EU4879

XCELSIOR

This device complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. The device should be installed and operated with a minimum distance of 20cm between the radiator and your body. This device must not be collocated or operating in conjunction with any other antenna or transmitter.

For ages 15+
Ab 15 Jahre
A partir de 15 ans
Leeftijd vanaf 15 jaar
A partir de 15 años
Dai 15 anni in su

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

Delivery contents

Quadcopter	Transmitter	Smart Phone Holder	USB Charger	Protective Rings
Spare Rotors	Lens	Card Goggle	Head Strap	Foam Bar
Velcro	Instruction Manual			

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Compatible with iPhone®, iPod touch® (iOS 8.0 or above) and most Android+ phones (OS 4.4 or above)

Download on the App Store

GET IT ON Google Play

Battery requirements (Transmitter):

Power Supply : 9Vdc
Rating : 8 V DC , 0.5 W
Batteries : 4 x 1.5 V "AA"LR6/AM3 (not included)

Battery requirements (Quadcopter):

Power Supply : 3Vdc
Rating : 3.7 V DC , 26 W
Batteries : 1 x 3.7 V LiPo battery (included)
Capacity : 850 mAh

Silverlit® Silverlit SAS, 80 rue Barthélemy Danjou, 92100 Boulogne-Billancourt / France.
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Precautions, Warning & Statement

The crossed-out dustbin symbol indicates that batteries, rechargeable batteries, button cells, battery packs, etc. must not be disposed of with household waste due to potential risks 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 battery operated toy. Remove the battery. Do not dispose of 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 charger is not a toy. Do not charge any battery other than that in the quadcopter.

Special notes:
- Please read the operation instructions carefully prior to the first use.
- This product intended to be used in domestic area (house and garden) only.
- Do not charge or modify anything on the quadcopter.

Battery warnings:
- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are to be removed before being charged. (Transmitter only)
- Rechargeable batteries are only to be charged under adult supervision.
- Different types of batteries or new and used batteries are not to be mixed. (Transmitter only)
- 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)

Quadcopter 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 intend to discharge the battery.
- Do not connect the battery to an electrical outlet.
- Do not directly solder the battery and perror the battery with a nail or other sharp object.
- Do not transport or store the battery together with metal objects such as necklaces, hairpins etc.
- Do not disassemble or alter the battery.
- Charge the battery every 6 months.

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.

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.

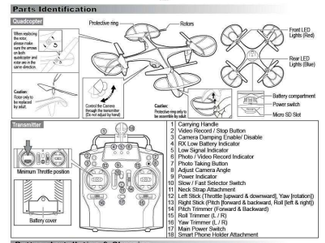
Care and Maintenance:
- Always remove batteries from the product when it is not being used for a long period of time. (Transmitter only)
- Regularly examine for damage to the plug, enclosure and other parts. In the event of any damage, the product must not be used with the transmitter charger until the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

Tips! SAFETY
- Quadcopter piloting requires specific skills and should be learned under direct supervision of an experienced adult.
- Never operate this product if it has damaged parts.
- Caution. Do not start up and fly when persons, animals or any obstructions are within the flying range of the quadcopter.
- Fly the quadcopter in an area that is open, clear and sufficiently large.
- Do not fly the quadcopter in the vicinity of water and power lines.
- Always keep your eyes on the quadcopter and prevent it from landing or crashing near your head, your body, or on other people.
- Starting the operation in order to get out of the way of the quadcopter quickly if necessary.
- Always switch the quadcopter and the transmitter off when not operating.
- *Warning!* Do not touch the running rotors. Keep hands, hair and loose clothing away from the rotors while motor is running.
- Never hold or throw any objects into the rotating rotors.
- Caution. Risk of eye injuries. Do not fly near your face to avoid injuries.
- Keep this instruction manual for future reference.

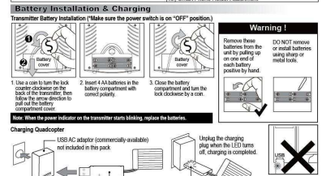
The normal function of the product may be disturbed by Strong Electro Magnetic Interference. If so, simply reset the product to resume normal operation by following the instruction manual. In case the function could not resume, please use the product in other location.

Parts Identification

Quadcopter



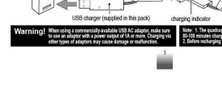
Transmitter



1) Carrying Handle
2) Video Record / Stop Button
3) Camera Damping Enable/ Disable
4) RX Low Battery Indicator
5) Low Signal Indicator
6) Flight Control Record Indicator
7) Photo Taking Button
8) Adjust Camera Angle
9) Power Indicator
10) Slow / Fast Selector Switch
11) Neck Strap Attachment
12) Left Stick (Throttle [upward & downward], Yaw [rotation])
13) Right Stick (Pitch [forward & backward, Roll [left & right])
14) Pitch Trimmer (Forward & Backward)
15) Roll Trimmer (L / R)
16) Yaw Trimmer (L / R)
17) Main Power Switch
18) Smart Phone Holder Attachment

Battery Installation & Charging

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



1. Use a coin to turn the lock counter clockwise on the back of the transmitter, then follow the arrow direction to open the battery compartment cover.
2. Insert 4 AA batteries in the battery compartment with correct polarity.
3. Close the battery compartment and turn the lock clockwise by a coin.

Note: When the power indicator on the transmitter starts blinking, replace the batteries.

Warning !
Remove Items
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.

Charging Quadcopter

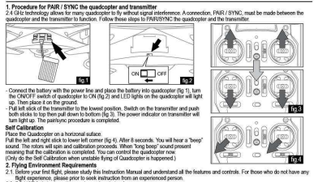
Warning! When using a commercially-available USB AC adaptor, make sure to use an adapter with a power output of 1A or more. Charging via other types of adaptors may cause damage or malfunction.

Note: 1. The quadcopter can operate for about 4-5 minutes per every 30-40 minute charging.
2. Before recharging the battery, wait 10 -15 minutes for it to cool down.

Flying Your Quadcopter

Tips CONTROLLING
- 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 quadcopter is not responding as you wish, land it immediately and trim it before your next flight. It is important to learn to keep the quadcopter at a constant altitude of around 1 meter with very gentle inputs on the throttle stick. Once the pilot masters this, he may start learning to take control with the direction stick.

1. Procedure for PAIR / SYNC the quadcopter and transmitter
2.4 GHz technology allows for many quadcopter to fly without signal interference. A connection, PAIR / SYNC, must be made between the quadcopter and the transmitter to function. Follow these steps to PAIR/SYNC the quadcopter and the transmitter.



- Connect the battery with the power line and place the battery into quadcopter (fig 1), turn the ON/OFF switch of quadcopter to ON (fig 2) and LED lights on the quadcopter will light (fig 3) and flash rapidly.
- Pull left sticks of the transmitter to the lowest position, Switch on the transmitter and push both sticks to top then pull down to bottom (fig 3). The power indicator on transmitter will turn light up. The pair/sync procedure is completed.

Self Calibration
Place the Quadcopter on a horizonal surface.
Pull the left and right stick to lower left corner (fig 4). After 8 seconds. You will hear a "beep" sound. The rotors will spin and calibration proceeds. When "long beep" sound present meaning that the calibration is completed. You can control the quadcopter now.
(Only do the Self Calibration when unstable flying of Quadcopter is happened.)

2. Flying Environment Requirements
2.1. Before your first flight, please study this Instruction Manual and understand all the features and controls. For those who do not have any flight experience, please prior to seek instruction from an experienced person.
2.2. DO NOT fly in bad weather, such as rain, wind or fog.
2.3. The environment should be open and void of buildings or other obstacles.
2.4. Keep the quadcopter away from obstacles, persons and animals, power lines, trees, lakes and rivers etc.
2.5. Try to avoid interference between the transmitter and other wireless equipment.

3. Trimming The Quadcopter
- Gently push the throttle stick up to raise the quadcopter about 0.5 to 1 meter above the ground.

GYRO DIRECTION STABILIZER

When the quadcopter keeps turning to the right, push the ROLL trimmer toward left until the quadcopter is stable.

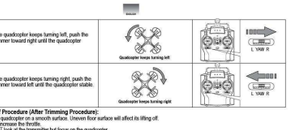
When the quadcopter keeps flying sideways to the right, push the ROLL trimmer toward left until the quadcopter is stable.

When the quadcopter keeps flying sideways to the left, push the ROLL trimmer toward right until the quadcopter is stable.

When the quadcopter keeps flying forward, push the PITCH trimmer downward until the quadcopter is stable.

When the quadcopter keeps flying backward, push the PITCH trimmer upward until the quadcopter is stable.

When the quadcopter keeps turning left, push the YAW trimmer toward right until the quadcopter stable.



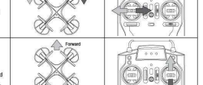
When the quadcopter keeps turning right, push the YAW trimmer toward left until the quadcopter stable.

4. Lift-off Procedure (After Trimming Procedure):
- Put the quadcopter on a smooth surface. Uneven floor surface will affect its lifting off.
- Turn on the transmitter.
- DO NOT look at the transmitter but focus on the quadcopter.
- As soon as the quadcopter leaves ground, reduce the throttle slightly.
- (In the worst case, quadcopter will go back to the floor, but that is better than crashing against the ceiling)
- VERY gently add the throttle if the quadcopter goes down.
- VERY gently reduce the throttle if the quadcopter goes up.
- For turning, give short and small inputs to the direction stick. (Most beginners will easily overcorrect the quadcopter)
- For landing, slowly reduce throttle, turn the quadcopter pointing to more open space before pushing the forward buttons.

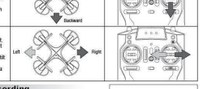
5. Flight Control

Fly up and down:
The throttle stick controls the quadcopter elevation. Push the stick forward and the quadcopter will rise. Pull the stick downward and the quadcopter will descend.
Only small amounts of stick position changes are required for smooth flying.

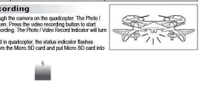
Turn left and right:
The yaw stick controls the quadcopter rotation. Push the stick to the left and the quadcopter will rotate counter clockwise.
Push the stick to the right and the quadcopter will rotate clockwise.



Forward and backward:
The pitch stick controls the quadcopter's front & back tilt.
Push the stick upward and the quadcopter will tilt forward.
Pull the stick downward and the quadcopter till and fly backward.
Increasing movement of the pitch stick will result in a large tilt angle and faster flight velocity.



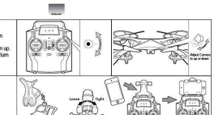
Flying sideways:
The rot stick controls the quadcopter left & right tilt.
Push the stick to the left and the quadcopter will tilt and fly left.
Push the stick to the right and the quadcopter will tilt and fly right.
Increasing movement of the roll stick will result in a large tilt angle and faster flight velocity.



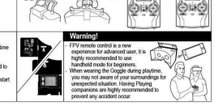
Photos taking / Video recording

Press the photographing button to take photo through the camera on the quadcopter. The Photo / Video Record Indicator will flash when a photo is taken. Press the video recording button to start recording. The LED will flash. Press the button again to stop recording. The Photo / Video Record Indicator will turn on during recording.
When the Micro SD card is full or no Micro SD card in quadcopter, the status indicator flashes continuously. Download/remove the saved data from the Micro SD card and put Micro SD card into quadcopter before taking photos again.

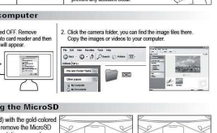
Camera Angle Adjustment:
The camera angle adjust control camera on quadcopter turns up and down.
Push the switch up and the camera will turn up.
Push the switch down and the camera will turn down.



Realtime Camera Display:
Download the app on smart phone for realtime display.(both in Apple store & Google play store)
Fix the smart phone holder on the back of transmitter.
Clip your smart phone on the holder and start your flight !



First Person View goggle :
Download the app on smart phone for realtime First Person View. (both in Apple store & Google play store)
Following the description on the card board to fold it to be a goggle.
Place your smart phone in the goggle and start your first person view flighting.



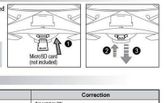
Transferring files to computer

Download photos and videos files
1. Be sure your quadcopter has been switched OFF. Remove MicroSD card from quadcopter. Insert it into card reader and then connect with computer. A pop-up window will appear.

2. Click the camera folder, you can find the image files there. Copy the images or videos to your computer.

Inserting and removing the MicroSD

1. Insert the MicroSD card (not included) with the gold-colored contacts facing up. ❷ If you want to remove the MicroSD card, push gently the card until the card disengages from the Quadcopter, and then pull it out of the slot. ❸ & ❹



Note
Compatibility of Type : Class 10/Ultra 1 or above MicroSD card
Compatibility of Capacity : Minimum 4Gb to 128Gb

Trouble Shooting

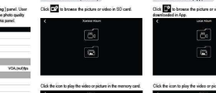
Symptom	Cause	Correction
Motor does not turn.	- ON-OFF Switch is OFF. - Weak Battery.	- Put switch to ON. - Re-charge the Battery pack.
The power indicator on transmitter blinking.	- Weak power of transmitter.	- Change new batteries in transmitter.
The quadcopter does not react.	- Pair/Sync process does not established.	- Restart the link procedures. (refer to Flying Your Quadcopter - 1. Procedure for PAIR / SYNC the quadcopter and transmitter)
Loss of control.	- Another radio control device using the same frequency. - Too many obstacles between you and your quadcopter. - Out of the control distance.	- Move to another place where without radio frequency interference from other devices. - The control range for quadcopter is up to 50 meters.

App Operation Steps

Viewer App requirements:
IOS - minimum iOS 8.0 or above, (as only device with hardwares decode H.264 video)
Android - minimum Android 4.4 or above, RAM with at least 1GB with 512MB usage,
as H.264 software decode need for it.
Prepare your device to set up the operation procedure following the below steps

Note:
Maximum 2 smart devices are acceptable to connect with Xcelsior at the same time

Setting
Click ⚙ to enter the [Setting] panel. User can format the SD card, set the photo quality and the WiFi password in the panel.



Photos and Videos (SD card)
Click 🖼 to browse the picture or video in SD card.

Click the icon to play the video or picture in the memory card.

Press and hold the picture a pop-up window will appear. User can download the file to App or delete it

Photos and Videos (App)
Click 🖼 to browse the picture or video you have downloaded in App

Click the icon to play the video or picture in App.

Press and hold the icon a pop-up window will appear. User can delete the file in App

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