

cocoon
VOYAGER

SKY SCANNER
HD QUADCOPTER



Model Number: HE160972

INSTRUCTION MANUAL





SKY SCANNER HD QUADCOPTER

Warranty Details

The product is guaranteed to be free from defects in workmanship and parts for a period of 12 months from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Competition and Consumer Act 2010 and similar state and territory laws.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

AFTER SALES SUPPORT

 **AUS** 1300 663 907

 customer@winplus.com.au

MODEL: HE160972 PRODUCT CODE: 55528 12/2016




SAFETY INSTRUCTIONS

Follow the instructions and take notice of all warning to reduce risk of fire or electric shock.

- Read the instructions in this manual thoroughly before operating your Cocoon Voyager Sky Scanner HD Quadcopter
- The Sky Scanner HD Quadcopter must be operated safely at all times. It is the operator's responsibility to always fly in safe conditions
- Always check each component of the Sky Scanner HD Quadcopter is operating correctly before flying
- Always follow local aviation rules and regulations when flying the Sky Scanner HD Quadcopter
- Do not fly the Sky Scanner HD Quadcopter on windy, rainy or low light conditions
- Always keep the Sky Scanner HD Quadcopter in direct line of sight
- Always ensure your flight area is safe
- If a problem occurs with the Sky Scanner HD Quadcopter, always contact the supplier before attempting to fly again
- Non-rechargeable batteries are not to be recharged
- Rechargeable batteries are to be removed from the toy before being charged
- Rechargeable batteries are only to be charged under adult supervision
- Exhausted batteries are to be removed from the toy
- The supply terminals are not to be short circuited
- Do not leave Sky Scanner HD Quadcopter or batteries near a heat source such as fire or heater or in direct sunlight
- Do not immerse Sky Scanner HD Quadcopter or batteries in water
- Keep batteries in a cool dry place
- Only use the provided charger to recharge the rechargeable battery

WARNING: *Incorrect operation of the Sky Scanner HD Quadcopter may result in severe injury, loss of property or fines. Winplus Australasia does not take any responsibility if local rules and regulations are not followed. Loss of the Sky Scanner HD Quadcopter is not covered by warranty.*

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RULES & REGULATIONS

The following regulations must be followed when operating a camera drone or quadcopter in Australia.

- You must only operate this aircraft in your line-of-sight in daylight
- You must **not** fly closer than 30 metres to vehicles, boats, buildings or people
- You must **not** fly over populous area, such as beaches, other people's backyards, heavily populated parks, or sports ovals where there is a game in progress
- If you are in controlled airspace, which covers most Australian cities, you must **not** fly higher than 400 feet (120 metres)
- You must **not** fly within 5.5 km of an airfield
- It's illegal to fly for money or economic reward unless you have an unmanned operator's certificate issued by the Civil Aviation Safety Authority (CASA)

Source: http://www.casa.gov.au/wcmswr/_assets/main/lib100071/flying_with_control_model.pdf

It is the quadcopter operator's responsibility to regularly check the current rules and regulations.

WARRANTY NOTE

Getting the most out of your Sky Scanner



Read the manual carefully
It will help you get set up with ease



Visit www.winplus.com.au
We've got additional support videos and guides



Call After Sales Support - 1 300 663 907
Available Monday - Friday, 8:30am - 6:00pm AEST




Email customercare@winplus.com.au
We're always happy to help

BATTERY NOTE

- Non-rechargeable batteries are not to be recharged
- Rechargeable batteries are to be removed from the toy before being charged
- Rechargeable batteries are only to be charged under adult supervision
- Exhausted batteries are to be removed from the toy
- The supply terminals are not to be short circuited
- Do not leave batteries near a heat source such as fire or heater or in direct sunlight
- Do not immerse batteries in water
- Keep batteries in a cool dry place
- Only use the provided charger to recharge the rechargeable battery

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PARTS LIST

- 1 x Cocoon Voyager Sky Scanner HD Quadcopter
- 1 x Remote Control
- 1 x Rechargeable Battery
- 1 x Balance Charger
- 1 x Power Adaptor
- 1 x Screwdriver
- 1 x 720P Camera
- 1 x 4GB Micro SD Card
- 1 x Action Camera Mount
- 6 x AA Activ Energy Batteries
- 4 x Propeller Guards
- 4 x Landing Skids
- 8 x Propellers
- 8 x sets of Accessories (pins, caps and screws)



TECHNICAL SPECIFICATIONS

QUADCOPTER

- **Quadcopter Battery:** 7.4V, 2000mAh
- **Frequency:** 2.4GHz (4 Channel)
- **Gyro:** 6 Axis
- **Control Distance:** 150m
- **Charging Time:** 200mins
- **Flying Time:** 10-14mins
- **Remote Control:** 6 x AA Activ Energy (included)
- **Dimensions:** H 19cm x W 51cm x L 51cm
- **Mass:** 625g (Drone + battery + camera) ; 490g (drone only)

ADAPTOR

- **Model no.:** JC10.0V-0600MAAU
- **Manufacturer:** ShanTou Juncheng Electronic Technology Co., Ltd.
- **Input:** 100-240V, 50/60Hz, 0.15A
- **Output:** 10V, 600mA

BATTERY

- **Model no:** 853480
- **Trade Mark:** Fullymax

FEATURES

- Auto hover feature ensures professional looking videos with fluid movement
- Up to 150m control distance
- Headless mode built-in to maintain orientation during flight
- Flight times 10-14 minutes per charge (Flight time will vary according to environment and flight pattern)

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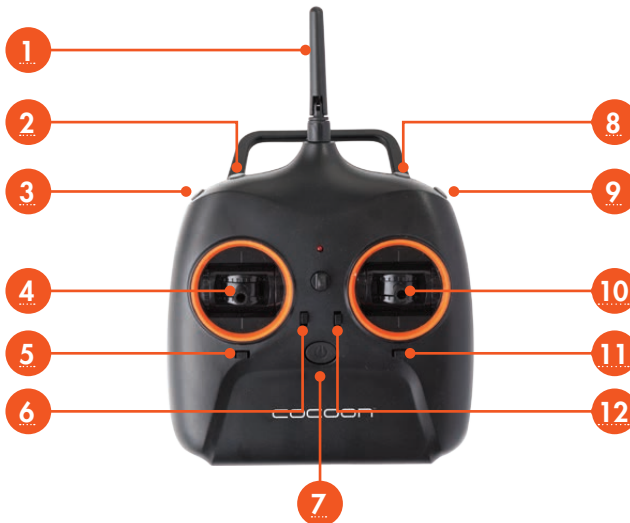
PRODUCT OVERVIEW

1.1 Cocoon Voyager Sky Scanner HD Quadcopter




1. Propeller Guards 2. Landing Gear 3. Camera 4. Propellers

1.2 Remote Control



1. Antenna 5. Trim Slider A 9. Mode Switch/
Trick Button 11. Trim Slider B
2. Record Button 6. Headless Mode 12. Trim Slider C
3. Speed Button 7. On/Off Button 10. Right Throttle
Stick
4. Left Throttle Stick 8. Photo Button

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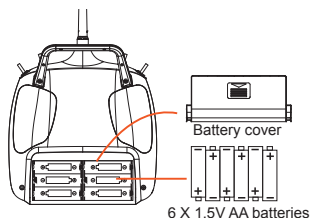
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INSTALLATION

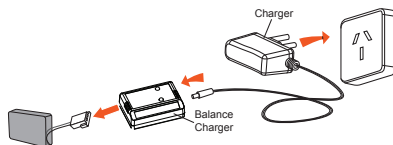
2.1 Installing the Control Batteries

- Remove the battery cover
- Install the 6 included AA batteries into the back of the remote control, taking note of the polarity positions indicated
- Replace the cover



2.2 Charging the Sky Scanner HD Quadcopter Battery

- Connect the rechargeable battery to the Balance Charger
- Connect the Power Adaptor to the Balance Charger
- Plug the Power Adaptor into a mains outlet and turn the power on
- Charge for 3 hours on first charge and then remove the battery



2.3 Installing the Propellers

- Placed the propellers labelled A1 and B1 on the corresponding Sky Scanner rods labelled A or B

IMPORTANT NOTE: If you do not place the correct letter propeller on the corresponding letter rod, your quadcopter will not fly correctly. There is no difference between the A1/A2 or B1/B2 propellers, the number is for reference only

- Place the white plastic cap through each rod as indicated in the diagram (upside down)
- Place a pin through the hole of each metal rod
- Pull the white cap upwards so the pin is sitting in the cavity of the white cap
- Twist the cap till you hear a 'click' to ensure the pin is locked and secured into the groove of the white cap
- Place the silver cap onto the metal rod and push down while turning clockwise to secure



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2.4 Installing the Landing Skids

- Insert the Landing Skids in to the bottom of the Quadcopter as shown
- Secure the Landing Skids with the included screws



2.5 Installing the Propeller Guards

- Remove the Propeller Guard covers on all 4 sides of the Sky Scanner
- Push the Propeller Guard into the slot until you hear a 'click'
- Secure the Propeller Guard with the included screws



2.6 Installing the Camera

- Insert the Micro SD card into the camera
- Insert the camera onto the base of the Quadcopter until it 'clicks' into place
- Connect the camera cord to the 'PLUG' jack



2.7 Inserting the Rechargeable Battery into the Sky Scanner

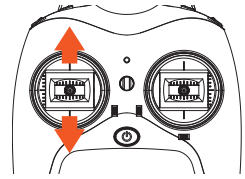
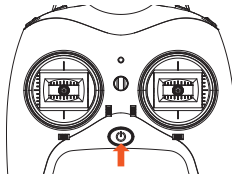
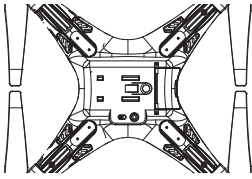
- Open the battery cover on the Sky Scanner and locate the red connector. You may need to gently pull the wire out if it is not immediately visible
- Join the rechargeable battery connector to the Sky Scanner connector
- Gently place the battery and wiring back inside the Sky Scanner and close the cover

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OPERATION

3.1 Pairing the Sky Scanner to the Remote Control

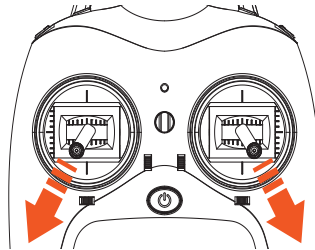
- Turn the Sky Scanner power switch to ON and place on a flat surface. The LEDs will flash indicating it is in pairing mode
- Press the power button on the remote control until you hear a beep. The LED light on the remote control will be flashing red, indicating it is in pairing mode
- Push the left throttle all the way up and then all the way down to pair. You will hear 2 beeps and the lights on the Remote Control and Sky Scanner will remain lit, indicating they are successfully paired



3.2 Unlocking Flight Controls

- To unlock flight controls, push both the left and right throttles down and away from each other as shown in the image

TIP: You can also lock and unlock flight controls by moving both throttles down and in at a 45-degree angle towards the power button



FLYING THE SKY SCANNER

WARNING: Incorrect operation of the Sky Scanner HD Quadcopter may result in severe injury, loss of property or fines. Winplus Australasia does not take any responsibility if local rules and regulations are not followed. Loss of the Sky Scanner HD Quadcopter is not covered by warranty.

TIP: The best way to know which direction the Sky Scanner is facing, is by the coloured LEDs on its base. The red lights will face forwards, while the green lights face backwards

4.1 First Flight and Auto Hover

- a. After unlocking flight controls, push the left throttle up to increase the altitude to approximately 3m
- b. Release the throttle and the Sky Scanner will hover at this height
- c. Use the left throttle to turn left or right as needed
- d. Use the right throttle to move left, right, forwards and backwards

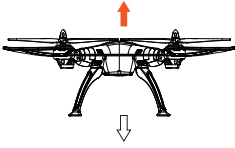
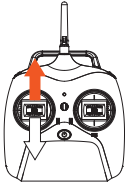
4.2 Landing the Sky Scanner

- a. Push and hold the left throttle down to lower the Sky Scanner to ground level
- b. Continue holding the throttle down making slight corrections as needed until the propellers slow and eventually stop
- c. Turn off the Remote Control and Power Off the Sky Scanner

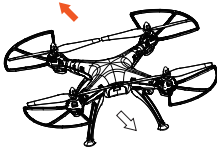
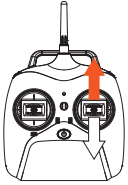
IMPORTANT NOTE: If both the red and green LEDs begin flashing while you are flying your Sky Scanner, this indicates the battery is running low. Land your Sky Scanner immediately on a level surface

FLYING MODES

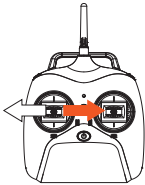
5.1 Default Mode 1 - Control Overview



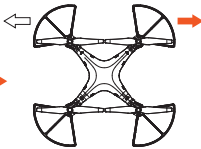
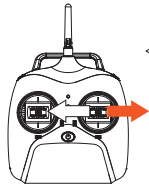
Hover up and down: Push the left throttle control stick up or down; the Sky Scanner will ascend or descend



Forwards and backwards: Push the right throttle control stick up or down; the Sky Scanner will fly forwards or backwards



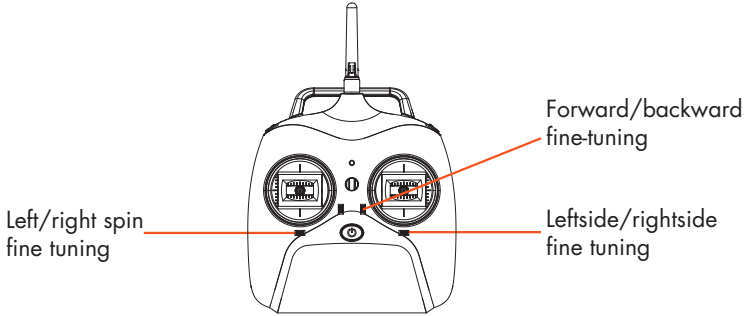
Turn left or right: Pull the left throttle control stick left or right; the Sky Scanner will turn left or right



Sideways fly: Push the right throttle control stick left or right; the Sky Scanner will fly left or right

NOTE: All control directions are reversed if your Sky Scanner is flying towards you.

5.2 Default Mode 1 - Trim Fine Tuning Control Overview



Backward Trim			
Forward Trim			
Leftside Trim			
Rightside Trim			
Left spin Trim			
Right spin Trim			

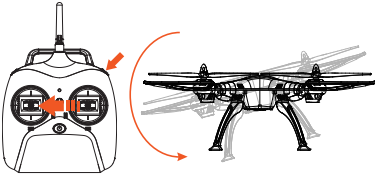
5.3 Default Mode 1 - Performing Tricks

Once you are familiar with basic flight operations, you can:

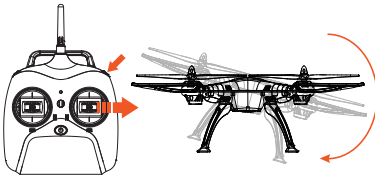
- a. Fly the Sky Scanner to a height of more than 3 metres
- b. Perform tricks such as flips with your Sky Scanner, in any speed settings

IMPORTANT NOTE: Make sure you allow enough space both above and below your Sky Scanner before attempting to perform flips

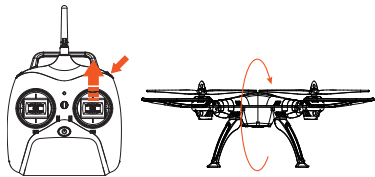
WARNING: Never attempt tricks with bent or damaged propellers or guards



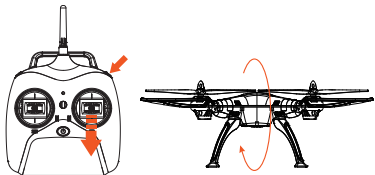
Press the Mode Switch/Trick Button once and push the right throttle to the left to perform a 360-degree left flip.



Press the Mode Switch/Trick Button once and push the right throttle to the right to perform a 360-degree right flip.



Press the Mode Switch/Trick Button once and push the right throttle forward to perform a 360-degree forward flip.

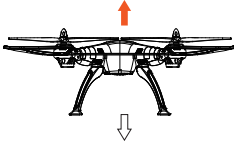
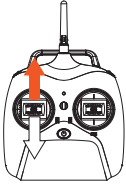


Press the Mode Switch/Trick Button once and push the right throttle down to perform a 360-degree backward flip.

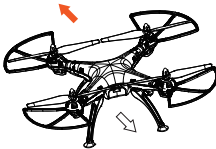
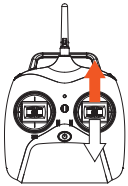
5.4 Mode 2 - Control Overview

To change modes, press and hold the Mode Switch/Trick Button for 3 seconds. The remote will beep once, indicating mode has been changed.

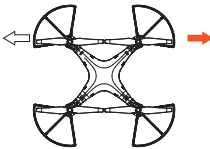
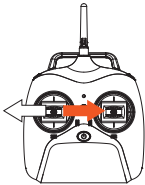
NOTE: To return to default mode, repeat the step above



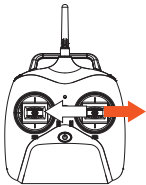
Hover up and down: Push the left throttle control stick up or down; the Sky Scanner will ascend or descend



Forwards and backwards: Push the right throttle control stick up or down; the Sky Scanner will fly forwards or backwards




Sideways fly: Push the left throttle control stick left or right; the Sky Scanner will fly left or right



Turn left or right: Pull the right throttle control stick left or right; the Sky Scanner will turn left or right

NOTE: All control directions are reversed if your Sky Scanner is flying towards you.

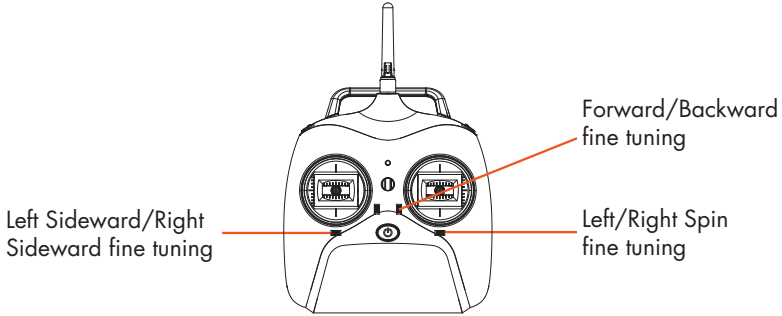
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5.5 Mode 2 - Trim Fine Tuning Control Overview

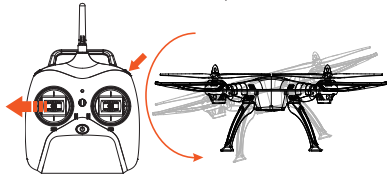


Backward Trim			<p>Backward Trimmer</p>
Forward Trim			<p>Forward Trimmer</p>
Leftside Trim			<p>Leftside Trimmer</p>
Rightside Trim			<p>Rightside Trimmer</p>
Left spin Trim			<p>Left spin Trimmer</p>
Right spin Trim			<p>Right spin Trimmer</p>

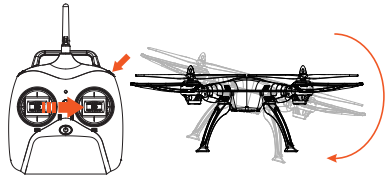
5.6 Mode 2 - Performing Tricks

IMPORTANT NOTE: Make sure you allow enough space both above and below your Sky Scanner before attempting to perform flips

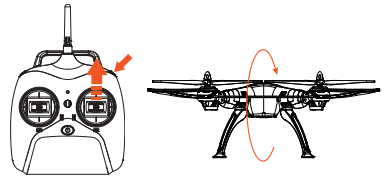
WARNING: Never attempt tricks with bent or damaged propellers or guards



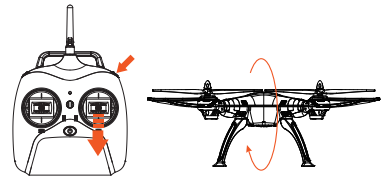
Press the Mode Switch/Trick Button once and push the left throttle to the left to perform a 360-degree left flip.



Press the Mode Switch/Trick Button once and push the left throttle to the right to perform a 360-degree right flip.




Press the Mode Switch/Trick Button once and push the right throttle forward to perform a 360-degree forward flip.



Press the Mode Switch/Trick Button once and push the right throttle down to perform a 360-degree backward flip.

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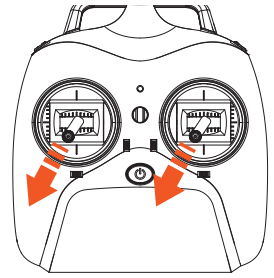
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OTHER FUNCTIONS

6.1 Auto Trim Function (Mode 1/Mode 2)

Push both left and right throttles down towards the left at a 45-degree angle as indicated in the diagram for 10 seconds. When the light on the PC board of the Sky Scanner is flashing rapidly, release the throttles and the light on the PC board will remain lit, indicating auto trim is complete.



6.2 Speed Function

Press the Speed button to toggle low and high speed modes. It is recommended you only fly in the default low speed mode until you are confident in your abilities. More speed means bigger crashes. This can result in damage to the Quadcopter. Damage through incorrect use and poor control will void your warranty.

NOTE: When changing speed modes, one beep on the Remote indicates you have selected the slowest speed, two beeps indicate medium speed, and three beeps indicate highest speed selected.

6.3 Auto Land Function

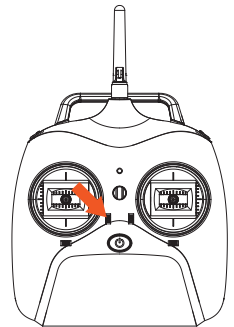
Press the Headless Mode/Auto Land Button to lower your Sky Scanner to the ground from its current location. When it reaches the ground, it is recommended you take control but pushing the left throttle all the way down, making slight corrections as needed until the propellers slow and come to a stop.

6.4 Headless Mode

To activate Headless Mode on your Sky Scanner, press and hold the Headless Mode/Auto Land Button until the Remote Control beep once.

When Headless Mode is activated, the LED lights on the Sky Scanner will stop flashing once it has taken off. The Sky Scanner will automatically set the side moving forward as the front direction for Headless Mode.

NOTE: To deactivate Headless Mode, repeat the step above



6.5 Taking Photos & Videos

Taking a Photo

NOTE: Ensure you have inserted a Micro SD card into the Camera and the Camera cord is connected to the Sky Scanner's 'PLUG' jack

To take a photo, press the Photo Button (marked 'b'). The Remote Control will beep once, indicating a photo has been taken

Recording a Video

NOTE: Ensure you have inserted a Micro SD card into the Camera and the Camera cord is connected to the Sky Scanner's 'PLUG' jack

To take a video, press the Record Button (marked 'a'). The Remote Control will beep once, indicating video is recording. To stop recording, press the Record Button again. The Remote Control will beep once again, indicating video has stopped.


IMPORTANT NOTE: If both the red and green LEDs begin flashing while you are flying your Sky Scanner, this indicates the battery is running low. Land your Sky Scanner immediately on a level surface.



6.6 Downloading Photos and Videos onto your PC

- a. Eject the Micro SD Card from your Sky Scanner's Camera
- b. Insert the Micro SD Card into a card reader (not included)
- c. Plug the Card Reader's USB Port into your PC's USB Port
- d. Your PC should automatically detect and open a folder containing your photos and videos. Copy them to your computer like you would in a digital camera

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ACTION CAMERAS

7.1 Mounting your Action Camera onto the Sky Scanner

You can mount your GoPro®* Camera or Action Camera (not included) onto the Camera Adaptor included, using the various cases or mounts that came with your Action Camera.

- a. Connect your Action Camera to the included adaptor
- b. Slide the adaptor with camera onto the quadcopter
- c. Use your camera to record as per the manufacturer's instructions

IMPORTANT NOTE: *Damage to your Action Camera through incorrect use of the Sky Scanner is not covered by warranty. Ensure you are confident with the controls and flight before attaching your camera.*

**Can be used with GoPro® cameras. This product and/or service is not affiliated with, endorsed by, or in any way associated with GoPro Inc. or its products and services. GoPro, HERO, and their respective logos are trademarks or registered trademarks of GoPro, Inc.*

FAQS

Q: My Sky Scanner did not pair with my Remote Control

A: Turn off the Sky Scanner and switch it back on. Place it on a flat surface. Turn on the remote control and move the left control stick all the way up and all the way down to pair. If there is no LED on the Quadcopter or Remote Control, check your batteries are charged.

Q: Can I add a GoPro camera?

A: Yes, included in the pack is a GoPro Adaptor. Use your camera's case or other various attachments to secure it on the drone. Note ensure you are a confident flyer before attaching your camera. Winplus is not responsible for lost or damaged property due to user inexperience.

Q: Where can I buy spare parts like batteries or propellers?

A: Visit www.cocoonvoyager.com.au to order additional parts.


Q: Why isn't my drone flying as long with a GoPro or similar camera?

A: Adding extra weight to your drone will reduce the flight per charge time.

Q: How do I land and stop the Quadcopter?

A: Simply hold the throttle down until the blades slow and eventually stop. Make minor corrections as you lower and stop the drone.

After Sales Support

 1300 663 907

 customercare@winplus.com.au

Model Number HE160972



SKY SCANNER HD QUADCOPTER

Repair and Refurbished Goods or Parts Notice

Unfortunately, from time to time, faulty products are manufactured which need to be returned to the Supplier for repair.

Please be aware that if your product is capable of retaining user-generated data (such as files stored on a computer hard drive, telephone numbers stored on a mobile telephone, songs stored on a portable media player, games saved on a games console or files stored on a USB memory stick) during the process of repair, some or all of your stored data may be lost.

We recommend you save this data elsewhere prior to sending the product for repair.

You should also be aware that rather than repairing goods, we may replace them with refurbished goods of the same type or use refurbished parts in the repair process.

Please be assured though, refurbished parts or replacements are only used where they meet ALDI's stringent quality specifications.

If at any time you feel your repair is being handled unsatisfactorily, you may escalate your complaint. Please telephone us on 1300 663 907 or write to us at:

Winplus Australasia
PO BOX 537
Bayswater Business Centre
Bayswater, VIC 3153

Winplus Help Desk 1300 663 907
(Operating Hours: Mon-Fri 08:30AM to 6:00PM)

customercare@winplus.com.au
www.winplus.com.au

AFTER SALES SUPPORT

 (AUS) 1300 663 907

 customercare@winplus.com.au

MODEL: HE160972 PRODUCT CODE: 55528 12/2016



 COCOON
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