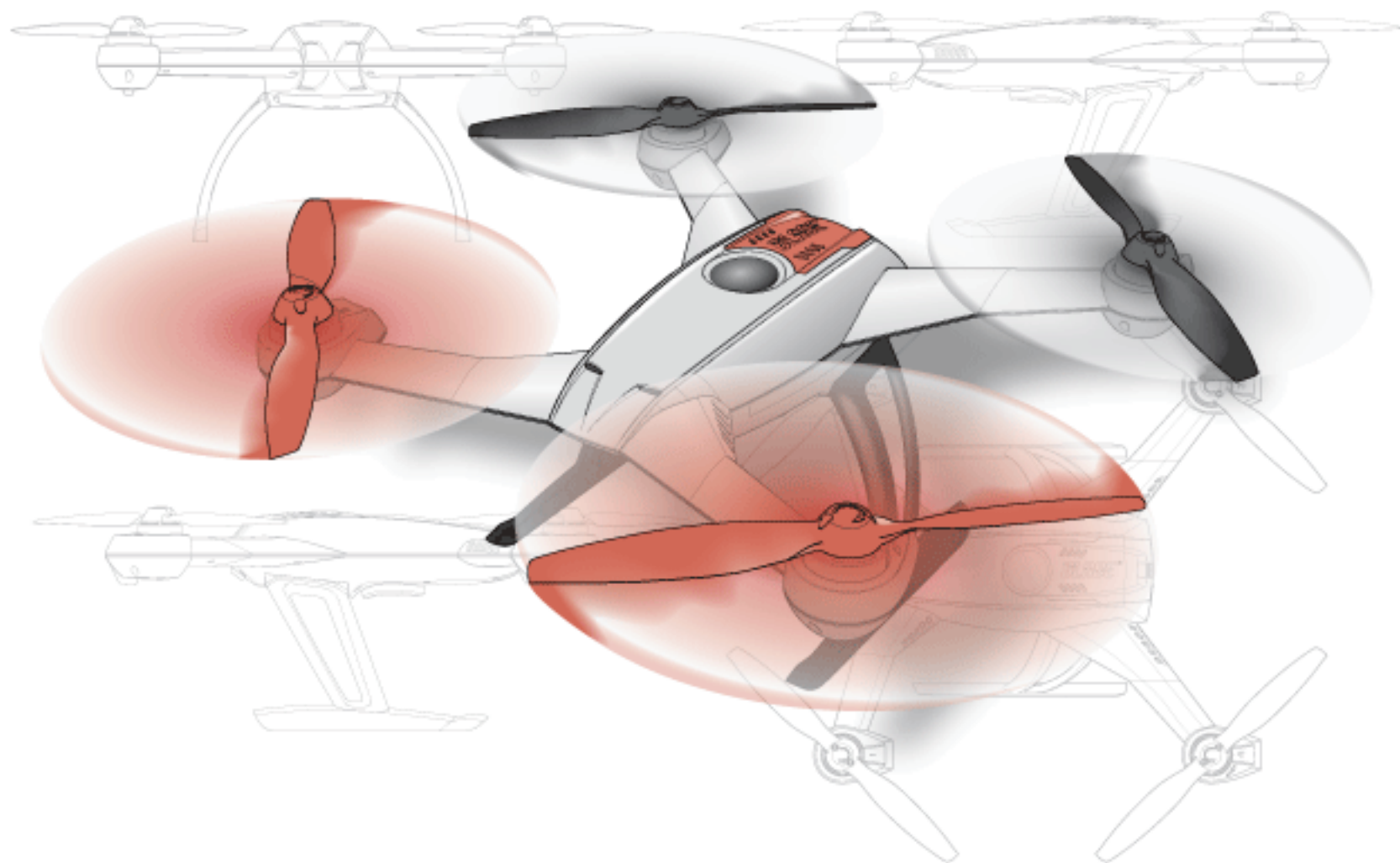


BLADE 350 QX

#1 BY DESIGN



Instruction Manual
Bedienungsanleitung
Manuel d'utilisation
Manuale di Istruzioni



RTF



NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of Horizon Hobby, Inc. 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, Inc. 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.

General Safety Precautions and Warnings

- Always keep a safe distance in all directions around your model to avoid collisions or injury. This model is controlled by a radio signal subject to interference from many sources outside your control. Interference can cause momentary loss of control.
- Always operate your model in open spaces away from full-size vehicles, traffic and people.
- Always carefully follow the directions and warnings for this and any optional support equipment (chargers, rechargeable battery packs, etc.).
- Always keep all chemicals, small parts and anything electrical out of the reach of children.
- Always avoid water exposure to all equipment not specifically designed and protected for this purpose. Moisture causes damage to electronics.
- Never place any portion of the model in your mouth as it could cause serious injury or even death.
- Never operate your model with low transmitter batteries.
- Always keep aircraft in sight and under control.
- Always move the throttle fully down at rotor strike.
- Always use fully charged batteries.
- Always keep transmitter powered on while aircraft is powered.
- Always remove batteries before disassembly
- Always keep moving parts clean.
- Always keep parts dry.
- Always let parts cool after use before touching.
- Always remove batteries after use.
- Never operate aircraft with damaged wiring.
- Never touch moving parts.



CAUTION: The ESCs for the 350 QX are not compatible with any other product, and the 350 QX is not compatible with any other ESCs. Use of any other ESCs on the 350 QX will cause a crash, which may result in property damage and/or personal injury.



WARNING AGAINST COUNTERFEIT PRODUCTS: If you ever need to replace a Spektrum component found in a Horizon Hobby product, always purchase from Horizon Hobby, Inc. or a Horizon Hobby authorized dealer to ensure authentic high-quality Spektrum product. Horizon Hobby, Inc. disclaims all support and warranty with regards, but not limited to, compatibility and performance of counterfeit products or products claiming compatibility with DSM or Spektrum.

BLADE® 350 QX



Thank you for purchasing the Blade 350 QX quadcopter. You are in for an exciting experience with this exceptional flying machine. With GPS, pressure and compass sensors added to the SAFE™ (Sensor Assisted Flight Envelope) system, the 350 QX has some incredible features. Position hold, altitude command and self-leveling provide you with a smooth and manageable flight performance. With the addition of the SAFE Circle™, Stick Relativity and Return Home functions, the 350

QX makes it more practical and easier to fly for new pilots without RC experience. The Blade 350 QX uses LED codes to communicate flight modes, GPS functions and errors for which you will need the manual. To assure you have a safe and fun experience with your new quadcopter, it is critical that you take the time to read and understand this manual and all the features this aircraft contains.

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Blade 350 QX Specifications

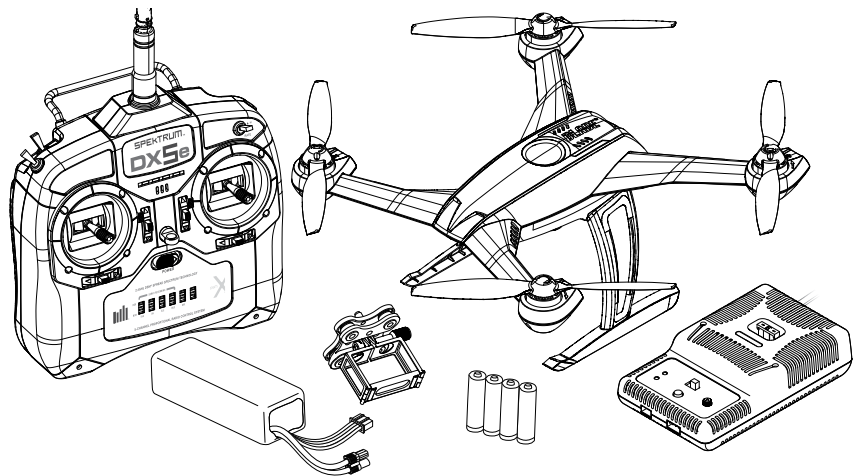
Length	18.30 in (465mm)	Main Rotor Diameter	22.80 in (580mm)
Height	5.43 in (138mm)	Flying Weight	24 oz (680 g)

Component		RTF	BNF
Airframe	Blade 350 QX Quadcopter	included	included
Motors	4x Brushless Outrunner Motor, 1100Kv	installed	installed
ESCs	4x 10-Amp Brushless ESC	installed	installed
Battery	3S 11.1V 2200mAh 30C Li-Po	included	included
Charger	2–3S Li-Po Balancing DC Charger, 0.5–3A	included	included
Transmitter	DSM2®/DSMX® compatible transmitter	included	required

To register your product online, visit www.bladehelis.com

Box Contents

- Blade 350 QX
- Camera Mount
- 3S 11.1V 2200mAh Li-Po Battery Pack
- 2–3S DC Li-Po Balancing Charger
- DX5e DSMX 5-Channel Transmitter (RTF only)
- 4 AA Batteries (RTF only)



Charging Warnings

The Battery Charger (EFLC3010) included with your quadcopter has been designed to safely charge the Li-Po battery.

CAUTION: All instructions and warnings must be followed exactly. Mishandling of Li-Po batteries can result in a fire, personal injury and/or property damage.

- By handling, charging or using the included Li-Po battery, you assume all risks associated with lithium batteries.
- If at any time the battery begins to balloon or swell, discontinue use immediately. If charging or discharging, discontinue and disconnect. Continuing to use, charge or discharge a battery that is ballooning or swelling can result in fire.
- Always store the battery at room temperature in a dry area for best results.
- Always transport or temporarily store the battery in a temperature range of 40–120° F (5–49° C). Do not store battery or model in a car or direct sunlight. If stored in a hot car, the battery can be damaged or even catch fire.
- Always charge batteries away from flammable materials.

- Always inspect the battery before charging
- Always disconnect the battery after charging, and let the charger cool between charges.
- Always constantly monitor the temperature of the battery pack while charging.
- **ONLY USE A CHARGER SPECIFICALLY DESIGNED TO CHARGE LI-PO BATTERIES.** Failure to charge the battery with a compatible charger may cause a fire resulting in personal injury and/or property damage.
- Never discharge Li-Po cells to below 3V under load.
- Never cover warning labels with hook and loop strips.
- Never leave charging batteries unattended.
- Never charge batteries outside recommended levels.
- Never charge damaged batteries.
- Never attempt to dismantle or alter the charger.
- Never allow minors to charge battery packs.
- Never charge batteries in extremely hot or cold places (recommended between 40–120° F) or (5–49° C) or place in direct sunlight.

Low Voltage Cutoff (LVC)

Low voltage cutoff (LVC) protects the Li-Po battery from over-discharge in flight and activates when the battery reaches a preset value. When the battery is discharged to the cutoff point, the aircraft will display rapidly flashing red, green and blue LEDs to warn you it's time to land. When you see this LED code, land immediately to prevent over-discharge and damage to the battery.

When the LVC is activated, you have approximately 2 minutes until the battery is depleted and can no longer maintain a hover. Repeated flying to LVC will damage the battery.

NOTICE: Crash damage and battery damage are not covered under warranty.

IMPORTANT: Always disconnect and remove the Li-Po battery from the aircraft after each flight. Charge your Li-Po battery to about half capacity before storage. During storage, make sure the battery charge does not fall below 3V per cell. A connected battery will result in trickle discharge.

Charging the Flight Battery

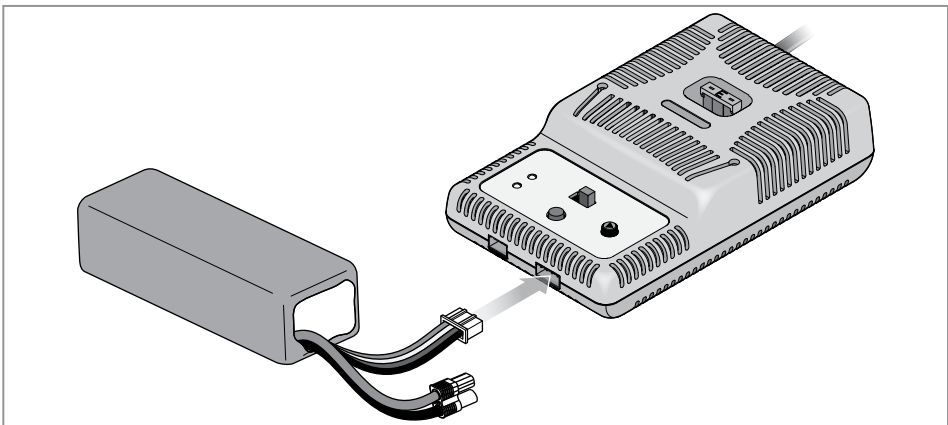
E-flite® 2–3S Li-Po Balancing Charger Specifications

- Input power: 10.5–15.0V DC, 3-amp
- Charges 2- to 3-cell Li-Po packs with minimum capacity of 500mAh

E-flite 3S 11.1V 2200mAh Li-Po Battery Pack

The E-flite® 3S Li-Po battery pack features a balancing lead that allows you to safely charge your battery pack when used with the included E-flite Li-Po balancing charger.

CAUTION: The balance connector must be inserted into the correct port of your charger prior to charging.



The Battery Charging Process

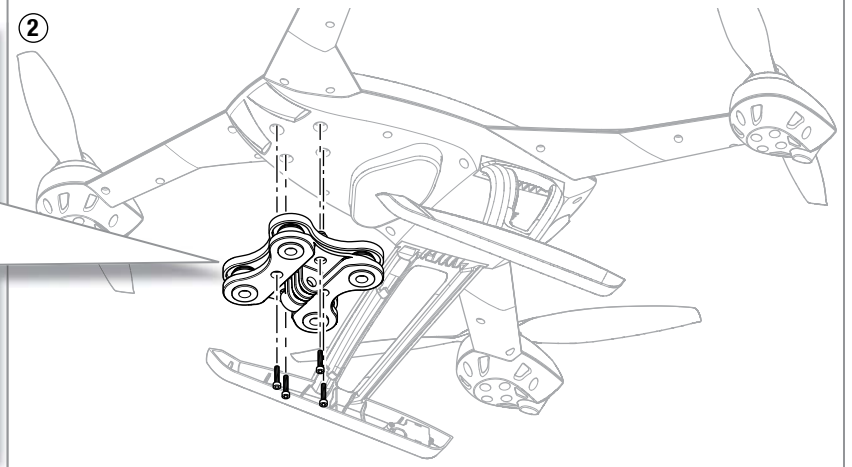
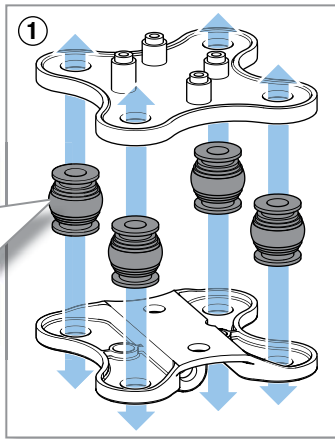
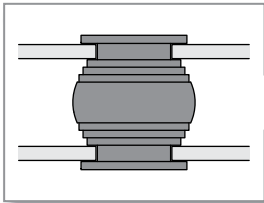
1. Charge only batteries that are cool to the touch and are not damaged. Look at the battery to make sure it is not damaged e.g., swollen, bent, broken or punctured.
2. Attach the input cord of the charger to an appropriate power supply, such as a 12V battery or 12V DC power supply.
3. When the Li-Po charger has been correctly powered up, there will be an approximate 3-second delay, then an audible “beep” and the green (ready) LED will flash.
4. Turn the control on the Amps selector so the arrow points to the charging rate required for the battery (the 2200mAh Li-Po battery will charge at 2.0 amps).
DO NOT change the charge rate once the battery begins charging.
5. Move the cell selector switch to 3-cell for your battery.
6. Connect the balancing lead of the battery to the 3-cell (4 pin) charger port and press the Start button to begin battery charging.
7. The green and red LEDs may flash during the charging process when the charger is balancing cells. Balancing prolongs the life of the battery.
8. When the battery is fully charged, a beep will sound for about 3 seconds and the green LED will shine continuously. Attempting to charge an over-discharged battery will cause the charger to repeatedly flash and beep, indicating an error has occurred.
9. Always unplug the battery from the charger immediately upon completion of charging.

CAUTION: Overcharging a battery can cause a fire.

NOTICE: If using a battery other than the included Li-Po battery, refer to your battery manufacturer's instructions for charging.

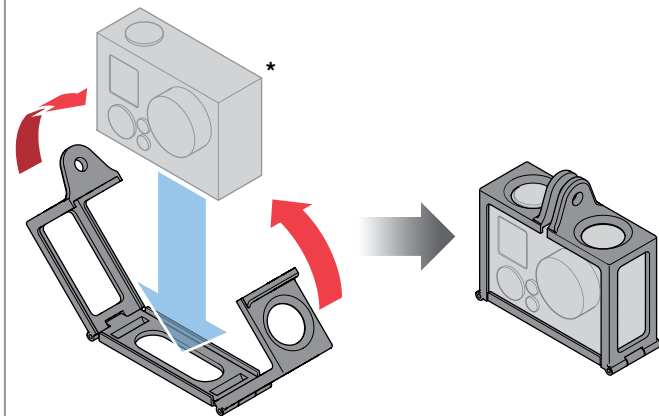
Mounting a Camera

IMPORTANT: Consult local laws and ordinances before installing and operating any type of photograph-capable or video recording device in this product.




Installing the Included Camera Frame to the Isolation Mount

* Camera not included



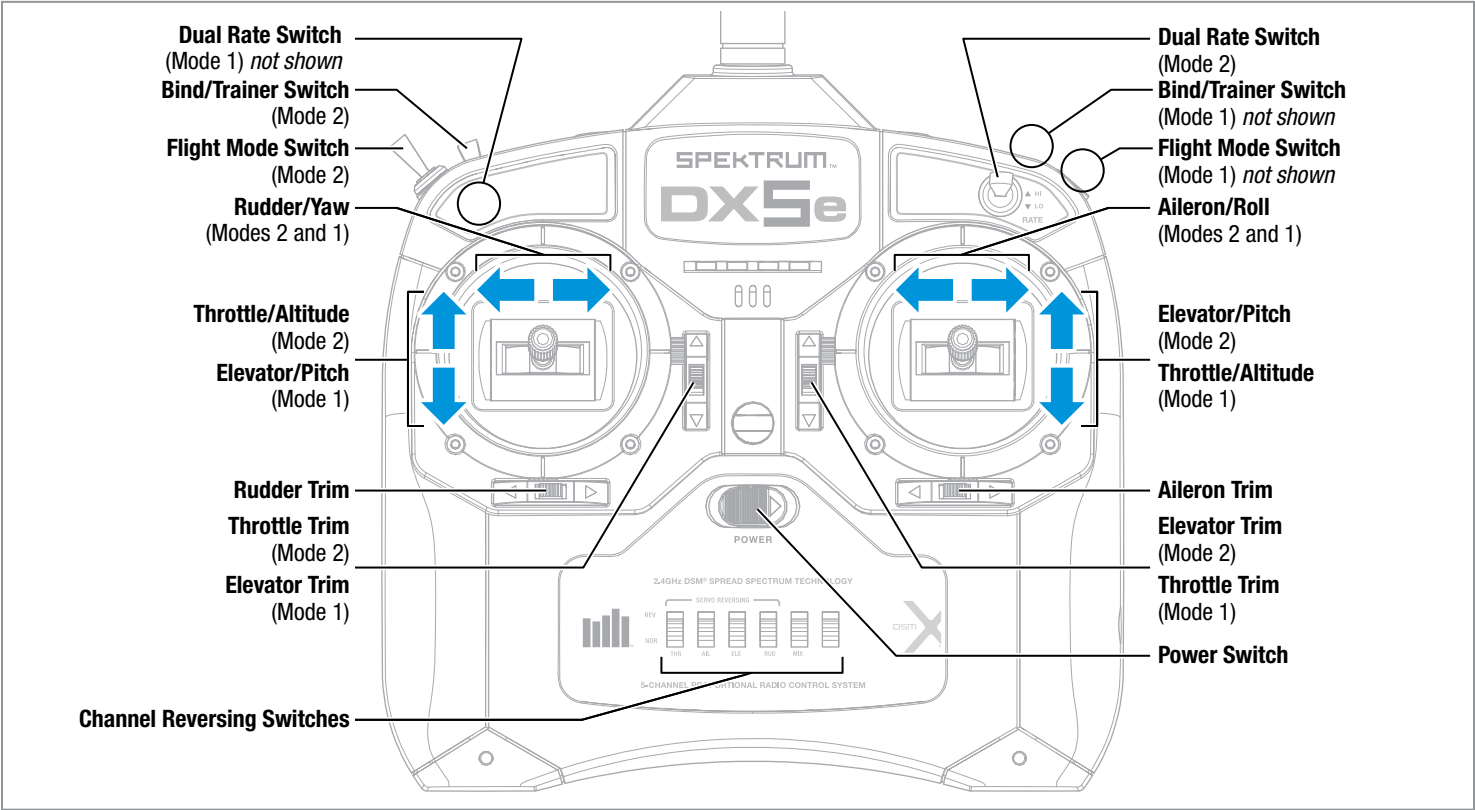
Transmitter Setup (BNF)


CAUTION: When using a Futaba transmitter with a Spektrum DSM module, you must reverse the throttle channel and rebind. Refer to your Spektrum module manual for binding and failsafe instructions. Refer to your Futaba transmitter manual for instructions on reversing the throttle channel.

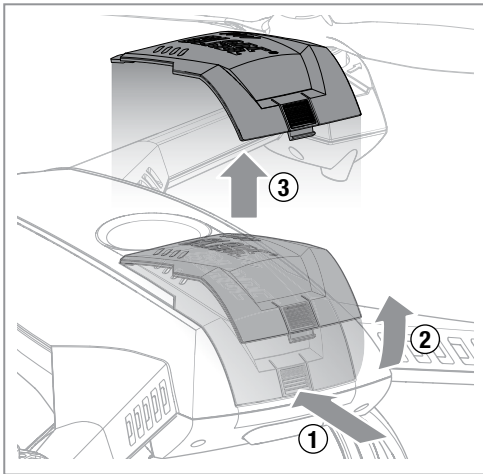
Transmitter	Model Type	Reverse Setup	Throttle Cut Setup	Mode Setup	Switch Positions	Throttle Cut	Return Home	Dual Rate Switch	High Rate	Low Rate
DX4e (New)* w/3-position switch	N/A	N/A	N/A	N/A	Position 0 = SMART Mode	Lower throttle trim until motors stop turning	Press and Hold TRAINER/BIND Release to EXIT	Rate	100% fixed	70% fixed
					Position 1 = Stability Mode					
					Position 2 = Agility Mode					
DX5e (New)* w/3-position switch	N/A	N/A	N/A	N/A	Position 0 = SMART Mode	Lower throttle trim until motors stop turning	Press and Hold TRAINER/BIND Release to EXIT	Rate	100% fixed	70% fixed
					Position 1 = Stability Mode					
					Position 2 = Agility Mode					
DX6i	Acro	THRO-N ELEV-N GEAR-R AILE-N RUDD-N FLAP-N	ACT	Travel Adj: GEAR POS (0) GEAR: ↑ 100%; GEAR/F MODE POS (1) GEAR: ↓ 40% FLAPS: Norm ← ↑ 100; LAND ↓ 100 MIX 1: ACT; GEAR → GEAR ACT RATE D 0%; U + 100% SW MIX TRIM INH	GEAR 0; Mix 0 = SMART Mode	Press throttle cut	FLAP Position 0 = OFF FLAP Position 2 = Return Home	ELEV-AIL D/R	100%	70%
					GEAR 1; Mix 0 = Stability Mode					
					GEAR 1; Mix 1 = Agility Mode					
DX7/7SE	Acro	FLAP-R (6) Others-N	N/A	Travel Adj: GEAR (0) ↑ 100%; GEAR (1) ↓ 40% MIX 1: FLAP → Gear OFF/ON RATE → -50% 0% SW: MIX OFFSET: 0	GEAR (0); Mix (0) = SMART Mode	Lower throttle trim until motors stop turning	FLAP Pos 0 = OFF FLAP Pos 1 = Return Home	ELEV-AIL D/R	100%	70%
					GEAR (1); Mix (0) = Stability Mode					
					GEAR (1); Mix (1) = Agility Mode					
DX7S	Acro	AUX1-R Others-N	Set To: Trainer	Switch Select: Move Gear to F MODE (F MODE:GEAR) Leave FLAPS as AUX1 Set All Others to INH MIX 1: GER > GER RATE: 0% -100% OFFSET: 0%; TRIM: INH; SW: Mix0	F MODE (0) = SMART Mode	Press Trainer	FLAP Pos 0 = OFF FLAP Pos 2 = Return Home	ELEV-AIL D/R	100%	70%
					F MODE (1) = Stability Mode					
					F MODE (1); HOLD (1) = Agility Mode					
DX8	Acro	AUX1-R Others-N	Set To: Trainer	Switch Select: F-Mode to Gear; Flap to Aux 1 All Others to INH	F MODE (0) = SMART Mode	Press Trainer/ Bind	FLAP Pos 0 = OFF FLAP Pos 2 = Return Home	ELEV-AIL D/R	100%	70%
					F MODE (1) = Stability Mode					
					F MODE (2) = Agility Mode					
DX9/DX18	Acro	AUX1-R Others-N	Set To: I (BIND)	Channel Assign: NEXT 1-4: N/A 5 Gear: B 6 AUX1: D 7 AUX2: I 8-10: INH	B (0) = SMART Mode	Press I (BIND)	D (FLAP) Pos 0 = OFF D (FLAP) Pos 2 = Return Home	ELEV-AIL D/R	100%	70%
					B (1) = Stability Mode					
					B (2) = Agility Mode					

* Old versions of the DX4e and DX5e (with 2-position channel 5 switches) are **not** recommended for the 350 QX. Only **Smart Mode** and **Agility Mode** will be available with GPS On.

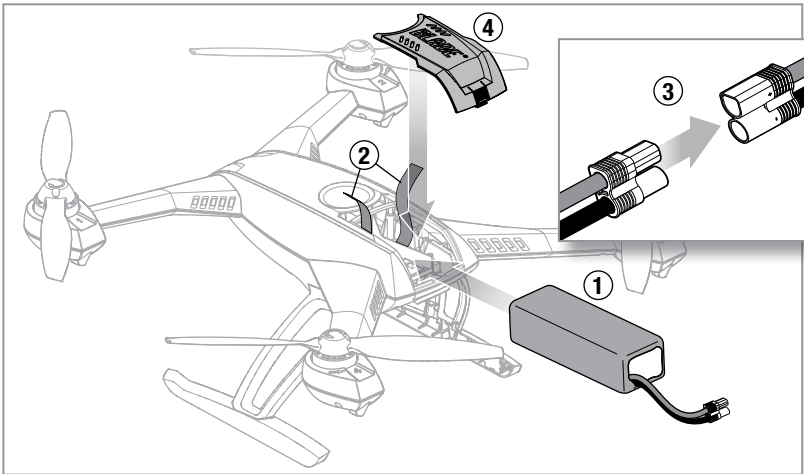
Transmitter Control Layout (RTF)



Connecting the Flight Battery



Remove the battery cover



Install the battery

Binding

- If you purchased the ready-to-fly (RTF) model, the transmitter is bound to the model at the factory. If for any reason the model needs to be re-bound, follow the directions for the Bind-N-Fly® (BNF) version below.



To bind or re-bind your 350 QX to your chosen DSM2/DSMX transmitter, please follow the directions below along with the binding instructions included with your transmitter:

The Binding Process

1. With the transmitter and quadcopter powered off, connect the battery to the 350 QX.
2. With the 350 QX on a level surface, turn on the power switch and allow the quadcopter to initialize.
3. Wait until the blue LED on the quadcopter flashes rapidly, signaling the quadcopter is initialized and ready to bind.
4. Ensure throttle is in the low position and throttle trim is at neutral.
5. Hold the control sticks in the desired bind position (see illustrations) and press/pull the bind button/switch, then power on the transmitter.
6. Refer to the Flying LED Codes table to ensure the aircraft is bound correctly.

IMPORTANT: Do not attempt to bind with more than one bind code. Binding with more than one bind code will only allow the aircraft to bind normally.

Unless binding with a bind code, the elevator and aileron inputs (including trim) must be neutral during binding. If you are attempting a normal bind with any input other than neutral, the aircraft will emit a constant, rapid beeping sound.

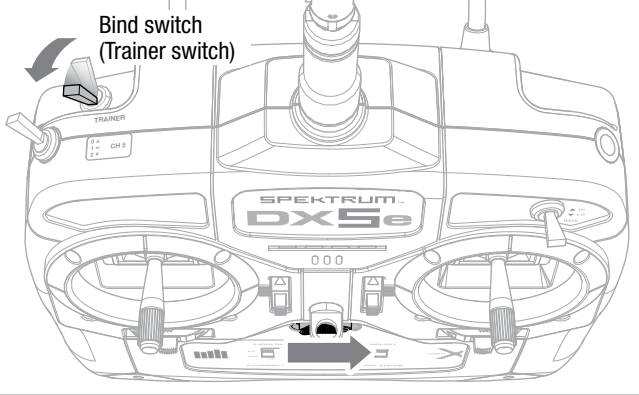
If your 350 QX emits a constant beeping sound after binding (Smart or Agility Mode only):

1. Ensure all trims are neutral.
2. Slowly move the elevator stick back and forth (close to center) and listen for the beeping to stop or hesitate. Take note of the direction you are moving the stick when the change of tone happens.
3. If the tone never changes with elevator movement, slowly move the aileron stick back and forth (close to center) and listen for the beeping to stop or hesitate. Take note of the direction you are moving the stick when the change of tone happens.
4. Input trim in the direction that caused the change in tone until the beeping stops.

In the event you cannot find an input that stops the tones:

1. Apply 1 click of elevator trim in either direction and then slowly move the aileron stick close to center.
2. Continue to add 1 click at a time of elevator trim, up to 5 trim steps off center up or down, and move the aileron stick until you find the point that makes the tones stop.
3. Add aileron trim in the direction you moved the stick to make the tones stop.

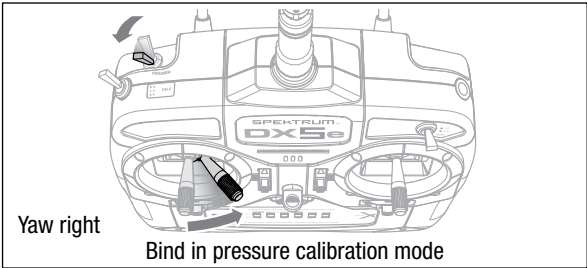
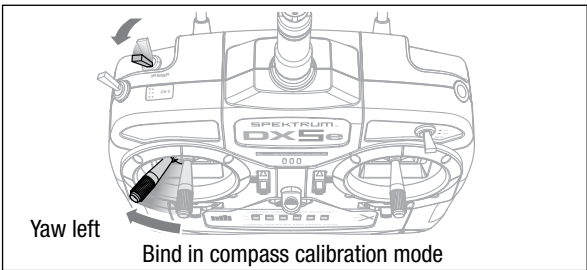
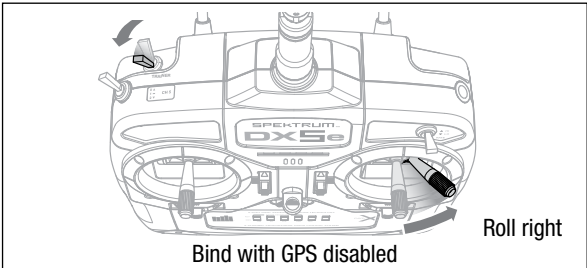
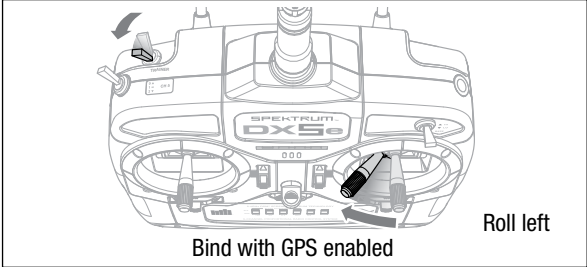
Entering Bind Mode



Normal Bind





Transmitter Bind Codes

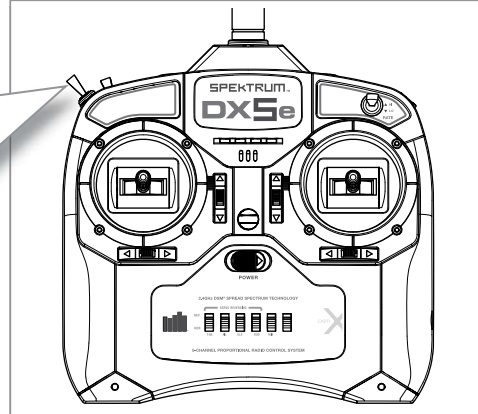
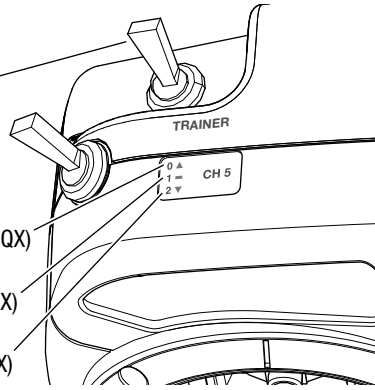
Mode 2 shown



Flight Mode Switches

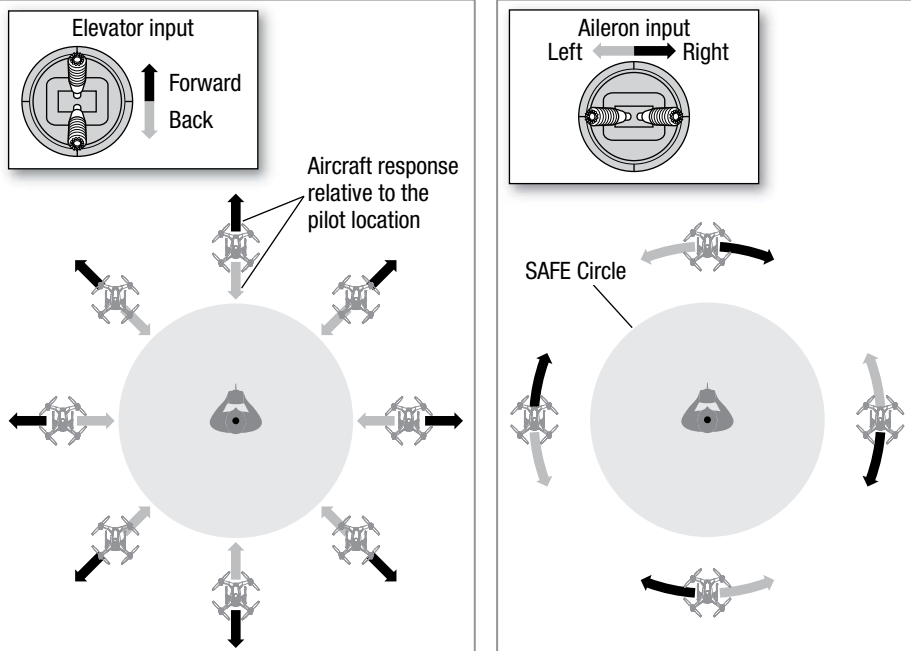
GPS Enabled Functions

-  **Return Home**
(Rapid Red flashing LED on the 350 QX)
-  **Smart Mode**
(Solid Green LED on the 350 QX)
-  **Stability Mode**
(Solid Blue LED on the 350 QX)
-  **Agility Mode**
(Solid Red LED on the 350 QX)

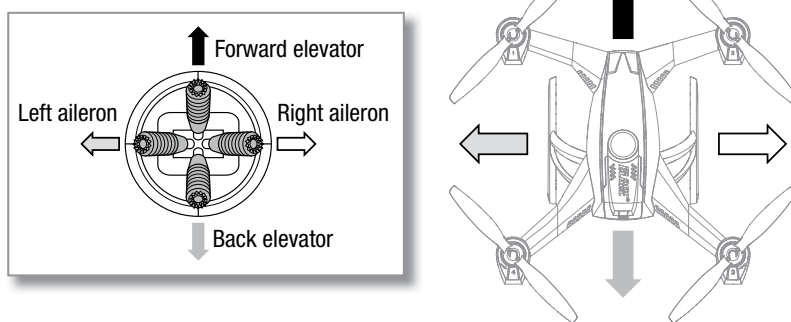





Flight Modes Explained

Stick Relativity



Stability and Agility Mode Control Inputs



-  **Flight Mode 0—Smart Mode (Default)**
(Solid Green Indicator LED)
Stick Relativity—While in **Smart Mode**, the path of the aircraft will always follow the control stick input direction relative to the SAFE Circle, regardless of the direction the nose of the aircraft is pointing.
 - *SAFE Circle™*—In most scenarios, the quad will not enter the SAFE Circle.
 - *Position Hold*—The aircraft will hold its position when elevator and aileron inputs are at neutral.
 - *Self-Leveling*—Brings the 350 QX to a level attitude when the elevator and aileron inputs are at neutral.
 - *Altitude Command*—Altitude is relative to throttle stick position.
-  **Flight Mode 1—Stability Mode**
(Solid Blue Indicator LED)
 - *Self-Leveling*—Brings the 350 QX to a level attitude when the elevator and aileron inputs are at neutral.
 - *Position Hold*—The 350 QX uses GPS to hold a given location when this function is activated. If GPS is enabled and has a solid lock, the aircraft will hold its position when elevator or aileron inputs are at neutral.
 - *Throttle provides proportional thrust*—The throttle responds directly to the throttle input, giving the pilot direct control over hovering as well as ascent and descent rates.
-  **Flight Mode 2—Agility Mode**
(Solid Red Indicator LED)
 - *Aerobatic*—Capable of flips and rolls
 - *Throttle provides proportional thrust*—The throttle responds directly to the throttle input, giving the pilot direct control over hovering and ascent and descent rates.

The Blade 350 QX flies very differently in the different flight modes. Beginners should use **Smart Mode** to start and progress slowly into **Stability Mode**. When flying in **Smart Mode**, the quadcopter follows stick input based on the set pilot location. When flying in **Stability Mode**, the quadcopter follows stick inputs based on the orientation of the aircraft. The transition from **Smart Mode** to **Stability Mode** can be a challenge for new flyers because the pilot will need to learn how to interpret the aircraft's orientation.

This aircraft is extremely sensitive to control inputs in **Agility Mode** and has NO self leveling. We recommend you fly at low rate settings for the first few flights until you are familiar with its response. For pilots new to quadcopters and helicopters, familiarize yourself with the Blade 350 QX in **Smart Mode** and at low rate.

As you become more familiar with the quadcopter's response, adjust the rates and expo to suit your flying style (if using a computer radio).

NOTICE: Do not attempt to fly your 350 QX in **Stability Mode** or **Agility Mode** until you have familiarized yourself with the operation of the aircraft in **Smart Mode** and read and understand the descriptions of the other flight modes.

Audible Alerts and LED Codes

The motors will Beep under the following conditions:

- Any time the props stop spinning after they have been initialized.
- After 30 seconds of no throttle input (waiting armed on the ground).

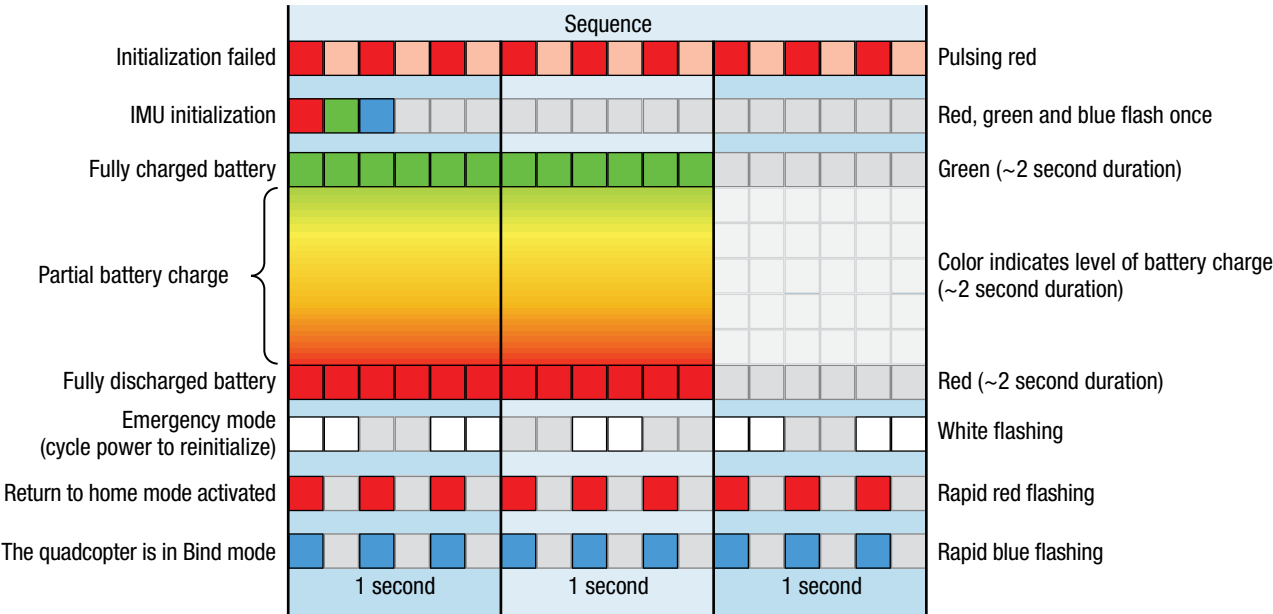
Audible Alerts

Event	Audible Alert
ESC power on	one short beep
Successful initialization	many continuous tones with increasing frequency
RC signal detected after start	one long tone
Bind detected	one long tone
Bind accepted (3 seconds after detected)	one long tone
Thrust stick in correct position for motor start	low, med, high (happy tone)
Cannot start motors because of low voltage	high, med, low (sad tone)
Cannot start motors because vehicle is tilted	high, med, low (sad tone)
Enter ESC ID assignment mode	loud high, low — high, low

Initialization Audible Alerts

Event	Audible Alert
Gyro, accelerometer sensor error	High, low, 1 short tone
Compass initialization error	High, low, 2 short tones
Pressure sensor initialization error	High, low, 3 short tones
GPS initialization error	High, low, 4 short tones
ESCs not detected	High, low, 6 short tones
Settings saved (i.e. when changed GPS on/off, etc)	Rapid low, med, high — low, med, high
Trim warning (when in Smart or Agility Mode)	Continuous very short, rapid tone
Low-battery warning	Medium frequency, loud tone (every 3 seconds)
Emergency state warning (also after ESC ID assignment)	Once per second loud medium tone

Startup LED Codes



Flying LED Codes

	Sequence												
Smart Mode, with GPS lock	■	■	■	■	■	■	■	■	■	■	■	■	Solid green
Smart Mode, no GPS lock	■	■	■	■	■	■	■	■	■	■	■	■	3 green flashes, pause
Stability Mode, with pressure	■	■	■	■	■	■	■	■	■	■	■	■	Slow green flash
Stability Mode, with GPS lock	■	■	■	■	■	■	■	■	■	■	■	■	Solid blue
Stability Mode, no GPS lock	■	■	■	■	■	■	■	■	■	■	■	■	3 blue flashes, pause
Stability Mode, GPS disabled	■	■	■	■	■	■	■	■	■	■	■	■	Slow blue flash
Agility Mode, with GPS lock	■	■	■	■	■	■	■	■	■	■	■	■	Solid red
Agility Mode, no GPS lock	■	■	■	■	■	■	■	■	■	■	■	■	3 red flashes, pause
Agility Mode, GPS disabled	■	■	■	■	■	■	■	■	■	■	■	■	Slow red flash
Flight mode set to Smart Mode	■	■	■	■	■	■	■	■	■	■	■	■	Shows flight mode position on motor startup
Flight mode set to Stability Mode	■	■	■	■	■	■	■	■	■	■	■	■	
Flight mode set to Agility Mode	■	■	■	■	■	■	■	■	■	■	■	■	
Flight battery voltage below 10.9V	■	■	■	■	■	■	■	■	■	■	■	■	Red, green and blue flash (~3 second cycle)
Flight battery voltage below 10.6V	■	■	■	■	■	■	■	■	■	■	■	■	Red, green and blue flash (~1 second cycle)
	1 second				1 second				1 second				



CAUTION: If you see the LED signal for low battery, immediately land your aircraft and recharge the battery.



CAUTION: Do not attempt to use Return Home with a low battery.

Calibration LED Codes

	Sequence												
Gyro temperature calibration*	■	■	■	■	■	■	■	■	■	■	■	■	Rapid green and blue flashing
No calibration	■	■	■	■	■	■	■	■	■	■	■	■	Green pulsing
Compass calibration entered	■	■	■	■	■	■	■	■	■	■	■	■	Slow red and green flashing
Compass calibration started	■	■	■	■	■	■	■	■	■	■	■	■	Rapid red and green flashing
Pressure sensor temperature calibration	■	■	■	■	■	■	■	■	■	■	■	■	Rapid red and blue flashing
Pressure and gyro calibration*	■	■	■	■	■	■	■	■	■	■	■	■	Rapid red, green and blue flashing
Accelerometer offset calibration entered (in flight only)	■	■	■	■	■	■	■	■	■	■	■	■	Slow red, green and blue flashing
Accelerometer offset calibration started (in flight only)	■	■	■	■	■	■	■	■	■	■	■	■	Rapid red, green and blue flashing
Calibration failed	■	■	■	■	■	■	■	■	■	■	■	■	Solid white
	1 second				1 second				1 second				

* These items are performed by the manufacturer.

GPS Functionality of the 350 QX


To acquire a reliable GPS signal, it is important the 350 QX has a clear view of the sky. Obstructions that can affect the aircraft's ability to acquire an acceptable signal include:

- Flying close to or around tall/big buildings
- Flying under dense vegetation
- Flying indoors or under a structure

If you lose or cannot acquire a GPS lock and home position, the aircraft will not have Stick Relativity, SAFE Circle, Position Hold or Return Home functions available.

It is not possible to use **Smart Mode** without having GPS enabled. If the 350 QX is initialized without GPS enabled, it will default to **Stability Mode**. The aircraft will still be capable of altitude hold.

If you do not have a GPS signal, try maneuvering the 350 QX by steering with forward elevator and rudder only.

**CAUTION:** Do not attempt to fly the 350 QX with GPS enabled while indoors or in a location where the GPS signal is known to be poor, as loss of signal could result in a crash.

GPS Functions

(see the binding section for turning GPS functions ON and OFF)

With GPS ON

- If the 350 QX took off with GPS lock and a home position set, when Return Home mode is activated the quadcopter will fly back to the start position (maintaining altitude along the way), then reduce altitude to land.
- If the 350 QX should lose GPS when Return Home mode is activated, it will land quickly using the barometric pressure sensor to maintain the descent rate.
- If the 350 QX took off without GPS lock, but acquires a GPS signal in flight, it will land slowly using GPS to hold its position and barometric pressure sensor to maintain the descent rate when Return Home mode is activated.
- If the 350 QX loses GPS during landing in Return Home mode, it will increase the rate of descent and land quickly to avoid drift.
- If the 350 QX deviates too far from its intended GPS path when in Return Home mode, it will descend using the barometric pressure sensor to maintain the descent rate. This could happen if the flight control system loses its orientation because of aggressive flight in 3 axis mode.
- Once the 350 QX has landed in Return Home mode it will disarm the motors.

With GPS OFF

- If Return Home mode is activated, the 350 QX will level off and land quickly using the barometric pressure sensor to maintain the descent rate.

Flight Guidelines and Warnings

- Always keep aircraft in sight and under control.
- Always keep people and pets at least 35 feet (10 meters) away when the battery is connected.
- Keep children out of the vicinity of this product at all times.
- Always use fully charged batteries.
- Always keep transmitter powered on while aircraft is powered.
- Always remove batteries before disassembly.
- Always keep moving parts clean.
- Always keep parts dry.

- Always let parts cool after use before touching.
- Always remove batteries after use.
- Always have a first aid kit with you.
- Always have an appropriate fire extinguisher with you.
- Never operate aircraft with damaged wiring.
- Never touch moving parts.

The Blade 350 QX has many more features than other Blade quadcopters. Please take the time to read this manual and understand the functions this aircraft contains before flying.

- Once the 350 QX has landed in Return Home mode it will disarm the motors.

GPS Failure

Upon GPS failure, the 350 QX will respond according to the following conditions:

Smart Mode: (rapid Green flashing LED)

If the 350 QX is in this mode and the GPS fails, the quad will default to **Stability Mode**. The aircraft will still use the pressure sensor to maintain altitude and control rate of descent. If GPS is re-acquired, after 5-10 seconds of reliable GPS signal the **Smart Mode** functions are returned to normal

Stability Mode: (long Blue, two short Green flashing LED)

If the 350 QX is in this mode and the GPS fails, it will not switch to **Smart Mode** and will not enter GPS hold, but will otherwise function normally. If GPS is reacquired, after 5-10 seconds of reliable GPS signal the **Stability Mode** functions are returned to normal

Agility Mode: (long Red, two short Green flashing LED)

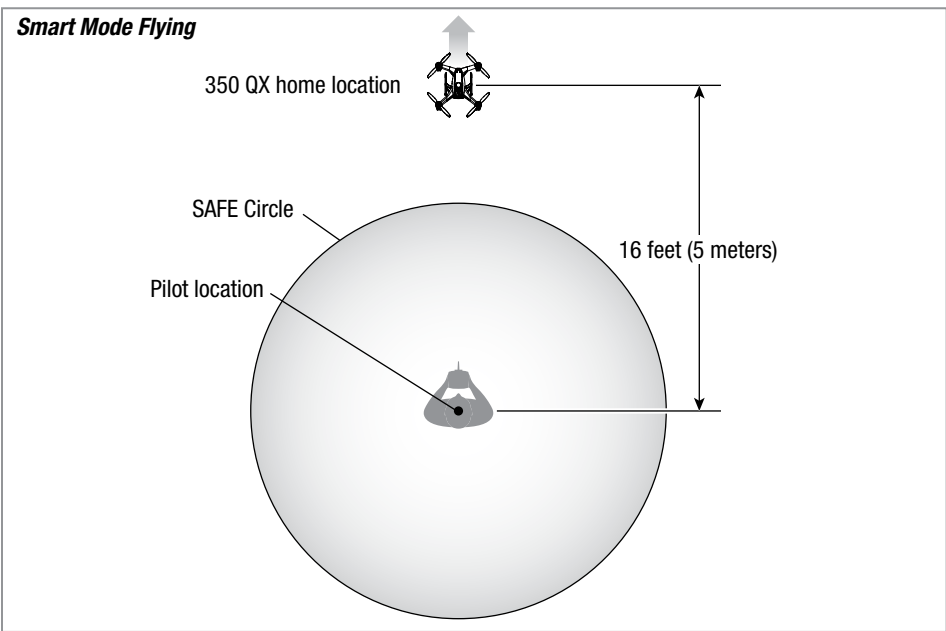
If the 350 QX is in this mode and the GPS fails, it will not affect flight performance, but it will not be able to switch into **Smart Mode**. It will still be able to switch into **Stability Mode** with the limitations described above.

Loss of Transmitter Signal

If the transmitter signal is lost for any reason, the 350 QX will respond according to the following conditions:

- If the motors are not turning, the 350 QX will disarm.
- If the motors are turning but the 350 QX is not flying, it will turn off the motors and disarm.
- If the 350 QX is flying and has a good GPS lock with a home position set, it will activate the Return Home function upon the loss of the transmitter signal.
- If the compass is not connected or faulty, or if there is no GPS lock, the 350 QX will descend slowly upon the loss of the transmitter signal.
- If the pressure sensor is not working, the 350 QX will reduce power to initiate a controlled descent upon the loss of the transmitter signal.

Preparing the 350 QX For Flight



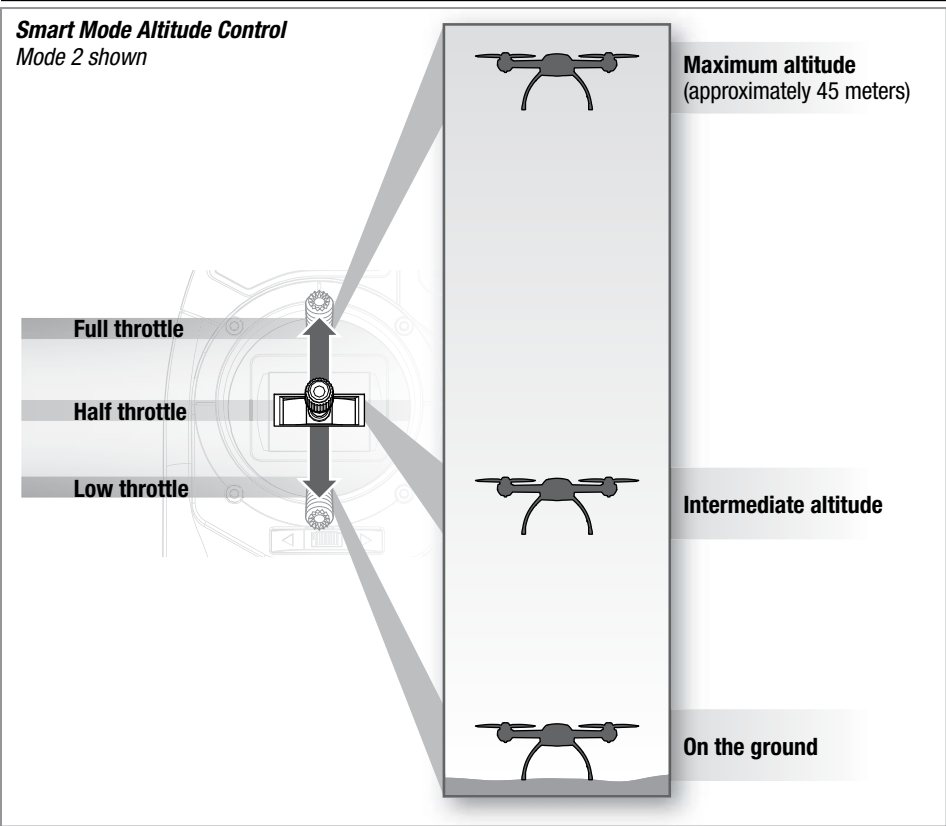
1. Power on the transmitter with the flight mode set to **Smart Mode**, the throttle stick down and the throttle trim at neutral.
2. Install a charged battery, plug it in and close the hatch.
3. With the quad on a level surface, turn on the power switch and allow the 350 QX to initialize. If the GPS is enabled, wait for the GPS signal to be acquired, which is indicated by a solid green LED. It may take from 30–90 seconds to acquire a GPS signal.
- IMPORTANT:** While in **Smart Mode** the motors will not start if a GPS signal has not been acquired.
4. Move the aircraft to the desired home location and orient the aircraft pointed away from the pilot.
5. Step back approximately 16 feet (5 meters) from the home location.
6. When you are prepared to fly, quickly move the rudder stick all the way left and then all the way right. The props will begin to spin. The home position for GPS functions is set and your aircraft is ready to fly.

IMPORTANT: The motors will not start if the transmitter is set to low rate. The dual rate switch must be set to high rate.

Lower the throttle stick and the throttle trim to power off the props after flight.

CAUTION: When the home location is set (**step 6**), the 350 QX must be approximately 16 feet (5 meters) from where the pilot will stand during flight, pointing away from the pilot. If the aircraft is pointed in any other direction, the *SAFE Circle* feature will not function as expected and may result in personal injury or damage to property. Once the aircraft's motors are started, do not change your position.

Flying the 350 QX



Takeoff

Increase the throttle slightly above low stick (10–15%). The 350 QX altitude in **Smart Mode** corresponds to the throttle position. Low throttle is on the ground, slightly raising the throttle will produce a low hover, and the higher the throttle position, the higher the 350 QX will ascend until it reaches its maximum altitude (approximately 45 meters).

Explore the flight envelope of the 350 QX in **Smart Mode** without fear of losing orientation. See the diagrams in the *Flight Modes Explained* section for more details on the aircraft's function in **Smart Mode**. In **Smart Mode**, the direction the aircraft is pointing does not affect the control, and the aircraft's response relative to you (*the pilot location*) does not change with orientation. **Stability Mode** and **Agility Mode** operate more like a conventional RC helicopter or multicopter.

IMPORTANT: Aggressive flight in **Agility Mode** will significantly reduce flight time.

Landing

To land the 350 QX there are two options:

- Guide the aircraft to where you wish to land and reduce the throttle. Reduce the throttle trim after landing to disarm the motors.
- Activate the Return Home function to return the 350 QX to the assigned home location and land automatically.

CAUTION: Do not activate the **Return Home** function if the 350 QX is showing the low battery indication. *Manually land the aircraft immediately.*



Return Home

- When this feature is activated, the 350 QX will fly back to its assigned home location and land. After landing, the motors may take up to 5 seconds to disarm. If the motors take more than 20+ seconds to disarm, perform the Pressure Sensor Calibration.
- To restart the props after landing in **Return Home**, fully lower the throttle and ensure the throttle trim is neutral, then quickly move the rudder stick fully left and then fully right.

CAUTION: The 350 QX will not recognize the **SAFE Circle** feature when **Return Home** is used. Activating **Return Home** may cause the 350 QX to fly directly over the pilot if the aircraft was flown to a position behind where the pilot was standing when the home position was established.

After Your Flight

1. Turn off the power switch on the 350 QX.
2. Turn off the power to your transmitter.
3. Unplug and remove the battery from the 350 QX.

CAUTION: Always disconnect the Li-Po battery from the aircraft when not flying to avoid over-discharging the battery. Batteries discharged to a voltage below the lowest approved voltage may become damaged, resulting in loss of performance and potential fire when batteries are charged.

Location alert

The motors will Beep under the following conditions:

- At any time the props stop spinning after they have been initialized.
- After 30 seconds of no throttle input (waiting armed on the ground).

This will alert the pilot to the location of the aircraft if it lands in a location with low visibility.

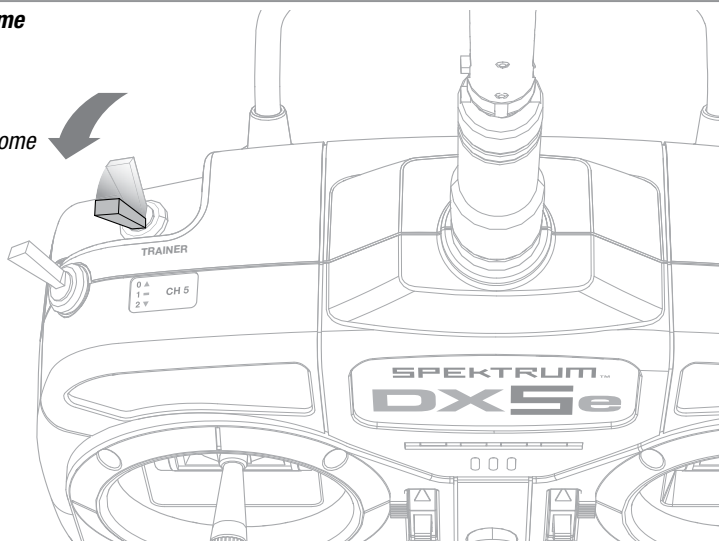
Beeping will continue until the battery can no longer supply enough power to the motors.

If the quadcopter crash lands and one or more motors are stopped by an impact, the quadcopter enters emergency mode. The LED will flash white and the motors will beep loudly.

Activating Return Home

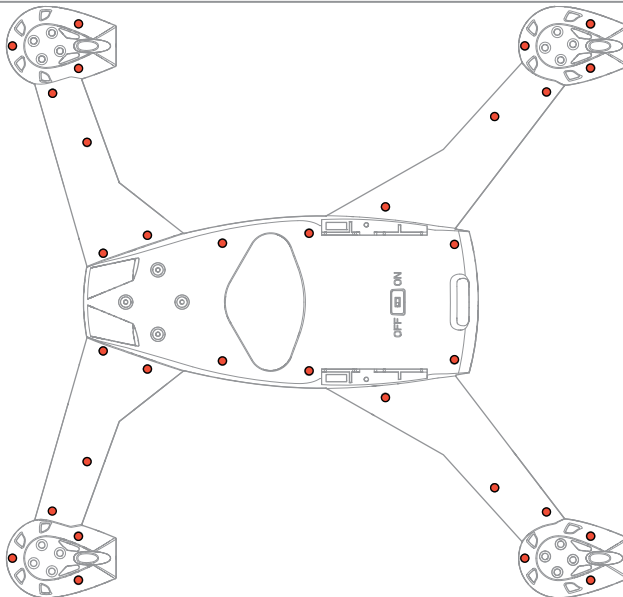
Press and hold.

Releasing the switch will stop the *Return Home* program.

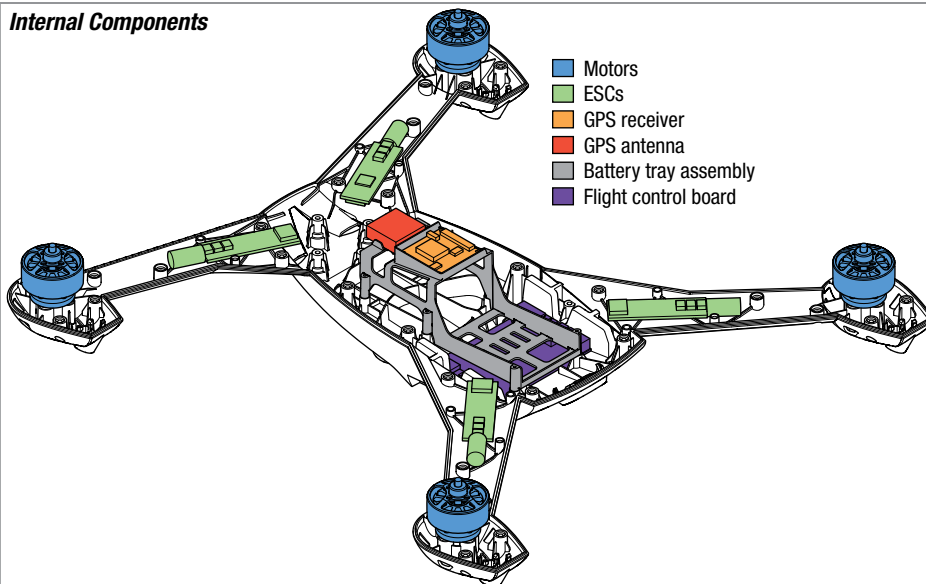


Airframe Maintenance

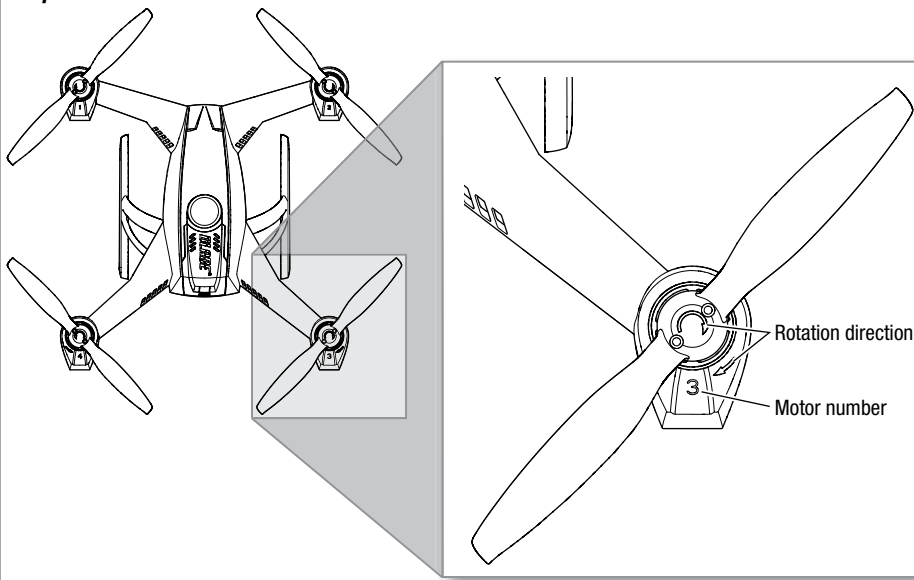
Body Screw Locations



Internal Components



Propeller Direction of Rotation Indicators



Replacing the body

Disassembly of the old airframe

1. Ensure the battery is disconnected from the quadcopter.
2. Remove the 2 machine screws from each propeller and remove the propellers.
3. Remove the 32 1.5mm hex screws from the bottom of the frame to separate the upper and lower body pieces.
4. Unplug the compass sensor from the flight control board. Remove the landing gear with compass sensor and place it in a safe area away from magnets.

NOTICE: Do not allow the compass sensor to get near a magnet. Any magnet, including those in the 350 QX motors, can damage the compass and cause it to work incorrectly. If the 350 QX is flown with a faulty compass, all GPS functions will be compromised.

5. Unplug the GPS receiver from the flight control board and remove the battery tray assembly.
6. If you are replacing the GPS components, remove the foil from the GPS receiver and unplug the GPS antenna from the GPS receiver.
7. Remove the flight control board from the airframe.
8. Remove the motors and ESCs from the airframe.

Before installing the components into the new airframe, inspect all the components for any obvious damage or burnt smells. Check the motors for smooth bearings and inspect all the propellers for chips, burrs or cracks. Replace any parts in question.

Installing components in the new airframe

1. Install the motors and ESCs, making sure to match the wire colors on the connectors.
2. Install the flight control board.
3. Install the tray assembly.
4. Install the GPS receiver and GPS antenna and plug the cables into their corresponding sockets.
5. Assign the motors and ESCs according to the *ESC and Motor Assignment Procedure*.
6. Install the landing gear and connect the compass to the flight control board. If you replaced the compass or believe that it may have been impaired by a magnetic field, you will need to perform the compass calibration procedure.
7. Mount the top of the airframe.
8. Install the propellers, paying attention to the direction of rotation as indicated by the arrows molded in the frame and on the propellers for each motor.

Compass Calibration

The Flight Controller on the 350 QX has automatic magnetic declination calibration, so you will not have to worry about looking up the magnetic declination at your location and changing settings on your 350 QX to get accurate compass measurements. It is possible, however, that your compass may need to be calibrated if it is exposed to strong magnetic fields.

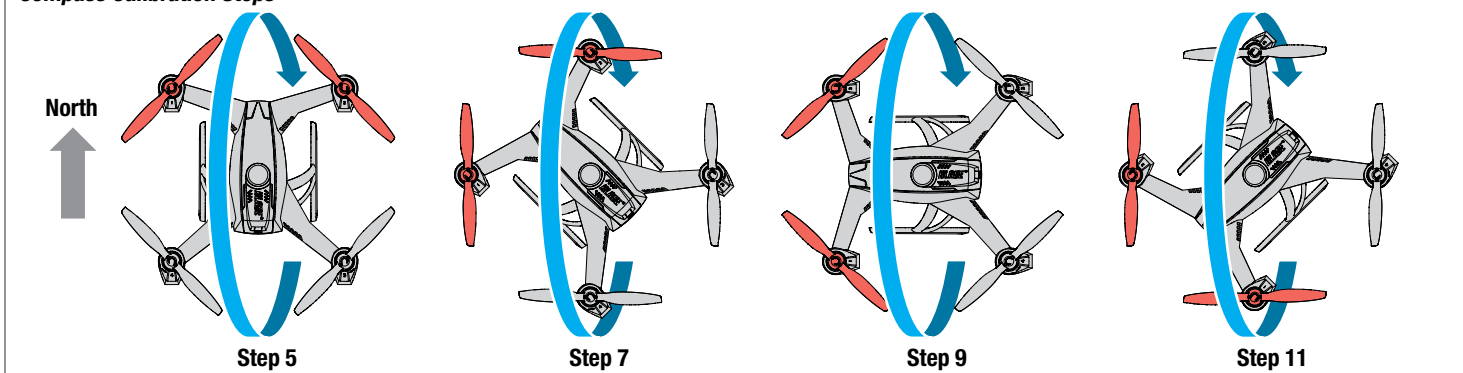
Compass calibration procedure:

1. Go to an open space outdoors away from metal. Take a conventional compass with you to ensure you know the direction of north.
2. Ensure your transmitter is off and then connect a flight battery to the 350 QX. Power the aircraft on. Wait five seconds and then the blue LED will begin flashing rapidly, signaling the aircraft is initialized and ready to bind.
3. Once the blue light begins flashing, bind with yaw stick left. The 350 QX LED will slowly flash between red and green for 5 seconds.
4. Put the 350 QX flat in your hands and face north. After 5 seconds of slow flashing the quad will start flashing rapidly. The quad is now collecting data to be used for the calibration.
5. Slowly rotate the quad 360 degrees about the east-west axis ("flip" the aircraft either forward or backward) until it is flat in your hands again.

6. Continue facing north and yaw the quad 45 degrees left so the quad is now facing north-west.
7. Slowly rotate the quad 360 degrees about the east-west axis, ("flip" the aircraft diagonally either direction) until it is flat in your hands again.
8. Continue facing north and yaw the quad 45 degrees left so the quad is now facing west.
9. Slowly rotate the quad 360 degrees about the east-west axis ("flip" the quad sideways either direction) until it is flat in your hands again.
10. Continue facing north and yaw the quad 45 degrees left so the quad is now facing south-west.
11. Slowly rotate the quad 360 degrees about the east-west axis ("flip" the aircraft diagonally either direction) until it is flat in your hands again.

You have 30 seconds to complete the procedure. The 350 QX should still be blinking rapidly when you finish. Hold the aircraft still until it stops blinking rapidly. If successful, the 350 QX will beep a positive confirmation and then restart itself. If unsuccessful, the 350 QX displays the failed calibration code, a solid white LED. If the 350 QX displays this error code, power off the aircraft and then begin the calibration procedure again.

Compass Calibration Steps



Pressure Sensor Calibration

The pressure sensor is calibrated at the factory on the 350 QX. Recalibration should only be necessary if you replace the sensor.

1. Place the 350 QX in a cold area. Allow it to remain in the cold for 30 minutes or more.
2. Bring the 350 QX out of the cold and into a warm area. The greater the difference in temperature between the cold and warm areas, the more accurate the calibration will be.
3. Ensure your transmitter is off and then connect a flight battery to the 350 QX and power the aircraft on. Wait five seconds and then the blue LED will begin flashing rapidly, signaling the aircraft is initialized and ready to bind.

4. Once the blue light begins flashing, bind with yaw stick right. The 350 QX will blink red and blue rapidly. Leave the aircraft and transmitter powered on and allow the aircraft to warm up for 10 minutes. Do not move the aircraft during this time.
5. After 10 minutes the motors on the aircraft will beep to indicate the calibration is complete. Power off the aircraft and then your transmitter.

If the 350 QX displays the failed calibration code, power off the aircraft and then begin the pressure calibration procedure again.

Accelerometer Calibration

To calibrate the accelerometer, the quadcopter needs to fly for 20 seconds while being level. This allows the accelerometer readings to be averaged and stored in memory.

Use the following procedure to calibrate the accelerometer:

1. Power on the quadcopter with the transmitter off to enter bind mode.
2. Turn on the transmitter while holding the elevator stick back and pressing the bind switch.
3. Set the flight mode switch to Stability Mode or Smart Mode. The quadcopter will fly in Stability Mode no matter which position is selected.
4. Start the motors. Fly the quadcopter off the ground. The quadcopter LED will flash slowly (red, green, blue).
5. Use trims to adjust roll/pitch so the quadcopter does not drift left/right and forward/back.
6. Activate the accelerometer calibration mode by changing the flight mode switch into Agility Mode. The vehicle will still fly in Stability Mode. The LED will start flashing quickly (red, green, blue).

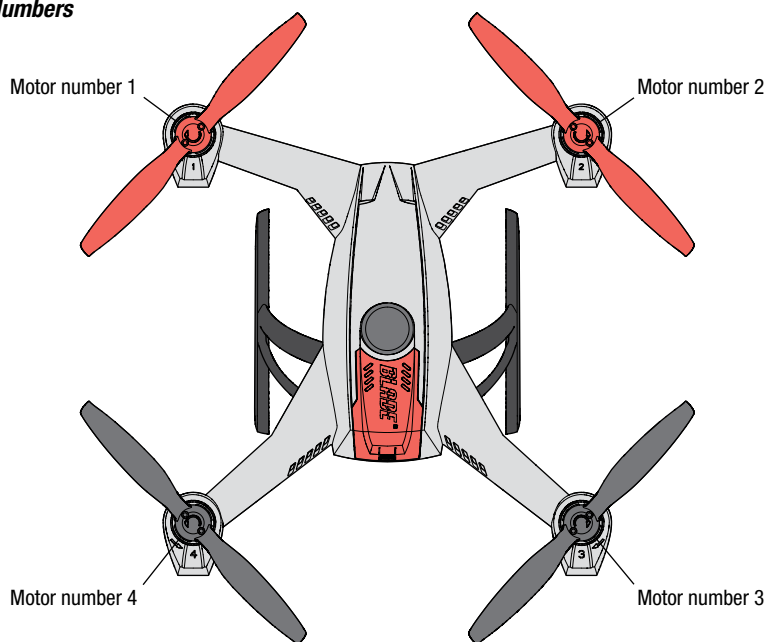
7. Fly steadily for 10–30 seconds. The LED will flash slowly when data collection is done.
8. Land the quadcopter and stop the propellers by lowering the throttle and throttle trim.

IMPORTANT: The calibrated values are not yet permanently stored. Do not turn off the quadcopter.

9. Center the trims on the transmitter. Start the motors and verify the quadcopter flies without drifting.
10. Land the quadcopter and stop the motors by lowering the throttle and throttle trim.
11. Save the calibration by moving the rudder stick quickly left, right, left, right. Values are saved when you hear a rapid triple tone twice.
12. Turn off the quadcopter.
13. Confirm the calibration by powering up the quadcopter and performing a test flight. If the calibration is not correct, start the calibration procedure again.

ESC and Motor Assignment Procedure

Motor Numbers



1. Begin with the transmitter off and connect a flight battery to the 350 QX.
 2. Power on the quadcopter on a level surface and wait for the rapid blue flashing LED to indicate the aircraft has entered bind mode.
 3. With the throttle stick in the full throttle position, press/pull the bind button/switch and power on your transmitter. The quadcopter will acknowledge the assignment mode with a loud high, then low tone. If your transmitter is equipped with a high throttle warning at startup, it is necessary to disable this alarm prior to completing this step. After the replacement procedure is complete, re-activate the high throttle warning in your transmitter.
 4. The motor number and prop direction are molded in the top of the body. The motors will give an audible "beep" to indicate which motor to calibrate. When the motors beep 1 time, spin motor 1 by hand. The motor will respond with the same number of tones upon successful assignment.
 5. When the motors beep 2 times, spin motor 2 by hand.
 6. When the motors beep 3 times, spin motor 3 by hand.
 7. When the motors beep 4 times, spin motor 4 by hand.
- When the assignment is successful, the quadcopter enters emergency mode. Restart the quadcopter.

Troubleshooting

Problem	Possible Cause	Solution
350 QX will not initialize	The quadcopter was moved during initialization	Re-arm the aircraft, being cautious to avoid any movement during initialization
	Throttle trim is not in the correct position	The trim may need to be adjusted a click above or below center
GPS will not lock	Heavy overcast	Wait for lighter cloud cover and re-lock or disable GPS
	Solar flares	Wait for disturbance to subside or disable GPS
	Aircraft is indoors	Disable GPS
	Objects blocking clear access to the sky (under a metal cover, inside a car, tall buildings, etc...)	Move aircraft to a clear area
	Video transmitter nearby	Re-position or remove video transmitter
GPS has reduced resolution	Raised threat level by the U.S. government	Wait for threat level to be reduced or disable GPS
	The GPS antenna coaxial cable is nicked, cut, or otherwise damaged	Replace the GPS antenna
GPS functions not operating properly	The compass has been exposed to a magnet	Move the aircraft away from the magnetic source. In worst case scenario, the compass may need to be replaced
	The GPS antenna coaxial cable is nicked, cut, or otherwise damaged	Replace the GPS antenna
	The aircraft is behaving erratically	Rebind the aircraft with the GPS function off
	Aggressive flight	Fly level for a few seconds before flipping into other modes
Motors will not start in Smart Mode	Rate mode switch set to low	Set transmitter dual rate switch to hi
	GPS signal is not acquired	Ensure a GPS signal is acquired
	Rudder trim not centered	Center the rudder trim
Motors will not start in Stability/Agility Mode	Rate mode switch set to low	Set transmitter dual rate switch to hi
	Rudder trim not centered	Center the rudder trim
Blades take a long period of time to shut off after completing return to home	Pressure calibration is needed	Refer to the Pressure Sensor Calibration section of this manual
The quadcopter has trouble finding the home position and the props will not shut off after returning home	Accelerometer calibration is needed	Refer to the Accelerometer Calibration section of this manual

Limited Warranty

What this Warranty Covers

Horizon Hobby, Inc., (Horizon) warrants to the original purchaser that the product purchased (the "Product") will be free from defects in materials and workmanship at 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 and

service you in the event that you may need any assistance. For questions or assistance, please visit our website at www.horizonhobby.com, submit a Product Support Inquiry, or call the toll free telephone number referenced in the Warranty and Service Contact Information section to speak with a Product Support representative.

Inspection or Services

If this Product needs to be inspected or serviced and is compliant in the country you live and use the Product in, please use the Horizon Online Service Request submission process found on our website or call Horizon to obtain a Return Merchandise Authorization (RMA) number. Pack the Product securely using a shipping carton. Please note that original boxes may be included, but are not designed to withstand the rigors of shipping without additional protection. Ship via a carrier that provides tracking and insurance for lost or damaged parcels, as Horizon is not responsible for merchandise until it arrives and is accepted at our facility. An Online Service Request is available at http://www.horizonhobby.com/content/_service-center_render-service-center. If you do not have internet access, please contact Horizon Product Support to obtain a RMA number along with instructions for submitting your product for service. When calling Horizon, you will be asked to provide your complete name, street address, email address and phone number where you can be reached during business hours. When sending product into Horizon, please include your RMA number, a list of the included items, and a brief summary of the problem. A copy of your original sales receipt must be included for warranty consideration. Be sure your name, address, and RMA number are clearly written on the outside of the shipping carton.

NOTICE: Do not ship Li-Po batteries to Horizon. If you have any issue with a Li-Po battery, please contact the appropriate Horizon Product Support office.

Warranty Requirements

For Warranty consideration, you must include your original sales receipt verifying the proof-of-purchase date. Provided warranty conditions have been met, your Product will be serviced or replaced free of charge. Service or replacement decisions are at the sole discretion of Horizon.

Non-Warranty Service

Should your service not be covered by warranty, service will be completed and payment will be required without notification or estimate of the expense unless the expense exceeds 50% of the retail purchase cost. By submitting the item for service you are agreeing to payment of the service without notification. Service estimates are available upon request. You must include this request with your item submitted for service. Non-warranty service estimates will be billed a minimum of ½ hour of labor. In addition you will be billed for return freight. Horizon accepts money orders and cashier's checks, as well as Visa, MasterCard, American Express, and Discover cards. By submitting any item to Horizon for service, you are agreeing to Horizon's Terms and Conditions found on our website http://www.horizonhobby.com/content/_service-center_render-service-center.

ATTENTION: Horizon service is limited to Product compliant in the country of use and ownership. If received, a non-compliant Product will not be serviced. Further, the sender will be responsible for arranging return shipment of the un-serviced Product, through a carrier of the sender's choice and at the sender's expense. Horizon will hold non-compliant Product for a period of 60 days from notification, after which it will be discarded.

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

FCC Information

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.



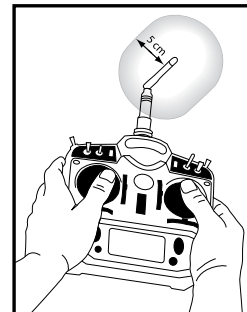
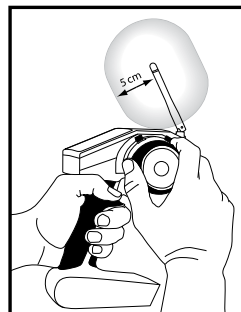
CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This product contains a radio transmitter with wireless technology which has been tested and found to be compliant with the applicable regulations governing a radio transmitter in the 2.400GHz to 2.4835GHz frequency range.

Antenna Separation Distance

When operating your Spektrum transmitter, please be sure to maintain a separation distance of at least 5 cm between your body (excluding fingers, hands, wrists, ankles and feet) and the antenna to meet RF exposure safety requirements as determined by FCC regulations.

The following illustrations show the approximate 5 cm RF exposure area and typical hand placement when operating your Spektrum transmitter.



IC Information

This device complies with Industry Canada license-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.

Compliance Information for the European Union

AT	BE	BG	CZ	CY	DE	DK
EE	ES	FI	FR	GR	HR	HU
IE	IT	LT	LU	LV	MT	NL
PL	PT	RO	SE	SI	SK	UK
IS	LI	NO	CH			

Declaration of Conformity

(in accordance with ISO/IEC 17050-1)

No. HH2013080502

Product(s): BLH 350 QX RTF

Item Number(s): BLH7800, BLH7800M1

Equipment class: 2

The object of declaration described above is in conformity with the requirements of the specifications listed below, following the provisions of the European R&TTE directive 1999/5/EC, EMC Directive 2004/108/EC and LVD Directive 2006/95/EC:

EN 300-328 V1.7.1: 2006

EN 301 489-1 V1.9.2: 2012

EN 301 489-17 V2.1.1: 2009

EN60950-1:2006+A11:2009+A1:2010+A12: 2011

EN61000-3-2:2006+A1:2009+A2:2009

EN61000-3-3:2008

EN55022:2010 + AC:2011

EN55024:2010



Signed for and on behalf of:
Horizon Hobby, Inc.
Champaign, IL USA
Aug 05, 2013

Robert Peak
Chief Financial Officer
Horizon Hobby, Inc.

Declaration of Conformity

(in accordance with ISO/IEC 17050-1)

No. HH2013080503

Product(s): BLH 350 QX BNF

Item Number(s): BLH7880

Equipment class: 1

The object of declaration described above is in conformity with the requirements of the specifications listed below, following the provisions of the European R&TTE directive 1999/5/EC, EMC Directive 2004/108/EC and LVD Directive 2006/95/EC:

EN 301 489-1 V1.9.2: 2012

EN 301 489-17 V2.1.1: 2009

EN61000-3-2:2006+A1:2009+A2:2009

EN61000-3-3:2008

EN60950-1:2006+A11:2009+A1:2010+A12: 2011

EN55022:2010 + AC:2011

EN55024:2010



Signed for and on behalf of:
Horizon Hobby, Inc.
Champaign, IL USA
Aug 05, 2013

Robert Peak
Chief Financial Officer
Horizon Hobby, Inc.

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.

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US 7,391,320. Other patents pending.

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