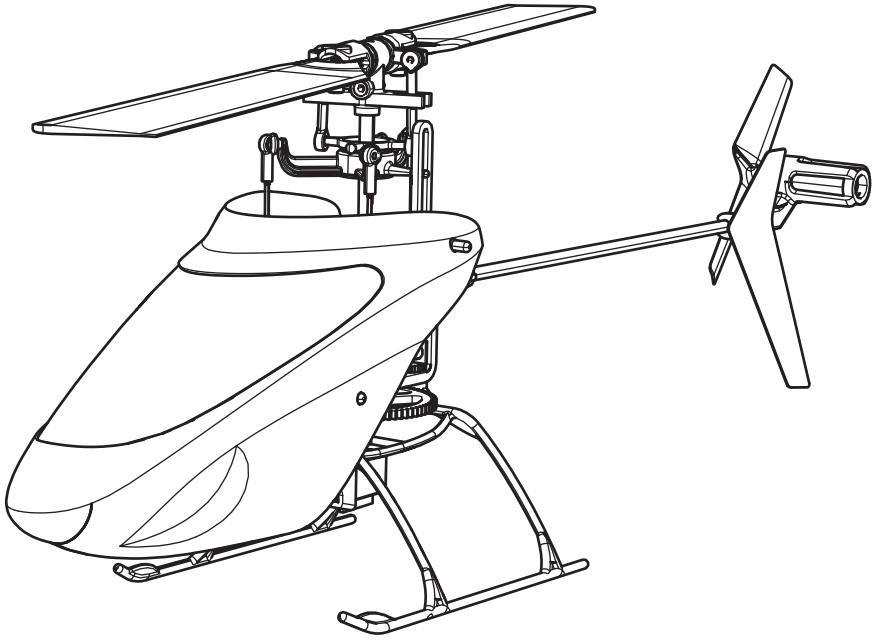
RTF BNF™

BLADE® NANO CPX

#1 BY DESIGN



Instruction Manual
Bedienungsanleitung
Manuel d'Utilisation
Manuale di Istruzioni

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 attempt disassembly, use with incompatible components or augment product in any way without the approval of 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.

Safety Precautions and Warnings

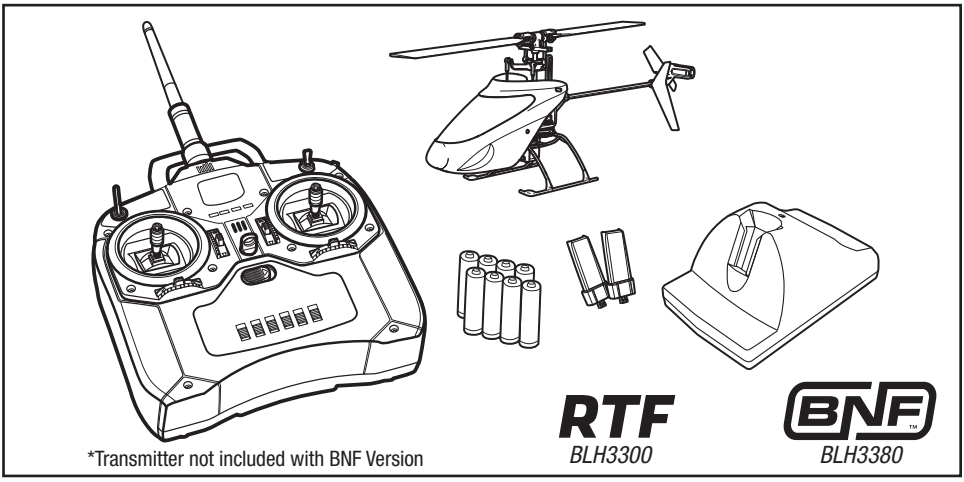
- Always keep a safe distance in all directions around your model to avoid collisions or injury. This model is controlled by a radio signal subject to interference from many sources outside your control. Interference can cause momentary loss of control.
- Always operate your model in open spaces away 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 engage throttle hold 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.

Introduction

As you are about to see, the Blade Nano CP X is an ultra micro heli experience unlike any other. The agility of the advanced AS3X® (Artificial Stabilization – 3-aXis) Flybarless System and its feather-light airframe eclipse that of just about every other heli its size. Inverted flight, loops, flips, rolls, funnels, hurricanes – the Nano CP X will do it all.

If you're transitioning from a basic CCPM or fixed-pitched heli, you'll find the Nano CP X is a great way to get comfortable flying aerobatic CCPM helis without having to invest a lot in expensive equipment or repairs. Its AS3X Flybarless System delivers a perfect balance of agility and stability that lets you explore your limits at your speed.

Before you start flying, though, please take time to read through this manual. It contains important pre-flight information and useful tips that will help ensure your first flight, and every one after it, is the best it can be.



*Transmitter not included with BNF Version

BLH3300

BLH3380

Table of Contents

Blade Nano CP X Features	Ready To Fly	Bind-N-Fly
Airframe – *Blade* Nano CP X	**Included**	**Included**
Main and Tail Motors – Brushed	**Installed**	**Installed**
On-board Electronics – Flybarless 3-in-1 Control Unit, RX/ESCs/ Gyros	**Installed**	**Installed**
Battery – 150mAh 1S 3.7V 25C LiPo Battery	**Included**	**Included**
Charger – 1-Cell 3.7V 0.3A DC Li-Po Charger	**Included**	**Included**
Transmitter – Requires a *DSMX*® Compatible Transmitter	**DX4e Included**	**Sold Separately**
Transmitter Batteries – 4 AA	**Included**	**Sold Separately**

Blade Nano CP X Specifications			
Length	7.75 in (197mm)	**Main Rotor Diameter**	7.75 in (197mm)
Height	3.10 in (79mm)	**Tail Rotor Diameter**	1.60 in (40mm)
Flying Weight	1.00 oz (29 g)		

Visit www.bladehelis.com to register your helicopter

Charging Warnings

The Battery Charger (EFLC1000) included with your helicopter 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.

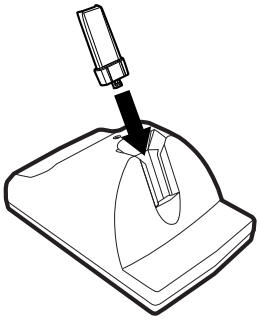
- **NEVER LEAVE THE POWER SUPPLY, CHARGER AND BATTERY UNATTENDED DURING USE.**
- **NEVER CHARGE BATTERIES OVERNIGHT.**
- By handling, charging or using the included Li-Po battery, you assume all risks associated with lithium batteries.
- If at any time the battery begins to balloon or swell, discontinue 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 40–120º 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.

WARNING: For optional AC operation, only use an E-flite 6V power supply with this charger. DO NOT use a 12V power supply or property damage and injury could occur.

Battery Charging

E-flite® 1-Cell 3.7V Rate 0.3A DC Li-Po Charger (EFLC1000) Instructions:

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. Remove the cover on the bottom of the charger and install four of the included AA batteries, noting proper polarity. Replace the cover after the AA batteries are installed.
3. Slide the battery into the slot on the charger. The end cap of the battery is specifically designed to allow the battery to fit into the slot one way (usually with the label on the battery facing outward) to prevent reverse polarity connection. However, check for proper alignment and polarity before proceeding to the next step.
4. Gently press the battery and its connector into the charge jack/connector located at the bottom of the slot in the charger.
5. When you make the connection successfully, the LED on the charger turns solid red, indicating charging has begun.
6. Charging a fully discharged (not over-discharged) 150mAh battery takes approximately 20–30 minutes. As the battery nears full charge, the LED begins to blink.
7. When the battery is fully charged, the LED blinks approximately every 20 seconds or goes out entirely. **If the LED stays on when the battery is removed, the AA batteries in the charger are low**.
8. Always remove the battery from the charger immediately upon completion of charging.



NOTICE: Only use the included charger. For DC charger operation (AA batteries): only use alkaline AA batteries to power the charger. Do not use rechargable AA batteries.

CAUTION: NEVER attempt to power the charger from an AC outlet without the use of a proper AC to DC adapter/power supply.

WARNING: For AC operation, only use an *E-flite* 6V power supply with this charger. DO NOT use a 12V power supply or property damage and injury could occur.

AS3X Flybarless Helicopter Technology

The Blade® Nano CP X features on-board AS3X flybarless technology. AS3X® technology combines 3-axis gyro stabilization with a new flybarless colective pitch rotor head, resulting in less drag, fewer parts and increased performance.

The AS3X technology also improves tracking, stability and cyclic response for intermediate and advanced pilots. However, the AS3X flybarless system is not a flying aid for beginners.

First Flight Preparation

- Remove and inspect contents
- Charge the flight battery
- Install the four AA batteries in the transmitter **(RTF ONLY)**
- Install the fully charged flight battery in the helicopter
- Program your computer transmitter **(BNF ONLY)**
- Test the controls
- Familiarize yourself with the controls
- Find a suitable area for flying

Flying Checklist

- ❏ Always turn the transmitter on first
- ❏ Plug the flight battery into the lead of the 3-in-1 control unit
- ❏ Allow the 3-in-1 control unit to initialize and arm properly
- ❏ Fly the model
- ❏ Land the model
- ❏ Unplug the flight battery from the 3-in-1 control unit
- ❏ Always turn the transmitter off last

BNF BIND-N-FLY®

Programming Your Transmitter (Computer Transmitters Only)

Program your transmitter before attempting to bind or fly the helicopter. If the throttle and pitch programming values are incorrect, the helicopter will not respond. Transmitter programming values are shown below for the *Spektrum*™ DX6i, DX7, DX7s, DX8, and DX18. The *Spektrum* DX8, DX7s, and DX18 model files are also available for download online at the *Spektrum* DX8 Community.

NOTICE: 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.

DX6i

SETUP LIST

Model Type
HELI

Reverse

THRO	N
AILE	N
ELEV	N
RUDD	N
GYRO	N
PITC	R

Swash Type
1 Servo 90

Timer
4:00

ADJUST LIST

D/R & Expo

0-AILE	100%	30%
0-ELEV	100%	30%
0-RUDD	100%	INH
1-AILE	85%	30%
1-ELEV	85%	30%
1-RUDD	85%	INH

Travel Adj

THRO	100%
AILE	100%
ELEV	100%
RUDD	100%
GYRO	100%
PITC	100%

Thro Curve

NORM	0%	40%	60%	80%	100%
STUNT	100%	100%	100%	100%	100%
HOLD	10%	10%	10%	10%	10%

Pitc Curve

NORM	30%	40%	50%	75%	100%
STUNT	0%	25%	50%	75%	100%
HOLD	0%	25%	50%	75%	100%

Programming Your Transmitter contd.

DX7/DX7se

SYSTEM LIST

Model Type
HELI

Swash Type
1 Servo 90

FUNCTION MODE

D/R & EXP

	EXP	D/R
0-AILE	30%	100%
0-ELEV	30%	100%
0-RUDD	INH	100%
1-AILE	30%	85%
1-ELEV	30%	85%
1-RUDD	INH	85%

Travel Adj

THRO	100%
AILE	100%
ELEV	100%
RUDD	100%
GEAR	100%
PIT.	100%

Thro Curve

NORM	0%	40%	60%	80%	100%
ST-1	100%	INH	80%	INH%	100%
ST-2	100%	100%	100%	100%	100%
HOLD	0%	0%	0%	0%	0%

Pitc Curve

NORM	30%	INH	50%	INH	100%
ST-1	0%	INH	50%	INH	100%
ST-2	0%	INH	50%	INH	100%
HOLD	0%	INH	50%	INH	100%

Reversing SW

THRO	N	RUDD	N
AILE	N	GEAR	N
ELEV	N	PIT.	N

Timer
4:00

DX7s

SYSTEM SETUP

Model Type
HELICOPTER

Swash Type
1 Servo Normal

F-Mode Setup
Flight Mode: F Mode
Hold: Hold

Frame Rate
22ms
DSMX

FUNCTION LIST

D/R & Expo

0-AILE	100%	30%
0-ELEV	100%	30%
0-RUDD	100%	0%
1-AILE	85%	30%
1-ELEV	85%	30%
1-RUDD	85%	0%

Throttle Curve

NORM	0%	40%	60%	80%	100%
ST-1	100%	100%	100%	100%	100%
HOLD	0%	0%	0%	0%	0%

Pitch Curve

NOR	30%	40%	50%	75%	100%
ST-1	0%	25%	50%	75%	100%
HOLD	0%	25%	50%	75%	100%

SERVO SETUP

Travel

THRO	100%
AILE	100%
ELEV	100%
RUDD	100%
GEAR	100%
PIT.	100%

Reverse

THRO	N
AILE	N
ELEV	N
RUDD	N
GEAR	N
PIT.	N

Timer

4:00	Basic Flying
3:00	Advanced Flying
MODE	Countdown
TIME	4:00 Tone/Vibe
START	Throttle Out
POS	25

DX8/DX18

SYSTEM SETUP

Model Type
HELI

Swash Type
1 Servo Normal

F-Mode Setup
Flight Mode: F Mode
Hold: Hold

Frame Rate
22ms
DSMX

FUNCTION LIST

D/R & Expo

0-AILE	100%	30%
0-ELEV	100%	30%
0-RUDD	100%	0%
1-AILE	85%	30%
1-ELEV	85%	30%
1-RUDD	85%	0%
2-AILE	85%	30%
2-ELEV	85%	30%
2-RUDD	85%	0%

Throttle Curve

NORM	0%	40%	60%	80%	100%
ST-1	100%	90%	80%	90%	100%
ST-2	100%	100%	100%	100%	100%
HOLD	0%	0%	0%	0%	0%

Pitch Curve

NOR	30%	40%	50%	75%	100%
ST-1	0%	25%	50%	75%	100%
ST-2	0%	25%	50%	75%	100%
HOLD	0%	25%	50%	75%	100%

SERVO SETUP

Travel

THRO	100%
AILE	100%
ELEV	100%
RUDD	100%
GEAR	100%
PIT.	100%

Reverse

THRO	N
AILE	N
ELEV	N
RUDD	N
GEAR	N
PIT.	N

Timer

4:00	Basic Flying
3:00	Advanced Flying
MODE	Countdown
TIME	4:00 Tone/Vibe
START	Throttle Out
POS	25

Transmitter and Receiver Binding

If you purchased an RTF model, the transmitter is bound to the model at the factory.

To bind or re-bind your Nano CP X to your chosen transmitter, please follow the directions below:

Binding is the process of programming the receiver of the control unit to recognize the GUID (Globally Unique Identifier) code of a single specific transmitter. You need to 'bind' your chosen *Spektrum™ DSMX®* technology equipped aircraft transmitter to the receiver for proper operation.

NOTICE: Use the Non-Computer Radio binding instructions if you are using a DX4e or DX5e transmitter with the Nano CP X BNF.

✓	Binding Procedure for Computer Radios:
	1. Disconnect the flight battery from the helicopter.
	2. Power off the transmitter and move all switches to the 0 position.
	3. Connect the flight battery to the helicopter. The 3-in-1 Control unit LED flashes after 5 seconds.
	4. Push the bind switch/button while powering on the transmitter.
	5. After 2–3 seconds, release the bind switch/button.
	6. Move the rudder control stick to full right. Continue to hold the rudder control stick to **full right** until the blue LED on the 3-in-1 control unit is solid.
	7. Release the rudder control stick.
	8. Disconnect the flight battery and power the transmitter off.

NOTICE: The throttle will not arm if the transmitter's throttle control is not put at the lowest position and the stunt mode switch is not in the 0 position.

If you encounter problems, obey binding instructions and refer to the troubleshooting guide for other instructions. If needed, contact the appropriate Horizon Product Support office.

For a list of compatible *DSMX* transmitters, please visit www.bindnfly.com.

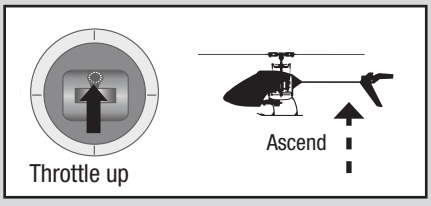
✓	Binding Procedure for Non-Computer Radio (DX4e, DX5e)
	1. Disconnect the flight battery from the helicopter.
	2. Power off the transmitter and move all switches to the 0 position.
	3. Connect the flight battery to the helicopter. The 3-in-1 Control unit LED flashes after 5 seconds.
	4. Push the trainer switch or button while powering on the transmitter.
	5. Move the rudder control stick to full left after the transmitter LED lights flash twice.
	6. Release the trainer switch/button. Continue to hold the rudder control stick to **full left** until the blue LED on the 3-in-1 control unit is solid.
	7. Release the rudder control stick.
	8. Push the trainer switch/button. The blue LED on the 3-in-1 control unit flashes to confirm the helicopter is in non-computer mode.
	9. Disconnect the flight battery and power the transmitter off.

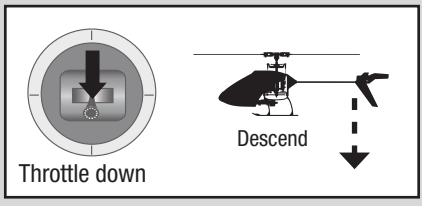
NOTICE: If the swashplate moves up and down when the trainer switch is moved, the helicopter is in computer transmitter mode; repeat binding procedure.

Understanding the Primary Flight Controls

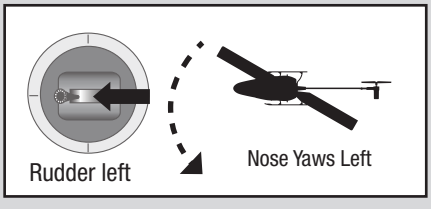
If you are not familiar with the controls of your Nano CP X, take a few minutes to familiarize yourself with them before attempting your first flight.

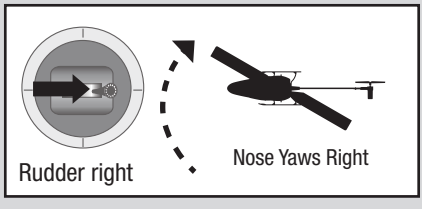
Throttle **(model viewed from left)** **Mode 1** **Mode 2**



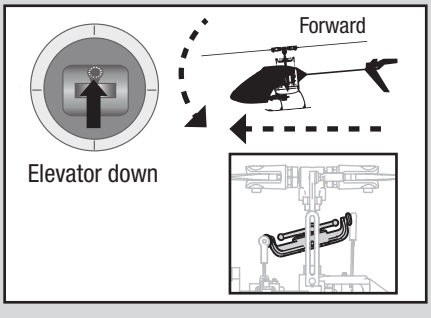


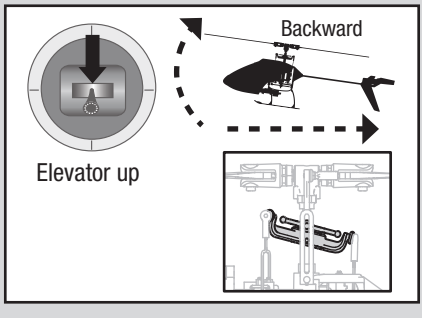
Rudder **(model viewed from top)** **Mode 1** **Mode 2**



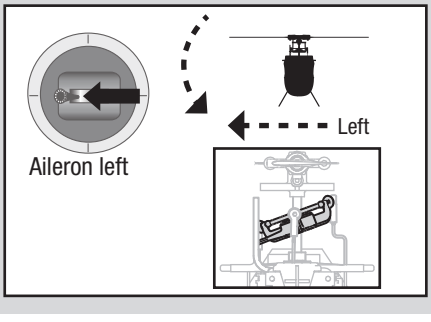


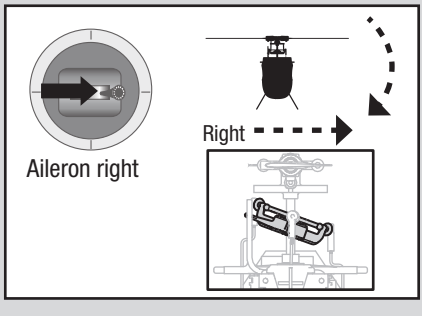
Elevator **(model viewed from left)** **Mode 1** **Mode 2**





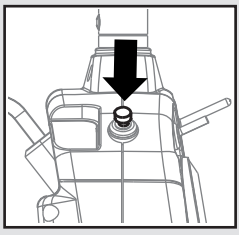
Aileron **(model viewed from back)** **Mode 1** **Mode 2**





Throttle Hold

Throttle hold is used to turn off the helicopter motors if the helicopter is out of control, in danger of crashing or both. Activate throttle hold anytime the helicopter is in danger to reduce the chance of damaging the helicopter in a crash. Throttle hold will stop the motor in normal or stunt mode.

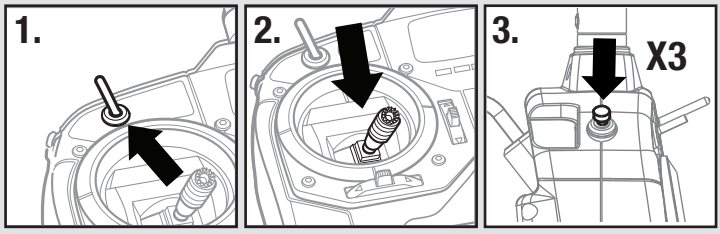


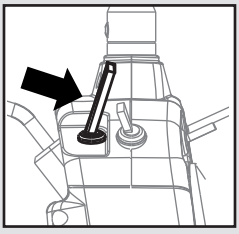
Throttle Hold ON (DX4e)

Press the trainer button anytime to turn throttle hold ON after connecting the battery to the helicopter. The blue LED flashes, indicating throttle hold is ON.

Throttle Hold OFF (DX4e)

1. Make sure the AUX switch is in the OFF position.
2. Lower the throttle stick.
3. Press the trainer button three times within 3 seconds. The blue LED is solid.



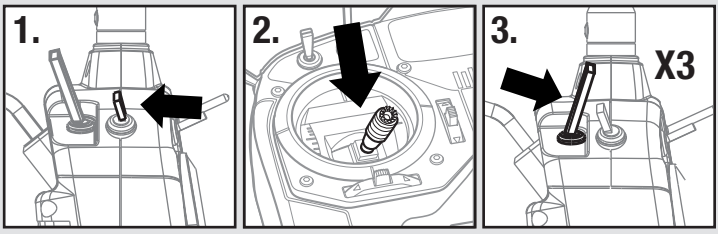


Throttle Hold ON (DX5e)

Pull the trainer switch anytime to turn throttle hold ON after connecting the battery to the helicopter. The blue LED flashes, indicating throttle hold is ON.

Throttle Hold OFF (DX5e)

1. Make sure the Gear switch is in the (0) position.
2. Lower the throttle stick.
3. Pull the trainer switch three times within 3 seconds. The blue LED is solid.



Stunt Mode

Stunt Mode allows the helicopter to fly inverted and perform aerobatics. The throttle runs continuously when Stunt Mode is ON, regardless of throttle stick position. Turn Stunt Mode OFF to return control to the throttle stick.

Use the AUX/ACT switch on the DX4e transmitter or Gear switch on the DX5e transmitter to activate Stunt Mode.

DX4e – AUX/ACT OFF – Normal Mode
AUX/ACT ON – Stunt Mode

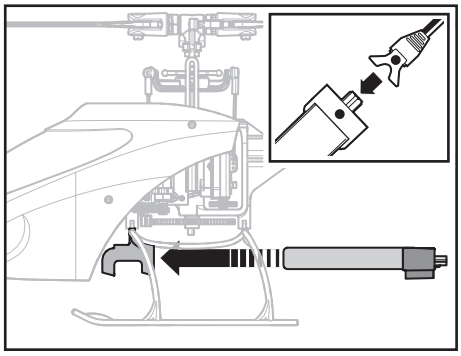
DX5e – Ch 5 (0) – Normal Mode
DX5e – Ch 5 (1) – Stunt Mode

Installing the Flight Battery

1. Lower the throttle and throttle trim to the lowest settings.
2. Power on the transmitter.
3. Install the flight battery in the battery holder. Connect the battery cable to the 3-in-1 control unit.

NOTICE: Do not allow the helicopter to move until the blue LED on the 3-in-1 control unit is solid.

NOTICE: Always disconnect the Li-Po battery from the 3-in-1 control unit of the aircraft when not flying. Failure to do so will render the battery unusable.



Low Voltage Cutoff (LVC)

Low voltage cutoff (LVC) protects the Li-Po battery from overdischarge in flight and activates when the battery reaches 3V per cell under load. Set your transmitter timer for 4 minutes and land when the timer expires.

LVC Precautions and Guidelines

- Repeatedly activating LVC damages the flight battery and you will need to replace the battery.
- Always unplug the Li-Po battery from the flybarless unit at the end of each flight. Failure to unplug the Li-Po battery during storage will over-discharge the battery and will prevent it from charging in the future.
- LVC does not protect the battery from over-discharge during storage.
- The warranty does not cover crash damage or battery damage.

Flying the Nano CP X

Consult local laws and ordinances before choosing a location to fly your aircraft. Select a large, open area away from people and objects. The Blade Nano CP X can fly outdoors on a calm day or indoors in a gymnasium.

CAUTION: Please take a few minutes to familiarize yourself with the Blade Nano CP X primary controls before attempting your first flight. The Blade Nano CP X is more responsive than other Blade micro helicopters like the Blade mSR. Seek help from an experienced pilot if you are new to collective pitch helicopters.

Takeoff

Gradually increase the throttle to allow the helicopter time to increase rotor head speed.

NOTICE: Do not give any aileron, elevator or rudder commands before takeoff or the helicopter may crash.

Flying

The helicopter lifts off the ground when the rotor head reaches a suitable speed, and you apply collective pitch. Establish a low-level hover to verify proper operation of your helicopter.

For pilots new to collective pitch helicopters, familiarize yourself with your Nano CP X in normal mode and at low rate. As you become more familiar with the helicopter's response, adjust the rates, expo, pitch and throttle curves to suit your flying style.

NOTICE: Always fly the helicopter with your back to the sun to prevent loss of flight control.

Landing

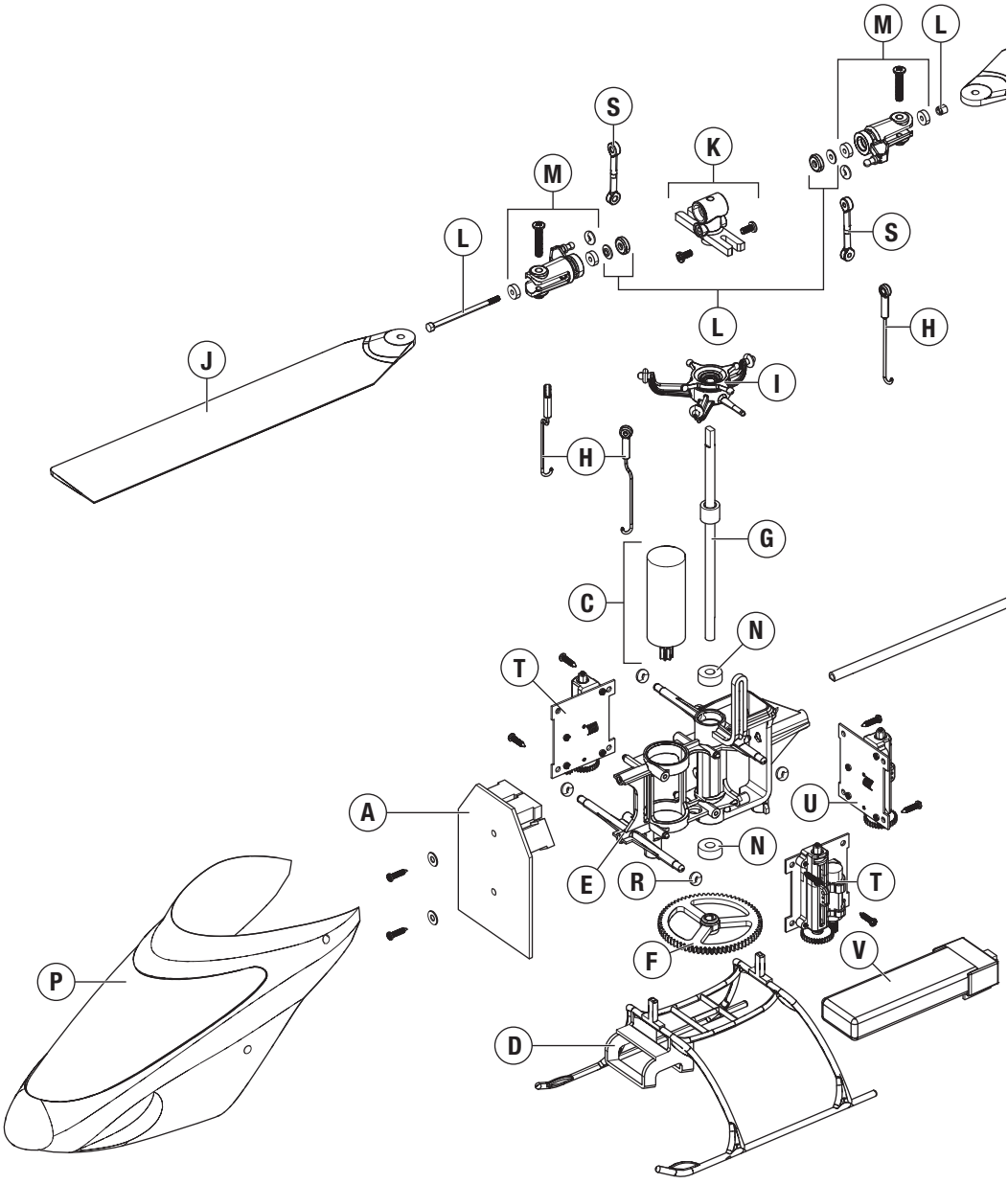
Establish a low level hover. Slowly lower the throttle until the helicopter lands. Make only small control corrections during this time to avoid rotor blade strikes or other damage.

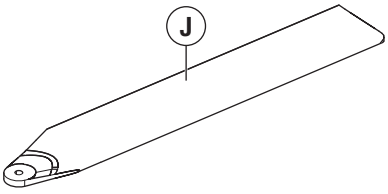
NOTICE: To minimize damage, always activate throttle hold in preparation for or during a crash.

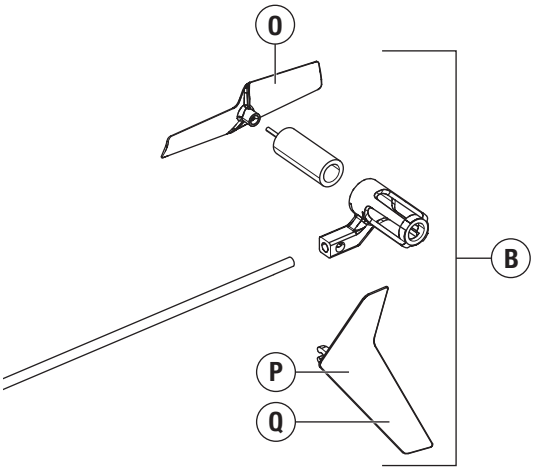
Troubleshooting Guide

Problem	Possible Cause	Solution
Helicopter will not initialize	Throttle at high position	Reset controls with throttle stick and throttle trim at center or lowest setting
	Switches not in normal position	Set flight mode to OFF/0 and exit throttle hold
	Pitch or throttle servo reversing improperly configured	Reset servo reversing *Refer to "Programming your Transmitter"*
Helicopter will not spool up	Throttle hold on	Turn off HOLD with throttle low and trim centered or low. *Refer to "Throttle Hold"*
	Low battery voltage	Completely recharge flight battery
Motor power decreases during flight	Receiver uses default soft Low Voltage Cutoff (LVC)	Recharge flight battery or replace battery that is no longer performing
Cannot turn off throttle hold	Stunt Mode switch still on	Set flight mode to OFF/ 0 and exit throttle hold
	Throttle not at low position	Reset controls with throttle stick and throttle trim at center or lowest setting
Powers off when flying upside down (inverted)	Stunt Mode off	When flying, switch stunt mode to ON/1 before flying inverted
Will not bind properly to non-computer radio	Helicopter binds differently to non-computer radios	Release bind button/ switch after applying left rudder. Do not hold the bind button/ switch after applying left rudder
Poor tail authority	Tail boom is cracked	Replace tail boom
	The tail rotor blade is warped or bent	Twist rotor blade back into position or replace
Climb out rate is greatly reduced	Main gear has slipped on the main shaft	Push main gear back into position
LED on receiver flashes rapidly and aircraft will not bind to transmitter (during binding)	Transmitter is too near aircraft during binding process	Power off transmitter, move transmitter a larger distance from aircraft, disconnect and reconnect flight battery to aircraft and follow binding instructions
	Bind switch or button was not held while transmitter was powered on	Power off transmitter and repeat bind process
	Aircraft or transmitter is too close to large metal object, wireless source or another transmitter	Move aircraft and transmitter to another location and attempt binding again
LED on receiver flashes rapidly and aircraft will not respond to transmitter (after binding)	Less than a 5-second wait between first powering on transmitter and connecting flight battery to aircraft	Leaving transmitter on, disconnect and reconnect flight battery to aircraft
	Aircraft is bound to a different model memory (*ModelMatch*™ radios only)	Select correct model memory on transmitter and disconnect and reconnect flight battery to aircraft
	Flight battery/transmitter battery charge is too low	Replace/recharge batteries
	Transmitter may have been bound to a different model (or with a different *DSM* Protocol)	Select the right transmitter or bind to the new one
	Aircraft or transmitter is too close to large metal object, wireless source or another transmitter	Move aircraft and transmitter to another location and attempt connecting again
Helicopter vibrates or shakes in flight	Damaged rotor blades, spindle or blade grips	Check main rotor blades and blade grips for cracks or chips. Replace damaged parts. Replace bent spindle

Exploded View and Parts Listings







Optional Parts

Part #	Description
BLH3318A	Blue Canopy Set: Nano CP X
BLH3320A	Blue Vertical Fin: Nano CP X
EFLC1004	Celectra™ 4 port charger
EFLC1005	AC to 6VDC 1.5-Amp Power Supply
	DX6i Transmitter
	DX7S Transmitter
	DX8 Transmitter
	DX18 Transmitter

	Part #	Description
A	BLH3301	Flybarless 3-in-1 Control Unit, RX/ ESCs/Gyros: Nano CP X
B	BLH3302	Tail Boom Assembly w/Tail Motor/ Rotor/Mount: Nano CP X
C	BLH3303	Main Motor with Pinion: Nano CP X
D	BLH3304	Landing Skid and Battery Mount: Nano CP X
E	BLH3305	Main Frame with Hardware: Nano CP X
F	BLH3306	Main Gear: Nano CP X, Scout CX
G	BLH3307	Carbon Fiber Main Shaft w/Collar & Hardware: Nano CP X
H	BLH3308	Servo Pushrod Set with ball link, 3pcs: Nano CP X
I	BLH3309	Complete Precision Swashplate: Nano CP X
J	BLH3310	Main Rotor Blade Set w/Hardware: Nano CP X
K	BLH3312	Main Rotor Hub with Hardware: Nano CP X

	Part #	Description
L	BLH3313	Feathering Spindle w/O-Rings & Hardware: Nano CP X
M	BLH3314	Main Blade Grips with Bearings: Nano CP X
N	BLH3315	2x5x2 Bearing (2)
O	BLH3603	Tail Rotor: mCP X/2, Nano CP X
P	BLH3318	Yellow Canopy Set: Nano CP X
Q	BLH3320	Vertical Fin with Decal: Nano CP X
R	BLH3521	Canopy grommets (8)
S	BLH3322	Rotor Head Linkage Set (4): Nano CP X
	BLH3323	Hardware Set: Nano CP X
T	SPMSH2025L	2.0 g Linear Long, 15mm Lead
U	SPMSH2026L	2.1 g Linear Long, 38mm Lead
	SPMR4400	DX4e DSMX 4-Channel Full Range Tx
	EFLC1000	1-Cell 3.7V 0.3A DC Li-Po Charger
V	EFLB1501S25	150mAh 1S 3.7V 25C Li-Po Battery
	SPM6836	Servo Mechanics: 2.3 g 2030L
	BLH3324	Spindle Tool Set: Nano CP X

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 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 877.504.0233 toll free to speak to 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 Horizon Hobby 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 LiPo batteries to Horizon. If you have any issue with a LiPo 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 Horizon Hobby Service Center.
NOTICE: Horizon service is limited to Product compliant in the country of use and ownership. If non-compliant product is received by Horizon for service, it will be returned unserviced at the sole expense of the purchaser.

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.

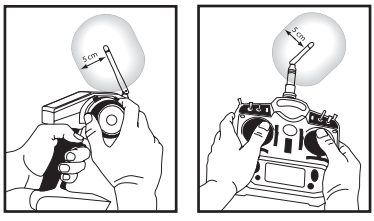
CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 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.

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



Compliance Information for the European Union

Declaration of Conformity

(in accordance with ISO/IEC 17050-1)

No. HH2012081003U1

Product(s): Blade nCPX Brushless RTF

Item Number(s): BLH3300BLC

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 300-328 V1.8.1
EN 301 489-1 V1.7.1: 2006
EN 301 489-17 V1.3.2: 2008
EN 301 489-1 V1.9.2: 2012
EN 301 489-17 V2.1.1: 2009

EN 60950-1:2006+A11:2009+A1:2010+A12: 2011
EN 62311: 2008

EN55022: 2010
EN55024: 2010

CE

Signed for and on behalf of:
Horizon Hobby, LLC
Champaign, IL USA
November 20, 2014

Mike Dunne
Executive Vice President Product Divisions
Horizon Hobby, LLC

Declaration of Conformity

(in accordance with ISO/IEC 17050-1)

No. HH2012081002

Product(s): Nano CP X BNF

Item Number(s): BLH3380

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 V1.7.1: 2006
EN 301 489-17 V1.3.2: 2008

EN 60950-1:2006+A12: 2011

EN55022: 2010
EN55024: 2010

CE

Signed for and on behalf of:
Horizon Hobby, LLC
Champaign, IL USA
August 10, 2012

Mike Dunne
Executive Vice President Product Divisions
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 make sure 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.