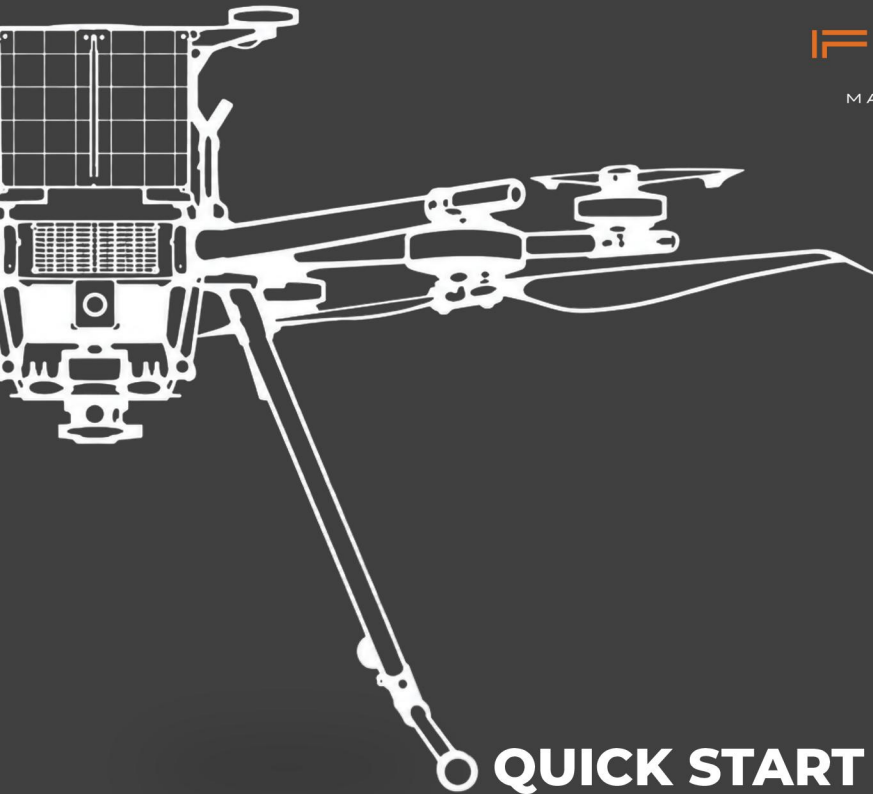




IF1200

MADE IN USA

○ QUICK START GUIDE

INSPIRED FLIGHT

IF1200

QUICK START GUIDE

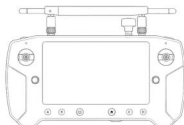
Follow the steps in this guide to prepare your aircraft, complete preflight checks, and get airborne safely.

This guide covers the IF1200 aircraft equipped with a GS-ONE or Herelink** controller.



GS-ONE*

OR



Herelink**

NEED SUPPORT?

We're here to assist.

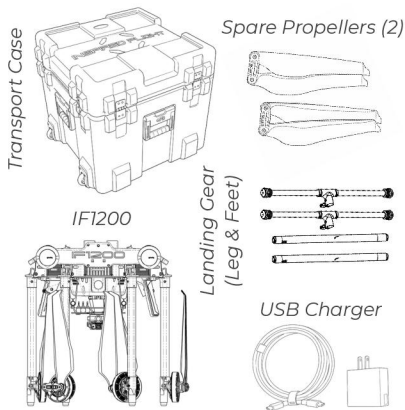
 inspiredflight.com/support-services

 (805) 776-3640

*The Battery Kit and GS-ONE controller (if selected) are packaged in separate cases

**Included in the Aircraft Transport case if selected.

AIRCRAFT TRANSPORT CASE



BATTERY KIT*

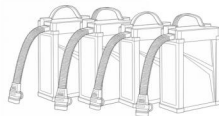
TA3200 Charger



AC Power Cable



IF1200 Batteries (4)

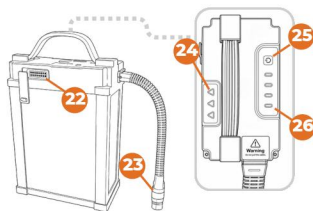
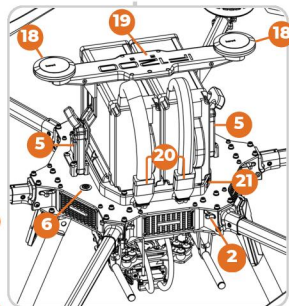
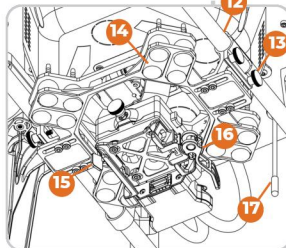
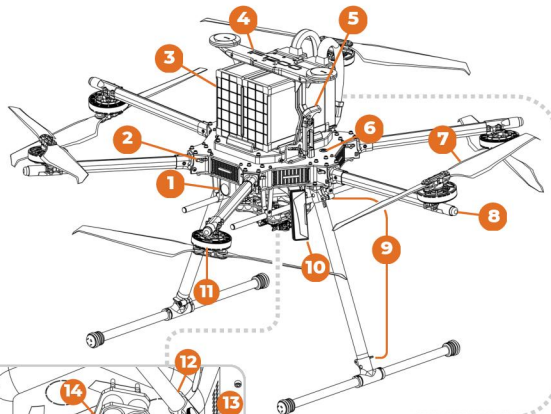


Balance Cable (4)

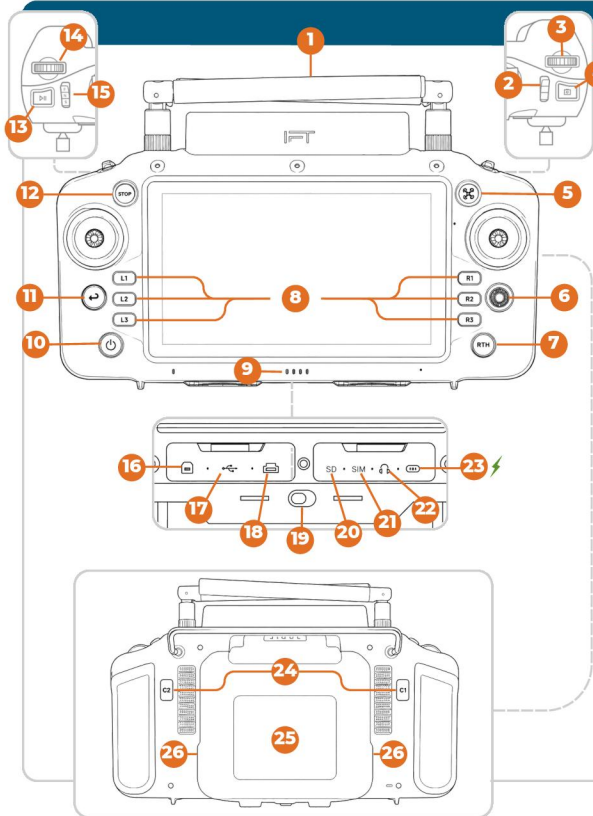


Aircraft Overview

1. FPV Camera
2. Arm Locking Mechanism
3. IF1200 Batteries
4. Handle / Battery Clamp
5. Battery Latch
6. Power Button
7. Propellers
8. Navigational LEDs
9. Landing Gear Mounting Clamps
10. Radio Antenna
11. Motors
12. Payload rail system (12mm)
13. Damping Plate Adjustment
14. Damping Plate
15. Dovetail Payload Release Button
16. Dovetail Payload Locking Lever
17. Remote ID Antenna
18. GPS
19. Top Accessory Mount
20. Battery Terminal Connectors
21. USB-C Port (Data)
22. Battery Balance Cable Port
23. Battery Terminal Connector
24. Battery Error Indicators
25. Battery Status Check Button
26. Battery Charge Level Indicator



GS-ONE

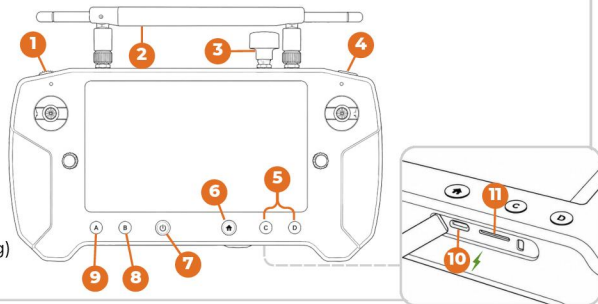


1. Radio Antennas
2. Programmable 3-Way Rocker Switch*
3. Gimbal Wheel (Pan)
4. Photo Capture
5. Aircraft Authority*
6. 5D Joystick (Android)
7. Return to Home
8. Programmable Buttons
9. LED Power Indicator
10. Power Button
11. Back Button (Android)
12. Flight Stop*
13. Video Capture
14. Gimbal Wheel (Tilt)
15. Flight Mode Switch
(Loiter, Position Hold)
16. Ethernet Port
17. USB-A Port
18. HDMI Output
19. Battery Panel Lock
20. MicroSD Card Slot
21. Cellular LTE SIM Card Slot
22. Headphone Jack
23. USB-C Port (Data & Charging)
24. Programmable Buttons
25. Battery Access Panel
26. Battery Release Locks

* Button feature will be available in future update

Herelink

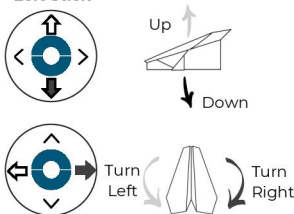
1. Gimbal Wheel (Pan/Tilt)
2. Radio Antennas
3. GPS Antenna
4. Gimbal Pan/Tilt Toggle
5. Programmable Buttons
6. Return to Home
7. Power Button
8. Flight Mode (Position Hold)
9. Micro USB Port (Data & Charging)
10. MicroSD Card Slot
11. MicroSD Card Slot



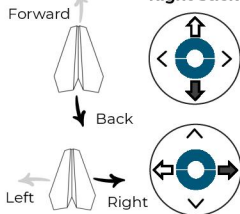
Controls

IFT Platforms are set to the standard RC Mode 2.

Left Stick



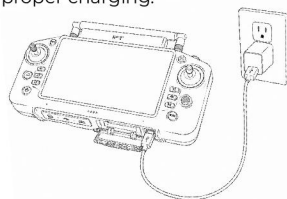
Right Stick



⚠ WARNING: Always verify button assignments in the IGC app before flight. Programmable buttons and user layouts may vary.

Charging Controllers

Use the provided USB cable and wall adapter to ensure safe, proper charging.



⚠ After 15 days of inactivity, connect the GS-ONE to external power to wake it.

Inspired Suite Setup

Register your aircraft in Inspired Suite, IFT's platform for pilot authorization, maintenance tracking, and flight operations management.

- 1 Owners / Fleet Managers:** Scan the QR code to create an Elevate account for your organization and register your aircraft.

Benefits:

- Authorize & manage pilots
- Secure your aircraft
- Track maintenance

- 2 Add Pilot accounts for your operators in Elevate.**

- 3 Download the PilotGo mobile app available on iOS & Android**

Benefits:

- View your authorized aircraft
- Complete Preflight Checklist
- Submit post-flight notes

- 4 Operators, use your new account to log in to IGC on the controller to access saved user profiles and more.**

CREATE YOUR PROFILE

ELEVATE



Scan here,
or visit
app.inspired.flights/register

ACCESS MOBILE APP

PILOTGO



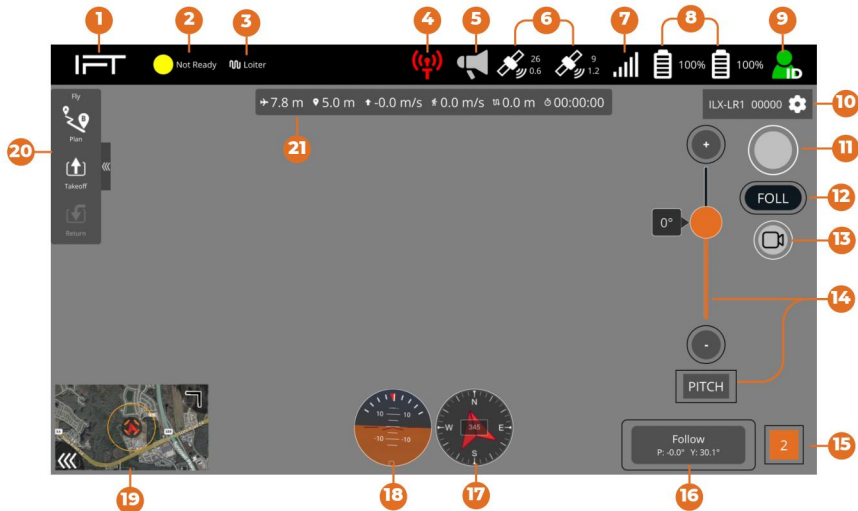
LOG INTO IGC

IGC

Scan here, or visit
inspiredflight.com/inspired-suite
to learn more.



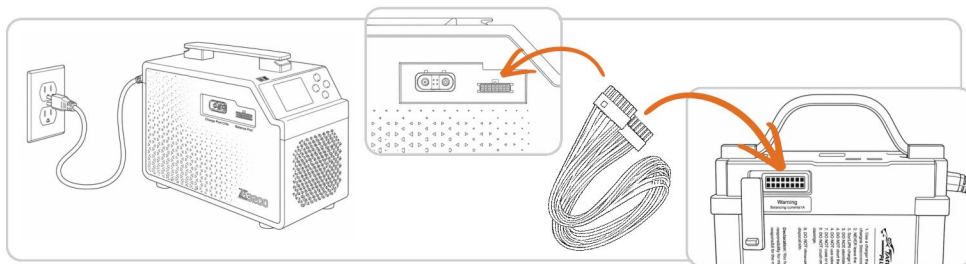
IGC Overview



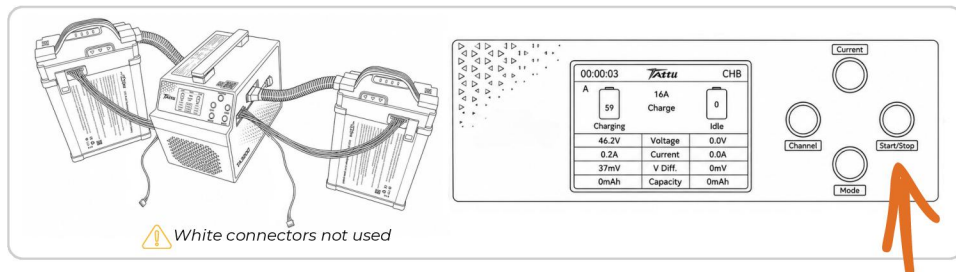
- | | | |
|------------------------------------|------------------------------|-------------------------|
| 1. IGC Settings Menu | 8. Battery Indicators | 15. Video Stream Switch |
| 2. Aircraft Ready Status | 9. Remote ID Status | 16. Gimbal Controls |
| 3. Active Flight Mode | 10. Payload Settings Menu | 17. Compass |
| 4. NTRIP Login (Internet Required) | 11. Photo Capture Button | 18. Attitude Gauge |
| 5. Notifications | 12. Gimbal Mode | 19. Map |
| 6. GPS Satellites & HDOP | 13. Video Record Button | 20. Auto Actions Menu |
| 7. Radio Signal Strength | 14. Camera & Gimbal Controls | 21. Telemetry Info |

IF1200 Battery Charging

- 1 Connect the AC power cable to the battery charger.
The TA3200 can charge two batteries simultaneously.

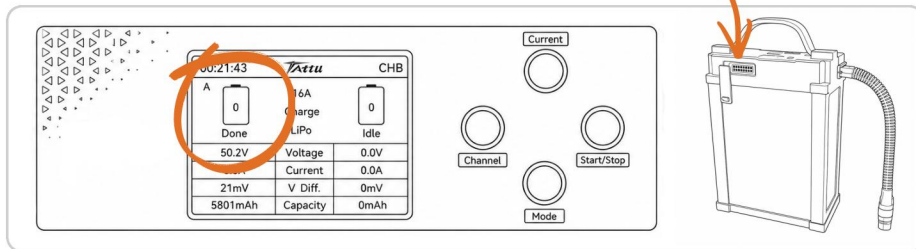


- 2 Plug the balance cables into the charger and then into the battery.
Then connect the yellow connector of the battery into the the charger.



- 3 Press and hold the start/stop button for 2s to begin charging.
To stop charging hold the start/stop button for 2s.

- 4** Charging is complete when the charger says done. You can now disconnect the battery from the charger. Then cover the balance port.



Battery Error Status Indicator

LED Indicator		State
LED's Off		Normal operation
Solid Orange		Battery low, recharge before flight
Blinking Red		Over-temperature warning
Solid Red		Cells Unbalanced
Solid White		Cells Unbalanced
Blinking White		Over-temperature warning
Solid Red & White		Battery Error

Charge Level

0000	95 to 100%
0000	75 to 94%
00	50 to 62%
0	25 to 37%
0	13 to 24%
	< 12%

White LED on

Blinking LED

Battery Support

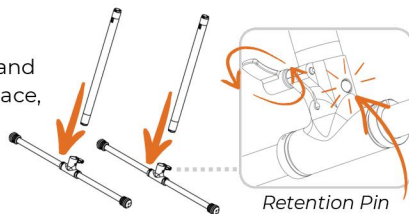
Refer to the IFT Knowledge Base to learn best practices for IF1200 Battery Charging.



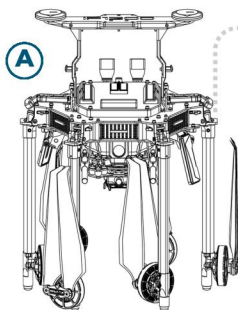
WARNING: Disconnecting the battery during charging may damage the battery. Stop charging first by holding the Start/Stop button for 2s.

Aircraft Setup

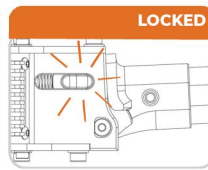
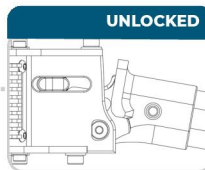
- 1 Remove the landing gear pieces from the case and assemble. Ensure the retention pins click into place, then tighten the landing gear clamps.



- 2 Lift the aircraft out of the case using the top handle (A). Raise the side arms until they click into place (B).

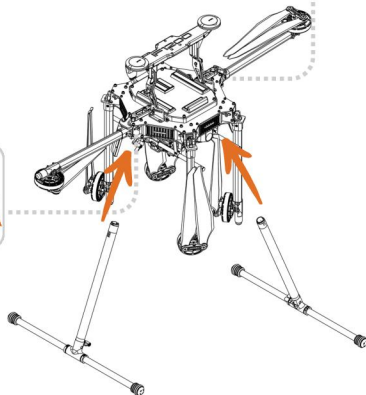


(B)



- 3 Insert each landing gear until the retention pin clicks into place, then tighten the landing gear clamps (C).

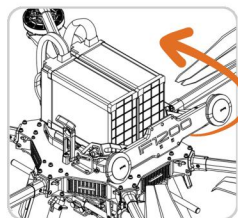
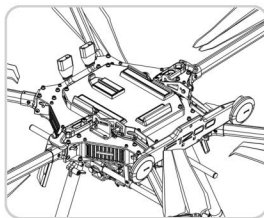
(C)



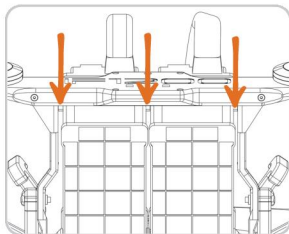
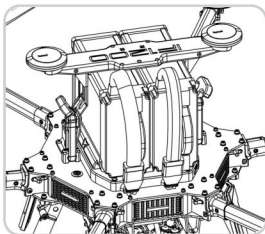
⚠ WARNING: Do not overtighten the landing gear clamp.

- 4 Raise the remaining arms until they click into place. Remove the propeller sleeves.

⚠ WARNING: When raising/lowering arms, avoid any contact with the airframe. Be mindful of props to prevent damage.

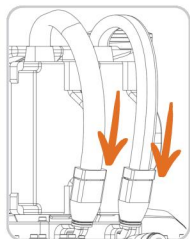
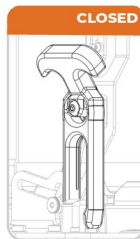
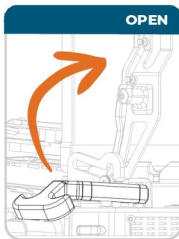


- 5 Move the battery handle to the open position. Place both batteries with the terminals facing each other.



- 6 Lift the handle over the batteries until it sits flush across the batteries.

⚠ WARNING: Ensure the top handle sits flush and the spacers are aligned.

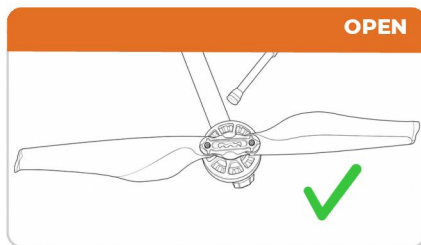


- 7 Secure both battery latches. Connect battery connectors to the aircraft, matching the yellow connectors.

Aircraft Setup Cont'd

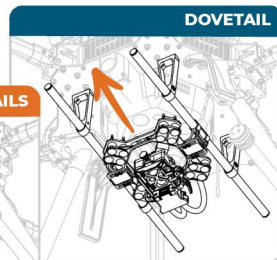
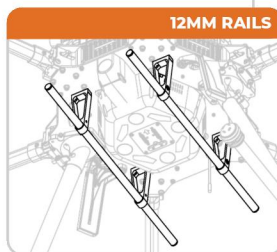
- Spread the propellers open and align them so the central hub and propellers are in a line.

⚠ WARNING: Starting the motors with the propellers in the closed position can cause unnecessary strain and potential damage to the props.



Payload Setup (12mm Rails)

- The IF1200 offers two ways to mount payloads. The smart dovetail can support payloads with the dovetail connector up to 3kg (6.6 lbs). For larger payloads use the 12mm rail system.
- The dovetail can be moved to the forward position to allow for a second payload to be installed on the 12mm rails.
- For larger payloads, the dovetail can be removed.



⚠ WARNING: Always check weight and balance when flying dual payloads.

Dovetail Removal (optional)

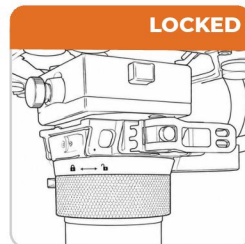
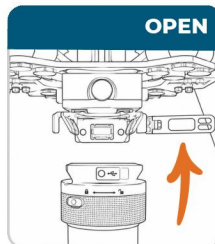
- 1 To remove the dovetail, visit our knowledge base by scanning the QR code for a step-by-step guide.



Scan to visit our
Knowledge Base

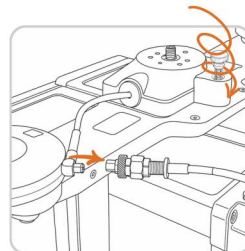
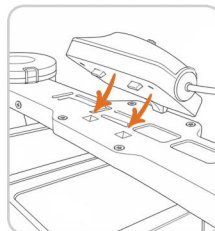
Dovetail Payload Setup

- 1 Ensure the red locking lever is in the open position. Slide the payload onto the mount until it clicks into place, then close the red locking lever to secure the payload.



Optional Top Mount (GNSS/DLS)

- 2 Align the mounting tabs, insert at a slight angle, slide forward, and tighten the thumbscrew. For GNSS installations, connect the coaxial cable to the extension cable. Secure loose cabling to the airframe using zipties to prevent prop strikes.



Preflight Checklist

This checklist is a recommended preflight procedure for IF1200 pilots.

1 AIRCRAFT INSPECTION

- ☐ Landing gear is firmly attached with the retention pins engaged and the mounting clamps securely tightened.
- ☐ Arms are fully extended and in the locked position.
- ☐ Payload is securely attached, locked in place, and cables are secured, if applicable.
- ☐ Propellers can rotate freely and are extended and aligned with the central hub.
- ☐ The aircraft launch area is on level ground, and the surrounding areas are clear of nearby hazards.

2 BATTERY & POWER

- ☐ Both batteries are at the same charge level.
- ☐ Batteries are firmly attached to the aircraft, with the handle flush to the batteries and both latches in the locked position and the Yellow connectors are fully connected.
- ☐ Controller is powered on and has more than 50% battery remaining.
- ☐ Power on the aircraft by pressing and holding the power button for 3-5 seconds.



**Scan for Aircraft
Setup and
Preflight Video**



3

SYSTEMS CHECK

- ☐ Controller antennas are in the proper position, and joysticks are firmly attached.
- ☐ Open Inspired Ground Control (IGC) and allow parameters to load.
- ☐ Communication link with controller is established, and telemetry data is being reported.
- ☐ GPS connection is healthy and HDOP is below 1.0
- ☐ Confirm altitude and compass orientation telemetry match aircraft.
- ☐ Video feed is clear, and payload is responding to input.
- ☐ RTH and failsafe values have been configured for flight.

4

READY FOR LAUNCH

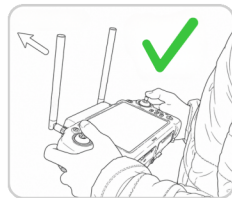
- ☐ Aircraft is in a Ready State, IGC reporting "Ready to Fly".
- ☐ Launch area is clear of any hazards and personnel.
- ☐ All 6 motors spool up (upon arming and prior to throttle up).

Takeoff Procedure

Perform the following steps to take off and establish a stable hover.

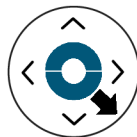
1 ANTENNA CONNECTION & ORIENTATION

Ensure the antennas are tightened. Raise the antennas so they are parallel to each other and point toward the aircraft.



2 ARM THE AIRCRAFT

Arm the aircraft by bringing the left joystick down and towards the right. Release stick to center once motors start to idle.

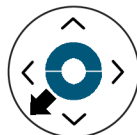


Left Joystick

*Draw an "L":
Down, and
then right.*

3 DISARM THE AIRCRAFT (PRIOR TO TAKEOFF)

If you need to disarm the aircraft after arming the motors, move the left joystick down and to the left.



Left Joystick

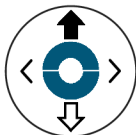
*Draw a
backwards
"L": Down,
and then left.*

4 SELECT TAKEOFF METHOD

A Manual Takeoff

Take off by moving the left joystick to the up position. The aircraft will take off vertically. Release stick at desired altitude and aircraft will hover.

Left Joystick



B Auto Takeoff

Using the "Actions" menu on your controller, initiate Auto Takeoff. The aircraft will take off autonomously in Guided flight mode and ascend to the desired altitude. Then select Loiter or Position Hold to return to manual control.

Landing Procedures

Choose the appropriate recovery method below based on your mission and environment.

MANUAL LANDING *(Loiter or Position Hold Flight Mode)*

- 1 Return aircraft to landing area. Ensure landing zone is clear of hazards and personnel.
- 2 Slowly lower the left joystick down until the aircraft has landed.
- 3 Once the aircraft touches down move the left joystick to the full down position until the motors disarm.

AUTOMATED LANDING MODES *Includes Auto Land & Return to Home (RTH)*

- 1 Select an automated landing mode on your controller:
 - Auto Land: Lands at the aircraft's current location.
 - RTH: Returns to the Home Point and lands automatically.
- 2 During automated landing, you remain in control of the aircraft and may make controller adjustments as needed. To cancel automated landing and regain full control, switch flight mode to loiter or position hold.
- 3 The aircraft will disarm the motors upon landing.

⚠ Before using RTH, verify that the RTH altitude is set above all nearby obstacles.

Safe Operating Practices

Follow these recommended key practices before every mission.

1 REVIEW FULL DOCUMENTATION

Scan the QR code below for complete operating instructions.

2 COMPLETE PREFLIGHT CHECKLIST

3 VERIFY OPERATING ENVIRONMENT

Check weather, obstacles, personnel, and airspace before takeoff.

4 CONFIRM HOME POINT & RTL SETTINGS

Verify Home Point location and RTH altitude before takeoff.

5 OPERATE RESPONSIBLY

Follow all applicable regulations and maintain situational awareness at all times.



**Scan for Full
IF1200 Manual &
Procedures**



Need Assistance?

We're here to help you succeed.



Documentation

Find answers in the full IF1200 manual and Knowledge Base.



Technical Support

Set up assistance, troubleshooting, and repair services.



Training & Rentals

Instructor-led training, video resources, and aircraft/payload rentals.

SUPPORT & SERVICES RESOURCES



Scan to Access:

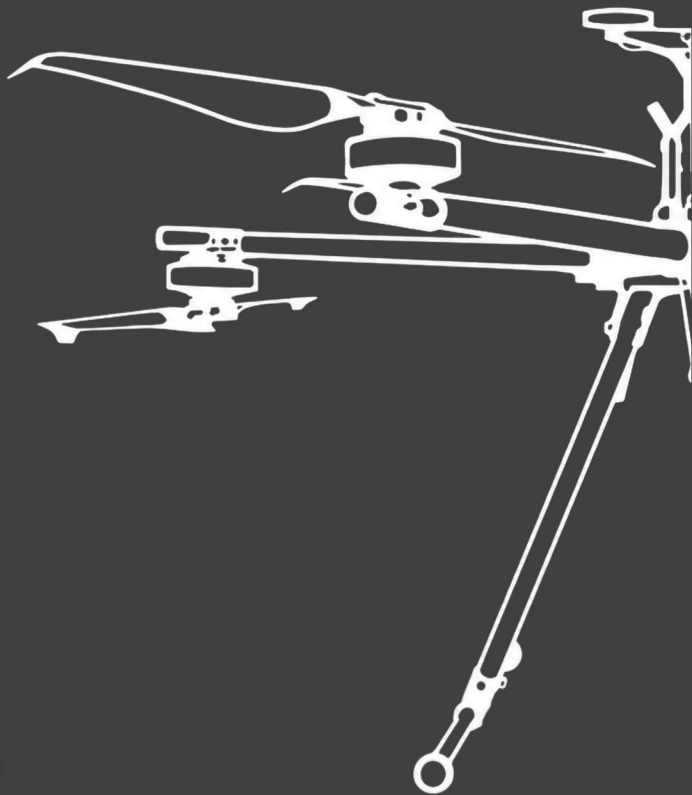
- Support Request Form
- Rentals
- Training
- Video Resources
- Inspired Care Plans
- Knowledge Base & More

Customer Success Team

inspiredflight.com/support-services

(805) 776-3640

Mon-Fri | 7AM - 5PM PST



INSPIREDFLIGHT.COM