

Anakin User guide **V1.0**





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INTRODUCTION

CONGRATULATIONS on your purchase of a SKY-HERO Anakin, we hope that it will provide you with many years of fun and entertainment.

SKY-HERO products are designed and developed in Belgium (Europe), but distributed and supported across the globe through a network of dealers and outlets that can provide assistance and advice.

The SKY-HERO ethos is simple; provide cool, flexible, high quality aircraft, and back all products with a fair and reasonable support service.

SAFETY ADVICE

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THIS AIRCRAFT IS NOT A TOY!

IT'S A RACING MACHINE!

All SKY-HERO aircraft can be considered as a sophisticated leisure products, which require handling with care and caution in order to avoid injury to yourself or others. Ensure that you fully review all of the information in this instruction manual and familiarise yourself with the characteristics of this SKY-HERO aircraft before attempting to fly it. This instruction manual has been designed with safety in mind and is provided to help you assemble your aircraft and to prepare it for use. Make sure to read all safety all intructions of this manual especially if you are beginners!

GENERAL INSTRUCTIONS AND GUIDELINES FOR USE

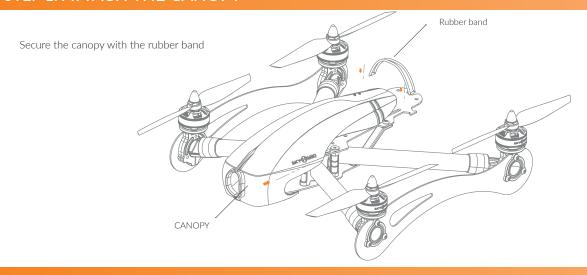
- The aircraft should not be flown by children and definitely not anyone under the age of 14
- Failure to follow and comply with the safety advice and recommendations in this manual, can result in serious injury to you, others or property.
- You should always check the local laws and regulations of the country where you will operate the aircraft, to ensure you are in com- pliance with them. In particular you should avoid any sensitive areas such as Military establishments, Airports, Power stations and populated areas.
- Always keep an adequate safe distance around the aircraft, ensuring that you avoid proximity to buildings, people and anything which is outside of your control.
- The aircraft is controlled by radio signal which can be subject to interference outside of your control, a loss of radio contact with the aircraft puts it out of your control and could cause unpredictable results.
- Never fly the aircraft in confined or built up areas, where you might lose visibility of the aircraft.
- Never fly the aircraft in bad weather or strong winds, doing so could cause you to lose control with unpredictable results.
- Never approach the aircraft until the propellers have stopped turning and never try to touch it whilst it is in flight.
- Keep your batteries away from children, young children could attempt to put them in their mouth with dangerous consequences.
- Do not expose the aircraft to water, moisture or liquids.
- Do not attempt to fly the aircraft when battery power is low (including transmitter battery).
- Before each flight, make sure that all propellers are securely attached, that there is no damage to the aircraft or its electronics and wiring.
- Always disconnect the battery power to the aircraft before turning off the transmitter and always turn the transmitter on (checking the position of all controls) before connecting the battery
- Always following the instructions provided with your Flight Controller and any accessory equipment such as transmitter, battery chargers etc.

REQUIRED EQUIPMENT

Internet connection

I. PREPARE YOUR ANAKIN

STEP 1: ATTACH THE CANOPY



STEP 2: CHARGE YOUR BATTERY

Before flying with your Anakin, you must charge the included lipo battery.



WARNING: Please read the safety instructions and warnings page 18 before charging or using battery!

IMPORTANT SAFETY INSTRUCTIONS AND WARNINGS

- 1. Plugin the sector adapter into the charger
- 2. Then connect the LIPO Battery white balancing connector in the 3 cells input on the adapter



- Constant RED light

 Power is connected
- Flashing GREEN (Battery is on charge
 Flashing GREEN and RED Battery or charging process is going wrong
- Constant GREEN Charging

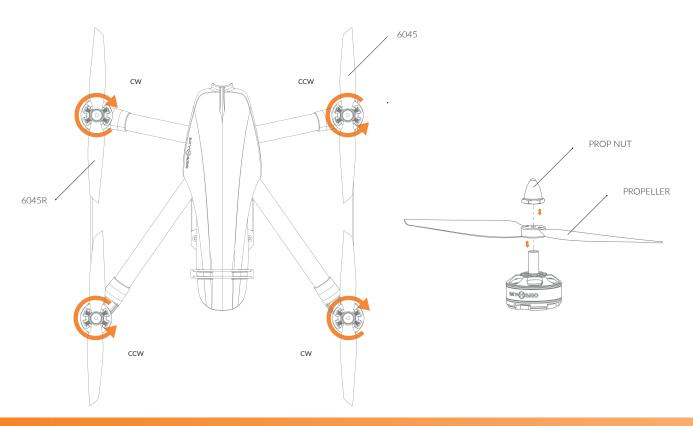
STEP 3: INSTALL TRANSMITTER (VTX) ANTENNA



STEP 4: ATTACH PROPELLERS ON MOTORS

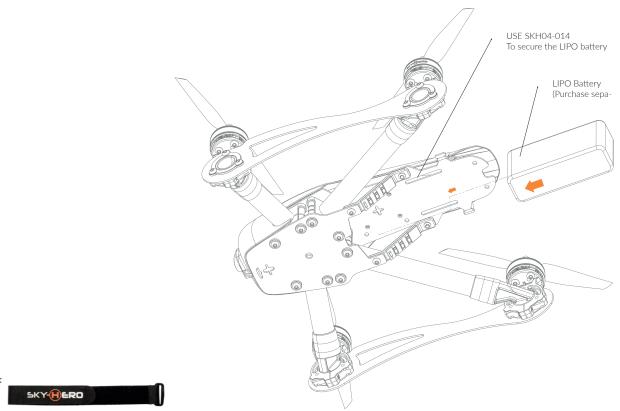
Install the propeller shaft (supplied with your motors) on each motors, depending of the diameter of the prop shaft, you might need to use an insert on the washer that comes with your propellers to ensure a tight fit to the shaft and proper alignement.

Sky-Hero recommends that you use a propeller balancer to balance your propellers, then install the propellers on each motors - (ensuring that their direction of rotation corresponds to the diagram below)



STEP 5: INSTALL THE BATTERY

Insert your battery as shown, securing it with the battery strap * Ensure that the aircraft is reasonably well around it's CoG point.



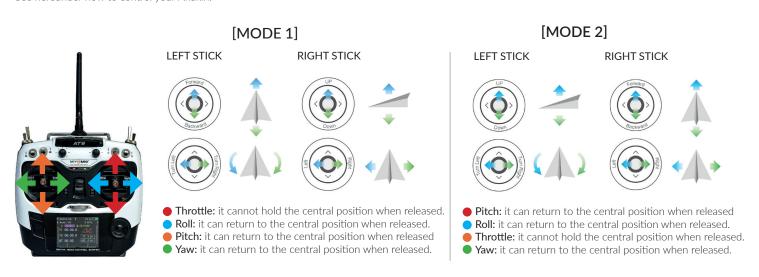
II. CONTROL YOUR ANAKIN USING LINK9





BASIC COMMANDS

See hereunder how to control your Anakin.



ADVANCED SETTINGS OF YOUR SKY-HERO LINK9

If you want to take full advantage of your SKY-HERO Radio you can download the full user manual on our website: <a href="www.sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com/downloads/sky-hero.com

HOW TO BIND OR RE-BIND YOUR RADIO WITH YOUR ANAKIN (using Sky-Hero LINK9 radio)

- Turn your Link9 on
- Plug your lipo in your ANAKIN
- Push and hold the bind button until the Led start blinking
- Push again the button again until it starts blinking blue (meaning S.BUS-mode)
- Once the Led turns solid blue, it's bound



Signal power level: Low Mid

FLIGHT MODES

1. STABILIZED SUPER SOFT: (ATTITUDE MODE) - Switch 3 in UP postion

High

Anakin comes back to a flat position when LEFT STICK is back to neutral position - The maximal angle of the drone is VERY LIMITED.

2. STABILIZED SOFT: (ATTITUDE MODE) - Switch 3 in MIDDLE postion

Anakin comes back to a flat position when LEFT STICK is back to neutral position - The maximal angle of the drone is LIMITED.

3. SEMI-ACRO: (RATITUDE MODE) - Switch 3 in DOWN postion

Anakin comes back to a flat position when LEFT STICK is back to neutral position - The maximal angle of the drone is UNLIMITED.

STARTING SEQUENCE

STARTING AND STOPPING MOTORS

(PUSH CONTROL TO CORNER POSITION)

(THIS MAY BE CHANGED IN OPENPILOT SOFTWARE)



BEFORE TAKE OFF!



1: OPERATE YOUR AIRCRAFT SAFFLY

- Refer to and follow all safety precautions mentioned in the "General Instructions and Guidelines for use" section of this manual.
- Make sure your switches on the LINK9 are in the desired position especially flight mode switch.
- Ensure that you always turn on your transmitter before connecting the aircraft battery power.
- Make sure your ANAKIN stays on a flat surface just having plugged the battery
- After flying, make sure that you always disconnect the aircraft battery before turning off the transmitter.
- On the transmitter, ensure that the throttle control is at the lowest position.
- Check that your aircraft is ready for flight with no loose screws or fittings (pay special attention to the propellers) insert a battery into the battery bay and use the provided strap to secure the battery in place.
- Connect the battery cable to the connector on the aircraft. (Important: make sure you keep the aircraft id droped on a leveled surface and wait still while calibrating startup process is finished CC3D stops flashing)

3: FLIGHT TEST YOUR ANAKIN

Fly 5 minutes in hover and then land your aircraft.

Disconnect the battery and check the temperature of the motors and tubes: they may be warm, but must not be hot. Recharge the battery and check the capacity (mAh) that your charger puts back into the battery. This mAh value will cor- respond to the power consumption of your Anakin during the 5 minute flight.

4: CALCULATING YOUR IDEAL FLIGHT TIME

If for example: you use a 5000 mAh battery and after 5 minutes of hovering, you put it on charge and 2000 mAh of power is put back into the battery. To translate this into your ideal flight time, you need to divide the capacity of the battery (5000mAh) by recharged mAh amount (2000mAh) and multiply the result by the duration of your flight in minutes (5 min).

Example: 5000/2000 = 2.5 x 5 min = 12 min 30. This is your approximate maximum flight time.

For safety reasons, we would advise that you do not fly beyond more than 80% of the maximum flight time.

In our example, if you fly for about 10 minutes, you should have enough power to return and land without risking damage to your battery.

If your transmitter has a countdown or a timer function, it is advisable to use it! Windy conditions and cold temperatures can adversely affect your max flight time.

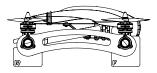
Note: You need to calculate the flight time individually for each type/specification of battery that you have.

III. ANAKIN FRAME ADJUSTEMENTS (ADVANCED)

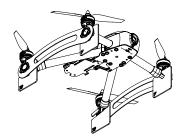
Anakin has been conceived to be adjustable in many ways. You can play with several frame adjustments to make a perfect match between your profile and the flight behaviour of the frame: Arm's geometry, Motor Tilt Angle & Camera Angle.

They can be combined almost to infinity. To make changes on the frame, please refer to the Anakin Assembly Instruction Manual (AIM) / Anakin_AIM_v1.0.pdf (click on the link or go to www.sky-hero.com)

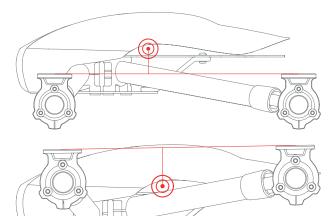
Also, included in the box, you will find jig's to calibrate the geometry of Anakin. We strongly advice you control the geometry of the frame especially after a crash.







1. ARMS' GEOMETRY



HIGH C.G. POSITION

(Front tube down + rear tube down)

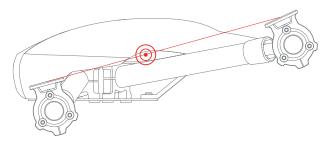
High position C.G. High ground clearance

- More agressive reactions
- Better turn in
- Neutral turn out

LOW C.G. POSITION

(Front tube up + rear tube up)

• More stable forward flight, stable turn out, slower turn in.



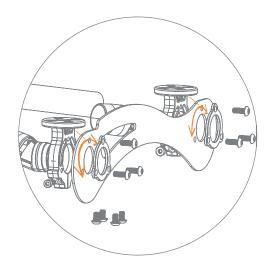
CROSSED SETUP

(Front tube down + rear tube up)

Neutral C.G. position 15°angle for mobius camera +15° to FPV camera

- Lower drag
- Best overall racing setup
- Highest speed
- Most neutral rections
- Feels more locked in

2. MOTORS TILT ANGLE



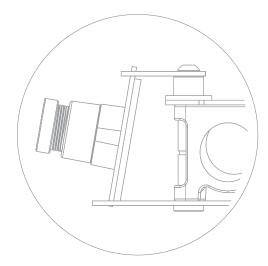


From 0° = Neutral reaction, more drag, less speed



3. CAMERA ANGLE

Anakin has been conceived to be adjustable in many ways. You can play with several frame adjustments to make a perfect match between your profile and the flight behaviour of the frame: Arm's geometry, Motor Tilt Angle & Camera Angle.



0. 10° = Flat vision, ideal to start and learn

10. 20° = Perfect 2nd stage FPV experience

APPENDIX 1: LOAD A SKY-HERO ANAKIN PID PROFILE FILE (ADVANCED)

Download OpenPilot Software (VERSION 15.02.02)

Windows NSIS installer:

http://www.sky-hero.com/softwares/OpenPilot/15.02.02/OpenPilot_WIN32_15.02.02.exe

Mac OS X distribution image:

http://www.sky-hero.com/softwares/OpenPilot/15.02.02/OpenPilot_MACOSX_15.02.02.dmg

Linux 32 bit Debian package:

http://www.sky-hero.com/softwares/OpenPilot/15.02.02/OpenPilot_LINUX32_15.02.02.deb

Linux 64 bit Debian package:

http://www.sky-hero.com/softwares/OpenPilot/15.02.02/OpenPilot_LINUX64_15.02.02.deb

Connect your computer to your ANAKIN 280 RTF Flight controller with a USB cable.

PLEASE NOTE THAT THE CC3D IS NOT SUPPORTED BY OPENPILOT IN RELEASES HIGHER THAN 15.02.02

Please make sure to use a Sky-Hero profile file. You can download OpenPilot profile file on the Sky-Hero website.

FOR YOUNG PILOTS (beginners):

Early beginners setup: http://www.sky-hero.com/softwares/PIDS/beginner.uav.zip
Gentle setup: http://www.sky-hero.com/softwares/PIDS/anakin rtf 15.02.02.uav.zip

FOR ADVANCED PILOTS:

Standard setup: http://www.sky-hero.com/softwares/PIDS/intermediate.uav.zip

FOR EXPERTS:

Sky-Hero expert default: http://www.sky-hero.com/softwares/PIDS/factory_pilot.uav.zip

Sky-Hero team pilot: Yves Coppye setup: http://www.sky-hero.com/softwares/PIDS/anakin_yves_15.02.02.uav.zip



From the main interface, click the "File" menu and select "Import UAV Settings"



Click "Save to Board Flash", close it after the progress bar shows 100% done. Your ANAKIN 280 FPV is now upgraded with the selected profile.



Browse your computer to the file you have previously downloaded. It has an «.uav» extension and click "Open".

APPENDIX 2: CALLIBRATION OF FLIGHT CONTROLLER & ESC'S

Download OpenPilot Software (VERSION 15.02.02)
Windows NSIS installer:

http://www.sky-hero.com/softwares/OpenPilot/15.02.02/OpenPilot WIN32 15.02.02.exe

Mac OS X distribution image:

http://www.sky-hero.com/softwares/OpenPilot/15.02.02/OpenPilot_MACOSX_15.02.02.dmg

Linux 32 bit Debian package:

http://www.sky-hero.com/softwares/OpenPilot/15.02.02/OpenPilot_LINUX32_15.02.02.deb

Linux 64 bit Debian package:

http://www.sky-hero.com/softwares/OpenPilot/15.02.02/OpenPilot LINUX64 15.02.02.deb

PLEASE NOTE THAT THE CC3D IS NOT SUPPORTED BY OPENPILOT IN RELEASES HIGHER THAN 15.02.02

Connect your computer to your ANAKIN 280 ARF Flight controller with a MicroUSB cable. Click the Vehicle Setup Wizard icon to start the setup.





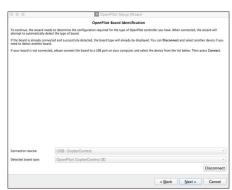
Nothing needs to be changed here, just click "Next"



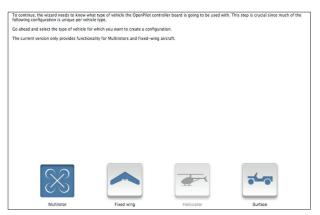
You will be asked to choose the receiver type among four options, please choose your receiver according to the introduction above, if you make the wrong choice here the receiver won't work. Click "Next"when done.



Click "Next" to Firmware Update.



Nothing needs to be changed here, just click "Next"

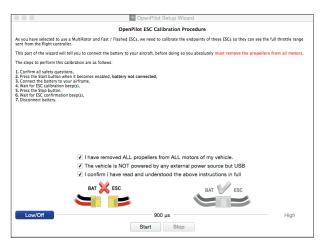


Select "Multirotor" and click "Next"



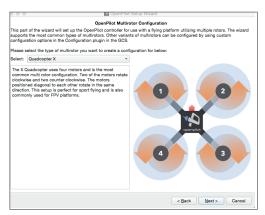
On the ESC menu we have Standard ESC, Rapid ESC and OneShot ESC.

ANAKIN 280 ARF is equipped with with OneShot ESC's, if you are using PPM, SBUS or DSM receiver the OneShot ESC will be active in blue rather than grey out, choose OneShot ESC and click "Next".



The wizzard will calibrate the ESC end points. Tick the $3\$ boxes as showing above and make sure to follow the instruction steps.

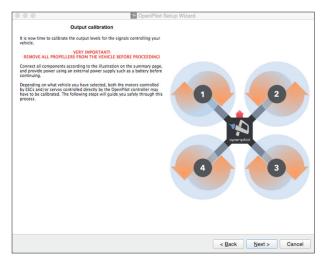
Click "Next" to calibrate on ESC output

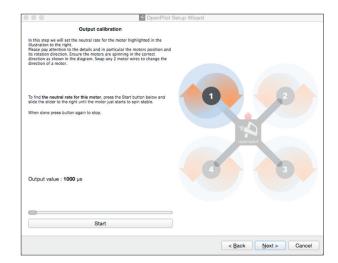


Keep the default "Quadcopter X", click "Next" to setup ESC



Now the basic configuration has completed, review the settings and click "Next". Now you will proceed with the sensors calibration for the CC3D. Put the ANAKIN 280 FPV on a flat surface, click "Calculate" button to start the calibration, and click "Next" when done. Click "Next" to calibrate on ESC output





Now the wizard will calibrate the output of the highlighted motor in the diagram. Please double check if the motor's rotating direction is the same as the one showing in the diagram.

Follow the instructions to find the neutral rate (slowest constant speed) of the first motor and click "Next", then do the same for the three other motors. Click "Next" to continue.



Use the default setting here unless you know what you are doing, then click "Next".



Click "Finish" and back to the home page:



Click the "Save" button to save all previous settings.

APPENDIX 3: SETUP ANAKIN SETTINGS IN FLIGHT CONTROLLER

Now the basic setup of CC3D is completed, you need to double check that everything is done correctly.



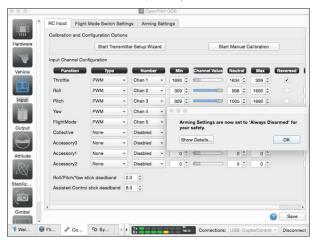
Go back to OpenPilot homepage and click "Configuration" tab at the bottom and have a look at the "HW Settings".



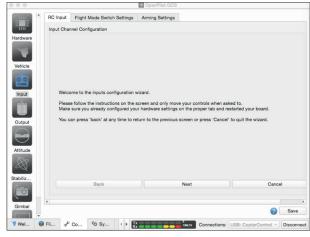
If you've chosen S.Bus receiver in the wizard:

Click "Hardware" tab on left, check the Flexi Port and Main Port settings and make sure they are the same as on the screenshot. If there's any difference please change accordingly and click "Save".

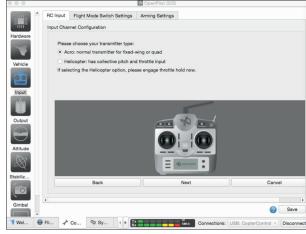
Now it's time to calibrate the radio, click "Input" tab on the left and click on "Start Transmitter Setup Wizard".



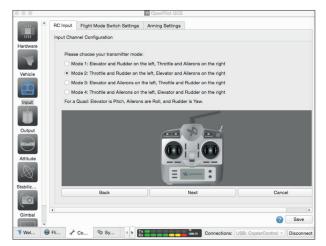
Accept the safety notice by click "OK"



Click "Next"



Select "Acro" then click "Next".



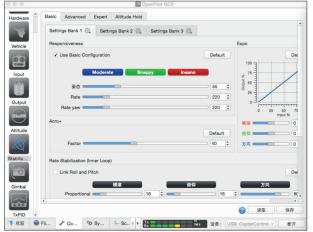
Select the correct mode according to your transmitter and click "Next", carefully follow the screen prompt until the calibration process is finished. Make sure you fully understand the arming process and select the preferred arming combination under "Arming Settings". Don't forget to click "Save" to save all the settings.



Click "Attitude" tab from the left, and make sure you put "180" into the "Roll" setting. This is very important, failing to do so will cause an instant crash on your first flight.



Click **"Flight data"** tab from the bottom bar, check the hud and make sure it corectly reflect all the movements of the ANAKIN.



WARNING: **A**

PLEASE DO NOT MODIFY THESE SETTINGS UNLESS YOU ARE FAMILIAR WITH CC3D AND KNOWS WHAT YOU ARE DOING. SAVED MISCONFIGURE MAY CAUSE HARDWARE ISSUES THAT BEYOND END USER'S REPARABILITY AND CAN ONLY BE FIXED BY PCB REPLACEMENT.

LIMITED WARANTY

WARRANTY AND REPAIRS

Warranty requests will be processed only with an original proof of purchase from an authorized SKY-HERO dealer, showing the name of the buyer as well as the date of purchase. If the case for Warranty is confirmed, the product will be repaired. Only SKY-HERO will be able to take the decision about repairing the product. SKY-HERO will only accept a return under warranty in case of proven of evident product failures:.

In case of paid repairs, we establish a quote that we pass to your dealer. The repairs will be carried out only after we have received confirmation from the dealer. The price of the repairs must be paid to the dealer. For chargeable repairs, we charge at least 30 minutes of work in the workshop as well as forwarding fees. In the absence of an agreement for the repairs within a period of 90 days, we reserve the option to destroy the product or use it otherwise.

WARRANTY PERIOD

Exclusive Warranty: SKY-HERO ensures the product purchased (the «Product») will be free from defects in improper materials and work-manship (subject to the terms set forth herein) in accordance with the official documentation for the applicable Warranty Period from the date of retail purchase. Warranty is governed by and construed under the laws of the country in which the original product purchase took place. The warranty period is 6 months and the duration of warranty obligation of 18 months at the expiration of the warranty period.

WARRANTY LIMITATIONS

- (a) The Warranty applies only to the original purchaser and is not-transferable. The Purchaser's legal rights consists of repair or exchange under this Warranty. The Warranty applies only to products purchased from an authorized dealer of SKY-HERO products. Sales via third parties are not covered by this Warranty. Your Anakin is covered by this Warranty under the specified Warranty period starting from the original purchase date. Proof of the original purchase date is required for Warranty service. SKY-HERO reserves the right to modify the provisions of this Warranty without prior notice and then revokes the existing Warranty provisions.
- (b) SKY-HERO assumes no Warranty as to the merchantability of the product capabilities and the physical form of the user for a given use of the product. It is the sole responsibility of the Buyer to verify whether the product corresponds to its capacity and intended use.
- (c) Buyer's rights: SKY-HERO will inspect the product and in its sole discretion repair or replace it with a refurbished product or functional equivalent. These are the Buyer's exclusive legal rights of recovery where a defect is found. The decision made by SKY-HERO shall be final and binding upon you.

SKY-HERO may refuse to provide inspection, repair or replacement service for products that are out of Warranty and will charge fees if these services are provided for out-of-warranty products.

Damage or alteration of Warranty, quality or authenticity stickers, and/or product serial or electronic numbers, unauthorized repair or modification, or any physical damage to the product or evidence of opening or tampering with the product casing will also avoid this Warranty.

ATTENTION

We only carry out and cover repairs (under valid warranty) to electronic components and engines. Repairs to anything else, must therefor be carried out by the purchaser themself.

DAMAGE LIMITATION

To the extent permitted by applicable law, SKY-HERO disclaims any infringement, consequential, indirect, or incidental damages, including but not limited to lost profits, lost business investments, lost goodwill, or damages.

In addition, SKY-HERO shall also not be responsible for failure or any third party equipment, even if SKY-HERO has been advised of the possibility. SKY-HERO shall not be liable for any personal injury or death or any loss or damages to property arising from the product used in a situation in which personal injury or deaths is likely occur.

If you are not ready, as a buyer, to accept the liability associated with the use of the product, we ask you to return the complete product to the vendor, unused and in its original packaging.

QUESTIONS, ASSISTANCE AND REPAIRS

Without consulting SKY-HERO directly, your local dealer or point of sale can perform an estimate as to your eligibility for repair under our Warranty. Please, in such a case, contact your dealer who will agree with SKY-HERO of an appropriate decision, to assist you as soon as possible.

REPAIRS UNDER WARRANTY

If your product requires maintenance or repair, please contact either your dealer or SKY-HERO directly. Package the product carefully. Please note that the original packing carton does not, as a general rule, protect the product from damage that can occur during transport. Use a Parcel delivery service that provides tracking of shipment as well as sufficient carriage insurance, as SKY-HERO can accept no responsibility for the product until it has been received and signed for by one of our employees.

Please ensure that you provide a valid proof of purchase, detailed reasons for the return as well as a list of all items included within your parcel. We also need a full return mailing address together with phone number (please provide the international dialling code as necessary) and a contact e-mail address in case of questions.

BATTERY USAGE CAUTIONS



- Lithium Polymer batteries are volatile. Failure to read and follow the below instructions may result in fire, personal injury and damage to property if charged or used improperly.
- Neither Sky-Hero, or our retailers assume any liability for failures to comply with these warnings and safety guidelines.
- By purchasing this battery, the buyer assumes all risks associated with lithium batteries. If you do not agree with these conditions, return the battery immediately before use.

GENERAL GUIDELINES AND WARNINGS

- Use specific Lithium Polymer charger only. Do not use a NiCd or NiMh charger Failure to do so may cause a fire, which may result in personal injury and property damage.
- Never charge batteries unattended. When charging Li-Po batteries you should always remain in constant observation to monitor the charging process and react to potential problems that may occur.
- Some Li-Po chargers on the market may have technical deficiencies that may cause it to charge the Li-Po batteries incorrectly or at an improper rate. It is your responsibility solely to assure the charger you purchased works properly. Always monitor the charging process to assure batteries are being charged properly. Failure to do so may result in fire.
- If at any time you witness a battery starting to balloon or swell up, discontinue charging process immediately. Disconnect the battery and observe it in a safe place for approximately 15 minutes. Continuing to charge a battery that has begun to swell will result in fire. Likewise, never use a battery if you find it swollen or ballooned upon purchase.
- Since delayed chemical reaction can occur, it is best to observe the battery as a safety precaution. Battery observation should occur in a safe area outside of any building or vehicle and away from any combustible material.
- Wire lead shorts can cause fire! If you accidentally short the wires, the battery must be placed in a safe area for observation for approximately 15 minutes. Additionally, if a short occurs and contact is made with metal (such as rings on your hand), severe injuries may occur due to the conductibility of electric current.
- A battery can still ignite even after 10 minutes.
- In the event of a crash, you must remove battery for observation and place in a safe open area away from any combustible material for approximately 15 minutes.
- If for any reason you need to cut the terminal wires, it will be necessary to cut each wire separately, ensuring the wires to not touch each other or a short may occur, potentially causing a fire.
- To solder a connector: Remove insulating tape of Red wire and solder to positive terminal of a connector, then remove insulating tape of Black wire and solder to the negative terminal of connector. Be careful not to short the wire lead. If you accidentally cause the battery to short, place it in a safe open space and observe the battery for approximately 15 minutes. A battery may swell or even possibly catch fire after a short time.
- Never store or charge a battery pack inside your car in extreme temperatures, since extreme temperature could cause fire.

OPERATING TEMPERATURES

Charge: 32 to 113 degrees F Discharge: 32 to 140 degrees F

- 1) Let battery cool down to ambient temperature before charging.
- 2) During discharge and handling of batteries, do not exceed 160 degrees F.

BATTERY LIFE

Batteries that lose 20% of their capacity must be removed from service and disposed of properly.

Discharge the battery to 3V/Cell, making sure output wires are insulated, then wrap battery in a bag for disposal.

PRODUCT WARRANTY

Product warranty is limited to original defects in material and workmanship. Warranty does not cover collateral damage. Due to the nature and use of this product there is no term warranty. Misuse, abuse, incorrect charging, failure to comply with the above warnings and guidelines, and other inappropriate use of this product are not covered under warranty.

FIRST FLIGHTS

We recommend 3-5C max average discharge for breaking in new packs. Also be extremely careful not to over discharge new packs (Packs should NEVER be over discharged at any time, but over discharging on the first flight will ruin the battery permanently before you are able to enjoy it. See "Caring for Battery" below).

SUPPORT

For all inquiries please send an email to support@sky-hero.com

