

6-1: Low battery level

When the battery is low, the drone's 4 LEDs start to flash. The drone lands automatically.

WARNING:
Recharge the battery before it completely dried up.

6-2: Motor protection system

The drone is fitted with a motor protection system: after a collision or when one of the rotors is obstructed, a short-circuit is triggered to switch off the motors and preserve their integrity. If the short circuit is triggered, return the altitude stick to the minimum altitude position manually, then switch off the transmitter and the drone and wait for at least 1 minute before switching them back on and restarting synchronization.

6-3: Calibrate the drone

Step 1: Set the drone on a horizontal surface within the Transmitter's range.
Step 2: Push the left stick to lower left corner and right stick to lower right corner simultaneously for 2 - 3 seconds. The lights on the drone will flash rapidly.
Step 3: Repeat the operation. The lights will become stable, indicating that calibration process is successfully completed when the lights became stable.

7. Camera Installation and Transferring files to computer

7-1: How to attach the camera to the drone

- Install the camera clip on top of the camera
- The camera should be clipped underneath the drone
- The camera's electrical wires (plug) are connected to the drone: right-hand plug of the switch

- When the camera is correctly connected, a green light will indicate that it can start operating.
- When a red and green light flash alternately, this means that no SD card is inserted in the camera slot.

7-2: Inserting and removing the MicroSD

1. Insert the MicroSD card (not included) with the gold-colored contacts facing down. ❶

2. If you want to remove the MicroSD card, push gently the card until the card disengages from the drone, and then pull it out of the slot. ❷ & ❸

7-2: Download photos and videos

Step 1. Be sure your Drone has been switched OFF. Remove Micro SD card from Drone. Insert it into card reader and then connect with computer. A pop-up window will appear.

Step 2. Open the camera folder, copy the images or videos to your computer after you found the image files.

8. Troubleshooting

Symptom	Cause	Correction
The Drone does not response.	- The Drone and/ or the transmitter is switch off ("OFF"). - The battery of the Drone is weak.	- Set the power switch to "ON" - Recharge the battery of the Drone.
The Drone does not react, or react poorly to operation by transmitter.	- The drone battery is flat or the Transmitter batteries are dead. - The product may be affected by electromagnetic interference.	- Charge the drone battery or replace the Transmitter batteries. If this works, switch the appliance off and on, following the instructions in the user manual. If the functions do not reset, change locations.
The drone flies out of your control	- The drone's settings are not correct - The drone is not calibrated	- Use the trimmers to compensate the directions (step 5 - 4) - Calibrate the drone: refer to step 6-3
The camera does not work	- The connection between the camera and the drone is interrupted or the plug is not fitted correctly	- Check the connection cable between the camera and the drone (step 7-1)
Loss of control.	- Out of the control range of distance. - Rotor blade is deformed or distorted. - The drone performance might be influenced under windy condition	- The transmission range is up to 30 meters in open space. - Replace the rotor blade with the spare one provided. - Avoid to play the drone at windy location

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SPYRACER
PHOTOGRAPHY AND FILMING IN FLIGHT

This toy is only to be connected to equipment bearing either of the following symbols:

For ages 14+
Ab 14 Jahre
A partir de 14 ans
Leeftijd vanaf 14 jaar

A partir de 14 años
Dai 14 anni in su
Для детей от 14 лет
Para edades superiores a 14 anos

Hereby, Silverlit Toys Manufactory Ltd declares that the radio equipment 84842 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.silverlit.com/certificate

Frequency Band Range: 2400 - 2483,5MHz Maximum Radio-Frequency Power: < 10dBm

MFR No. 84842

1. Delivery contents

2. Precautions, Warnings and 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.

Waste Electrical and Electronic Equipment (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.

FCC Statements
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.
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.

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.
- Photographing or video recording should only take place with the consent from all involved parties.
USB cable statement:
- If battery cannot be charged, Please try another adapter.
- The product must only be used with the provided USB cable for charging.
- Do not use high output adapter for battery charging (1A or above).
- Transformer or battery charger used with the toy are to be regularly examined for damage to the cord, plug, enclosure and other parts, and in the event of such damage, they must not be used until the damage has been repaired.

Care and Maintenance:
- Always remove batteries from the product when it is not being used for a long period of time. (Transmitter only)
- 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:
- Caution. Read the manual carefully before 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.
- Do not operate battery charger if it has been damaged in anyway.

Battery warnings:
- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are to be removed before being charged. (Transmitter only)
- Rechargeable batteries should be charged under adult supervision.
- 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. (+ and -)
- 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 batteries, standard batteries (carbon-zinc) and rechargeable batteries (nickel-cadmium). (Transmitter only)
- This Drone 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.
- This toy contains battery that is non-replaceable

Tip! Safety hints

- Never take apart or attempt to modify the product. This could damage the product.
- Drone piloting requires specific skills and should be learned under direct supervision of an experienced adult.
- Never operate this product if it has damaged parts.
- Attention! Do not fly the Drone near persons and animals.
- Do not fly the Drone in the vicinity of water and power lines.
- Always keep your eyes on the Drone and prevent it from landing or crashing near your head, your body, or on other people.
- Stand during operation in order to get out of the way of the Drone quickly if necessary.
- Always switch the Drone and the transmitter off when not operating.
- Warning! Do not touch the running rotors. Keep hands, hair and loose clothes away from moving parts to avoid injury.
- Never hold or throw any objects into the running rotors.
- Attention! Risk of eye injuries! Keep a safety distance of at least 1 meter.
- Instruction sheet and packaging must be retained since it contains important information.

The normal function of the product may be disturbed by Strong Electro Magnetic Interference. If so, simply reset the product to resume normal operation by following the instruction manual. In case the function could not resume, please use the product in other location.

For upload photo & video function of the plane may be disturbed by Strong Electro Magnetic Interference. If so, the plane need to do the steps again to re-connect to the PC. In case the function could not resume, please use the product in other location.

Battery requirement (Transmitter):

Power Supply : ---
Rating : DC 6.0 V , 0.5 W
Batteries : 4 x 1.5 V "AA"/LR6/AM3 (not included)

Battery requirement (Drone):

Power Supply : ---
Rating : DC 3.7 V , 13 W
Batteries : 1 x 3.7 V LiPo Rechargeable Battery Pack (included)
Capacity : 380 mAh

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3. Part Identification

Drone

Protection Rings
Rotor Blade - B
Rotor Blade - A
Rotor Blade - A
Rotor Blade - B
Power Switch
Caution: Spare rotor only to be replaced by adult. When replacing the rotor, please make sure the mark (A or B) on the Drone are match with rotor.

Rear Lights (Blue)
Front Lights (RED)
Caution: Drone stand only to be installed by adult.

Transmitter

Stunt Button
Power Indicator
Throttle Stick
Left/right Trimmer
Headless Mode ("ON": activated, "OFF": deactivated)
Camera button
Video Button
ON/OFF Switch
Direction Stick
Forward/Backward Trimmer
Yaw Trimmer
Speed Control Switch (High / Medium / Low)
H-M-L

Minimum Throttle position
Battery cover

4. Battery Installation and Charging

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

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

Warning !

Remove these batteries from the unit by pulling up on one end of each battery positive by hand.

DO NOT remove or install batteries using sharp or metal tools.

Note: 1. The Drone can operate for about 4 - 5 minutes per every 50-60 minutes charging.
2. Before recharging the battery, wait 10 - 15 minutes for it to cool down.

5. Flying the Drone

5-1: Starting the drone:

Step 1: Switch on the drone (switch to "ON" position)

Step 2: Turn the power switch on the transmitter to "ON" position.

Step 3: 2.4 GHz technology allows for many Drones to fly without signal interference. When the flashing LEDs of the drone become gradually fade in and out, push the altitude stick to top then pull down to bottom. The pair procedure is completed.

5-2 : Emergency Stop

To stop the flying Drone, pull down the left stick for 15 seconds.

Tip! Throttle stick warning

When the drone drops, the rotors can be blocked by an obstacle (e.g.: branches of a tree). User is advised to return the Throttle stick to the minimum Throttle position if the motors lock up, the drone still operates correctly. Otherwise, the motors may become damaged.

Before use, put the Speed Control Switch on the low-speed mode (L) in order to get familiar on how to play with the drone.

5-3: Main commands

Take-off and landing
• To take off, gently and gradually lift the left stick.
• To land, gently and gradually lower the left stick.

Moving forwards and backwards
• To move forwards: gently and gradually lift the right stick.
• To move backwards: gently and gradually lower the right stick.

Rotating to the right or left
• When the drone is stabilized at a certain height, move the left stick to the left or right.

Tilting the drone to the right or left
• When the drone is stabilized at a certain height, move the right stick to the left or right.

NOTE: LANDING - Slowly decrease the throttle to land the Drone and keep pull the throttle stick downward until the propellers stop.

5-4: Appliance setting

Forward / backward trimmer
• If the drone has a tendency to go too far forward or back, adjust the movement by tuning with the forward / backward trimmer

Left/right trimmer
• If the drone spirals or keeps turning to left or right, adjust the movement by tuning with the left/right trimmer

Yaw trimmer
• If the drone has a tendency to go too far to the left or to the right, adjust the movement by tuning with the yaw trimmer

5-5: Loops

At a certain height, the drone is able to do loops.

To do this:
Press the Stunt Button on the transmitter (it makes a sound), then indicate the loop's desired direction on the Transmitter. Push the right stick upwards for a front loop, downwards for a backward loop, left for a left loop or right for a right loop