

Manual Hardware Conversion Blade® 350 QX Version 2

Besides upgrading your software to Version 2.0, the GPS board and antenna will need to be relocated to improve GPS reception. Use the following instructions to relocate your hardware.

1. Prepare your working surface by laying down a towel or soft cloth.
2. Remove the Prop-screws with a 2mm Hex wrench



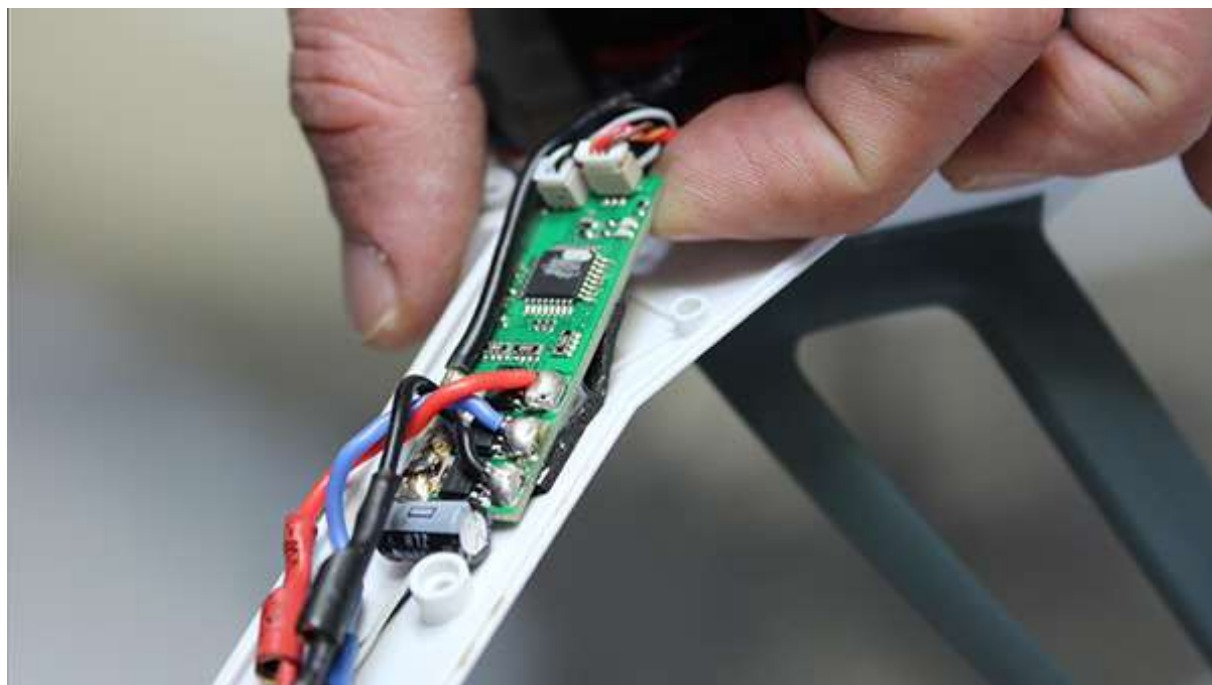
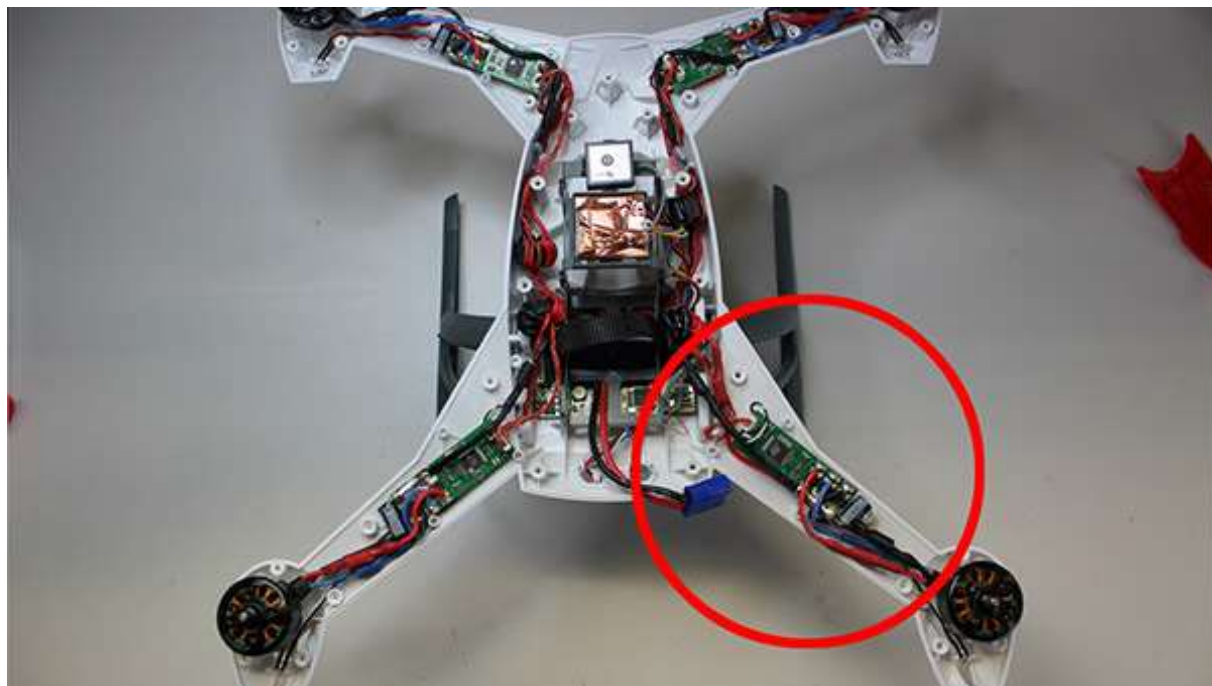
3. Turn your Blade 350 upside down and loosen the 32 body screws using a 1.5mm hex wrench.



4. Flip the 350 QX back over on its landing gear. Rotor arms # 1 and # 2 should point to front and the arms # 3 and # 4 should point to the back.
Tip: In some cases the body is attached with CA glue in the middle of the arm. Separate them very carefully with a suitable tool.



5. Loosen the ESC Board from rotor arm # 3

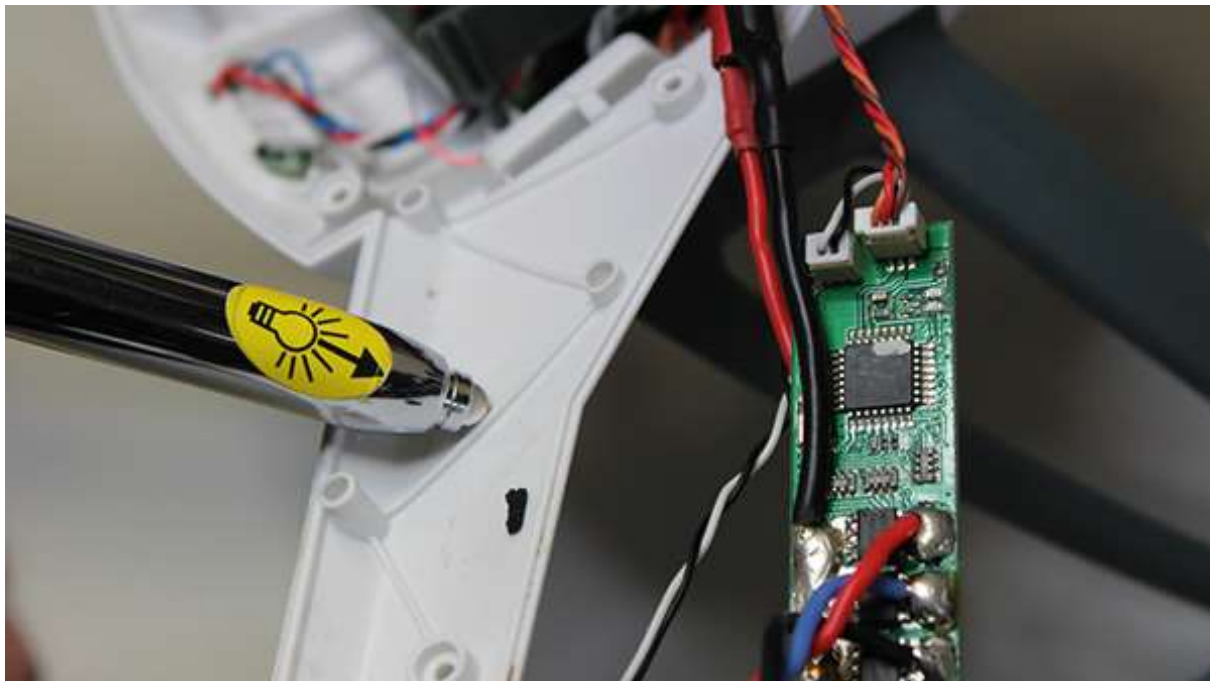


6. Remove the double sided tape from the bottom side and carefully set the electronics aside.



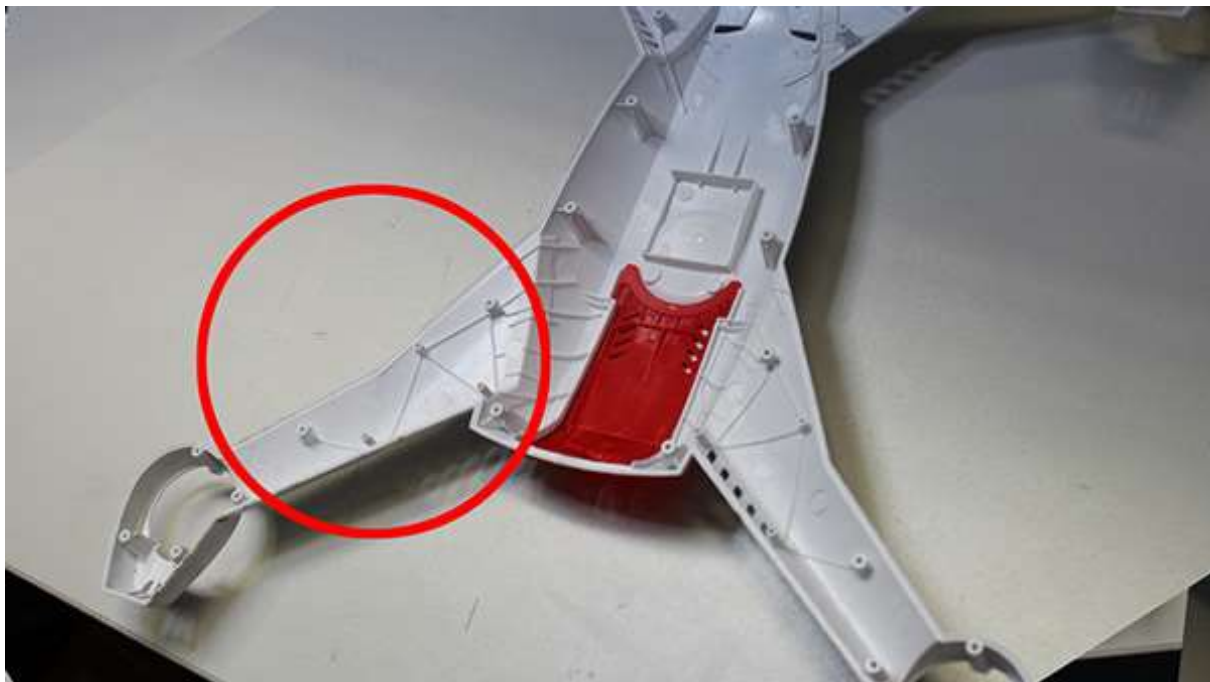
7. Remove the two fillets pointed out below using a hobby knife or rotary tool. Be careful to not remove too much material and we advise you wear a dust mask if you use a rotary tool.

IMPORTANT: Please assure that the surface is completely smooth and no ridges are left as the ESC & GPS will be mounted in this location. It's essential that the GPS Unit is not being sandwiched by the body, be sure the body is not putting pressure on the unit.



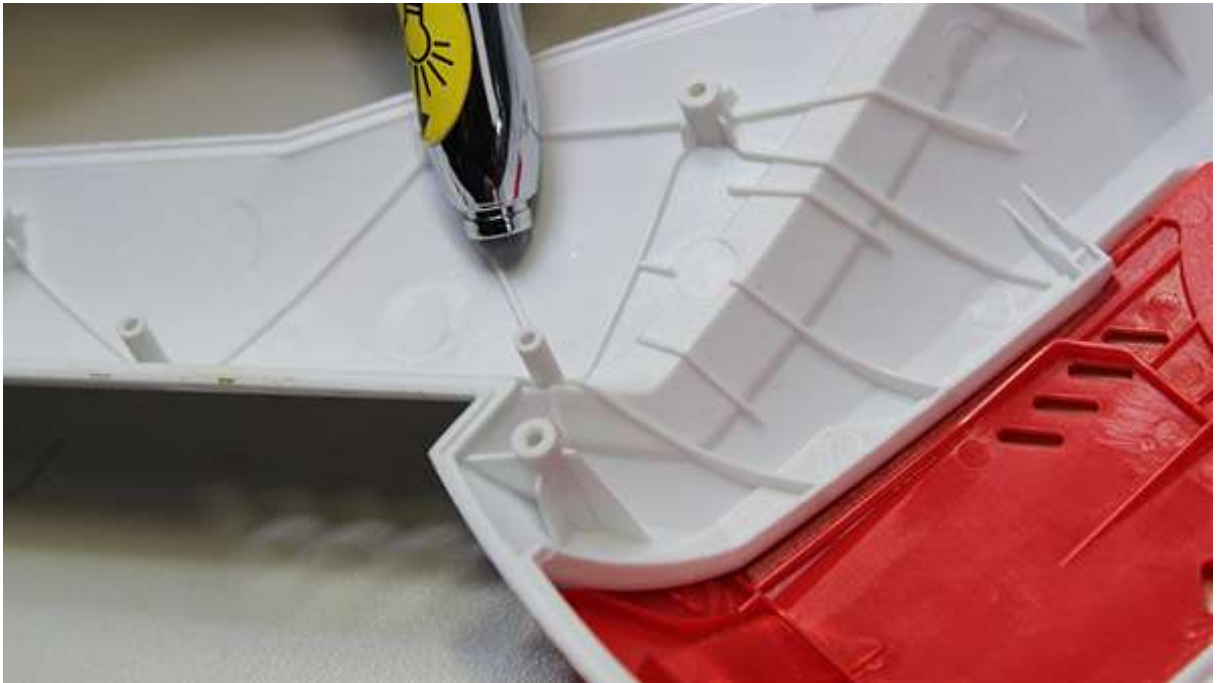


8. Place the top half of the body shell upside-down with the battery hatch facing you.



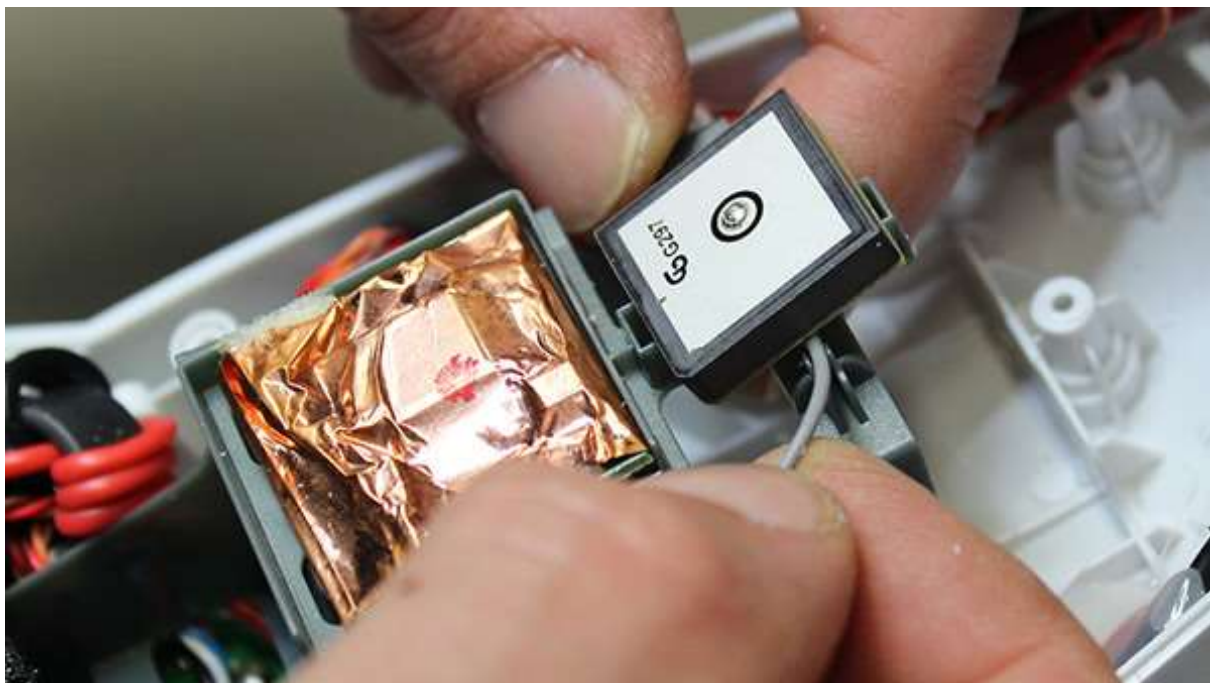
9. Remove the two fillets pointed out below using a hobby knife or rotary tool as done

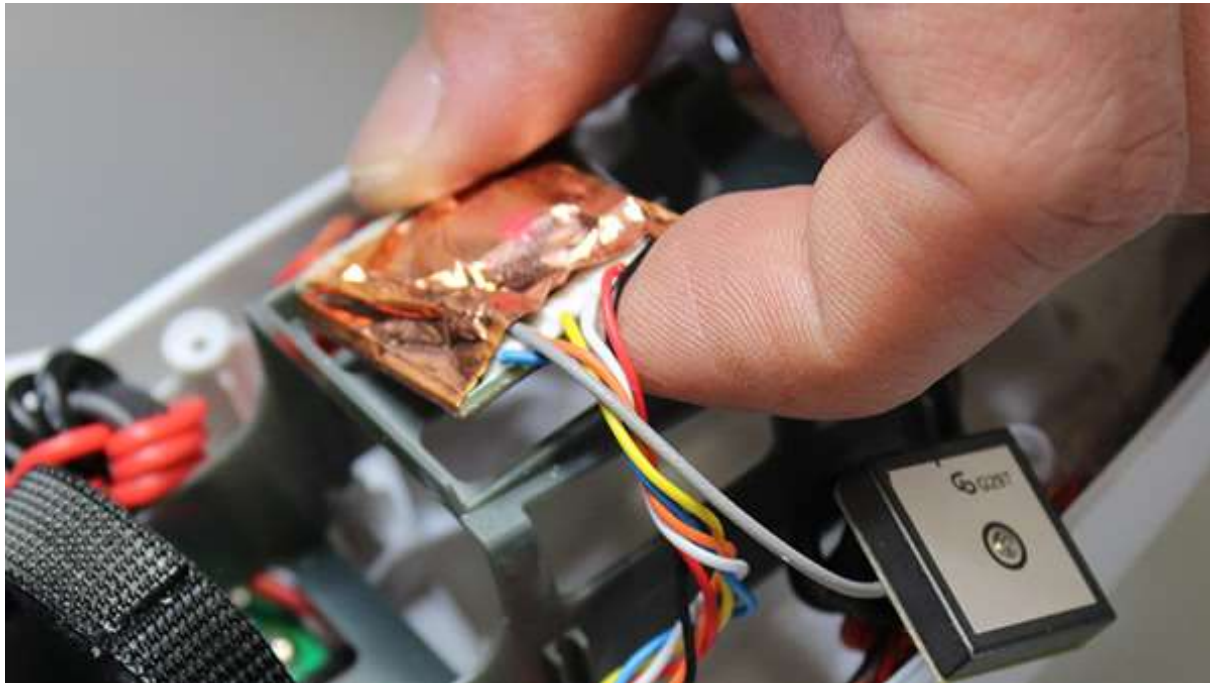
above assuring the surface is smooth.



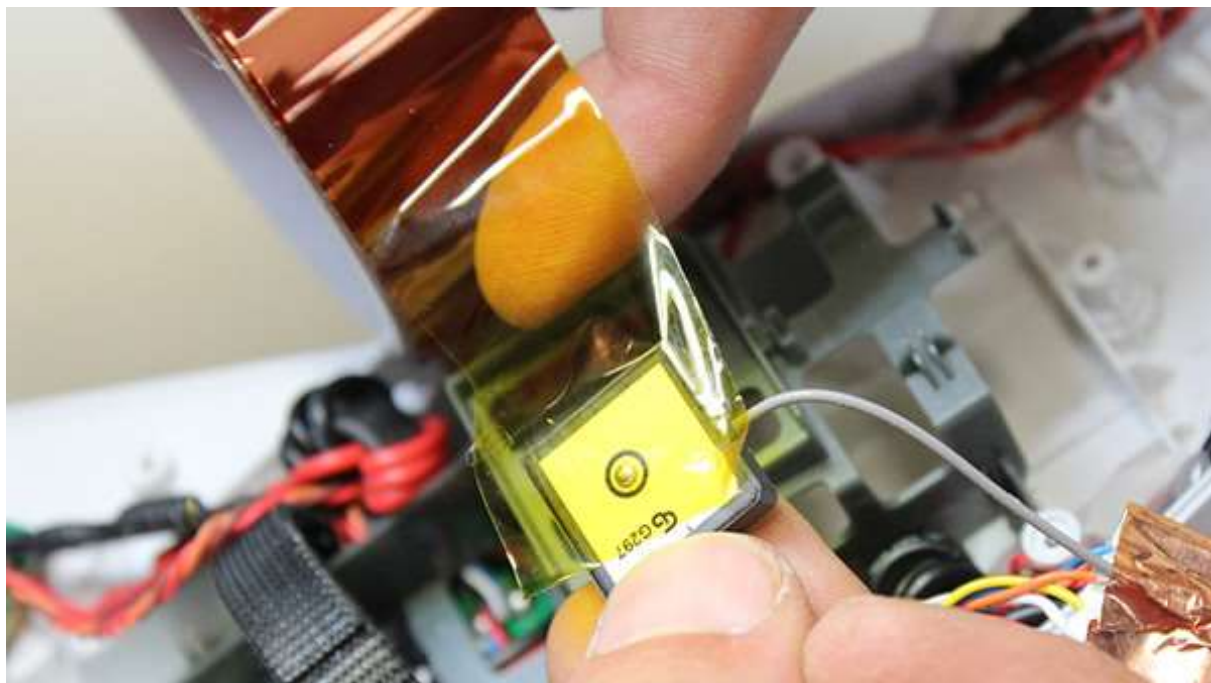


10. Carefully remove the GPS-Antenna and GPS-Receiver from the bottom half of the body.



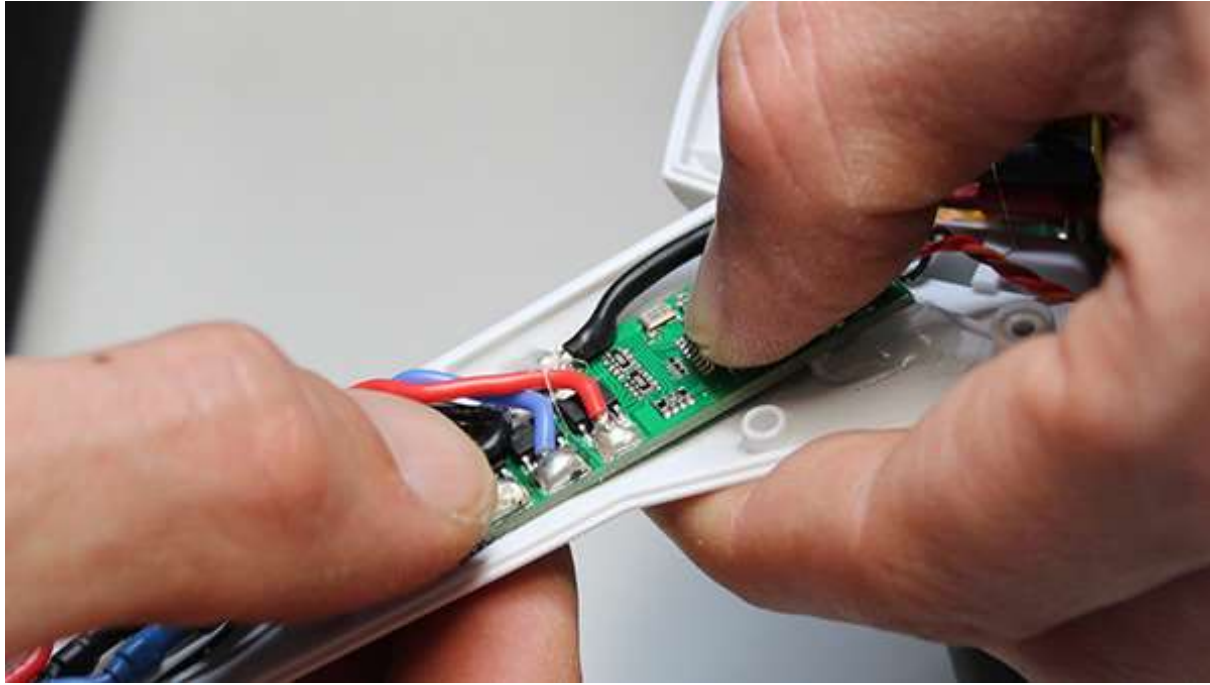


11. Wrap both components in thin insulating tape (Kapton tape recommended).

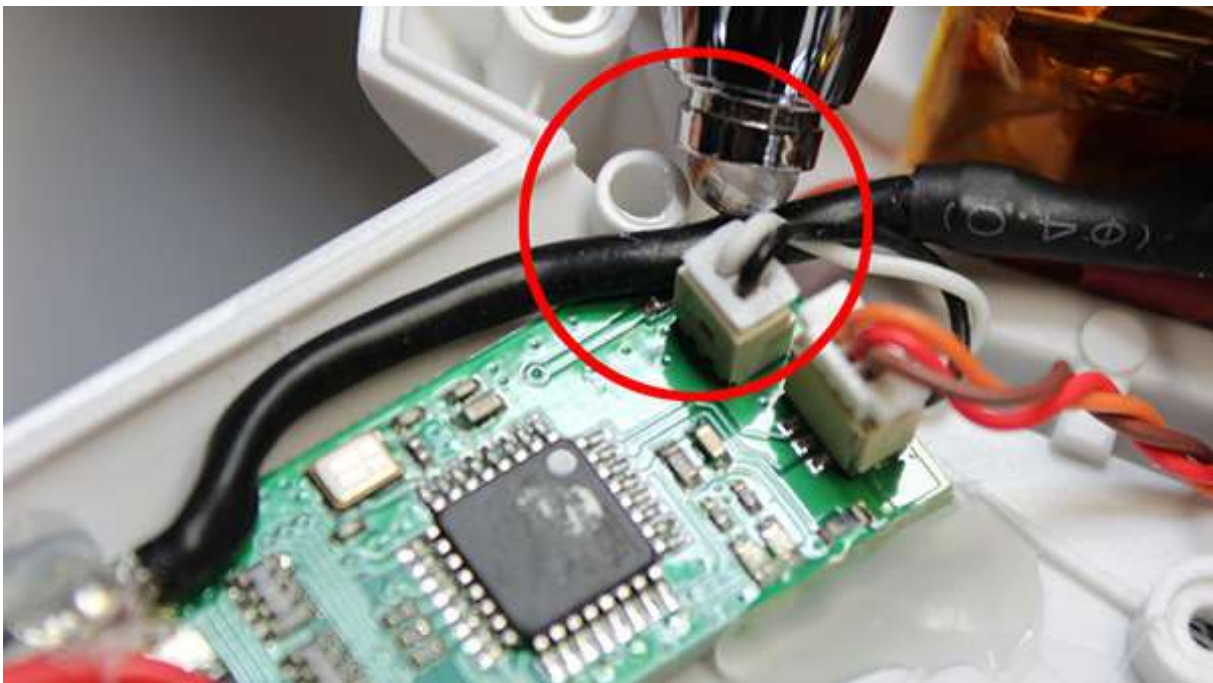


12. Attach the ESC with double sided tape (or hot glue) and press the ESC in the bottom half of the body.

Tip: Only use a small amount of hot glue or tape.



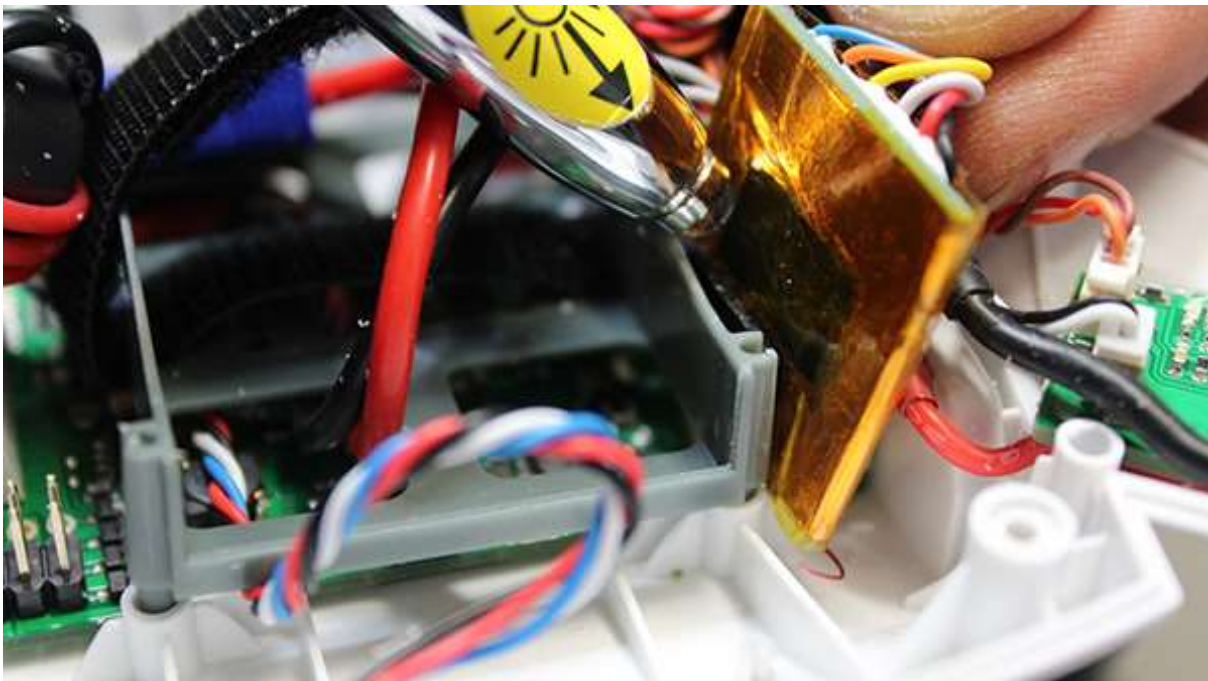
13. Route the black cable as shown in the two images below.



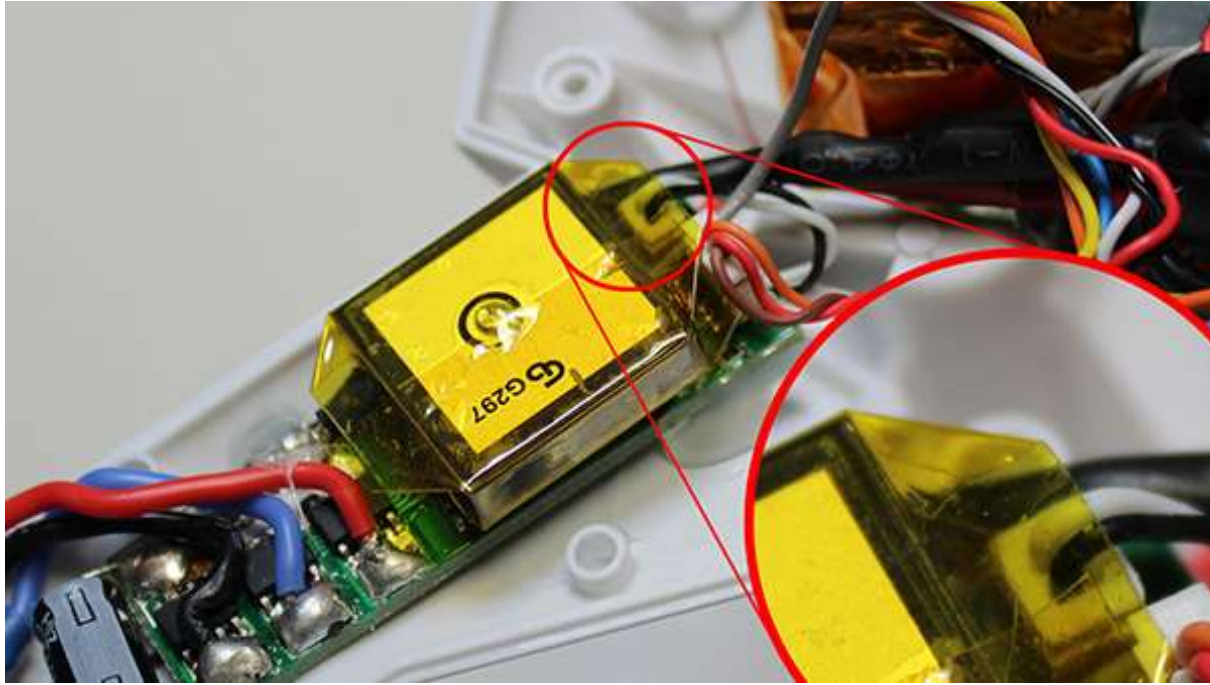
14. Image two



15. Use double sided tape to attach the GPS Receiver to the right side of the battery frame.

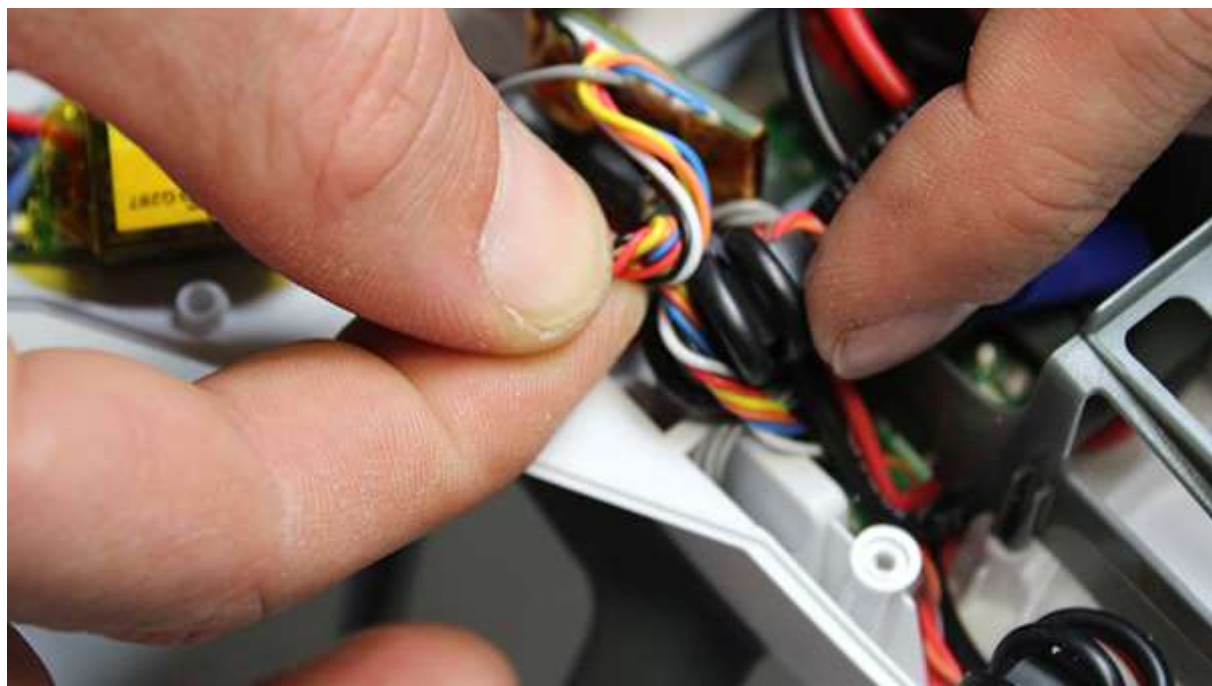


16. Route the GPS- Antenna Cable between LED- and ESC-Connector. Place the GPS antenna on the ESC.



17. Set the top side of the body back on the bottom side. Do not pinch any cables.
Tip: You can twist the cable for easier handling.





18. Please check that the body fits correctly and ensure that there are no cables in between or outside of the body shell.
19. Carefully flip the 350 over and check that there are no cables visible in the screw holes.
20. Reinstall the screws attaching the two halves together.
21. Flip the 350 onto its landing gear and install the rotor blades back in their proper locations.
22. You are now ready to get your 350 back in the air. Don't forget to charge your battery, range test and as always have a blast!

BLADE

BLH7840 USB Firmware Update Cable

Instruction Manual | Bedienungsanleitung | Manuale di Istruzioni

Contents | Inhalt | Contenuto

EN

Included Items:

- USB Dongle
- Servo Lead Extension
- JST-SHR Extension

Tools Required:

- Hemostats or Needle Nose Plier

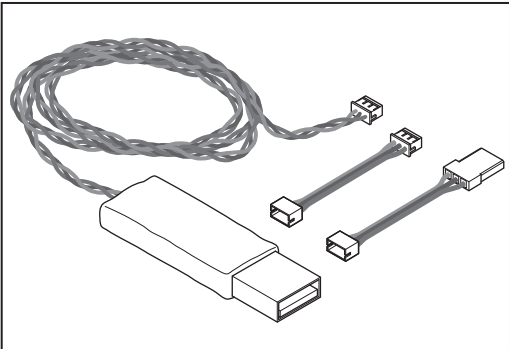
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Articoli inclusi:

- Adattatore USB
- Prolunga cavo servo
- Prolunga JST SHR

Attrezzi richiesti:

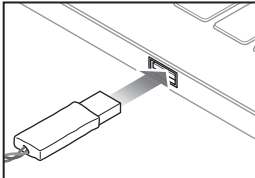
- Pinza a becchi stretti



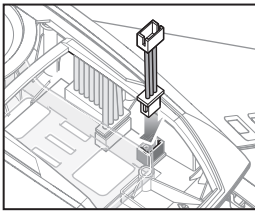
Updating the Firmware | Upaten der Firmware | Aggiornamento del Firmware

EN

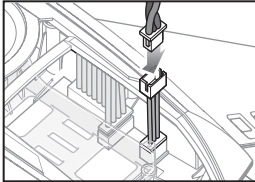
1. Go to the Blade 350 QX product page on HorizonHobby.com: <http://www.horizonhobby.com/products/350-qx-bnf-with-safe-technology-BLH7880>.
2. Download the Firmware 2.0 update zip file.
3. Extract the files from the zip file.
4. Install the driver in the zip file for the USB dongle.
5. Connect the USB dongle to a USB port on your computer. Ensure no other devices are connected to a USB port.



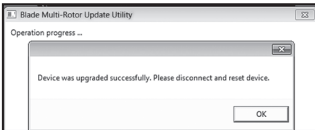
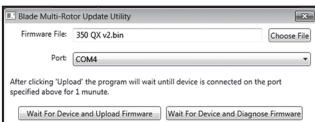
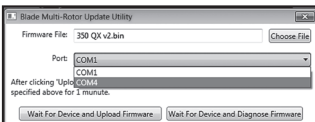
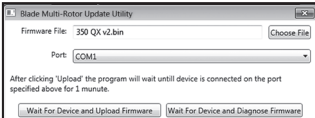
6. Using a needle nose plier or hemostats, connect the JST-SHR extension to the JST-SHR port in your 350 QX.



7. Connect the USB dongle to the extension.



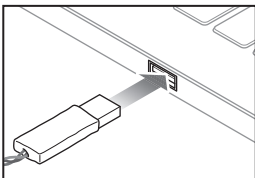
8. Open the Firmware Updater appropriate for your computer operating system.
9. Select "Choose File" and select the 350 QX FW 2.0.bin file in the folder.
10. Select the second COM option in the dropdown menu in Port. **Do not** select COM1.
11. Select "Wait For Device and Upload Firmware."
12. Connect a charged flight battery to the 350 QX and power it ON within 60 seconds.
13. When the update is complete, a screen will prompt: "Device was upgraded successfully. Please disconnect and reset device." Select OK.
14. Power OFF the 350 QX and disconnect the dongle, leaving the extension in the aircraft.



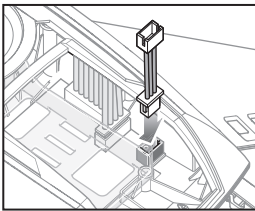
If the update fails, repeat the above procedure.

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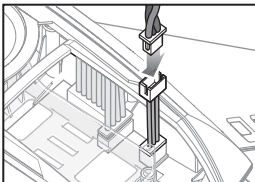
1. Bitte gehen Sie zu der Blade 350 QX Produktseite auf HorizonHobby.com: <http://www.horizonhobby.com/products/350-qx-bnf-with-safe-technology-BLH7880>.
2. Laden Sie die Firmware 2.0 update zip Datei als Download.
3. Extrahieren Sie die Dateien aus der ZIP Datei.
4. Installieren Sie den Treiber für das USB Dongle aus der ZIP Datei.
5. Schließen Sie das USB Dongle am USB Anschluss ihres Computer an. Bitte achten Sie darauf, dass keine weiteren USB Geräte an ihrem Rechner angeschlossen sind.



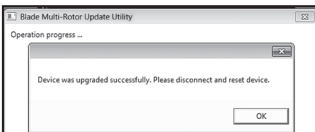
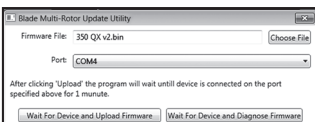
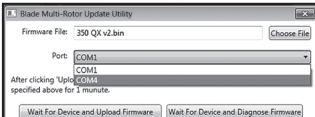
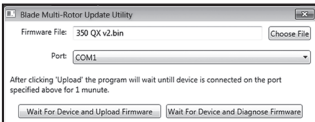
6. Stecken Sie mit Hilfe der Spitzzange oder Pinzette die JST-SHR Verlängerung in den JST-SHR Anschluss auf der Platine des Blade 350QX ein.



7. Schließen Sie das USB Dongle an die Verlängerung an.



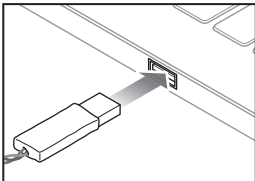
8. Öffnen Sie das für ihr Betriebssystem geeignete Updateprogramm.
9. Wählen Sie "Choose File" und wählen die 350 QX FW 2.0.bin Datei aus dem Verzeichnis.
10. Wählen Sie die zweite COM Port Auswahl in dem Dropdown Menü. Wählen Sie **NICHT** COM1.
11. Wählen Sie "Wait for Device and Upload Firmware."
12. Schließen Sie einen geladenen Flugakku an den 350QX an und schalten den Copter innerhalb von 60 Sekunden ein.
13. Ist das Update erfolgreich abgeschlossen, erscheint die Meldung: "Device was upgraded successfully. Please disconnect and reset device." Drücken Sie auf OK.
14. Schalten Sie den 350QX aus und trennen das Dongle. Lassen Sie die Verlängerung in dem Stecker eingesteckt.



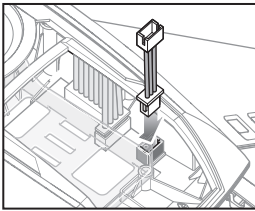
Sollte das Update nicht erfolgreich sein wiederholen Sie den beschriebenen Vorgang.

IT

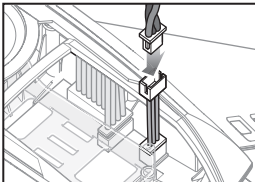
1. Andare alla pagina del Blade 350 QX su HorizonHobby.com <http://www.horizonhobby.com/products/350-qx-bnf-with-safe-technology-BLH7880>.
2. Scaricare il file zip di aggiornamento del Firmware 2.0.
3. Estrarre i files dal file zip.
4. Installare il driver per l'adattatore USB (che si trova nel file zip).
5. Collegare l'adattatore USB alla porta USB del computer. Accertarsi che non ci siano altre apparecchiature collegate alla porta USB.



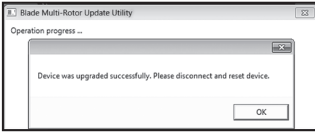
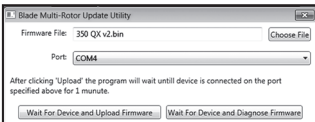
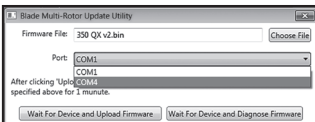
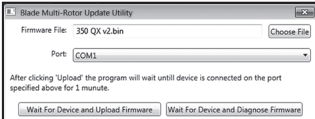
6. Usando una pinza a becchi stretti, collegare la prolunga JST-SHR alla presa JST-SHR sul 350 QX.



7. Collegare l'adattatore USB alla prolunga.



8. Aprire il programma di aggiornamento del Firmware adatto al sistema operativo del proprio computer.
9. Scegliere "Choose File" e selezionare il file 350 QX FW 2.0.bin nella cartella.
10. Scegliere la seconda opzione COM nel menu a tendina in Port. **NON** scegliere COM1.
11. Selezionare "Wait For Device and Upload Firmware".
12. Collegare al 350 QX una batteria carica e accenderlo entro 60 secondi.
13. Quando l'aggiornamento è completato, appare una schermata con: "Device was upgraded successfully. Please disconnect and reset device." Selezionare OK.
14. Spegner il 350 QX e scollegare l'adattatore, lasciando però la prolunga collegata al velivolo.



Se l'aggiornamento fallisce, ripetere tutta la procedura.

NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of Horizon Hobby, LLC. For up-to-date product literature, visit horizonhobby.com and click on the support tab for this product.

Meaning of Special Language

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product:
NOTICE: Procedures, which if not properly followed, create a possibility of physical property damage AND a little or no possibility of injury.
CAUTION: Procedures, which if not properly followed, create the probability of physical property damage AND a possibility of serious injury.
WARNING: Procedures, which if not properly followed, create the probability of property damage, collateral damage, and serious injury OR create a high probability of superficial injury.

WARNING: Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.
This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not use with incompatible components or alter this product in any way outside of the instructions provided by Horizon Hobby, LLC. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

Age Recommendation: Not for children under 14 years. This is not a toy.

1 Year Limited Warranty

What this Warranty Covers

Horizon Hobby, LLC, (Horizon) warrants to the original purchaser that the product purchased (the "Product") will be free from defects in materials and workmanship for a period of 1 year from the date of purchase.

What is Not Covered

This warranty is not transferable and does not cover (i) cosmetic damage, (ii) damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or due to improper use, installation, operation or maintenance, (iii) modification of or to any part of the Product, (iv) attempted service by anyone other than a Horizon Hobby authorized service center, (v) Product not purchased from an authorized Horizon dealer, or (vi) Product not compliant with applicable technical regulations.
OTHER THAN THE EXPRESS WARRANTY ABOVE, HORIZON MAKES NO OTHER WARRANTY OR REPRESENTATION, AND HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER'S INTENDED USE.

Purchaser's Remedy

Horizon's sole obligation and purchaser's sole and exclusive remedy shall be that Horizon will, at its option, either (i) service, or (ii) replace, any Product determined by Horizon to be defective. Horizon reserves the right to inspect any and all Product(s) involved in a warranty claim. Service or replacement decisions are at the sole discretion of Horizon. Proof of purchase is required for all warranty claims. SERVICE OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY.

Limitation of Liability

HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY, REGARDLESS OF WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY, EVEN IF HORIZON HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Further, in no event shall the liability of Horizon exceed the individual price of the Product on which liability is asserted. As Horizon has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability. If you as the purchaser or user are not prepared to accept the liability associated with the use of the Product, purchaser is advised to return the Product immediately in new and unused condition to the place of purchase.

Law

These terms are governed by Illinois law (without regard to conflict of law principals). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Horizon reserves the right to change or modify this warranty at any time without notice.

WARRANTY SERVICES

Questions, Assistance, and Services

Your local hobby store and/or place of purchase cannot provide warranty support or service. Once assembly, setup or use of the Product has been started, you must contact your local distributor or Horizon directly. This will enable Horizon to better answer your questions

Warranty and Service Contact Information

Country of Purchase	Horizon Hobby	Contact Information	Address
United States of America	Horizon Service Center (Repairs and Repair Requests)	servicecenter.horizonhobby.com/RequestForm/	4105 Fieldstone Rd Champaign, Illinois, 61822 USA
	Horizon Product Support (Product Technical Assistance)	www.quickbase.com/db/bghj7ey8c?a=GenNewRecord 888-959-2304	
	Sales	sales@horizonhobby.com 888-959-2304	
United Kingdom	Service/Parts/Sales: Horizon Hobby Limited	sales@horizonhobby.co.uk +44 (0) 1279 641 097	Units 1-4 , Ployters Rd, Staple Tye Harlow, Essex, CM18 7NS, United Kingdom
Germany	Horizon Technischer Service Sales: Horizon Hobby GmbH	service@horizonhobby.de +49 (0) 4121 2655 100	Christian-Junge-Straße 1 25337 Elmshorn, Germany
France	Service/Parts/Sales: Horizon Hobby SAS	infofrance@horizonhobby.com +33 (0) 1 60 18 34 90	11 Rue Georges Charpak 77127 Lieusaint, France
China	Service/Parts/Sales: Horizon Hobby – China	info@horizonhobby.com.cn +86 (021) 5180 9868	Room 506, No. 97 Changshou Rd. Shanghai, China 200060

Compliance Information for the European Union

Declaration of Conformity

(in accordance with ISO/IEC 17050-1)

No. HH2014050701

Product(s): USB: Multi Rotor Programmer

Item Number(s): BLH7840

The object of declaration described above is in conformity with the requirements of the specifications listed below, following the provisions of the EMC Directive 2004/108/EC:

EN55022:2010 + AC:2011

EN55024:2010

CE

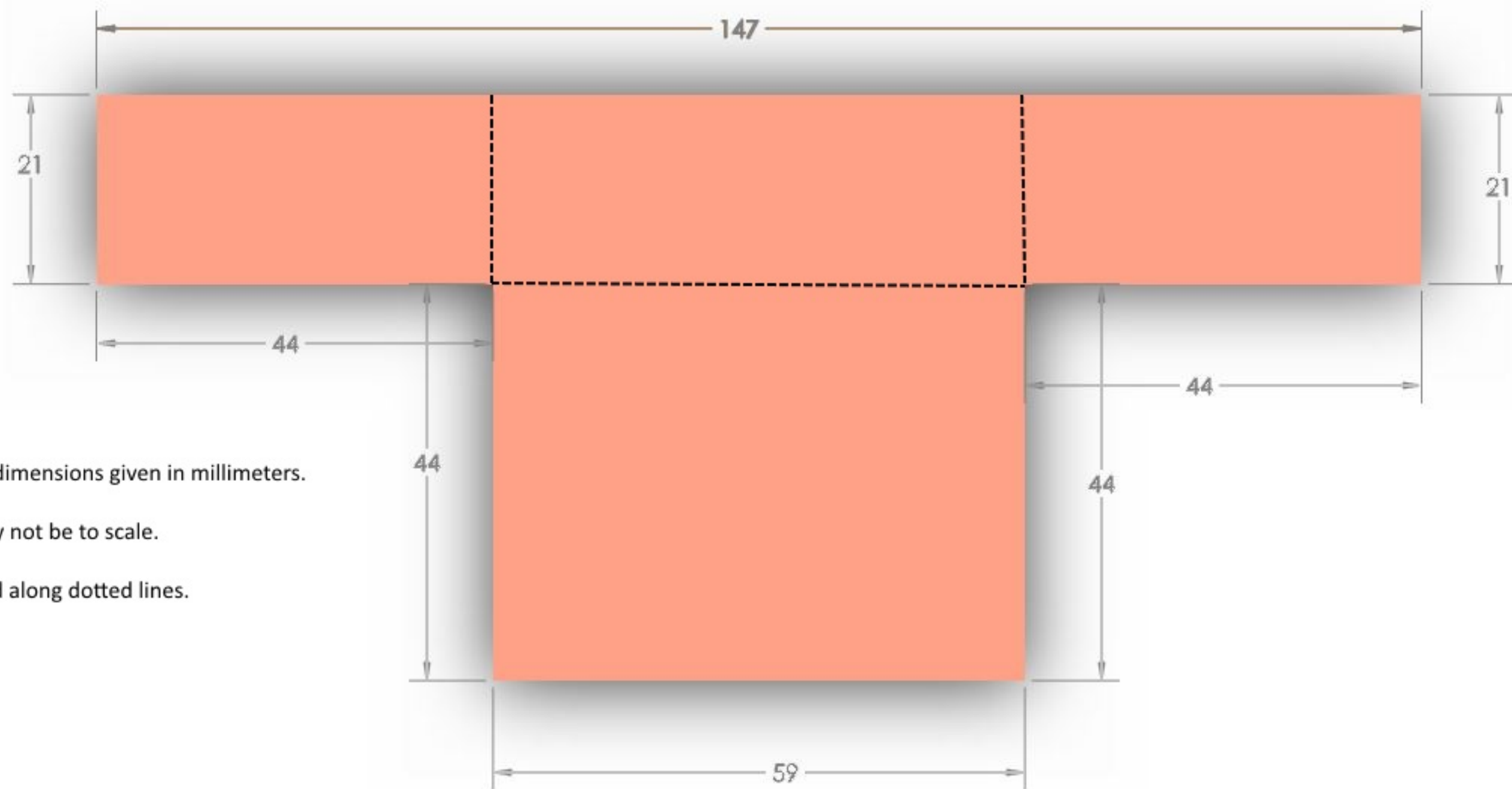
Signed for and on behalf of:
Horizon Hobby, LLC.
Champaign, IL USA
May 07, 2014


Robert Peak
Chief Financial Officer
Horizon Hobby, LLC

Instructions for disposal of WEEE by users in the European Union



This product must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collections point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or where you purchased the product.



All dimensions given in millimeters.

May not be to scale.

Fold along dotted lines.

