FORCE1

FORCE1RC.COM

MONARCH

MOTION DRONE

USER MANUAL



FOR MORE INFORMATION

Visit us online at **force1rc.com** for product information, replacement parts and flight tutorials.

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IMPORTANT STATEMENT

Thank you for buying a Force1 drone. **Please read this manual carefully before operating the drone.** By reading this manual it is assumed you are accepting all content in this user manual when using this drone.

(1) Please operate in a safe manner. We undertake no liability for human injury or property damage caused by improper operation, as we have no control over setup, use and operation of this drone.

(2) This drone is suitable for experienced RC drone users aged 14 years or above.

(3) The flying field must be legally approved by your local government. Please contact us if you have any questions about use, operation, technical support, repair, after-sale service, etc.

Force1 does not assume any responsibility for any accidents caused by using non-genuine parts and accessories. Keep the packaging and user manual for future reference.

Email us at support@force1rc.com for questions, comments or to request spare parts.

SAFETY PRECAUTIONS

This drone is suitable for experienced RC drone users aged 14 years or above. This product contains small parts, please keep out of reach of children.

Please pay special attention to the following safety procedures:

(1) Keep away from humid environment.
The drone is made of precise electronic components. Humidity or water vapor may damage electronic components causing accidents.

SAFETY PRECAUTIONS

(2) Keep away from rotating parts.
Rotating parts can cause serious injury and damage. Keep face and body away from rotating motors.

(3) Keep away from heat.
The RC drone is made of metal, fiber, plastic, electronic components etc. Keep away from heat and direct sunshine to avoid distortion and damage.

(4) Stay aware while operating this drone.
Avoid areas with sudden changes in elevation, uneven ground or dangerous obstacles.

IMPORTANT SAFETY NOTICE FOR DRONE CARE

- Store the drone in a cool, dry place at a temperature between 5°C/40°F and 27°C/80°F
- Store upright and do not rest objects against the drone
- Inspect the drone for damage after each flight
- Do not use if drone is punctured or damaged
- Do not expose the drone to water
- Do not leave the drone in direct sunlight
- Do not open the battery casing to switch out the battery
- Please use caution when in the presence of children or animals

This drone contains two rechargeable internal lithium-polymer (Li-Po) batteries. Please do not attempt to disassemble or repair the battery after it no longer holds a charge.

Email us at support@force1rc.com for questions, comments or to request spare parts.

GUIDELINES FOR LI-PO BATTERY-POWERED DEVICES

- Never overcharge a Li-Po battery
- Do not charge Li-Po batteries near flammable materials or liquids
- Keep Li-Po batteries away from children and animals
- Never use or charge a Li-Po battery that has ballooned or swelled
- Never use or charge a Li-Po battery that has been punctured or damaged
- Heat is a known factor in battery fires; if a battery is pushed beyond 60°C/140°F during discharging or charging, problems could occur due to metallic lithium generation, which damages the cell
- If the Li-Po battery is pushed beyond its limits, the battery could get hot and performance will drop
- Store Li-Po batteries at less than full charge if not in use for more than one week
- If the Li-Po battery is removed from the drone, inspect the battery and battery connections; if you find damage to the battery, battery pins or contacts, discontinue use and visit force1rc.com to purchase replacement parts

WARNING:
DO NOT LEAVE BATTERY CHARGING UNSUPERVISED

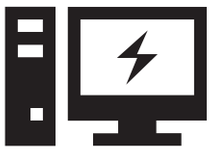
DRONE BATTERY CHARGING INSTRUCTIONS

- Use included USB charger to charge drone only when drone is OFF
- The USB charger light will turn red when charging
- If the charging cord isn't easily going in, DO NOT FORCE IT



Phone Charger

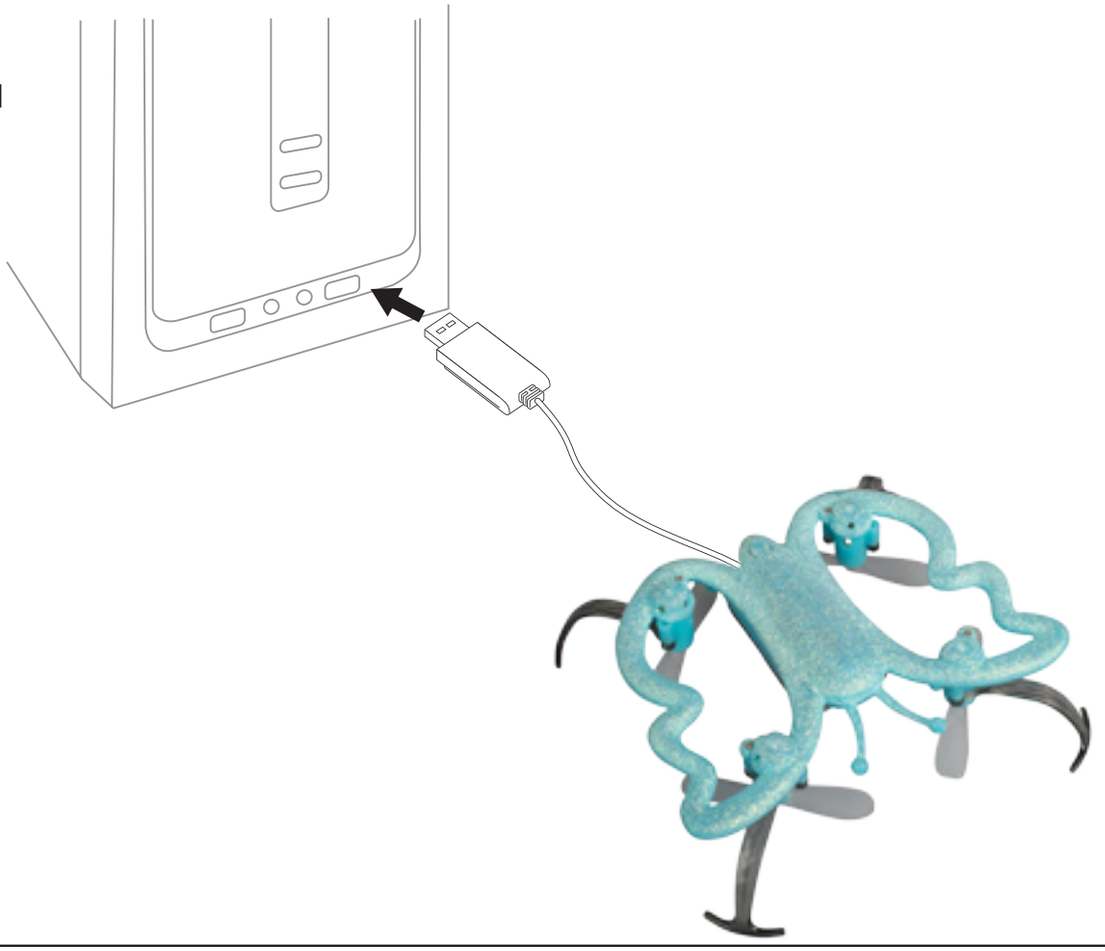
Power Bank

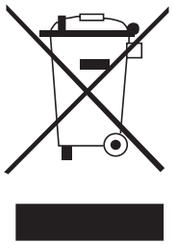


Computer



Car Charger





LI-PO BATTERY DISPOSAL & RECYCLING



Lithium-Polymer batteries must not be placed with household trash.
Please contact local environmental or waste agency or
your nearest Li-Po battery recycling center.

BOX CONTENTS



DRONE



PALM TRANSMITTER



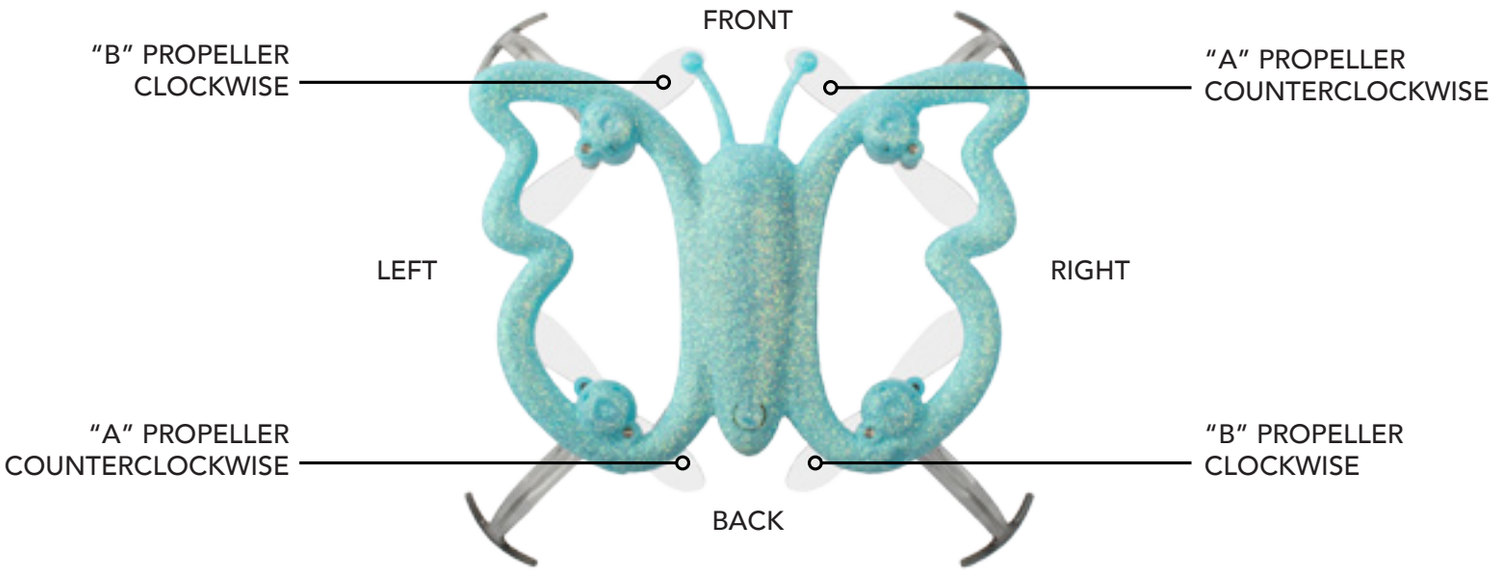
EXTRA FINGER GRIP

SPARE PROPELLERS (4)



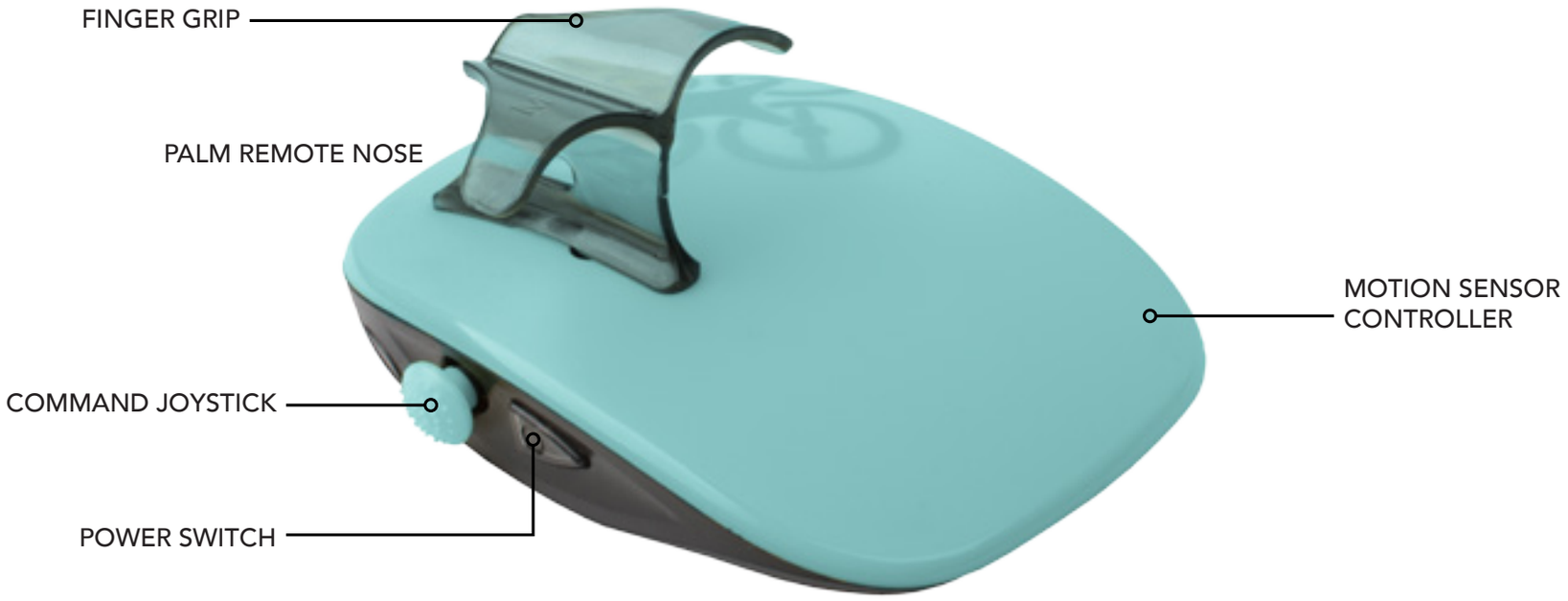
USB CHARGER CABLE

DRONE OVERVIEW

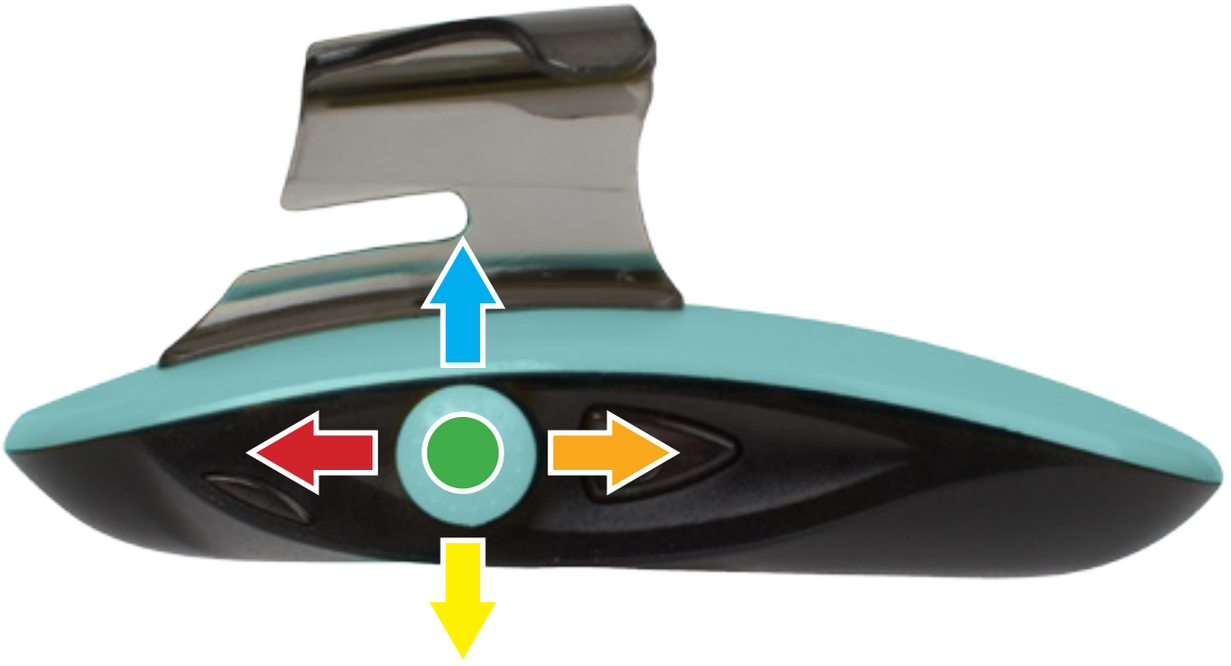


PALM REMOTE OVERVIEW

PALM REMOTE OVERVIEW



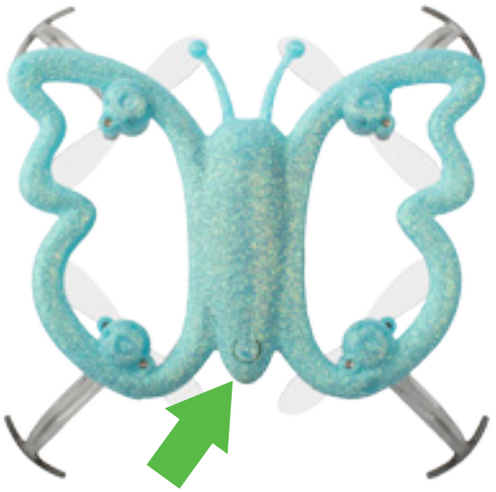
COMMAND JOYSTICK OVERVIEW



- **1-KEY LIFT/LAND + AUTO HOVER** - SEE PAGE 13
- **SPEED** - SEE PAGE 16
- **360° FLIPS + BARREL ROLLS** - SEE PAGE 16
- **ROTATION** - SEE PAGE 17
- **ALTITUDE CONTROL** - SEE PAGE 17

QUICK-START GUIDE

1. Press button on tail to power on drone; wings and eyes will blink.



2. Push the power button on the Palm Remote; the remote light will blink red.



❸ Push the Palm Remote power button again quickly to pair with the drone; blinking red eyes will stay solid, indicating successful pairing.



❹ Press the Master Joystick in to activate 1-Key Lift. The Monarch will fly up to 3 ft. and hover, ready for flight!





NEED HELP?
WATCH OUR VIDEO TO LEARN MORE!

https://force1rc.com/pages/monarch-video

STARTING THE DRONE

1-KEY LIFT/LAND + AUTO HOVER

Press the Master Joystick **IN** and the drone will ascend.
The drone will also land by pressing and holding the Master Joystick **IN**.





MIDAIR LAUNCH

Warning: Make sure the Palm Remote and drone are ON and paired (that the drone's eyes are solid red) for this advanced maneuver.

Launch the drone midair by tossing it gently upward, immediately followed by pressing and holding the Master Joystick IN.





PALM DIRECTIONAL CONTROLS

The Monarch is a motion-controlled drone. This means the drone's flight is controlled with your hand gestures! The Monarch will perform according to coordinated hand and palm remote movements. The diverse motion-control features are described in this section.

HOVER

The drone will auto hover when hand is in flat, neutral position.



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FORWARD

Tilt the Palm Remote nose down to move the drone forward.



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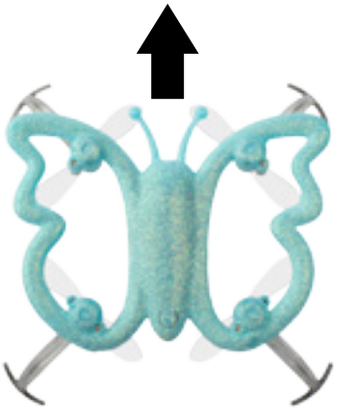


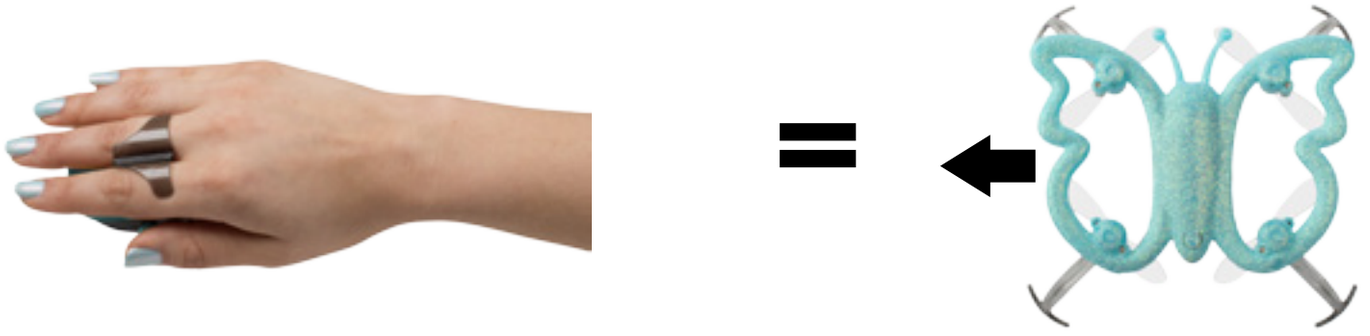
REVERSE

Tilt the Palm Remote nose up to reverse the drone.



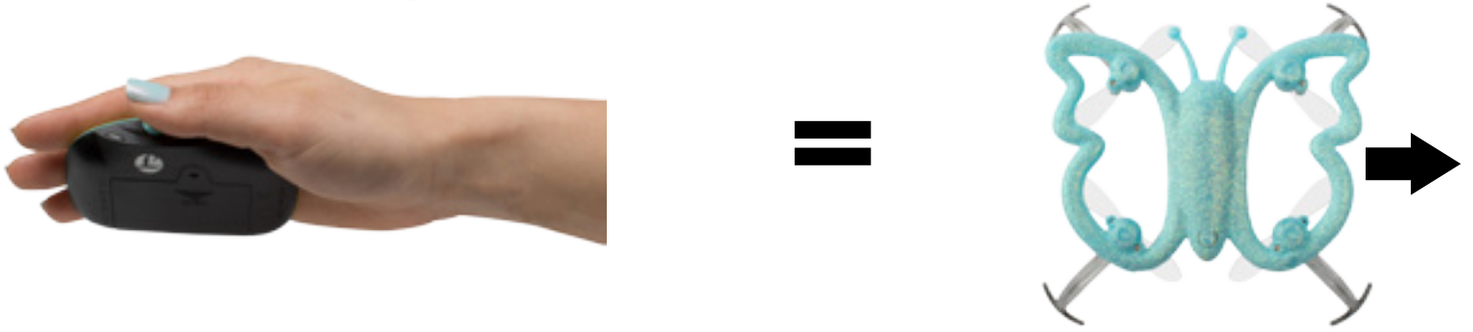
LEFT

Tilt the Palm Remote to the left to track the drone left.



RIGHT

Tilt the Palm Remote to the right to track the drone right.



COMMAND JOYSTICK

SPEED

Shift the Master Joystick forward and release to toggle through low, medium and high speeds. The drone starts in low speed. Each forward joystick movement cycles through each speed.







360° FLIPS + BARREL ROLLS

Shift the Master Joystick up to make the drone perform a flip or roll. While shifting, tilt Palm Remote up or down for 360° flips; tilt left or right for barrel rolls.



ROTATION

Shift the Master Joystick backward and release to rotate the drone in stages. Shift and hold the Master Joystick backward for continuous rotation until joystick release.





ALTITUDE CONTROL

The drone changes altitudes with coordinated palm and joystick movements. Hold the Master Joystick downward and tilt the Palm Remote nose up to raise the drone. Hold the Master Joystick downward and tilt the Palm Remote nose down to lower the drone.





BATTERY REPLACEMENT

Firmly slide the battery backward on the drone until it clicks loose.



Align the new battery with the drone contact points and snap in place.



FORCE1 WANTS TO KEEP IN TOUCH!

We'd like to share in the fun! Post your photos, videos and messages on social media.

Share your story with hashtag:

#FLYMONARCH



facebook.com/force1rc/

@force1rc

TROUBLESHOOTING GUIDE

PROBLEM	SOLUTION
I can't turn the drone on.	Carefully review the preflight operation sequence. When starting the palm remote, be sure to hold the power button down longer to start the drone, with a quick push to pair with the drone. The red light eyes will glow solid red when the drone is paired with the palm remote.
The drone won't charge.	Make sure the charging cable is connected to USB port. There is a socket in the battery. The USB plug should display a red light when charging and no light when fully charged.
The drone keeps crashing.	Make sure you have plenty of flight space. The Monarch is easier to navigate with fewer obstacles.
The drone LED lights flash, but it won't fly.	Make sure the palm remote battery is working. Test the buttons on the remote and the drone to ensure communication is established.
The drone propellers spin, but it won't fly.	Inspect the propellers for damage and clear any debris if necessary. Try powering down the drone and palm remote before starting again.
How tough is the Monarch?	The Monarch drone is quite durable. That said, take care to be gentle when handling the drone. Assuming you are staying clear of any hazardous spaces, objects or liquids, the drone should be ready to relaunch again after a crash.

Email us at support@force1rc.com for questions, comments or to request spare parts.

WARRANTY



LIMITED 90-DAY WARRANTY AND
FREE LIMITED REPLACEMENT PARTS FOR 90 DAYS

Force1rc.com warrants to the original buyer only that its products will be free from defects in material and workmanship for **ninety (90) days** from the date upon which the product is shipped, either directly from Force1rc.com or from an Authorized Reseller's location, to the buyer.

The following conditions must be met to be eligible for warranty coverage:

1. During the warranty period product is used as intended by the manufacturer.
2. The Product has not been disassembled or modified.
3. The labels and serial numbers show no signs of tampering or altering.
4. Buyer has a warranty code obtained by registering their product online prior to making a claim.

EXCEPTIONS: THE LIMITED WARRANTY SHALL NOT APPLY TO:

- Damage caused by normal wear and tear
- Accident, negligence, abuse, misuse, misapplication or willful damage by buyer (or its agents), or acts of nature
- Crash or burning caused by non-manufacturing factors
- Damage caused by unauthorized modification or disassembly not authorized by the instruction manual
- Damage caused by incorrect use or operation
- Damage caused by mismatch or misuse of battery or charger
- Failure of the operator to follow the operating instruction or use outside the product's operating parameters
- Damage caused by operating the product in poor weather (i.e., strong wind, rain, low visibility, etc.)
- Damage caused by operating the product in or around electromagnetic interference (i.e., radio transmitting tower, high-voltage wire, substation, etc.)
- Damage caused by operating the product where there may be interference caused by other wireless devices
- Operating the product with a load capacity in excess of the safe weight listed in the manual
- Operating the product with aged, damaged or unauthenticated third-party components
- Operating the product with a defective battery

PROCEDURE: Any claims for breach of the foregoing limited warranty shall only be valid if buyer makes such claim in writing within ninety (90) days of the date of shipment of the product to which the claim relates. To make a warranty claim, please email warranty@force1rc.com with your full name, address, phone number, order number, drone type, part type and purchase date and product issue.

LIMITED REMEDY: Force1rc.com's sole liability, and buyer's sole remedy, for any breach of the foregoing warranty shall be at Force1rc.com's option, to (i) exchange the product with a new product or a refurbished product that is functionally equivalent to the original product, or (ii) issue a credit or refund for the purchase price of the product. Any replaced products shall be warranted as set forth herein, provided that the period within which buyer may make further claims shall be limited to the remainder of the original period for the applicable product or 90 days, whichever is longer (although the warranty period shall be suspended during any period of replacement).

DISCLAIMER: THE WARRANTY AND REMEDIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, AND FORCE1RC.COM DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT AND ANY WARRANTIES ARISING OUT OF COURSE OF DEALING, COURSE OF PERFORMANCE AND TRADE USAGE. FORCE1RC.COM IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOSS OF USE; LOSS OF REVENUE; LOSS OF ACTUAL OR ANTICIPATED PROFITS (INCLUDING LOSS OF PROFITS ON CONTRACTS); LOSS OF THE USE OF MONEY; LOSS OF ANTICIPATED SAVINGS; LOSS OF BUSINESS; LOSS OF OPPORTUNITY; LOSS OF GOODWILL; LOSS OF REPUTATION; LOSS OF, DAMAGE TO, COMPROMISE OR CORRUPTION OF DATA; OR ANY INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE HOWSOEVER CAUSED INCLUDING THE REPLACEMENT OF EQUIPMENT AND PROPERTY, ANY COSTS OF RECOVERING OR REPRODUCING ANY DATA STORED IN OR USED WITH THE PRODUCT OR ANY FAILURE TO MAINTAIN THE CONFIDENTIALITY OF INFORMATION STORED IN THE PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. In addition, some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

FREE REPLACEMENT PARTS FOR 90 DAYS: Force1.com shall also make available any spare part needed for registered drones free of charge for 90 days from the date of purchase, with the exception of batteries, motors, circuit boards, cameras and transmitters. Shipping charges may apply. Limit one part type request per registered drone (e.g., registrants are entitled to one extra set of propellers per registered drone). To request spare parts, please email warranty@force1rc.com *with your warranty code, drone name/model, current shipping address, purchase date and part type.*

GET YOUR WARRANTY CODE AT force1rc.com/pages/warranty-signup
HAVE YOUR ORDER NUMBER AND/OR DRONE UPC READY

FCC INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide residential protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not Installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception. Which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on the circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

FCC WARNING

The equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. Modifications not authorized by the manufacturer may void user's authority to operate this device.

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.