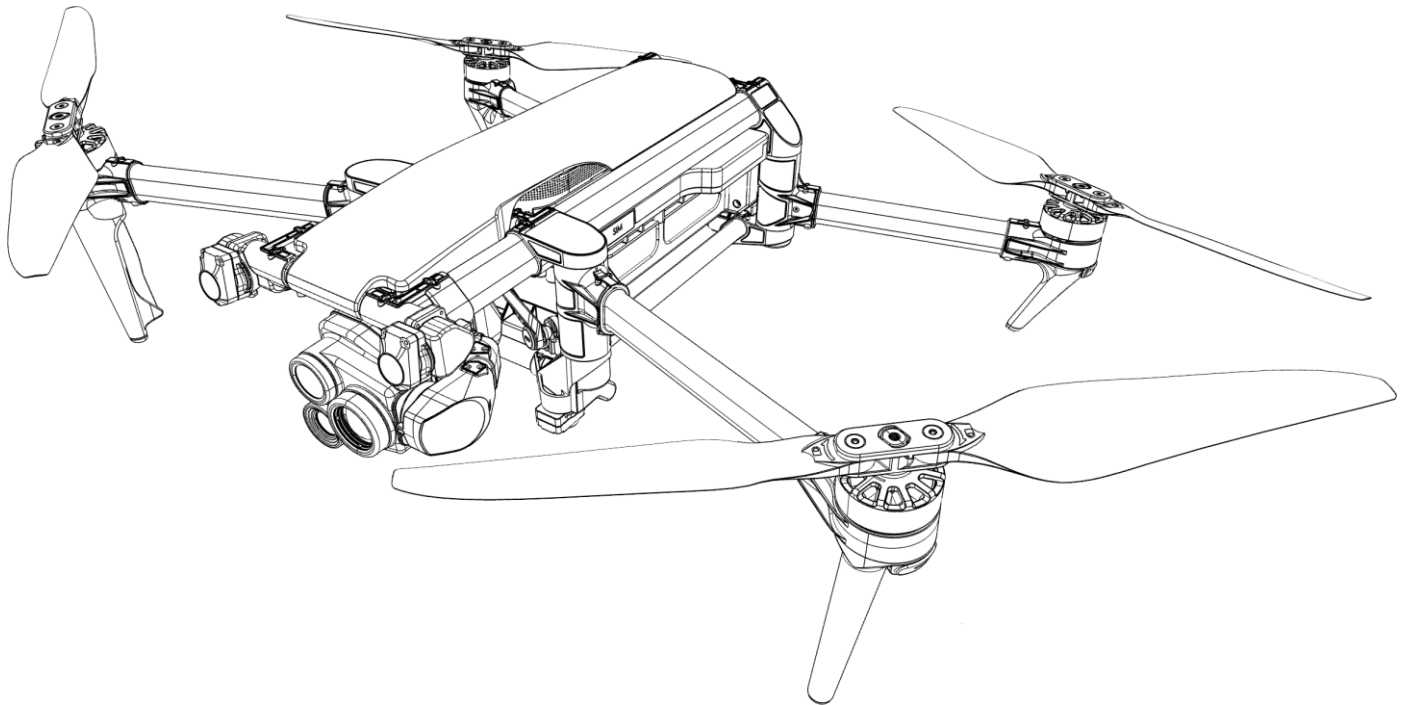# ANAFI UKR

User Guide

Version: 8.2.0-beta2
Updated: January 24th, 2025

Parrot

1. Documentation changelog

This section details the major changes to Parrot's technical documentation since version 8.0.2 released on August 30th, 2024.

What changed	Where
Dedicated *Documentation changelog* chapter added.	Page 2
Ecosystem versions subchapter added.	Page 3
Technical specifications chapter updated.	Page 8
Pre-flight checklist chapter updated.	Page 11
Getting started chapter updated.	Page 12
Dedicated *ANAFI UKR aircraft* chapter added.	Page 14
Dedicated *Smart LiPo Battery* chapter added.	Page 18
Dedicated *External payload* subchapter added.	Page 21
Dedicated *Auto Boot USB key* chapter added.	Page 23
Dedicated *FlightCharts* subchapter added.	Page 28
Dedicated *Webserver* subchapter added.	Page 33
Disclaimer chapter moved to appendix.	Page 41
Various images updated.	Throughout document

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ANAFI UKR

1.1. Ecosystem versions

This section details the software versions for the full ecosystem available at the time of writing this user guide:

Ecosystem element	Software version
Drone	8.1.2
Simulator	2.20.0
FlightCharts	0.3.1

2. Using this guide

Parrot recommends that you read the following user guide thoroughly before your first flight. This user guide completes the ANAFI UKR documentation, which also includes the:

- Skycontroller UKR and FreeFlight 8 user guide.
- ANAFI UKR Flight Safety Guide – available upon request.
- ANAFI UKR release notes – available upon request.

Read the Flight Safety Guide to have complementary information about safety, operational limitations for use and maintenance of the ecosystem. Always verify that you are using the latest version of the user guide.

This guide is specific to a single drone configuration, consisting of:

- The Parrot ANAFI UKR drone.
- The Parrot Skycontroller UKR.
- The FreeFlight 8 flight application.

NOTE: ANAFI UKR requires the FreeFlight 8 app to fly, and to ensure that the drone and controller are fully up to date with the latest features.

- **Read entirely at least once**. It answers most questions that most users may encounter when they use ANAFI UKR.
- **Keep it for reference and stay alert for updates.** Updates are mandatory and must be systematically performed prior to any flight to ensure maximum performance and safety.
- **The Table of contents, starting on page** Error! Bookmark not defined.**, is active.** Click a title to access the corresponding section.
- **This user guide has no index.** the keyboard shortcut **Ctrl + F** (Windows) or **Command + F** (Mac) to browse all occurrences of any keyword (*flight*, *settings*, *obstacle avoidance, gimbal*, *photo*, *ISO*, etc)

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A N A F I U K R

3. Table of contents

4.   Foreword

ANAFI UKR was designed and optimized to fly as is. Parrot strongly discourages the use of any third-party add-on or accessory which could be mounted on, or attached to ANAFI UKR (feet extensions, buoys, hulls, etc.). Depending on accessory characteristics (size, mass and current consumption), impacts on system performances can be expected, including, but not limited to: aerodynamics, autonomy, flight stability, radio link performance, navigation sensor reliability.

IMPORTANT: The maximum take-off mass (MTOM) of ANAFI UKR is 1,450 g (3.20 lb). If you equip your drone with an accessory, it can reduce its autonomy.

CAUTION: Do not alter the center of gravity of the drone.

4.1.   ANAFI UKR ecosystem

In the following pages, the word *ecosystem* refers to the drone (ANAFI UKR), its controller (Skycontroller UKR) and the FreeFlight 8 flying app. The word *device* refers to the tablet on which FreeFlight 8 is installed.

4.2.   Overhead power lines and pylons

Flying close to power installations may impact the behavior of the drone. Higher voltage and/or current creates higher electromagnetic interference, which can affect the drones' communications.

CAUTION: Do not fly within 3 m (9 ft) of a power installation.

4.3.   Radiation Fields

The proximity of high intensity radiation field may impact the behavior of the drone, for example, airport radar.

CAUTION: Do not fly within:
- 500 m of a high intensity radar beam.
- 50 m of a radar installation.

4.4.   GPS

ANAFI UKR does not require a satellite synchronization, or fix, to take off (for example, GPS, GLONASS, Galileo, BeiDou). It can therefore be piloted indoors and through cluttered areas, stabilized by its onboard sensors.

WARNING: If you choose to fly without GPS, you must ensure that the ground has sufficient texture, and is sufficiently illuminated in order to optimize the optical flow of the vertical cameras. Suboptimal conditions such as non-textured, or poorly illuminated ground may cause ANAFI UKR to drift.

Parrot recommends ANAFI UKR pilots to always set up, start, and finish their automated and assisted flights from wide open areas.

4.5.   4K video formats

4K video formats are professional grade media which may not be read natively by slower computers. If the media do not read properly on your equipment, shoot in 1080p or use a video converter to turn your ANAFI UKR's 4K videos into a more manageable format, such as 1080p. The video coding format (H.264 or H.265) can be chosen. H.265 is more recent and more efficient but can lead to compatibility issues on older video systems. If you are experiencing compatibility issues, consider choosing H.264.

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4.6.   ANAFI UKR smart batteries

One smart battery comes preinstalled on ANAFI UKR. If you remove the battery, you must reinstall it in the same orientation.

ANAFI UKR battery enters a **Wintering mode** when not in use for ten consecutive days. You must wake the battery up and charge it completely before you fly ANAFI UKR for the first time.

4.7.   Technical support

CAUTION: If you do not share flight data / logs for the purposes of receiving support, you limit your ability to receive technical support, warranty, or both from Parrot.

4.8.   Information related to Privacy Rights

For more information about the appearance of individuals in videos and photos taken by a drone, refer to the Flight Safety Guide (available on request).

5.   Technical specifications

AIRCRAFT

- Size folded: 245 x 160 x 116 mm (9.6 x 6.3 x 4.6")
- Size unfolded: 350 x 665 x 116 mm (13.8 x 26.2 x 4.6 ")
- Mass: 959 g (2.11 lb)
- Maximum take-off mass (MTOM): 1,450 g (3.20 lb)
- Maximum transmission range (*LOS – Line of Sight*) with Skycontroller UKR:
    - MARS Radio: 15 km (9.32 mi)
    - LoRa: 20 km (12.43 mi)
- Maximum flight time: 38 min at 6 m/s airspeed
- Maximum flight distance: 23.1 km (14.35 mi) at 10 m/s airspeed
- Maximum horizontal airspeed: 17 m/s (38.1 MPH) [1]
- Maximum horizontal groundspeed: 12.6 m/s (28.18 MPH)
- Maximum ascent speed: 8 m/s (17.9 MPH)
- Maximum descent speed: 8 m/s (17.9 MPH)
- Maximum wind resistance:
    - During flight: 15 m/s (33.5 MPH)
    - During take-off and landing: 15 m/s (33.5 MPH)
- Maximum propeller speed: 8,500 RPM
- Sound power level: 77 dBA [2]
- Service ceiling: 5,000 m above MSL (Mean Sea Level)
- Operating temperature: -36 °C to 50 °C (-33 °F to 122 °F)
- No take-off temperature limitation - if battery temperature is maintained between -20 °C and 50 °C (-4 °F to 122 °F)
- IP53: Rain and dust resistant
- Maximum static thrust: 27 N
- Thrust to weight ratio: 2.9
- No NFZ (no-fly zone) limitation
- Takes off from / lands in the hand of the operator
- Full capability in GNSS denied flight conditions
- Indoor flight
- Connectivity and storage:
    - USB-C port
    - MicroSD card slot
    - 512 GB internal memory
- Deployment time: < 2 min

SENSORS

- Satellite navigation: GPS, GLONASS, Galileo, & BeiDou
- Barometer and magnetometer
- Front stereo cameras, vertical stereo cameras and vertical range sensor
- 4 inertial measurement units. Each IMU includes:
    - 3-axis accelerometers
    - 3-axis gyroscopes

CYBERSECURITY

- Zero data shared without user consent
- TAA & NDAA compliant
- Blue sUAS program approved
- Manage your data privately between drone and device OR share anonymous data on secured European servers
- MicroSD card AES-XTS encryption with a 512-bit key
- Digitally signed firmware
- Compliant with FIPS140-2

EO IMAGE CHAIN

- 2x Sensors: 1/2.4''
- Digital zoom: 35x
- Electronic shutter speed: 1/25 s to 1/10,000 s

- ISO range: 100-3,200
- Video resolution: 4k (2160p) / FHD (1080p)
- Video format: MP4 (H.264 & H.265)
- Photo resolution: 21 MP, 4K - 24, 25, 30 fps, 1080 – 50, 60 fps
    - Wide: 84° HFOV;
    - Rectilinear: up to 75.2° HFOV
- Photo formats: JPEG, DNG (Digital Negative raw)

IR IMAGE CHAIN
Sensor: FLIR BOSON

- 640x512 sensor resolution
- Temperature range: -40 °C to 250 °C (-40 °F to 482 °F)
- Thermal sensitivity: <60 mK
- Measured IR wavelength range: 8 to 14 micrometers
- Photo format: JPEG, PNG
- Video format: MP4 (H.264 & H.265)
- Video recording resolution: UHD, 8.6 fps

IMAGE STABILIZATION

- 3-camera IR/EO stabilized gimbal:
    - Hybrid: 3-axis
    - Mechanical: 3-axis
    - Electronic (EIS): 3-axis
- Controllable gimbal tilt range: -90° to +90°

SMART BATTERY

- Size: 136 x 73 x 46 mm (5.4 x 2.9 x 1.8")
- Mass: 354 g (0.78 lb)
- Type: High density LiPo (225 Wh/kg)
- Capacity: 6,800 mAh
- Voltage (nominal): 11.55 V (3 x 3.85 V cells)
- USB-C port
- Charges fully in 2 h 30 min with a USB-PD (Power Delivery) charger included in the pack
- Maximum charging power: 45 W

GROUND CONTROL STATION

- Size folded: 171 x 302 x 77 mm (6.7 x 11.9 x 3.0")
- Size unfolded: 171 x 302 x 215 mm (6.7 x 11.9 x 8.5")
- Mass: 1,765 g (3.89 lb)
- Battery capacity: 10,000 mAh
- Battery voltage (nominal): 7.2 V
- Battery charging duration: 2 h (2 h 30 min with tablet)
- Battery life: 4 h 30 min
- Connectivity:
    - USB-C port
    - USB-A port
    - HDMI port
    - Ethernet port
- IP53: Rain and dust resistant

CARRY CASE

- Size: 405 x 503 x 192 mm (15.9 x 19.8 x 7.6")
- Mass: 6,659 g (14.68 lb)

RADIO LINK

- Over 1.5 GHz bandwidth spread across 1.8 – 5 GHz [3]
- TX & RX differentiated frequencies
- Radio-jamming resistance through Frequency hopping
- Direct video stream resolution: 1080p 30 fps
- AES 256 encryption: packet and radio level
- Encrypted backup LoRa radio

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[1] *Maximum ground speed depends on current wind speed. Active cruise control is enabled by default (and cannot be disabled). At 12 m/s airspeed the range in km is maximized.*

[2] *77 dBA is the guaranteed sound power level, however, in typical flight conditions ANAFI UKR has a sound power level of 75 dBA.*

[3] *Available bands depend on individual configurations.*
Extreme temperatures, or suboptimal conditions may affect maximum range or battery autonomy.

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ANAFI UKR

DIMENSIONS

42 mm

116 mm

36 mm

245 mm

160 mm

100 mm

350 mm

665 mm
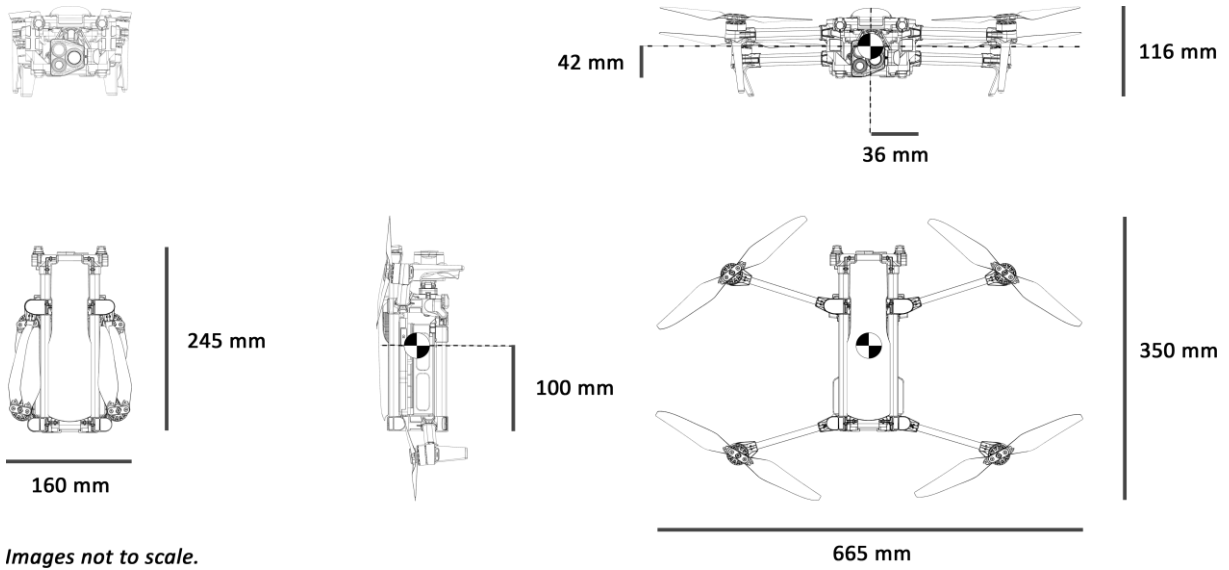
Images not to scale.

🌓 *Center of gravity.*

Measurements indicating the center of gravity are based on the drone's body rather than the propellers or arms.

Do not alter the center of gravity

Figure 1: ANAFI UKR dimensions and center of gravity

6.   Pack contents

Your ANAFI UKR pack contains:

- 1 ANAFI UKR aircraft
- 1 Skycontroller UKR
- 1 Auto Boot USB key with ANAFI UKR Simulator and FlightCharts software
- 1 landing pad
- 1 smart battery
- 1 USB-PD charger
- 1 USB-A/USB-C cable (1 m)
- 2 USB-C/USB-C cables (0.5 m)
- 1 gimbal protection cover
- 1 hard case

Figure 2: ANAFI UKR system pack contents

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7. Pre-flight checklist

7.1. Transport & handling

- Always transport ANAFI UKR in its hard case, safely positioned, with the gimbal's protection cover on.
- Protect the battery from temperature extremes, both low and high. Try to keep the battery as close as possible to ambient temperatures.
- Always handle the ANAFI UKR with care. Do not apply pressure to the drone and generally avoid touching the sensitive camera and gimbal.
- Always keep the hard case with the drone and battery in dry places.

7.2. Equipment

- Ensure that your ANAFI UKR is up to date with the latest version of firmware.

IMPORTANT: Updates are mandatory and must be performed systematically prior to any flight to ensure maximum performance and safety.

- Ensure that you unfold all four foldable arms of the drone.
- Ensure that the propellers are clean, intact, and unobstructed.
- Ensure that ANAFI UKR's battery is fully charged.
- Ensure that you always use genuine Parrot smart batteries. Non-genuine batteries are forbidden, and their use will void the warranty and impact safety requirements.
- Ensure that the drone's battery is securely installed on the drone's body.
- Ensure that the drone's gimbal protective cover is removed.
- Ensure that the drone's lenses are clean. If the lenses require cleaning, clean them before you press ⏻ **Power** on the drone. Hold the gimbal between two fingers so that you do not apply pressure to the mechanism. Gently wipe the lens with a microfiber cloth.

7.3. Regulations

- Ensure that drone use is permitted where you intend to fly.

7.4. Flight conditions

- Ensure that the flying zone is safe and clear.
- Do not fly ANAFI UKR over unauthorized airspaces such as airports, train stations, power plants, national reserves, etc.
- Check the weather. Do not fly ANAFI UKR in fog, snow, hail, salt spray, thunderstorms, sandstorms, bird flocks, or in wind exceeding 15 m/s (33.5 mph).
- Parrot recommends you do not fly ANAFI UKR low over water and other reflective surfaces, such as mirrors, glass, etc.
- Parrot recommends you do not fly ANAFI UKR at night, as all visual positioning will be impaired.

8.   Getting started

Refer to the enclosed Quick Start Guide (QSG) if you require illustrated guidance to get started.

1. Connect ANAFI UKR's smart battery to the enclosed USB-PD charger with one of the enclosed USB-C to USB-C cables.
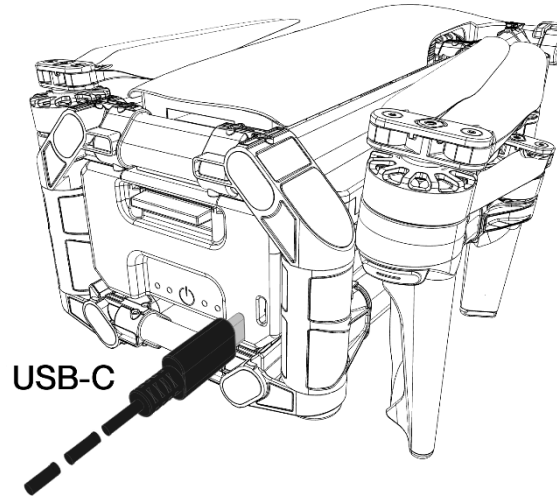

Figure 3: ANAFI UKR rear view ready for charging

The battery's LEDs light up progressively indicating that the battery is awake.

> **WARNING**: It is mandatory to fully charge the smart battery at least one time before the first flight. Failure to do so can limit the capacity and impact safety.

Refer to *chapter 10. Smart LiPo Battery* for more information.

2. On ANAFI UKR, remove the gimbal protective cover.
3. Unfold ANAFI UKR's arms.
   a. Unfold the front arms first.
   b. Then unfold the rear arms.
   c. Unfold the propellers
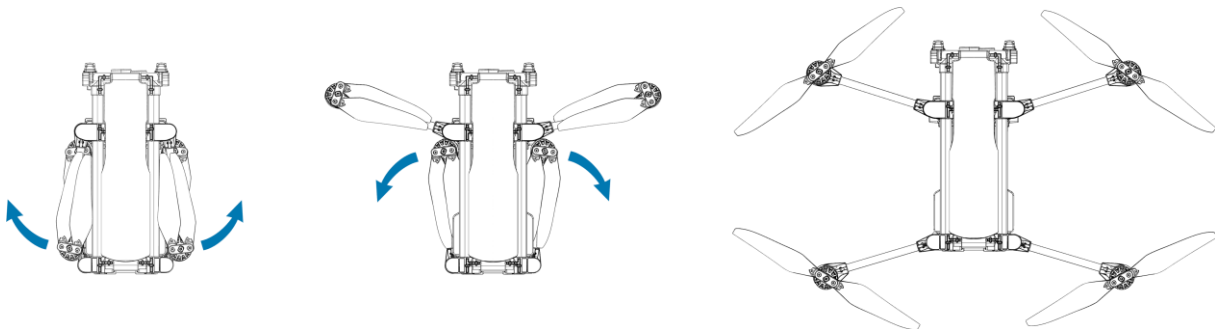
4: ANAFI UKR arm unfolding procedure

4. Press and hold ANAFI UKR's ⏻ **Power** button for 4 seconds to power it on.

The 4 green LEDs turn on one after the other, the drone's fan starts to turn, and the electronics start. The drone's 4 motors beep, and the propellers rotate slowly to check that the motors are fully functional. The gimbal also calibrates and rotates.

Do not touch the propellers or gimbal during the booting phase

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NOTE: You must maintain the smart battery at a minimum temperature of 0°C before take-off.

5. Place ANAFI UKR on a flat horizontal surface
6. Check for ecosystem updates to ensure maximum performance and safety.

IMPORTANT: Regularly refer to the Release Notes ANAFI UKR available upon request, to ensure that you have the latest versions of the drone firmware.

7. Calibrate ANAFI UKR if required. Follow the instructions on your Skycontroller UKR's screen.

ANAFI UKR is ready for flight.

9. ANAFI UKR aircraft
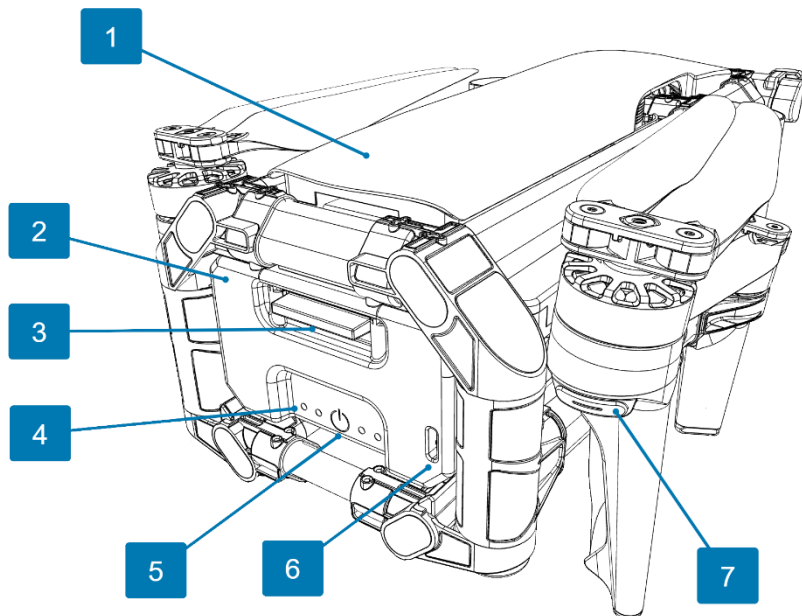
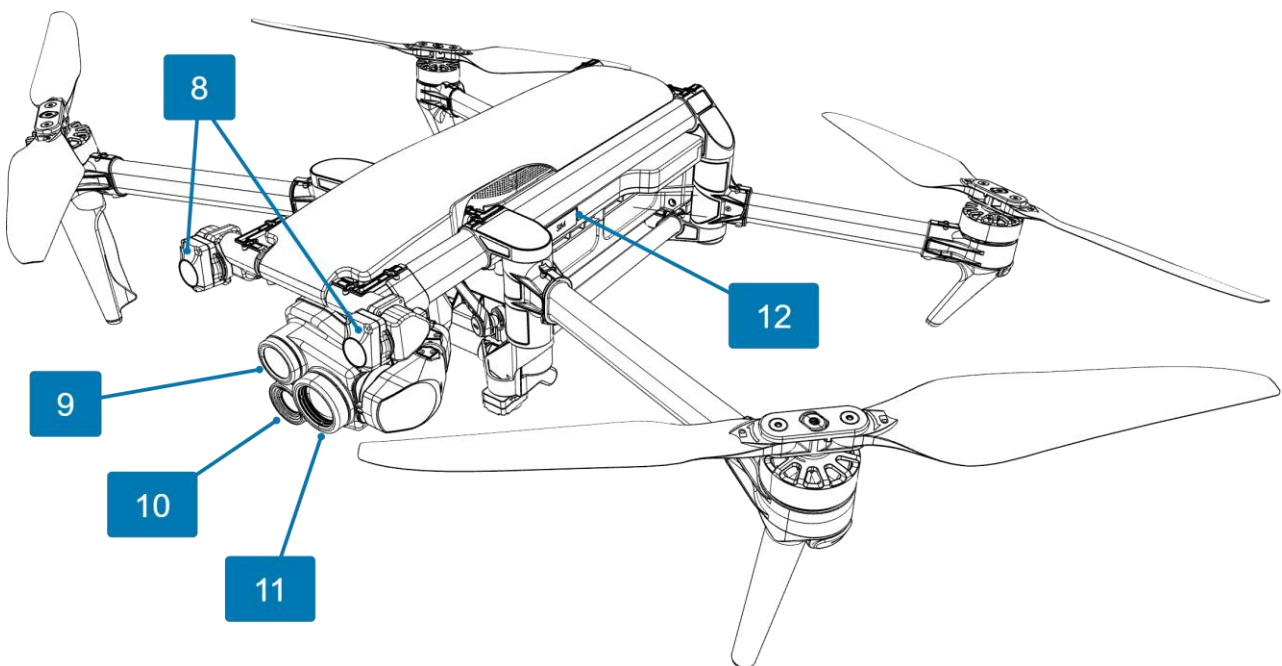*Figure 5: ANAFI UKR rear view folded*

Figure 6: ANAFI UKR front view unfolded

1. GNSS Antenna
2. Smart battery
3. Smart battery release latch
4. Smart battery status LEDs
5. Power button
6. Smart battery USB-C charging port

7. Arm LED (1 of 4)
8. Front stereo cameras
9. 35x telephoto EO 4K camera
10. Wide angle EO 4K camera
11. Thermographic FLIR boson camera
12. SIM card port

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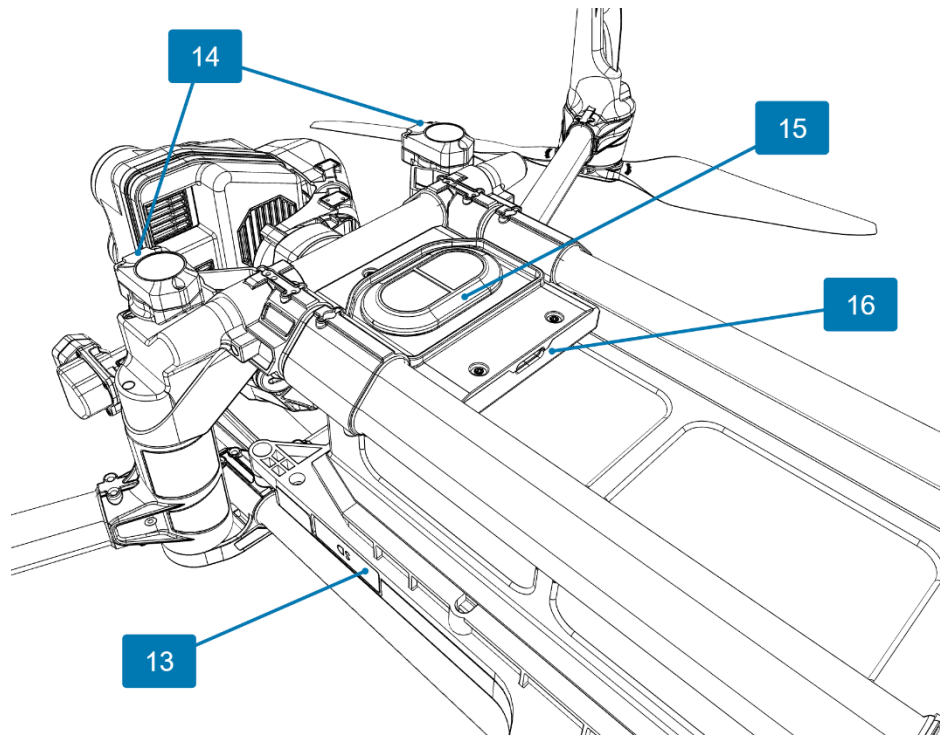
Figure 7: ANAFI UKR underside view

13. MicroSD Card port	15. Time of Flight (ToF) sensor
14. Bottom stereo cameras	16. ANAFI UKR USB-C port

9.1.   Connectivity

ANAFI UKR has the following connectors:

- MicroSD card port (No.12) - Used for external media storage.
- USB-C port (No. 15) - Used for drone/controller pairing, media access, and webserver access. The maximum available output power is 5V/2A.

9.2.   LEDs and assistance lights

ANAFI UKR features LEDs on each arm. LED color patterns change depending on situation.

9.2.1.   On the ground

The left LEDs flash red for 0.4 seconds every 2-second cycle (1.6 s OFF, 0.4 s ON).

The right LEDs flash green for 0.4 seconds every 2-second cycle (1.6 s OFF, 0.4 s ON).

9.2.2.   During flight

LEDs ensure ANAFI UKR's visibility, and help visualize the drone's orientation in flight.

The right and left LEDs flash green for 0.4 seconds every 2-second cycle during flight.

Both right and left LEDs are dimmed when the drone is landed.

LED luminosity increases with the drone's height over its take-off point, up to 5 meters.

LEDs are switched off in Operation mode.

ANAFI UKR also features infrared LEDs on each arm which can be controlled in Operation mode.

9.2.3.   During an emergency

All LEDs do a 4 second cycle

- Green 0.3 seconds
- Off 1.7 seconds
- Red 0.3 seconds
- Off 1.7 seconds

9.2.4.   Updating maps

All LEDs flash red rapidly

- 0.2 seconds red
- 0.2 seconds off

9.3.   Installing a microSD card

This section explains how and where to install a microSD card in ANAFI UKR.

The ANAFI UKR microSD card slot is located on the right-hand side of the drone. To install (or remove)
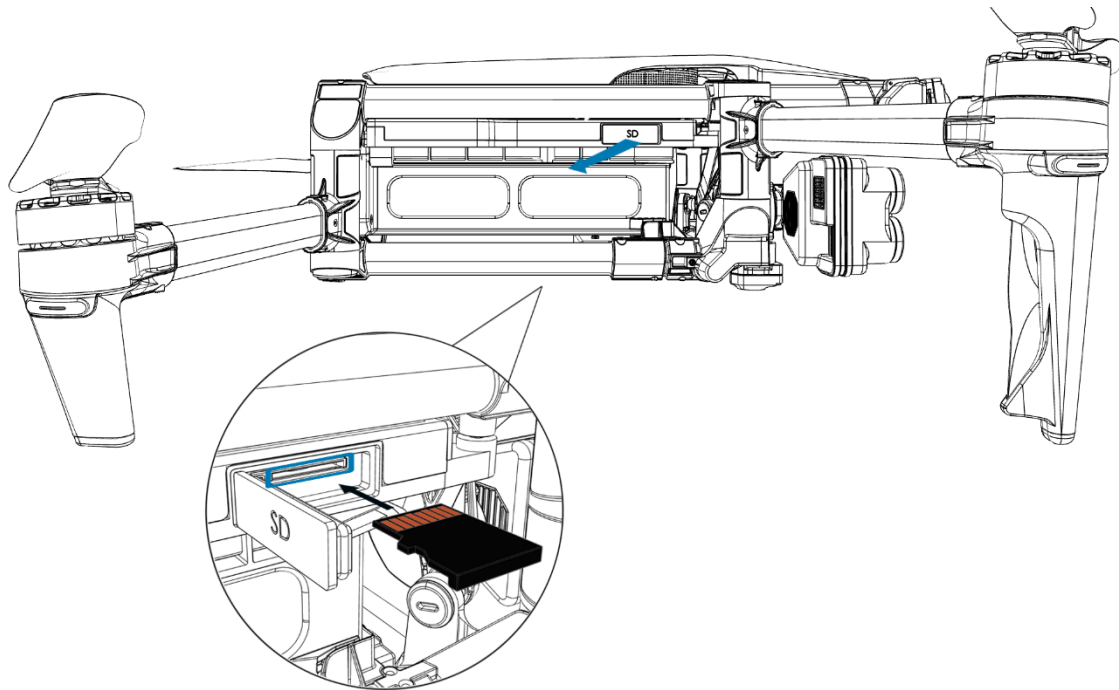

Figure 8: MicroSD card insertion

a microSD card, you must open the **SD card cover**.

1. Open the **SD card cover** to expose the microSD card slot.

2. Insert the microSD card into the keyed slot.

The microSD card makes a slight clicking sound.

IMPORTANT: In the correct orientation, the microSD card's metal contacts face toward the top of the drone. The notch of the microSD card faces toward the rear of the drone.

3. Close the **SD card cover.**

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9.4. Compatible microSD cards

The following microSD cards are compatible with ANAFI UKR:

- Sandisk Extreme Pro 64 GB, 128 GB
- Sandisk Extreme 128 GB
- Sandisk Max Endurance 32 GB, 64 GB, 128 GB
- Sandisk High Endurance 64 GB, 128 GB

10.   Smart LiPo Battery

One smart battery comes preinstalled on ANAFI UKR. You can charge the smart battery when installed on ANAFI UKR, or when removed from ANAFI UKR. If you remove the battery, you must reinstall it in the same orientation. Always use genuine Parrot smart batteries. Non-genuine batteries are forbidden, and their use will void the warranty and impact safety requirements.

NOTE: LiPo batteries gradually lose capacity after 300 charge/discharge cycles.

10.1.   Battery removal

To remove the smart battery from the drone, press down on the removal latch located on top of the battery and disengage it from the drone by gently sliding it toward the back of the drone.
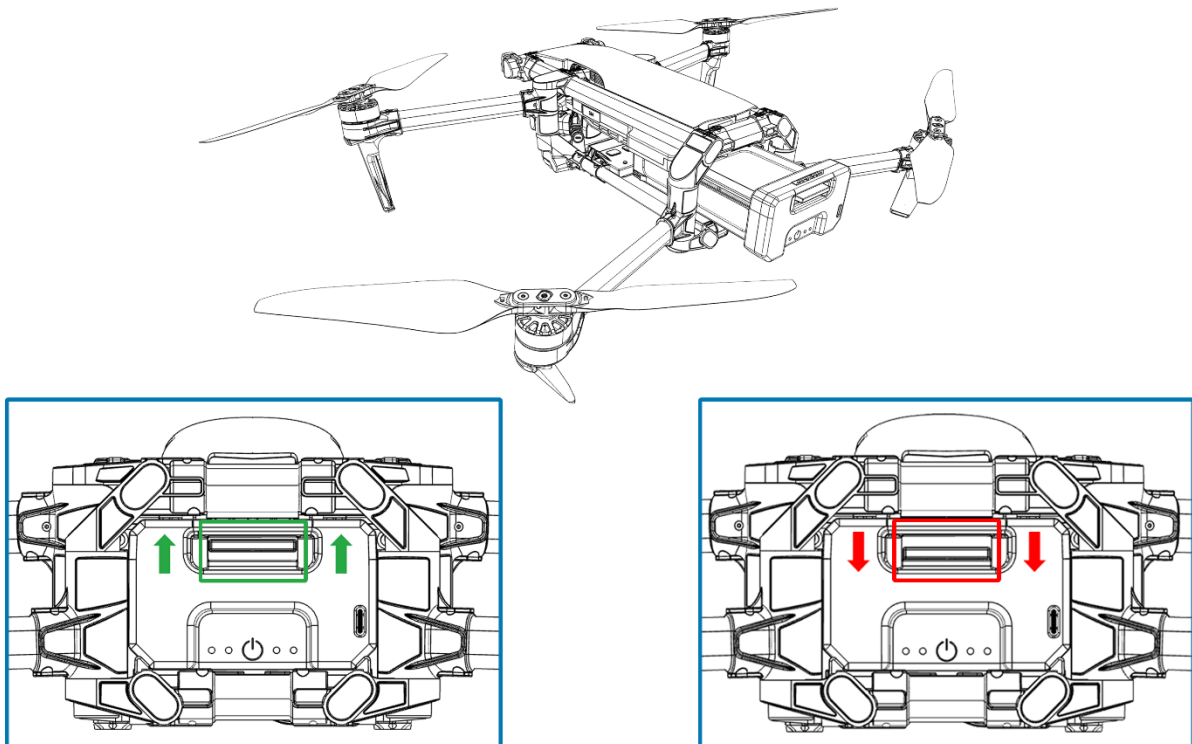

Figure 9: Smart battery correct installation procedure

10.2.   Battery installation

To install the smart battery on the drone, position the battery's slide grooves (located on both sides of the battery) into the drone's corresponding slide rails. Slide the battery into the drone, and using your thumbs, press firmly on both sides of the battery removal latch. Ensure that the battery is tightly secured into the drone.

WARNING: Do not fly the drone if the battery removal latch is not fully engaged in the drone. When the battery is fully locked in place, the battery removal latch is in the up position. Refer to Figure 9. above for a visual representation. If the battery is not fully locked, it can be pushed out without touching the removal latch.

10.3.   Battery care and safety

ANAFI UKR's smart battery features a wintering mode, designed to increase its durability and facilitate its care. Ideally, when not in use for a prolonged period, batteries should be stored half-charged. When not in use for 10 days, ANAFI UKR's smart battery discharges itself, if required, to 60% charge, over a 48h period.

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After a maximum of 12 days without use, the smart battery enters wintering mode with a charge level which never exceeds 60%. During wintering mode, the ⏻ **Power** button does not activate the charge level LED indicators. You must charge the battery to exit the wintering mode and start operating as described in the earlier paragraphs. This behavior preserves the battery over time.

TIP: always run a full charge of your smart battery before flying ANAFI UKR.

A N A F I U K R's smart battery must be handled, transported and stored with care:
- Do not store the battery long-term (1 month or more) with a charge level below 30%;
- Never leave a battery unattended while charging;
- Never expose a battery to extreme temperatures, neither hot, nor cold;
- Never charge a battery which is still warm from use (wait for at least 20 minutes);
- Never use or recharge a damaged or swollen battery;
- Always store your battery in a dry, ventilated place, at a temperature close to 20°C;
- Always carry your battery in a fire-retardant bag or case (unless it is installed on A N A F I U K R: it can then be transported with the drone, inside its carrying case).

IMPORTANT: the ideal long-term storage conditions for the battery are:
- at room temperature 23°C +/- 2°C;
- at a relative humidity of 65% (rh) ± 10%;

NOTE: ANAFI UKR's smart battery only charges in ambient temperatures between +10°C to +45°C. Flying time is reduced if you fly in temperatures approaching -10°C. The ideal operating temperature of the smart battery is 20°C. Ensuring that the smart battery remains as close as possible to 20°C before starting a flight minimizes the reduction in the smart battery's capacity in cold environments.

TIP: You can use your body heat to maintain the temperature of the battery. Keep the battery in your pocket prior to flying in a cold environment.

10.4.   Battery charging

To charge the smart LiPo battery, use the enclosed USB-C to USB-C cable to connect the battery to its enclosed charger.

Drone battery charging time is 2 h 30 minutes with a 45 W charger.

Parrot recommends that you charge the smart battery with the provided USB-C wall charger. If you charge the smart battery with a different charger, it must be a USB power adapter with a minimum output power of 45 W and compatible with PD3.0 PDO 15V/3A; 20V/3A.

You can charge the drone battery when installed on, or when removed from the drone.

The drone's smart battery has 4 LEDs that indicate the charge level in real time. The LEDs turn off when charging is complete. To verify the state of charge, press the ⏻ **Power** button on the smart battery.

The following table describes the behavior of the LEDs at different charge levels:

LED 1	LED 2	LED 3	LED 4	LED BLINK SPEED	CHARGE LEVEL
🟢 (blink)	⊘	⊘	⊘	1 sec blink delay	0 - 20% charged
🟢	🟢 (blink)	⊘	⊘	1 sec blink delay	21 - 40% charged
🟢	🟢	🟢 (blink)	⊘	1 sec blink delay	41 - 60% charged
🟢	🟢	🟢	🟢 (blink)	1 sec blink delay	61 - 80% charged
🟢	🟢	🟢	🟢 (blink)	500 ms blink delay	81 - 99% charged
⊘	⊘	⊘	⊘	N/A	Fully charged
🔴	⊘	🟢	⊘	N/A	Charging unavailable – Battery too hot
🔴	🟢	⊘	⊘	N/A	Charging unavailable – Battery too cold

NOTE: For safety reasons, the smart battery does not charge in extreme temperatures. Charging is only available between 10°C and 45°C.

CAUTION: Never charge the battery via the 8-pin connector, you must only charge the battery via the USB-C port on the battery, shown in Figure 5.

NOTE: If the smart battery's gauge temperature surpasses 85°C, the maximum drone inclination is progressively limited to allow the gauge cool down. When the gauge temperature returns below 75°C, all autopilot limitations are removed. FreeFlight 8 does not inform the pilot of this limitation.

If the smart battery's cell temperature surpasses 65°C, the drone initiates an RTH. This RTH can be overruled by the pilot, but the battery's future health and performance may be degraded.

If the cell temperature surpasses 75°C, the drone initiates an auto landing (in training mode only).

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10.5. Power bank mode

ANAFI UKR's smart battery can also be used as a power bank to charge any USB-C device, including Skycontroller UKR.

In power bank mode, the USB-c port provides a maximum power output of 12V/3A.

The following table describes the behavior of the LEDs at different charge levels in power bank mode:

LED 1	LED 2	LED 3	LED 4	CHARGE LEVEL
🟠	⊘	⊘	⊘	0 - 20% charged
🟢	⊘	⊘	⊘	21 - 40% charged
🟢	🟢	⊘	⊘	41 - 60% charged
🟢	🟢	🟢	⊘	61 - 80% charged
🟢	🟢	🟢	🟢	81 - 100% charged
🔴	⊘	🟢	⊘	Charging unavailable – Battery too hot
🔴	🟢	⊘	⊘	Charging unavailable – Battery too cold

10.6. Double battery option

10.7. External payload

ANAFI UKR can fly with external payloads up to 400 g.

CAUTION: Do not alter the center of gravity of the drone. Do not obstruct the field of view of optical sensors. Parrot recommends that you do not attach a payload to ANAFI UKR's top cover of. Payloads attached to the top cover can impede or degrade GNSS/IMU performance.

Drone magnetometer calibration should be performed again with the external payload installed on the drone.

Parrot recommends that the user always evaluates drone flight behavior with the external payload before flying the drone at higher altitudes. Short flights at low altitudes help to confirm the drone behavior is still acceptable with the external payload.

When an external payload is attached to ANAFI UKR, the additional weight increases the total power consumption of the drone. As a consequence, flight autonomy decreases.

With a payload of 350 g, ANAFI UKR's power consumption is 180 W, instead of 123 W without an external payload. The hover autonomy reduces to 25 minutes instead of 37 minutes without an external payload.
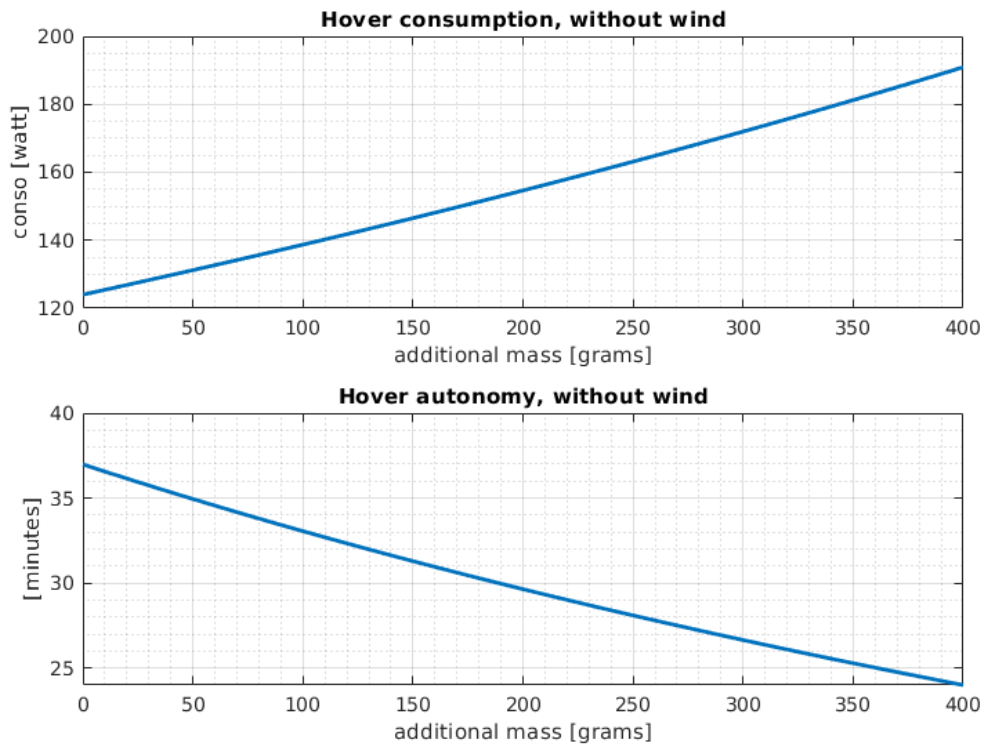
Figure 10: autonomy function of external payload mass

Drone maximum speed is also reduced in case of external payload. With a payload of 350 g, the maximum speed is 14.7 m/s instead of 17 m/s without an external payload:
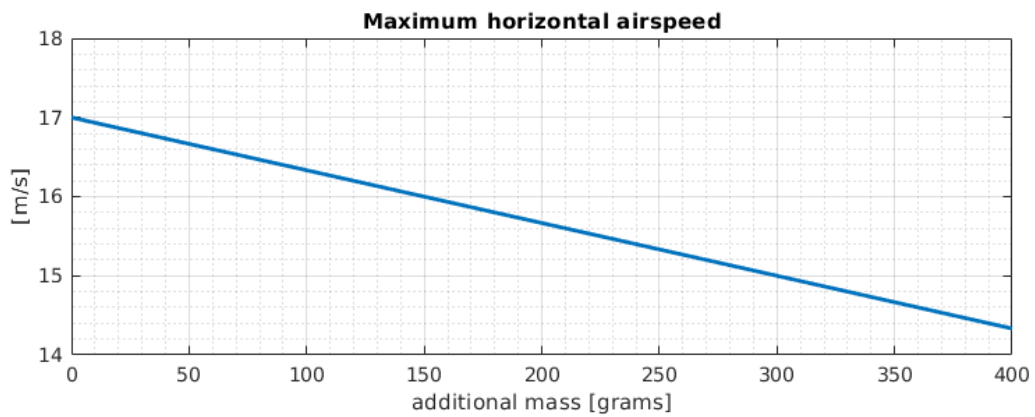
Figure 11: maximum speed function of external payload mass

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11. Auto Boot USB key

The Auto Boot USB key contains:

- The Linux Ubuntu operating system
- A compatible drone firmware image
- ANAFI UKR simulator
- FlightCharts software

NOTE: The Auto Boot USB key does not use any hard disks or other non-volatile storage devices on the PC. It exclusively reads and writes data onto the PC's RAM memory.

To access the software on the Auto Boot USB key, follow this procedure:

1. Insert the Auto Boot USB key into your PC.
2. Turn on or restart your PC.
3. Immediately press the boot menu key – you may need to press the key repeatedly.

The boot menu key varies by PC manufacturer, consult your PC's user guide or look for a message during startup, for example **Press F12 for Boot Menu**. Common boot menu keys include: **F12**, **F9**, **ESC**, or **F2.**

NOTE: On some PCs, you may need to enable the boot menu key in the BIOS/UEFI settings

4. Use the arrow keys to select **UEFI – SanDisk SanDisk 3.2 Gen1 A2003CC0122C6C58**
5. Press **Enter**

After successfully booting from the Auto Boot USB key, a **GNU GRUB** menu opens with 3 options:
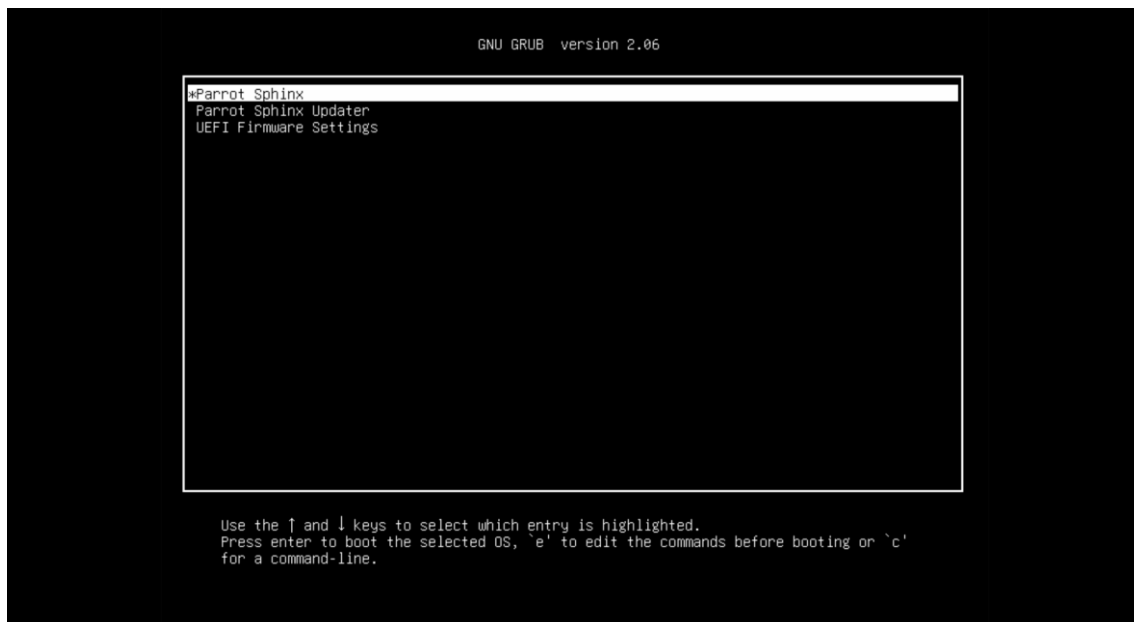
Figure 12: Auto Boot USB key GNU GRUB menu

6. Use the **Up/Down Arrow** keys on the keyboard to select one of the 3 options.
7. Press **Enter**

Parrot Sphinx – The Linux desktop opens. You can then use ANAFI UKR Simulator and FlightCharts

Parrot Sphinx Updater - The Auto Boot USB Key can self-update, allowing you to use the latest versions of ANAFI UKR Simulator, the drone firmware, and FlightCharts. This is essential for maintaining compatibility with the physical drone and the controller. After a brief delay, the updater program begins automatically.

NOTE: Successful updating requires a stable network connection on your PC through a wired Ethernet connection. Neither a Wi-Fi connection nor an authenticated Ethernet connection are supported during the whole update sequence. The most recent version of the simulation package is then automatically downloaded and written to the Sphinx partition of the key. The duration of this process can take a long time and may vary depending on the network's speed and reliability. Upon completion, the system will power off.

UEFI Firmware Settings – Allows you to disable secure boot, as well as configuring the boot order management so that your PC automatically boots from the Auto Boot USB key first.

11.1. ANAFI UKR simulator

ANAFI UKR simulator is a real-time 3D drone simulator built on Parrot Sphinx, and comes fully packaged on the Auto Boot USB key provided in the pack contents. Parrot Sphinx is also available free of charge from developer.parrot.com. The ANAFI UKR simulator executes the drone's firmware, with all its embedded sensors and actuators, including cameras, in a visually and physically realistic environment. This allows the user to see the drone flying from multiple customizable viewpoints. The simulated ANAFI UKR communicates seamlessly with the real Skycontroller UKR, and when connected by USB cable to a real ANAFI UKR, it can simulate the tracking mode, where the gimbal can lock onto a selected character within the scene.

ANAFI UKR simulator provides various 3D scenes, including **Planet**, which allows the user to fly over any region of the world, provided that you have a Google© Developer account.

11.1.1. System requirements

To run smoothly in real-time, ANAFI UKR simulator requires a powerful PC with the following specifications:

- 16 GB RAM
- 8 CPU cores @4GHz (x86_64/amd64)
- NVIDIA GPU RTX 4080

NOTE: ANAFI UKR Simulator's performance depends on individual PCs. Even with the above specifications, you may experience latency particularly if you use some of the larger worlds.

Ensure that UEFI Secure Boot is disabled on your PC as keeping it enabled may cause various malfunctions.

When possible, Parrot recommends that you run ANAFI UKR simulator on a desktop PC, for better performance. If you must run ANAFI UKR simulator on a laptop, keep your laptop plugged into a power source, for higher real-time performance.

NOTE: Simulated tracking mode requires a USB-3 type C cable (to ANAFI UKR), as well as a USB-3 compliant USB port (to the PC).

11.1.2. Setting up ANAFI UKR Simulator

Follow this procedure to set up ANAFI UKR simulator for the first time:

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1. Connect your Skycontroller UKR device to your FreeFlight 8 device.
2. Connect the Skycontroller UKR to your PC via an RJ45 Ethernet cable.
3. Power on your Skycontroller UKR and your FreeFlight 8 device.
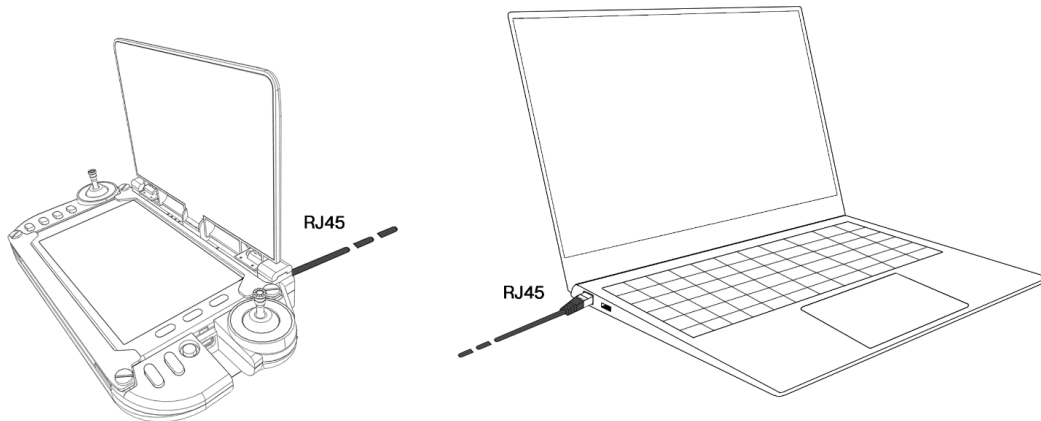
Figure 13: Skycontroller UKR/PC connection via Ethernet cable

4. Open FreeFlight 8 if it doesn't launch automatically.

The following steps are optional:

A. Connect an ANAFI UKR with a USB-C Type 3 cable and power on the drone. This allows ANAFI UKR to track an actor.
B. Ensure that you are connected to the Internet. This allows **World Planet** to function.

NOTE: All cables must be connected before you turn on the devices.

Double-click the **Parrot Sphinx** icon to launch the simulator (on the Desktop or in the menus). The shortcut launches everything for you. Shortly after the launch the drone appears.

Planet is a special world that allows you to virtually fly around the globe. Upon launch, a dedicated window (see picture below) appears, allowing selection of the GPS coordinates of the scene. It requires a constant and stable connection to the internet. It also requires a valid Google API key.

In order to get your Google API key, you must:

1. Create your own Google developer account.
2. Activate the Map elevation API and the Map tiles API.

3. Copy and paste the key into the Parrot **Planet** launcher.
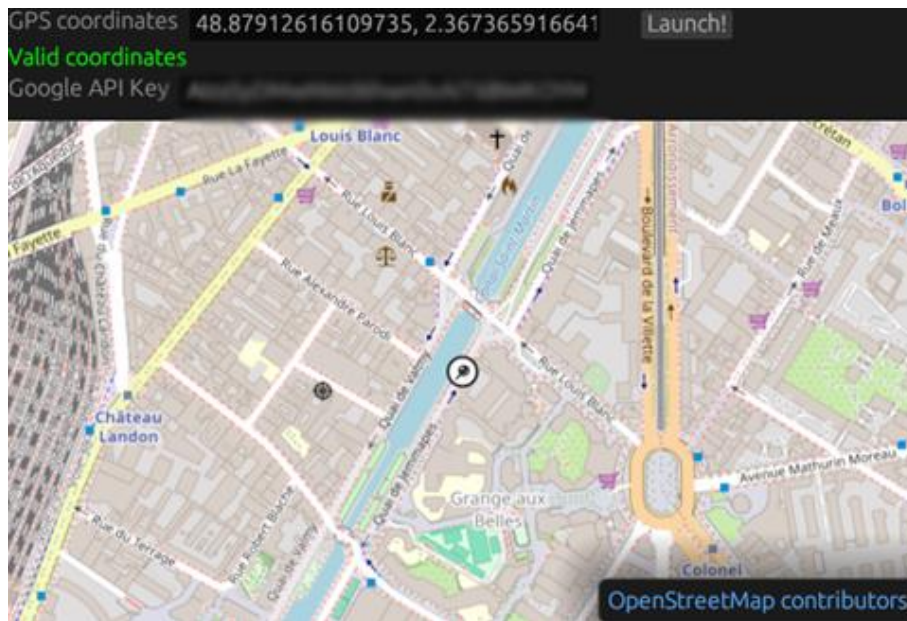
Figure 14: Parrot Planet launcher

11.1.3. Simulation view

The main view provides information about the simulation, including viewing the cameras. For more information, refer to *chapter 11.1.5 Cameras*.
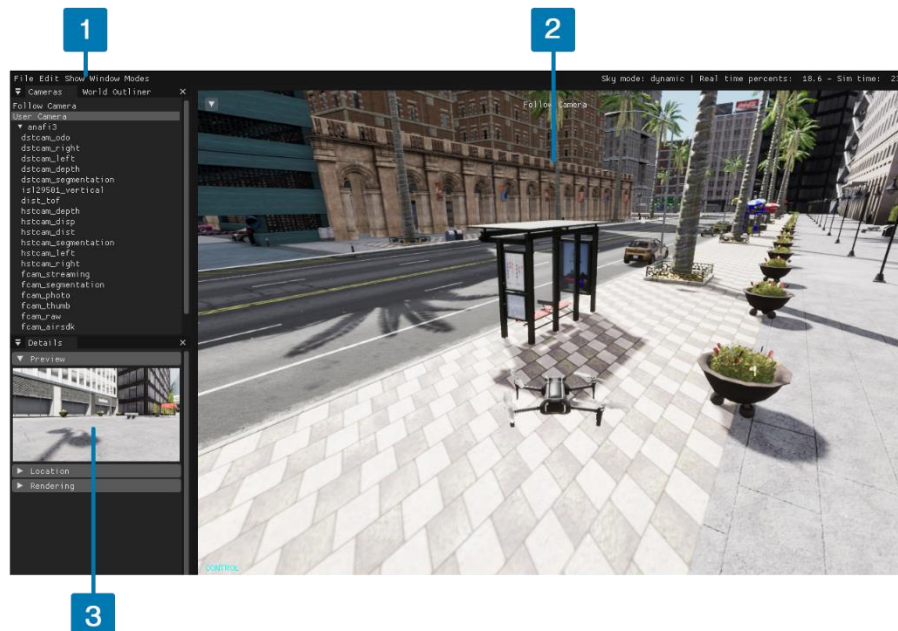
Figure 15: Main simulation view

1. Top menu bar
2. Main display
3. Camera view

11.1.4. Simulation reset

To reset the simulator:

1. Click **Edit** in the top menu bar. A drop-down menu opens.
2. Click **Reset World.**

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Alternatively, use the keyboard shortcut **Ctrl+R**.

Resetting the simulation is useful when your drone has crashed or is stuck. You can also use it to reset the drone to where it started originally.

11.1.5. Cameras

Select a camera in the sidebar to preview them.

You can also select and drag a camera name in the sidebar, and you can then drop it inside the viewport to see it better.

- **Follow camera**: A third-person camera that follows the drone while it flies.
- **User camera**: A camera that can be freely moved around by the user.

11.1.6. Actors

Some worlds have actors that can be used to test tracking function. An actor is a character or a vehicle which travels along a path. You will recognize these worlds by their specific icons:

 Vehicle actor

 Character actor

 Click the desktop icon to toggle the actor between a moving state and a paused state. Alternatively, use the keyboard shortcut **Ctrl+Shift+P**.
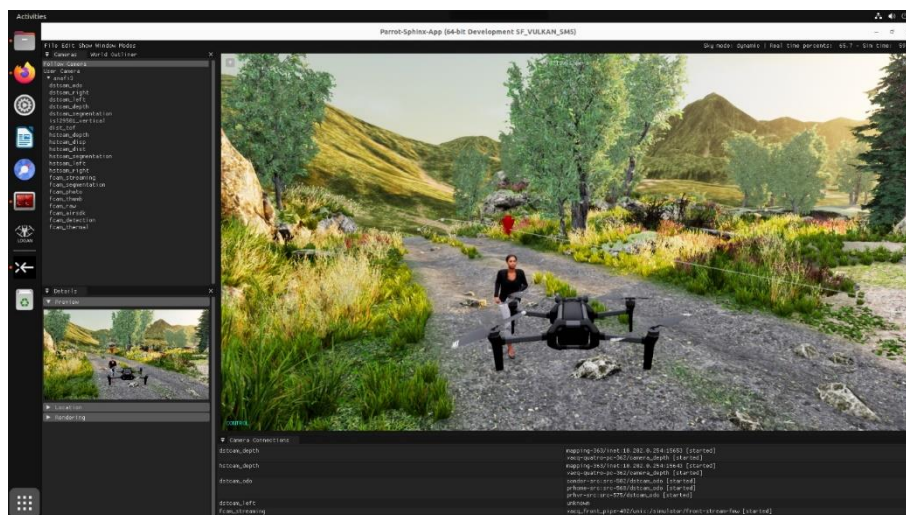
Figure 16: Simulation view with character actor

Actors do not move by default.

Worlds with actors require a drone connected to the PC via a USB cable. Once connected, Sphinx communicates with the drone. **Tracking** mode gets simulated.

Figure 17: ANAFI UKR and Skycontroller UKR connected to a PC for the simulator

NOTE: When you quit the simulation, you may need to wait several seconds until the connected drone finishes its reboot and becomes available again.

11.2.   FlightCharts

FlightCharts generates the files required for GNSS denied flight and navigation. Artificial intelligence algorithms analyze satellite images in order to identify visible structures from the air, including roads, fields, bodies of water, buildings, etc. This information is then encoded into a map that allows ANAFI UKR to fly in GNSS denied environments.

The FlightCharts software comes packaged on the Auto Boot USB key included in the pack contents.

11.2.1. Prerequisites

FlightCharts requires:

- A microSD card formatted by FreeFlight 8.
- An API token from either Google or ArcGIS

To format the microSD card, follow this procedure:

1. Format the microSD card in ANAFI UKR via FreeFlight 8.
2. Ensure that the microSD card is unencrypted. If the microSD card is encrypted, you must remove the encryption via FreeFlight 8.
3. Remove the microSD card from ANAFI UKR.
4. Insert the microSD card into your computer.
5. Insert the Auto Boot USB key into your computer.
6. Open your computer's boot menu. Refer to *chapter 11.1. Auto Boot USB Key* for more information.

Refer to *chapter 15 Appendix 3: Disclaimer* for more information on how to obtain a Google API token, or an ArcGIS API token.

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11.2.2. Running FlightCharts

To use FlightCharts, follow this procedure:

1. Double click FlightCharts' icon:

NOTE: You must be connected to the internet to use FlightCharts.

An error message appears if you did not insert a properly formatted microSD card into your computer.

If you did insert a properly formatted microSD card, a prompt appears: **Select microSD Card**.

2. Click the appropriate microSD card.
3. Click **Select**

The FlightCharts interface opens.
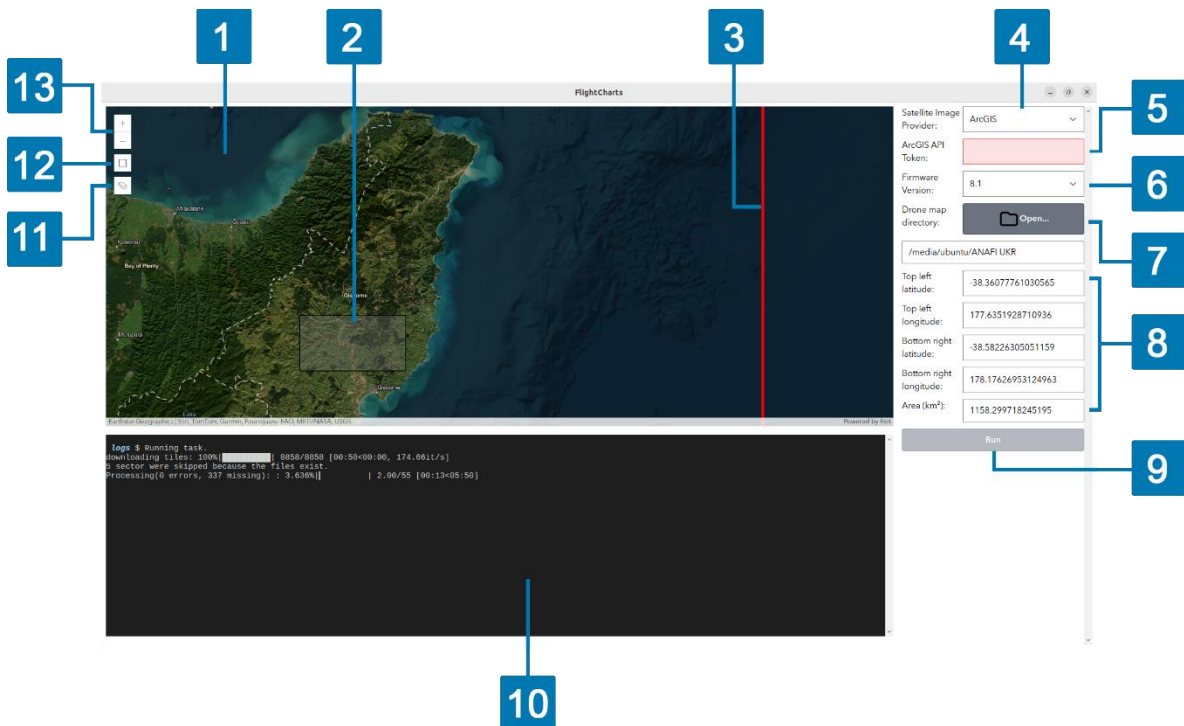
Figure 18: FlightCharts interface

1. Satellite basemap
2. Selected features bounding box
3. 180th Meridian line
4. **Satellite Image Provider** menu
5. API token
6. Drone software version
7. **Open** drone map directory button

8. Selected features geographic information
9. **Run** button
10. Logs
11. **Clear selection** button
12. **Select features by rectangle** button
13. **Zoom in / Zoom out** buttons

IMPORTANT: The FlightCharts interface uses satellite tiles from ArcGIS© or from Google©.

To create a map for ANAFI UKR:

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1. Choose either ArcGIS or Google Map Tiles for the **Satellite Image Provider** (No. 4)
2. Click the **Select features by rectangle** button (No. 12)
3. In the satellite basemap interface, drag a rectangle over the area that you want to create a map for.

You can resize and move the bounding box.

NOTE: It is not possible to create a map over the 180th Meridian line (No. 3).

The geographic information (No. 8) for the bounding box you created displays on the right-hand side:

- Top left latitude
- Top left longitude
- Bottom right latitude
- Bottom right longitude
- Area (km^2)

4. Choose your drone version number.
5. Click **Run** (No. 9)

The logs box indicates the **downloading tiles** progress, and then the files **processing**, both as a percentage. The larger the area of the bounding box you create in step 2, the longer the compute time.

The information saves automatically to the microSD card. The folder contains:

- **ANAFI UKR-8.1** folder, which contains:
  - The binary files corresponding to the encoded satellite images.
  - A GeoJSON file which enables FreeFlight 8 to indicate the areas covered by satellite maps
- **maps_update** - A compressed (zipped) folder required to load binary maps to the drone.

You may also have text documents detailing download errors, or missing tiles. In case of any errors, contact your Parrot reseller.

11.2.3. Installing maps on ANAFI UKR

1. Remove the microSD card from the computer.
2. Insert the microSD card into ANAFI UKR
3. Press ANAFI UKR's power button to switch on the drone.

The contents of the microSD card copy to ANAFI UKR's internal memory automatically.

The arm LEDs flash red one after the other to indicate that the copying process is in progress:

LED 1	LED 2	LED 3	LED 4	LED BLINK SPEED
🔴	⊘	⊘	⊘	200 ms blink delay
⊘	🔴	⊘	⊘	200 ms blink delay
⊘	⊘	🔴	⊘	200 ms blink delay
⊘	⊘	⊘	🔴	200 ms blink delay

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NOTE: ANAFI UKR's internal memory is 512 GB. Storing maps on the internal memory reduces the available space for recording videos or images.

4. Wait for the drone calibration to complete.

The transfer speed depends on the UHS speed class of the microSD card. With a microSD card with a UHS-1 speed class, you can expect transfer speeds of up to 6 GB per minute.

6. Open FreeFlight 8
7. Tap **Settings**.
8. Tap **Maps**.
9. Under **Interface**, for **Display area covered by GPS denied maps**, tap **See on map**.

12.   Maintenance and troubleshooting

This section describes basics procedures to maintain your drone and troubleshoot most issues you may encounter using ANAFI UKR. In addition, drone and controller reset procedures can be useful before a change of operator or operating structure.

12.1.   Changing propeller blades

TIP: Replace propeller blades if they sustain even minor contacts with the environment. Replace propeller blades every 100 flight hours, as part of scheduled maintenance.

ANAFI UKR propeller blades can be replaced, instantly without tools. Follow this procedure to replace a propeller blade:

1. Unfold the arm that supports the blades which require replacement.
2. Hold the motor (round rotating part) of the propeller between your left thumb and index finger.
3. Unfold the blades.
4. Pinch the propeller hub (between the blades) with your right thumb and index.

A. blades: unscrew used/damaged A blades (Front left & rear right) counterclockwise and screw new ones clockwise.
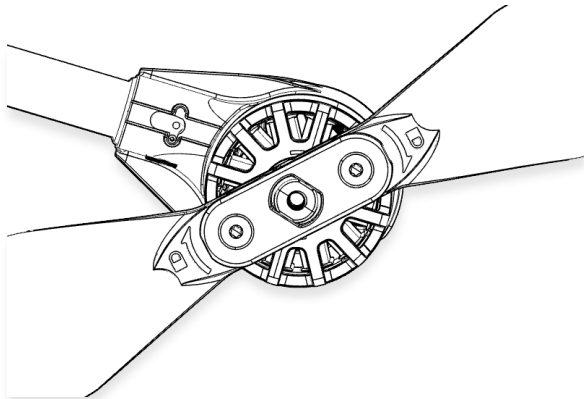
B. blades: unscrew used/damaged B blades (Rear left & front right) clockwise and screw new ones counterclockwise.
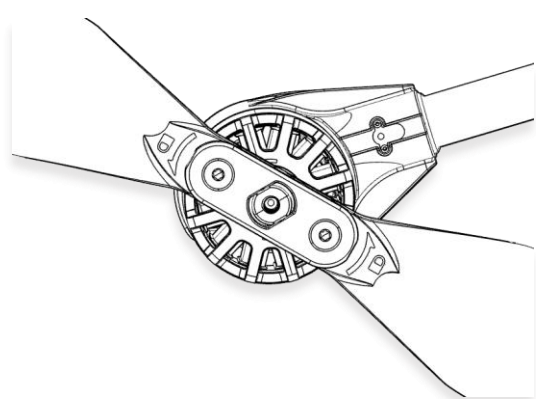
Figure 19: ANAFI UKR propeller attachment direction

Ensure that your blades respect the following diagram before setting up ANAFI UKR for its next flight.
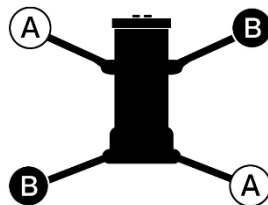
NOTE: The propellers are foldable and so it is not necessary to remove the propellers once they are screwed on. Removing the propellers regularly may impact the thread lock, and therefore the propeller assembly fixation quality.

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12.2. ANAFI UKR drone hard reset

Hard resetting ANAFI UKR reverts the drone's most recent firmware to its original state. Parrot recommends the drone hard reset as a first intent procedure for several issues, notably gimbal calibration troubles. It cleans all media, logs and credentials from the drone. For this reason, ensure that you back up all your Drone memory FreeFlight 8 media before resetting ANAFI UKR.

To reset ANAFI UKR, power off the drone. Then, press and hold the drone's ⏻ **Power** button until the leftmost LED flashes red/green, then release the button immediately.

The drone reboots. The reset is successful.

The same procedure can be performed through the **Reset factory settings** button of ANAFI UKR's page, in FreeFlight 8.

12.3. ANAFI UKR's smart battery hard reset

A hard reset of ANAFI UKR's battery can correct battery issues. Parrot recommends a battery hard reset whenever the battery's behavior is unexpected.

Follow this procedure to hard reset the smart battery:

1. Connect the smart battery to a power source.
2. Regardless of the battery's behavior, press and hold its power button for 15 seconds.
3. Release the ⏻ **Power** button.

The hard reset is successful if the battery's first LED alternates green and red, the other LEDs flash one after the other.

The battery's hard reset is complete.

TIP: Replace smart batteries after 300 charge/discharge cycles to ensure lasting performance.

12.4. Webserver

ANAFI UKR has a webserver feature. This feature allows the user to access additional information, and additional options for the drone.

Access to the webserver requires:
- A computer
- An internet browser
- A USB-C to USB-A cable

To access the ANAFI UKR webserver:

1. Power on ANAFI UKR
2. Connect ANAFI UKR to a computer with a USB-C to USB-A cable

NOTE: Ensure that the USB-C cable is connected to the USB-C port located underneath ANAFI UKR. Do not use the USB-C port on the smart battery.

3. Open a web browser on your computer.
4. In the browser's address bar, enter the following IP address:

192.168.43.1

IMPORTANT: Ensure that the browser does not add *https://* before the IP address. Using *http://* is sufficient.

The webserver interface opens:
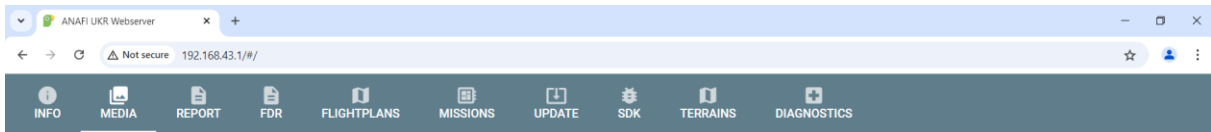
Figure 20: ANAFI UKR webserver interface

Click 1 of the 10 tabs to display additional information about ANAFI UKR, or have additional options:

- **INFO**
- **MEDIA**
- **REPORT**
- **FDR**
- **FLIGHTPLANS**

- **MISSIONS**
- **UPDATE**
- **SDK**
- **TERRAINS**
- **DIAGNOSTICS**

12.5.   Offline drone firmware update

If the device is to be operated strictly offline, an alternative offline update procedure is available. Your Parrot reseller can provide you with the update file to be saved on and executed on the device.

Perform an offline update via the webserver feature. To access the webserver, connect ANAFI UKR to a computer with a USB-C to USB-A cable.

On the webserver:

1. Click on the **UPDATE** tab
2. Select the update file.

12.6.   Update via drone internal storage

1. Power on ANAFI UKR.
2. Connect ANAFI UKR to a computer with a USB-C to USB-A cable.
3. On the computer, open the file explorer.
4. Click **ANAFI UKR**
5. Click **Internal**
6. Copy the update file archive to the root of internal folder.

Important: The update file must be called **anafi3-classic.tar.gz**

7. Power off ANAFI UKR.
8. Disconnect ANAFI UKR from the computer.
9. Power on ANAFI UKR again.

The drone automatically restarts and performs the update. The update process lasts approximately 3 minutes.

10. When the update is complete, check the firmware version.
11. Follow steps 1 – 4 again.

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12. On the computer file explorer, right-click on the device. A menu opens.
13. Click **Properties**.

12.7.   Update via external storage

1. Format the MicroSD card via FreeFlight 8
2. Insert the MicroSD card into a computers card reader.
3. Copy the update file archive to the root of MicroSD card.

Important: The update file must be called **anafi3-classic.tar.gz**

Ensure that ANAFI UKR is powered off.

4. Insert the MicroSD card into ANAFI UKR's MicroSD card slot. Refer to *chapter 9.3. Installing a microSD card* for more information.
5. Power on ANAFI UKR.

The drone automatically performs the update. The update process lasts approximately 3 minutes.

12.8.   Imaging metadata

Photos produced by Parrot drones embed both standard and custom metadata, including image capture and drone flight metadata, synchronized with the picture acquisition time, both in JPEG and DNG (raw) formats. For more information about photo metadata, refer to this link: https://developer.parrot.com/docs/groundsdk-tools/photo-metadata.html

Videos produced by Parrot drones, embed both the streamed and the recorded video metadata that are publicly accessible, allowing advanced processing from aerial videos. For more information about video metadata, refer to this link: https://developer.parrot.com/docs/groundsdk-tools/video-metadata.html

12.9.   Ecosystem logs for technical support

You must provide Parrot with the drone and controller logs to receive technical support. For more information, contact sav@parrot.com

Follow this procedure to download the ANAFI UKR logs:

1. Connect ANAFI UKR to a PC with 1 of the enclosed USB-C to USB-C cables
2. Power on the drone
3. In the PC file explorer, double-click **ANAFI UKR**
4. Double-click the **log** folder
5. Copy all the available data from the **log** folder

12.10. Recover ANAFI UKR

In the event of a hazardous situation, follow this procedure:

1. Press ⌂ **RTH** on the Skycontroller UKR to cause the drone to return to its home position.
2. If the drone does not return, attempt to initiate an automatic landing by pressing the ⬆ **Take-off/Land** button on the Skycontroller UKR.
3. Try to locate the ANAFI UKR position.
4. Ensure that this event does not cause a subsequent hazardous situation based on its last known position.

WARNING: If there is a reasonable expectation that the loss of control will cause injury to a person, contact the emergency services. Hazardous circumstances may result in a situation where normal use of ANAFI UKR is not respected. Read and respect the operational requirements described in appendix 1: Operational checklist.

12.10.1. Drone RTH trajectory

The trajectory the drone will follow during the RTH not only depends on the RTH and Safety settings, but also on the drone position and altitude at the moment the RTH is initiated.

- If the drone is at a horizontal distance lower than 5 m from the Home position at the moment the RTH is initiated, then the drone will not move horizontally. It will adjust its altitude depending on the **End by** and **Hovering** settings.
- If the drone is at a horizontal distance higher than 5 m from the Home position at the moment the RTH is initiated, then the drone will fly autonomously to reach the Home position.
    - If the drone is flying at an altitude higher than the RTH altitude setting: it will fly straight towards the point located on top of the Home position at an altitude equals to RTH altitude setting
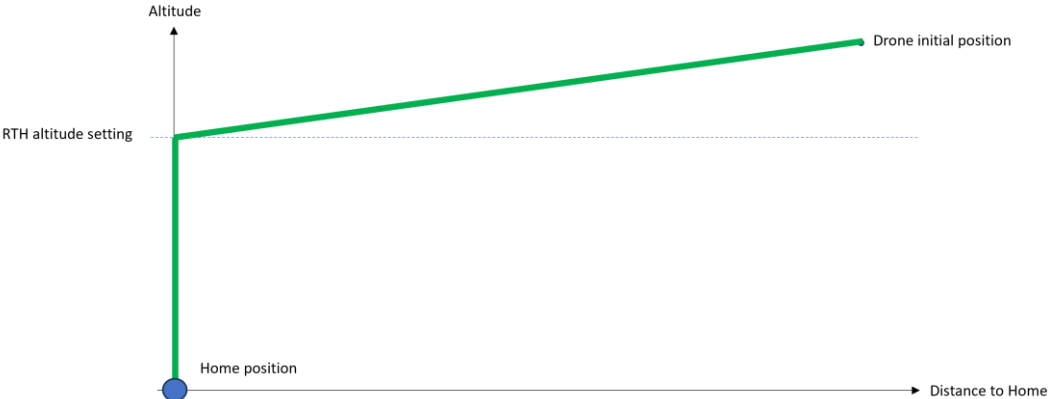
- If the drone is flying at an altitude lower than the RTH altitude setting: it will first fly upwards to reach the RTH altitude, and then fly horizontally to reach the Home position

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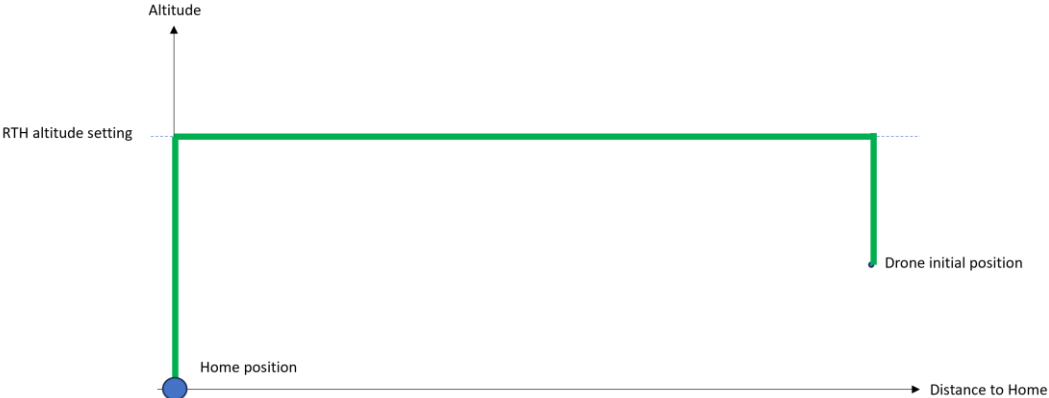
- In case the distance to Home is less than half of the RTH altitude setting the RTH trajectory is modified so that the drone avoids flying at high altitude at a close distance from its Home position:
  - Altitude > (distance / 2)
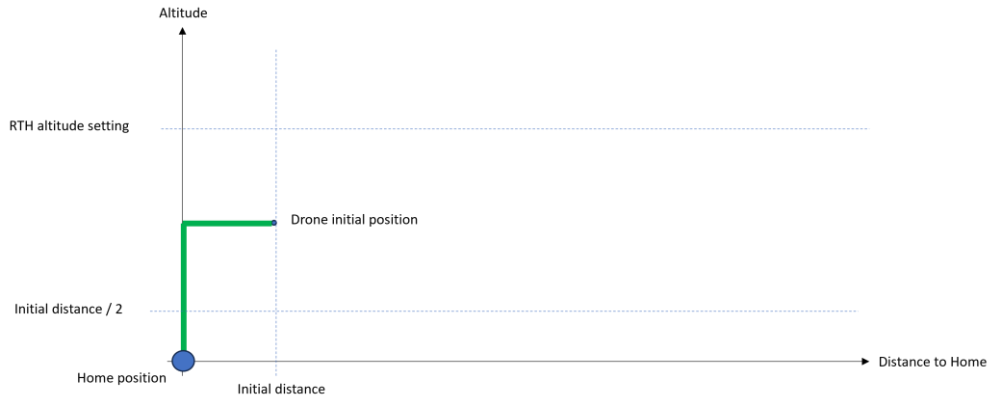
  - Altitude < (distance / 2)
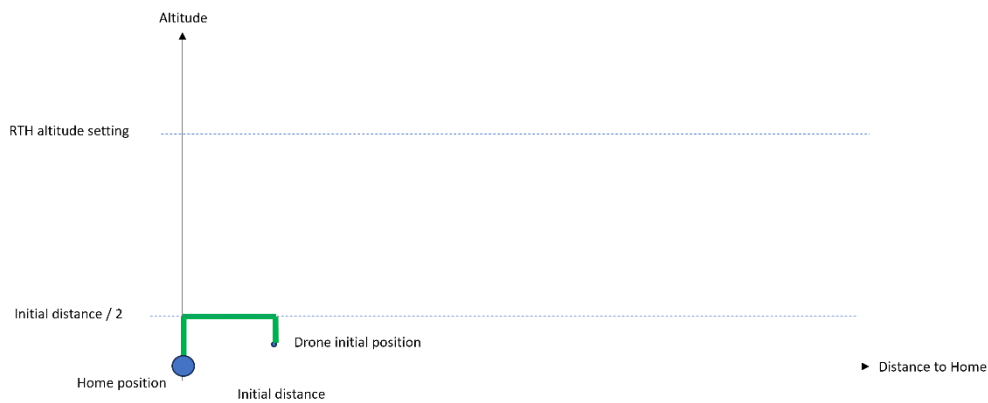
12.11. Drone end of service life

Refer to the flight safety guide manual (available upon request) to find complementary information on how to recycle this product.

The propeller blades and the carry box are made of plastic, they can be disposed of in a recycle bin.

All the electronic devices (ANAFI UKR, Skycontroller UKR, smart battery) must be returned to a collection point (e.g. stores, recycling center) to be recycled. It is indicated by the following logos:

13.   Appendix 1: Operational Checklist

13.1.   Update & calibration

Tablet	SYSTEMATICALLY UP TO DATE
FreeFlight 8	SYSTEMATICALLY UP TO DATE
Skycontroller UKR	SYSTEMATICALLY UP TO DATE
ANAFI UKR	SYSTEMATICALLY UP TO DATE
Magnetometer calibration	OK
Cursor on Target calibration	OK
Thermal calibration	OK
Skycontroller UKR calibration	OK
Gimbal calibration	OK
Horizon calibration (exceptional)	OK

IMPORTANT: Parrot strongly recommends that you regularly refer to the Release Notes ANAFI UKR available upon request, to ensure that you have the latest versions of the drone and controller firmware, and FreeFlight 8 App.

13.2.   Skycontroller UKR and ANAFI UKR off

Arms	Unfolded, locked
Gimbal protective cover	Removed
Check propellers	Intact, free, fully screwed on.
Check Skycontroller UKR battery	100% charged.
ANAFI UKR battery	Intact, locked in place, 100% charged.
ANAFI UKR battery LED	4 x OK
ANAFI UKR battery temp	Within operational range
Tablet battery	OK, 100% charged.

13.3.   Skycontroller UKR and ANAFI UKR on

Skycontroller UKR	On
ANAFI UKR	On, gimbal stabilization OK
Skycontroller UKR / ANAFI UKR radio link	Connected
Tablet	On
Tablet / Skycontroller UKR USB connection	OK
FreeFlight 8	launched
Left trigger moves gimbal	OK
Image feed & telemetry	OK
Mission Mode	Set
RTH parameters	Set
Max altitude/Max distance	Set
Image settings	Set
Check joystick Mode	Inverse / Default
Map on FreeFlight 8	OK
Obstacle avoidance	Set
GNSS settings	Set
Global reactivity	Set
Camera tilt speed	Set
Inclination	Set
Vertical speed	Set
Rotation speed	Set

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13.4.   Before Take-off

Weather	Checked and OK
Take-off Zone	Clear
Drone status	Check
Take-off/Land command	Take-off

13.5.   After Take-off

Precise Home Set	OK
Check flight commands	OK
Check gimbal	OK
Video feed	OK
Video latency	OK
Drone status	Check

13.6.   Before landing

Weather	OK
Landing Zone	Clear
Drone status	Check
Take-off/Land command	Land

13.7.   After landing

Check engines off	OK
Drone status	Check
Skycontroller UKR	Off, stored away
Tablet	Off
ANAFI UKR battery	Off
Check drone/gimbal/propellers	OK
Gimbal protective cover	Installed
ANAFI UKR arms	Folded
ANAFI UKR drone	Stored away

14.   Appendix 2: System data

PRODUCT	TYPE OF FILES	PATH	DATA PROTECTION
DRONE	Recorded media	internal/DCIM/	Storage encryption possible via FreeFlight 8
	Drone full logs	log/FDR/	File encrypted
	Drone light logs	log/fdr-lite/	File not recorded when in private mode
	Sensor images (FCR)	log/FCR/	None
	User GPS Denied maps	internal/maps/	None
	User Elevation (DTED) maps	internal/terrain/	None
DRONE SD CARD	Recorded media	DCIM/	Storage encryption possible via FreeFlight 8
CONTROLLER	Controller full logs	logs/	File encrypted
ANDROID DEVICE	Media Gallery Thumbnails (cache)	Android/data/com.parrot.freeflight8/cache/thumbnails/	Android device can be password protected
	Media downloaded from drone memory	DCIM/Parrot/Medias/<drone_serial>/Flights/<date_time>/	Android device can be password protected
	Stream recordings	DCIM/Parrot/Recordings/<date_time>/	Android device can be password protected
	Screenshots	DCIM/Screenshots/	Android device can be password protected
	User Offline maps	Android/data/com.parrot.freeflight8/files/OfflineMaps/	Android device can be password protected

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15.   Appendix 3: Disclaimer

1. ANAFI UKR IS NOT A TOY and must not be used or handled by persons under the age of 18 years.

2. BEFORE USING ANAFI UKR:

   (A) CAREFULLY READ the user guide and all information and documentation available upon request. Documentation is subject to change and may be updated at any time and without prior notice (hereinafter referred to as "Parrot Documentation"). SPECIAL ATTENTION must be given to the paragraphs marked: **WARNING, CAUTION, IMPORTANT**.

   (B) Ensure that the complete drone ecosystem is up-to-date. Parrot regularly releases firmware updates for:
   - FreeFlight 8
   - ANAFI UKR
   - Smart Battery
   - Skycontroller UKR

Updates add new features, improve stability, and performance of the complete system. Updates are mandatory and must be systematically performed prior to any flight to ensure maximum performance and safety. Flying with a non-up-to-date system may impact warranty rights and jeopardize safety requirements.

Due to continuous improvement, the screenshots in this user guide may differ to the user interface you see on the FreeFlight 8 version installed on your Skycontroller UKR. The most up-to-date version of the user guide is available on request.

   (C) ENSURE YOU ARE AWARE OF THE REGULATIONS APPLICABLE TO THE USE OF DRONES AND THEIR ACCESSORIES (hereinafter referred to as "Applicable Regulations");
   (D) REMEMBER that ANAFI UKR may expose others and yourself to EQUIPMENT DAMAGE, PERSONAL INJURY, OR BOTH, which could result in serious harm or death.

3. All Parrot drones must always be used with genuine Parrot smart batteries. Non-genuine batteries are forbidden, and their use will void the warranty, and impact safety requirements.

4. All Parrot drone systems include a charger. This is the only recommended chargers to use to charge your Parrot drone's Smart Battery and Skycontroller UKR. Other generic USB chargers may be used provided that they are certified according to the country of use and have the applicable rating/specification. Performance and warranty are only guaranteed when using a genuine charger included in the Parrot drone system. Parrot takes no responsibility (warranty or safety) for third party USB chargers being used with a Parrot system.

5. Videos and photos promoted and advertised by Parrot Drones SAS and its affiliates have been made by and with experienced professionals and drone pilots. IN CASE OF DOUBT RELATING TO THE USE OF YOUR ANAFI UKR DRONE AND ITS ACCESSORIES, ALWAYS REFER TO THE MOST RECENT VERSION OF THE PARROT DOCUMENTATION.

6. Ensure that all calibrations are performed.

IMPORTANT: ANAFI UKR's warranty is void if you fly the drone without the required calibrations.

7. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, PARROT DRONES SAS, ITS SUBSIDIARIES, AND THEIR RESPECTIVE DISTRIBUTORS AND RESELLERS SHALL NOT BE LIABLE FOR ANY DAMAGES ARISING FROM, OR IN CONNECTION WITH NON-COMPLIANCE OF PARROT DOCUMENTATION OR THE APPLICABLE REGULATIONS BY YOURSELF OR ANY PERSON USING YOUR ANAFI UKR.

WARNING: Avoid touching the motors immediately after flight. ANAFI UKR's motors may become hot after a full flight, and touching the motors may result in burns. Allow the motors to cool down before touching.

8. 3rd party licenses

IMPORTANT: It is the user's responsibility to ensure they have the correct licenses and/or subscriptions.

The FlightCharts interface uses satellite tiles from ArcGIS© or from Google©.

ArcGIS is a geographic information system (GIS) software developed and owned by Environmental Systems Research Institute Inc. ("Esri"), a California corporation with a place of business at 380 New York Street, Redlands, California 92373-8100, USA.

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