position.)

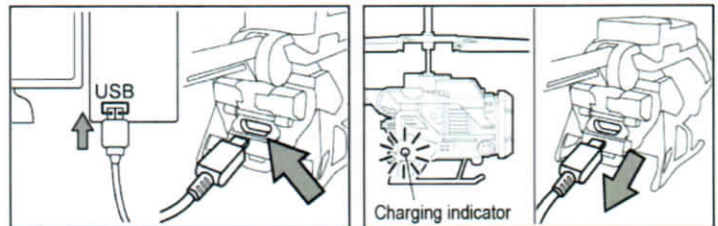


1. Use a pen to press down the button on the transmitter, and then follow the arrow direction to push out the battery cover.
2. Put 4 "AAA" size batteries in the battery compartment as per the polarity shown inside.
3. Place back the battery cover.

Note: The transmitter receives a signal from the helicopter when the battery is low. When the indicator on the transmitter starts blinking, recharge the helicopter.

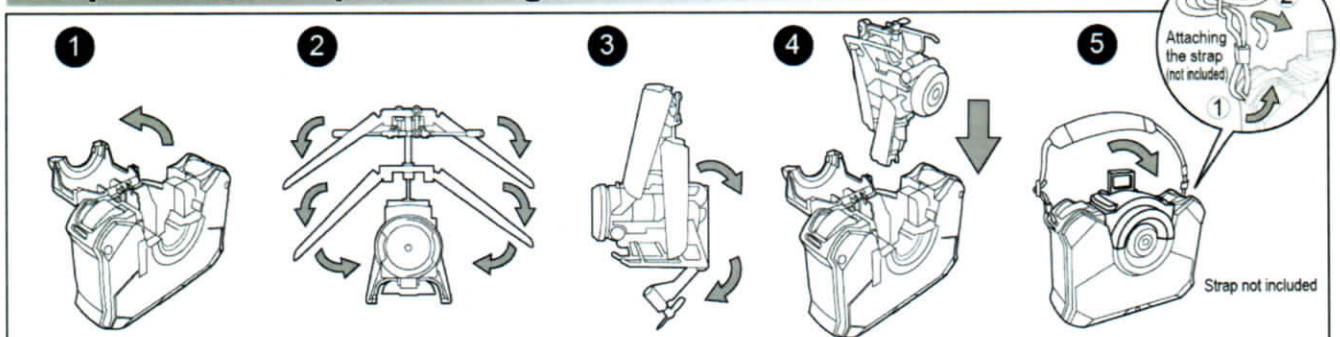
Charging the Helicopter

1. Connect the USB recharge cable to a USB socket. Make sure the computer is turned on. Switch off the helicopter. Insert the charging plug into the charging socket on the helicopter.
2. The charging process will begin automatically and the charging indicators will light up. Unplug the charging plug after the charging indicator turns off, charging is complete.



- Note:**
1. The helicopter can operate up to 4 minutes per every 20 - 35 minutes charging.
 2. Before recharging the battery, wait 10 - 15 minutes for it to cool down.

Steps For Helicopter Storage



Tip! Piloting hints

- For controlling the sticks on transmitter, try not to push the sticks immediately any extreme positions. It should be like steering a bicycle rather than pressing computer game sticks.
- For the novice pilot (after the trimming procedure is completed), it is highly recommended to focus exclusively on learning to control the throttle stick first. If the helicopter turns around by itself there is no need to keep it straight. For the first flight, it is important to learn to keep the helicopter at a constant altitude of around 1 foot with very gentle inputs on the throttle stick. Once the pilot masters this, he may start learning to take control with the direction stick.

Flying Your Helicopter**1. Procedure for PAIR / SYNC the Helicopter and Transmitter**

2.4 GHz technology allows for many helicopters to fly without signal interference. A connection, or pairing, must be made between the helicopter and the transmitter to function. Sometimes, the pairing will happen automatically. If it does not, or if the connection is lost then follow these steps to sync the helicopter and the transmitter.

- 1.1 Place the helicopter on the ground with the tail point towards you and the nose pointing away. Make sure the throttle stick is at the lowest position.
- 1.2 Turn the Power Switch button to 'ON' position both on the Helicopter and Transmitter. Red LED will then flash.
- 1.3 The Synchronize/Pairing procedure is automatically COMPLETED when you can see the Red LED light up solid (not blinking) on both Helicopter and Transmitter.

2. Flight environment

Choose the place which meets the following condition:

1. Indoor environment with calm air. Beware of the air circulation from the air-conditioner.
2. Caution: There must not be any dangerous objects (electric fan, air-conditioner, reading lamp, etc) on the flight path.

3. Trimming the helicopter:

- Gently push the throttle up to raise your helicopter about 0.5 to 1 meter high.

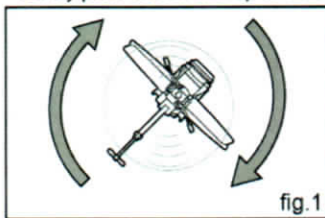


fig.1

- When the helicopter spirals (fig. 1) or keeps turning clockwise (fig. 2), press the left side of the yaw trim button ("L") repeatedly until the helicopter flies straight (fig. 3).

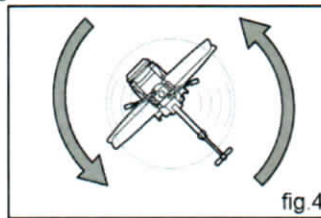


fig.4

- When the helicopter spirals (fig. 4) or keeps turning counter clockwise (fig. 5), press the right side of the yaw trim button ("R") repeatedly until the helicopter flies straight (fig. 6).

Spiral clockwise

Spiral counter clockwise

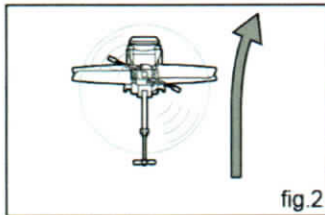


fig.2

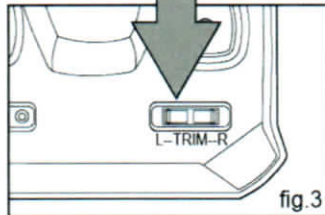


fig.3

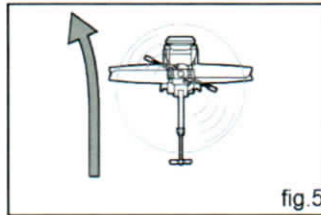


fig.5

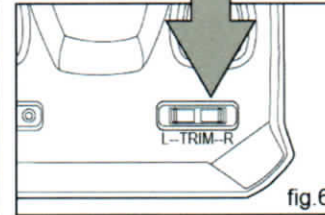


fig.6

Keep turning clockwise

Keep turning counter clockwise

4. Flight control:**Hover up and down:**

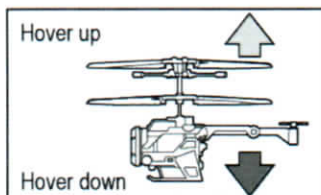
When the helicopter flies steadily, you can slowly push the throttle stick up to make helicopter fly higher, or lower the stick a bit to make helicopter fly lower. Only small amounts of stick position change are required for smooth flying.

Turn left and right:

Maintain the helicopter at a certain height. Push the direction stick toward left to turn counter clockwise, and push the direction stick toward right to turn clockwise.

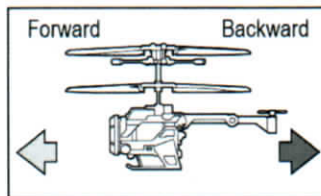
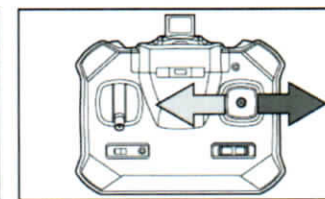
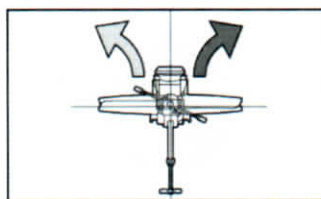
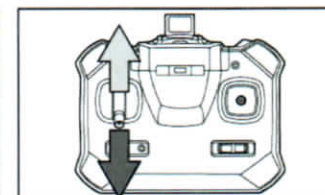
Forward and backward flight:

Maintain the helicopter at a certain height. Push the direction stick upward to fly the helicopter forward. Push it downward to fly the helicopter backward.



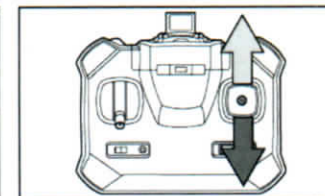
Hover up

Hover down



Forward

Backward

**5. Lift-off procedures (after trimming procedure):**

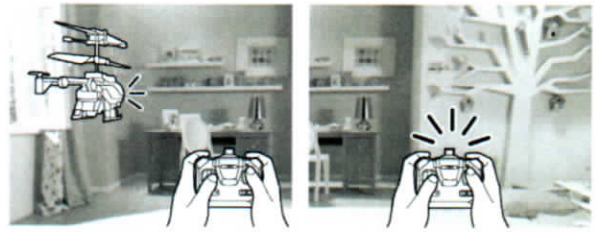
- Put the helicopter on a smooth surface. Uneven floor surface will affect its lift off.
- Slowly increase the throttle.
- Do not look at the transmitter but focus on the helicopter.
- As soon as the helicopter leaves ground, reduce the throttle slightly. (In the worst case, helicopter will go back to the floor but that is better than crashing against the ceiling.)
- Very gently increase the throttle if the helicopter descends.
- Very gently reduce the throttle if the helicopter ascends.
- For turning, give short and small inputs to the direction stick. (This takes practice. Press gently to avoid over controlling your helicopter.)



4 ENGLISH

Photos taking/ Video recording

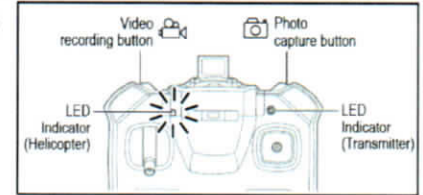
Press the photo capture button to take photo through the camera on the helicopter.
The indicator on the transmitter will flash when a photo is taken.
Press the video recording button to start recording video. Press the button again to stop recording. The indicator on the transmitter will turn on during recording.
When the memory card is full, the status indicator flashes continuously.
Move/remove the saved data from the Micro SD card before taking photos again.
(Micro SD card is not included)



You can take photo or video through helicopter or transmitter

*Camera Mode:

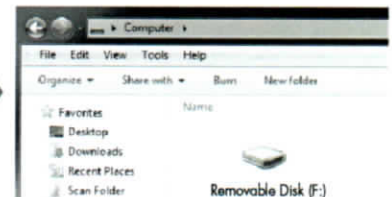
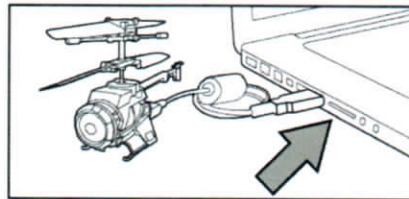
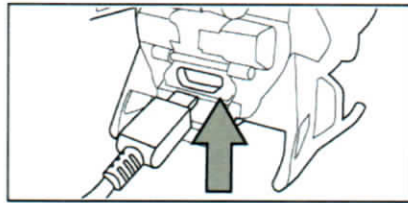
When the helicopter is stored inside the remote and both power switches are turned on, red LED light from helicopter can be seen on the Transmitter (show hole on Transmitter).
Light will turn off after 3 minutes (sleep mode).
Press photo or video button on remote to wake up the helicopter, a photo or video can then be taken.
(LED from remote shows activity: 1sec > photo, long light > video, blinking > error)



Transferring files to computer

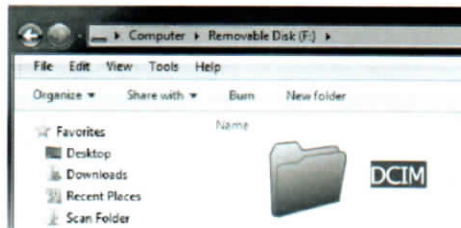
To store photos and videos

1. Be sure your helicopter has been switched OFF. Connect the helicopter to the computer through the USB cable. Double click the "Removable Disk (F:)" in the computer



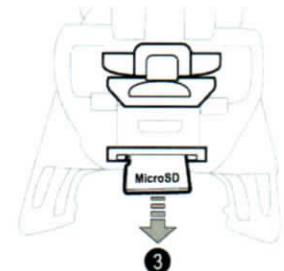
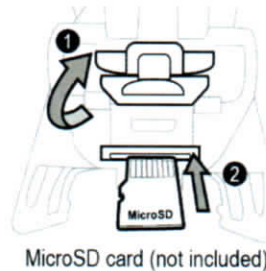
2. Enter the camera folder to review the files. Copy the images or videos to your computer.

NOTE: For Mac OS, user can transfer the photos or videos to computer through iPhoto.



Inserting and removing the MicroSD card

1. Lift up the cover. ①
2. Insert the MicroSD card (not included) with the gold-colored contacts facing up. ②
3. For removing the MicroSD card, pull the MicroSD card out from the slot. ③



Note: MicroSD card (not included), up to 32GB

Troubleshooting

Symptom	Cause	Correction
The helicopter does not respond.	- The helicopter and/ or the transmitter is switched off ("OFF"). - The battery of the helicopter is weak.	- Set the power switch to "ON" - Recharge the battery of the helicopter.
The video/ photo was not recorded.	- The battery of the helicopter is weak. - The memory card is full.	- Recharge the battery of the helicopter. - Move/ remove some photos/ videos.
The helicopter does not react, or react poorly to operation by transmitter.	- PAIRING / SYNC Procedure is not yet completed or done.	- Reset by switch off both helicopter and transmitter then switch both on again.
Loss of control.	- Out of the control range of distance.	- The transmission range is up to 65 feet in open space.