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› [Force1](#) /

› [Force1 F100 RC Drone Instruction Manual](#)

Force1 F100

Force1 F100 RC Drone Instruction Manual

Model: F100

Brand: Force1

1. INTRODUCTION

The Force1 F100 RC Drone is a high-performance quadcopter designed for both beginners and experienced pilots. Featuring powerful brushless motors, it offers stable flight, impressive speed, and the ability to perform exciting aerial maneuvers. This drone is compatible with GoPro Hero 3 or 4 cameras (not included), allowing you to capture stunning aerial footage. This manual provides essential information for safe operation, setup, and maintenance of your F100 drone.

2. SAFETY GUIDELINES

Always prioritize safety when operating your drone. Failure to follow these guidelines may result in injury, damage to property, or legal consequences.

- **Pre-Flight Check:** Before each flight, inspect the drone for any damage, ensure propellers are securely attached, and batteries are fully charged.
- **Flight Environment:** Fly in open areas, away from people, animals, buildings, and power lines. Avoid flying near airports or restricted airspace.
- **Weather Conditions:** Do not fly in strong winds, rain, snow, or other adverse weather conditions.
- **Line of Sight:** Always maintain visual line of sight with your drone during flight.
- **Battery Safety:**
 - Use only the provided charger and batteries.
 - Do not overcharge or short-circuit batteries.
 - Store batteries in a cool, dry place away from flammable materials.
 - If a battery appears damaged or swells, discontinue use immediately and dispose of it properly.
- **Propeller Safety:** Keep fingers, hair, and loose clothing away from rotating propellers. Install propeller guards for added safety, especially for beginners.
- **Respect Privacy:** Be mindful of privacy laws and avoid flying over private property without permission.

3. PACKAGE CONTENTS

Your Force1 F100 RC Drone package includes the following items:

- Force1 F100 RC Drone
- 2.4 GHz Remote Transmitter
- Rechargeable Drone Batteries (2)
- GoPro Mount (for Hero 3/4, camera not included)
- Propeller Safety Guards (4)
- Elevated Landing Gear (4)
- Spare Propellers (4)
- Balance Charger
- Screwdriver and Screws
- Instruction Manual



Image: Force1 F100 RC Drone, remote controller, and two batteries, along with propeller guards and other accessories.

4. COMPONENT IDENTIFICATION

Familiarize yourself with the main components of your F100 drone and remote controller.

4.1. Drone Components

- **Drone Body:** The main frame housing the electronics.
- **Brushless Motors:** Provide efficient and powerful propulsion.
- **Propellers:** Four blades attached to the motors for lift and movement.
- **Landing Gear:** Provides stability during takeoff and landing.
- **Battery Compartment:** Located on the underside of the drone.
- **GoPro Mount:** Attachment point for compatible action cameras.



Image: Force1 F100 Drone showcasing its GoPro compatible camera mount (camera not included).

BRUSHLESS MOTORS

SMOOTH, SPEEDY, STEALTHY



Image: Close-up view of the powerful brushless motors of the Force1 F100 Drone.

4.2. Remote Controller

- **Left Joystick:** Controls throttle (up/down) and yaw (rotate left/right).
- **Right Joystick:** Controls pitch (forward/backward) and roll (left/right).
- **Trim Buttons:** Adjust drone stability in flight.
- **Speed Mode Button:** Toggles between two distinct speed modes (low for beginner, high for advanced).
- **360° Flip Button:** Initiates aerial acrobatics.
- **Power Switch:** Turns the controller on/off.



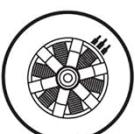
GoPro Hero 3/4 Compatible



30-Min. Total Flight Time



2 Speed Modes



Brushless Motors



2.4 GHz Transmitter

Image: Force1 F100 Drone remote controller with icons indicating features like GoPro compatibility, 30-min flight time, 2 speed modes, and brushless motors.

5. SETUP GUIDE

5.1. Charging the Batteries

Before first use, fully charge both drone batteries. Each battery provides up to 15 minutes of flight time, for a potential total of 30 minutes with both batteries. Charging time is approximately 5+ hours per battery using the provided balance charger.

1. Connect the balance charger to a power outlet.
2. Connect the drone battery to the balance charger.
3. The indicator light on the charger will show charging status (refer to charger manual for specific light indications).
4. Once fully charged, disconnect the battery from the charger.

5.2. Installing Components

1. **Install Landing Gear:** Attach the elevated landing gear to the underside of the drone.

- 2. Install Propeller Guards:** Securely attach the propeller safety guards to protect the propellers during flight.
- 3. Install Propellers:** Ensure propellers are correctly oriented (A and B markings) and securely fastened to the motors.
- 4. Install Drone Battery:** Open the battery compartment on the drone and insert a fully charged battery. Close the compartment securely.
- 5. Install Remote Controller Batteries:** Insert 4 AA batteries (not included) into the remote controller's battery compartment.

5.3. Pairing Drone and Remote Controller

1. Place the drone on a flat, level surface.
2. Turn on the drone's power switch. The drone's indicator lights will flash.
3. Turn on the remote controller's power switch.
4. Push the left joystick (throttle) all the way up, then all the way down.
5. The drone's indicator lights will stop flashing and remain solid, indicating successful pairing.

6. OPERATING YOUR F100 DRONE

6.1. Basic Flight Controls

- **Takeoff:** Gently push the left joystick (throttle) up to lift off.
- **Landing:** Slowly pull the left joystick (throttle) down to land.
- **Altitude:** Control with the left joystick (throttle) up/down.
- **Direction:** Control with the right joystick (pitch/roll) for forward, backward, left, and right movement.
- **Rotation (Yaw):** Control with the left joystick (yaw) left/right to rotate the drone.

6.2. Speed Modes

The F100 drone features two speed modes for varied flight experiences:

- **Low Speed:** Ideal for beginners and indoor flight, offering more stable and controlled movement.
- **High Speed:** For experienced pilots, providing increased agility and faster flight.

Press the Speed Mode button on the remote controller to switch between modes.

360° STUNT FLIPS

PULL OFF TRICKS WITH 1 BUTTON



Image: Force1 F100 Drone demonstrating its two speed modes, allowing flight in high or low speed.

6.3. 360° Stunt Flips

Perform impressive 360-degree flips with a single button press:

1. Ensure the drone is at a sufficient altitude (at least 3 meters) to perform the flip safely.
2. Press the 360° Flip button on the remote controller.
3. Immediately push the right joystick in the desired direction (forward, backward, left, or right) to execute the flip.



2 SPEED MODES FLY IN HIGH OR LOW SPEED

Image: Force1 F100 Drone performing 360-degree stunt flips in the air.

6.4. Official Product Videos

Watch these official videos from Force1 for visual guidance on operating your F100 drone:

Brushless Quadcopter Drone F100 Overview

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Video: A brief overview of the Force1 F100 Brushless Quadcopter Drone, highlighting its features and design.

F100 Brushless Drone Flight Demonstration

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Video: A demonstration of the Force1 F100 Brushless Drone in flight, showcasing its stability and maneuverability.

Force1 F100 RC Drone with GoPro Mount Features

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Video: Highlights of the Force1 F100 RC Drone, including its GoPro mount compatibility and flight capabilities.

The Force1 F100 Drone: Now THIS is how you give someone flowers! (Promotional, but shows flight)

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Video: A creative demonstration of the Force1 F100 Drone's flight capabilities, showing it delivering flowers.

7. MAINTENANCE

- **Cleaning:** After each flight, gently wipe down the drone with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or liquids.
- **Propeller Inspection:** Regularly check propellers for any signs of damage (cracks, bends). Replace damaged propellers immediately using the provided spares.
- **Storage:** Store the drone and its components in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries from the drone and controller if storing for extended periods.
- **Battery Care:** Do not leave batteries fully charged or fully discharged for long periods. For long-term storage, charge batteries to approximately 50%.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to controller.	Not paired; low battery (drone or controller).	Re-pair drone and controller; charge/replace batteries.
Short flight time.	Battery not fully charged; old battery.	Ensure battery is fully charged; consider replacing old batteries.
Drone unstable during flight.	Propellers damaged or incorrectly installed; trim settings incorrect.	Check and replace propellers; adjust trim settings on the controller.
Drone drifts in one direction.	Needs calibration; uneven surface for takeoff.	Perform drone calibration (refer to specific steps in the full manual); take off from a flat surface.

9. SPECIFICATIONS

Feature	Detail
Brand	Force1
Model Name	F100 (gear)
Motors	Brushless
Flight Time	Up to 15 minutes per battery (30 minutes total with 2 batteries)

Feature	Detail
Control Range	Up to 1640 feet
Camera Compatibility	GoPro Hero 3/4 (camera not included)
Speed Modes	2 (Low/High)
Dimensions	15.59 x 13.78 x 6.46 inches
Item Weight	3.09 Pounds
Skill Level	Beginner

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Force1 customer service directly.

Keep your purchase receipt for warranty claims.

Visit the official Force1 store for more information: [Force1 Store](#)

Related Documents - F100

 <p>F100 INSTRUCTION MANUAL</p> <p>FOR MORE INFORMATION</p>	<p>Force1 F100 Brushless Drone Instruction Manual</p> <p>Comprehensive instruction manual for the Force1 F100 Brushless Drone, covering setup, operation, safety precautions, battery care, calibration, flight controls, and troubleshooting.</p>
 <p>PEREGRINE WiFi 720P 120° Wide-angle HD Camera</p> <p>Instruction Manual U28W</p> <p>FOR MORE INFORMATION</p>	<p>FORCE1 U28W Peregrine Drone: User Manual & Flight Guide</p> <p>Comprehensive user manual for the FORCE1 U28W Peregrine drone, covering setup, flight controls, app usage, safety precautions, troubleshooting, and specifications. Learn to fly your drone safely and effectively.</p>
 <p>BLUE JAY WiFi FPV DRONE</p> <p>INSTRUCTION MANUAL</p> <p>FOR MORE INFORMATION</p>	<p>Force1 Blue Jay U45W WiFi FPV Drone Instruction Manual</p> <p>Comprehensive instruction manual for the Force1 Blue Jay U45W WiFi FPV Drone, covering setup, flight controls, safety precautions, battery care, app usage, and troubleshooting.</p>

 <p>FORCE1 SCOOT 2 HANDS-FREE DRONE USER MANUAL FLY ME NOW, I'LL SHOW YOU HOW! FOR MORE INFORMATION</p>	<p><u>Force1 Scoot 2 Hands-Free Drone User Manual - Operation, Safety, and Warranty</u> Comprehensive user manual for the Force1 Scoot 2 Hands-Free Drone. Includes setup, operation, flight controls, safety precautions, charging instructions, troubleshooting, and warranty information.</p>
 <p>FORCE1 RED HERON HD+ Wi-Fi Video & 720P HD Camera USER MANUAL U49C FOR MORE INFORMATION</p>	<p><u>FORCE1 U49C Red Heron HD+ Drone User Manual</u> Comprehensive user manual for the FORCE1 U49C Red Heron HD+ drone, providing detailed instructions on setup, operation, flight controls, safety precautions, troubleshooting, and spare parts.</p>
 <p>FORCE1 DRAGONFLY Wi-Fi 1080p Video & 720P HD WiFi Camera USER MANUAL FOR MORE INFORMATION</p>	<p><u>Force1 U34W Dragonfly WiFi FPV Drone User Manual</u> Comprehensive user manual for the Force1 U34W Dragonfly WiFi FPV drone, covering setup, flight controls, app usage, troubleshooting, safety precautions, and warranty information.</p>