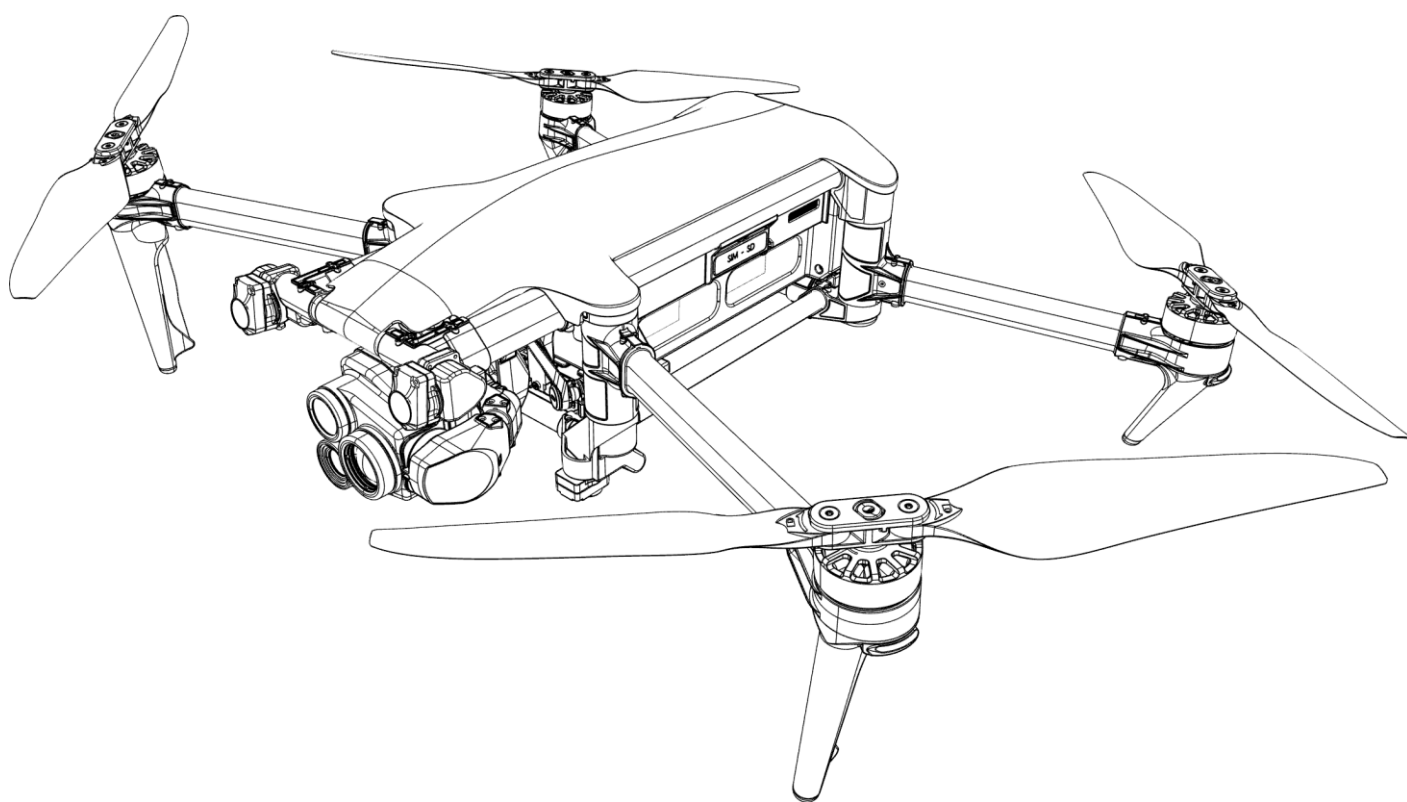


ANAFI UKR

User Guide



Version: 8.3.4.0

Updated: January 29th, 2026

Parrot

1. Documentation changelog

This section details the major changes to Parrot's technical documentation since version 8.3.3.1 released on January 12th, 2026.

What changed	Where
<i>Ecosystem versions</i> subchapter updated.	Page 2
<i>ANAFI UKR aircraft</i> chapter updated.	Page 19
<i>Standard battery installation</i> subchapter updated.	Page 25

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	8.3.4
Sphinx simulator	2.23.0
FlightCharts	8.3.0

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 & 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 4, 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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4. Foreword

ANAFI UKR is designed and optimized to fly without additional accessories. If you install an accessory, its size, mass, or power consumption can change the drone's performance. These changes can affect many performance parameters, including but not limited to aerodynamics, autonomy, flight stability, radio link, and 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. Do not block or obstruct in any way the front stereo cameras, the bottom stereo cameras, or the Time-of-Flight sensor. Any obstruction of the sensors, even partial obstruction of the field of view may cause ANAFI UKR to read false data, to have erratic flight behavior, resulting in a crash. The required Field of View for the stereo cameras and the Time-of-Flight sensor is 86° (2x43°). Do not put any object under the Time-of-Flight sensor. Keep a clear cylindrical exclusion zone with a diameter of 4 cm directly below the sensor.

Parrot recommends that you do not attach a payload to ANAFI UKR's top cover. Payloads attached to the top cover can impede or degrade GNSS/IMU performance.

4.1. ANAFI UKR ecosystem and variants

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

This user guide documents 4 Parrot aircraft ecosystem variants:

- ANAFI UKR
- ANAFI UKR GOV
- ANAFI UKR XLR
- ANAFI UKR Mission

Available radios, and radio bands depend on individual configurations.

4.2. Overhead power lines and pylons

Flying close to power installations may impact the behavior of ANAFI UKR. Higher voltage and/or current creates higher electromagnetic interference, which can affect the aircraft's 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: Obstacle avoidance may not work optimally during indoor flight.

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

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 visual odometry algorithm. Suboptimal conditions such as non-textured, or poorly illuminated ground may cause ANAFI UKR to drift.

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.

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

5.1. ANAFI UKR

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: 1,024 g (2.26 lb)
- Maximum take-off mass (MTOM): 1,450 g (3.20 lb)
- Maximum transmission range (*LOS – Line of Sight*) with Skycontroller UKR:
 - MARS: 40 km (24.85 mi)
 - LoRa: 40 km (24.85 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^[1]
- Maximum horizontal airspeed: 17 m/s (38.1 MPH)
- Maximum horizontal ground speed: 29.6 m/s (66.2 MPH)^[2]
- 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^[3]
- 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: 2.7
- 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
- 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

[1] Extreme temperatures, or suboptimal conditions may affect maximum range, battery autonomy, and drone speed.

[2] 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.

EO IMAGE CHAIN

- 2x Sensors: 1/2.4"
- Digital zoom: 35x
- Electronic shutter speed: 1/25 s to 1/10,000 s
- ISO range: 100-12,800
- 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
- Resolution: 640x512
- 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°

STANDARD 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

RADIO LINK

- MARS
 - Over 1.5 GHz bandwidth spread across 8 bands 1.8 – 5 GHz^[4]
 - TX & RX differentiated frequencies
 - Radio-jamming resistance through Frequency hopping
 - Direct video stream resolution: 1080p 30 fps
 - AES 256 encryption: packet and radio level
- LoRa:
 - Activates when main link is lost
 - AES 128 and ChaCha20 encryption
 - Frequency bands: EU - 863 to 870 MHz, US - 902 to 928 MHz

CARRY CASE

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

[3] 77 dBA is the guaranteed sound power level, however, in typical flight conditions ANAFI UKR has a sound power level of 75 dBA.

[4] Available bands depend on individual configurations.

5.2. ANAFI UKR GOV

AIRCRAFT

- Size folded: 245 x 160 x 116 mm (9.6 x 6.3 x 4.6")^[1]
- Size unfolded: 350 x 665 x 116 mm (13.8 x 26.2 x 4.6 ")
- Mass:
 - With standard smart battery: 1,024 g (2.26 lb)
 - With XLR smart battery: 1,356 g (2.99 lb)
- Maximum take-off mass (MTOM): 1,450 g (3.20 lb)
- Maximum transmission range (LOS – Line of Sight) with Skycontroller UKR:
 - Wi-Fi: 5 km (3.11 mi)
 - LoRa: 40 km (24.85 mi)
 - 5G: Unlimited (provided there is 5G coverage)
- Maximum flight time: 70 min at 6.5 m/s airspeed
- Maximum flight distance: 40 km (24.85 mi) at 14 m/s airspeed^[2]
- Maximum horizontal airspeed: 17 m/s (38.1 MPH)
- Maximum horizontal ground speed^[3]:
 - With standard smart battery: 29.6 m/s (66.2 MPH)
 - With XLR smart battery: 28.6 m/s (64.0 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^[4]
- 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: 2.0
- 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
 - SIM card port
 - 512 GB internal memory
- Deployment time: < 2 min

SENSORS

- Satellite navigation:
 - GPS
 - GLONASS
 - Galileo
 - BeiDou
- Barometer
- 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

[1] Folding is not possible with the XLR smart battery installed.

[2] Extreme temperatures, or suboptimal conditions may affect maximum range, battery autonomy, and drone speed.

[3] 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

EO IMAGE CHAIN

- 2x Sensors: 1/2.4"
- Digital zoom: 35x
- Electronic shutter speed: 1/25 s to 1/10,000 s
- ISO range: 100-12,800
- 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
- Resolution: 640x512
- 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°

STANDARD 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

XLR SMART BATTERY^[5]

- Size: 156 x 105 x 49 mm (6.1 x 4.1 x 1.9")
- Mass: 686 g (1.51 lb)
- Type: High density Li-ion (300 Wh/kg)
- Capacity: 20,200 mAh
- Voltage (nominal): 10.20 V (3 x 3.40 V cells)
- USB-C port
- Charges fully in 5 h 15 min with a USB-PD (Power Delivery) charger included in the pack
- Maximum charging power: 45 W

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

- Wi-Fi:
 - Wi-Fi 802.11ax
 - Direct video stream resolution: 1080p 30 fps
 - AES 256 encryption: Packet and radio level
 - Operating frequencies: 2.4 GHz, 5GHz UNII-1, & UNII-3
- LoRa:
 - Activates when main link is lost
 - AES 128 and ChaCha20 encryption
 - Frequency bands: EU - 863 to 870 MHz, US - 902 to 928 MHz
- Cellular:
 - Cellular connectivity: 5G NR with 4G LTE fallback
 - AES 256 encryption: Packet level
 - Seamless 5G / Wi-Fi switching
 - Flies Beyond Visual Line of Sight

km is maximized.

[4] 77 dBA is the guaranteed sound power level, however, in typical flight conditions ANAFI UKR has a sound power level of 75 dBA.

[5] Only available for ANAFI UKR XLR, and ANAFI UKR GOV

5.3. ANAFI UKR XLR

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- Size folded: 245 x 160 x 116 mm (9.6 x 6.3 x 4.6")^[1]
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- Maximum take-off mass (MTOM): 1,450 g (3.20 lb)
- Maximum transmission range (*LOS – Line of Sight*) with Skycontroller UKR:
 - MARS: 40 km (24.85 mi)
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 - 5G: Unlimited (provided there is 5G coverage)
- Maximum flight time: 70 min at 6.5 m/s airspeed
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- Maximum horizontal ground speed^[3]:
 - Standard smart battery: 29.6 m/s (66.2 MPH)
 - XLR smart battery: 28.6 m/s (64.0 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 ^[4]
- 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: 2.0
- 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
 - SIM card port
 - 512 GB internal memory
- Deployment time: < 2 min

SENSORS

- Satellite navigation:
 - GPS
 - GLONASS
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- Front stereo cameras, vertical stereo cameras and vertical range sensor
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EO IMAGE CHAIN

- 2x Sensors: 1/2.4"
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- Electronic shutter speed: 1/25 s to 1/10,000 s
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- 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;
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- 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

XLR SMART BATTERY ^[5]

- Size: 156 x 105 x 49 mm (6.1 x 4.1 x 1.9")
- Mass: 686 g (1.51 lb)
- Type: High density Li-ion (300 Wh/kg)
- Capacity: 20,200 mAh
- Voltage (nominal): 10.20 V (3 x 3.40 V cells)
- USB-C port
- Charges fully in 5 h 15 min with a USB-PD (Power Delivery) charger included in the pack
- Maximum charging power: 45 W

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

- MARS
 - Over 1.5 GHz bandwidth spread across 10 bands 1.8 – 5.85 GHz ^[6]
 - TX & RX differentiated frequencies
 - Radio-jamming resistance through Frequency hopping
 - Direct video stream resolution: 1080p 30 fps
 - AES 256 encryption: packet and radio level
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 - Activates when main link is lost
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 - Frequency bands: EU - 863 to 870 MHz, US - 902 to 928 MHz
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 - Cellular connectivity: 5G NR with 4G LTE fallback
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km is maximized.

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^[6] Available bands depend on individual configurations.

^[1] Folding is not possible with the XLR smart battery installed.

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^[3] 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

ANAFI UKR

DIMENSIONS

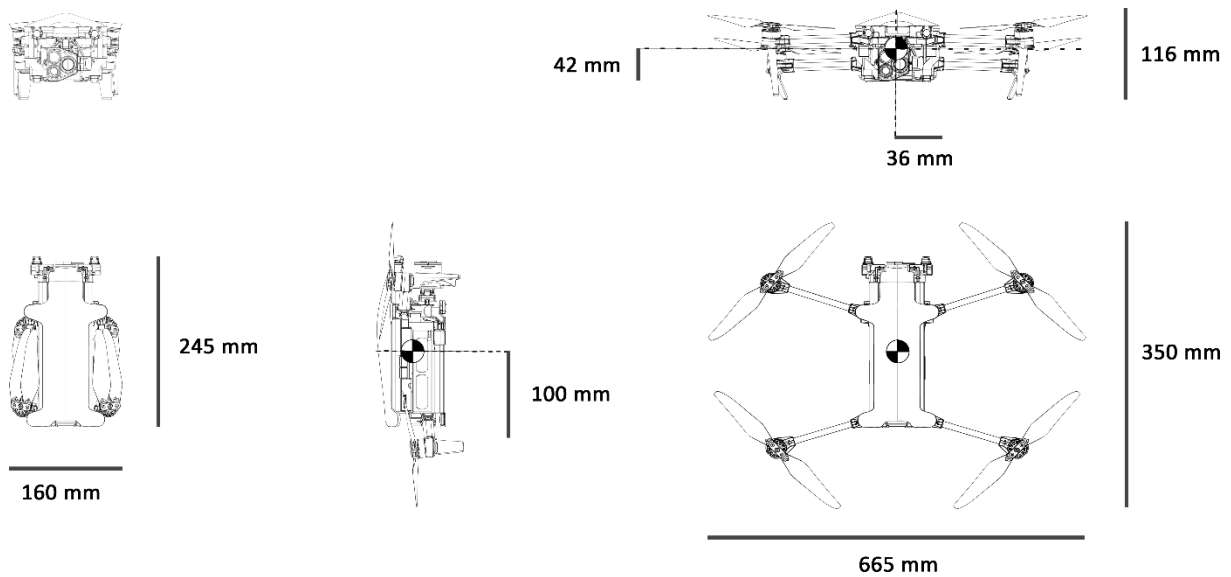


Figure 1: ANAFI UKR and ANAFI UKR GOV (standard smart battery) dimensions and center of gravity

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

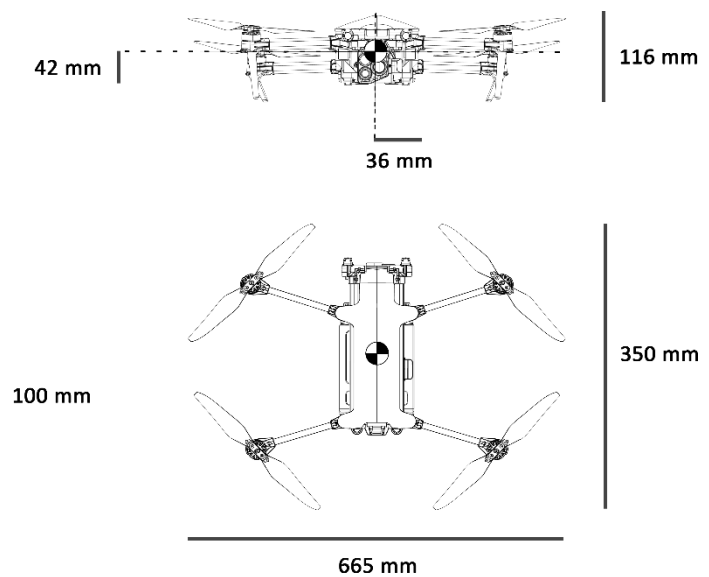


Figure 2: ANAFI UKR XLR (XLR smart battery) dimensions and center of gravity

6. Pack contents

6.1. ANAFI UKR

Your ANAFI UKR pack contains:

- 1 ANAFI UKR aircraft
- 1 Skycontroller UKR ground control station
- 1 ANAFI UKR Simulator and FlightCharts Live USB key
- 1 landing pad*
- 1 standard smart battery
- 1 standard smart battery adapter
- 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 3: ANAFI UKR system pack contents

**Subject to configuration.*

ANAFI UKR

6.2. ANAFI UKR GOV

Your ANAFI UKR GOV pack contains:

- 1 ANAFI UKR aircraft
- 1 Skycontroller UKR ground control station
- 1 ANAFI UKR Simulator and FlightCharts Live USB key
- 1 landing pad*
- 1 XLR smart battery
- 1 XLR smart battery interface
- 1 Standard smart battery adapter
- 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 4: ANAFI UKR GOV system pack contents

**Subject to configuration.*

6.3. ANAFI UKR XLR

Your ANAFI UKR XLR pack contains:

- 1 ANAFI UKR aircraft
- 1 Skycontroller UKR ground control station
- 1 ANAFI UKR Simulator and FlightCharts Live USB key
- 1 landing pad*
- 1 XLR smart battery
- 1 XLR smart battery interface
- 1 Standard smart battery adapter
- 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 5: ANAFI UKR XLR system pack contents

**Subject to configuration.*

6.4. ANAFI UKR Mission

Your ANAFI UKR Mission pack contains:

- 1 ANAFI UKR aircraft
- 1 Skycontroller UKR Mission ground control station
- 1 MARS Ranger remote antenna and tripod holder
- 1 ANAFI UKR Simulator and FlightCharts Live USB key
- 1 Ethernet cable (30 m)
- 1 landing pad*
- 3 standard smart batteries
- 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 6: ANAFI UKR Mission system pack contents

**Subject to configuration.*

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.

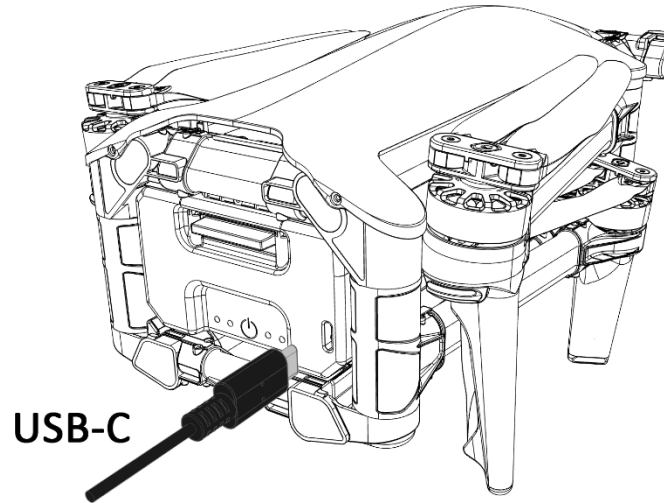


Figure 7: ANAFI UKR rear view ready for charging

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. Remove the gimbal protective cover.
3. Unfold ANAFI UKR's arms.
 - a. Unfold the front arms.
 - b. Unfold the rear arms.
 - c. Unfold the propellers

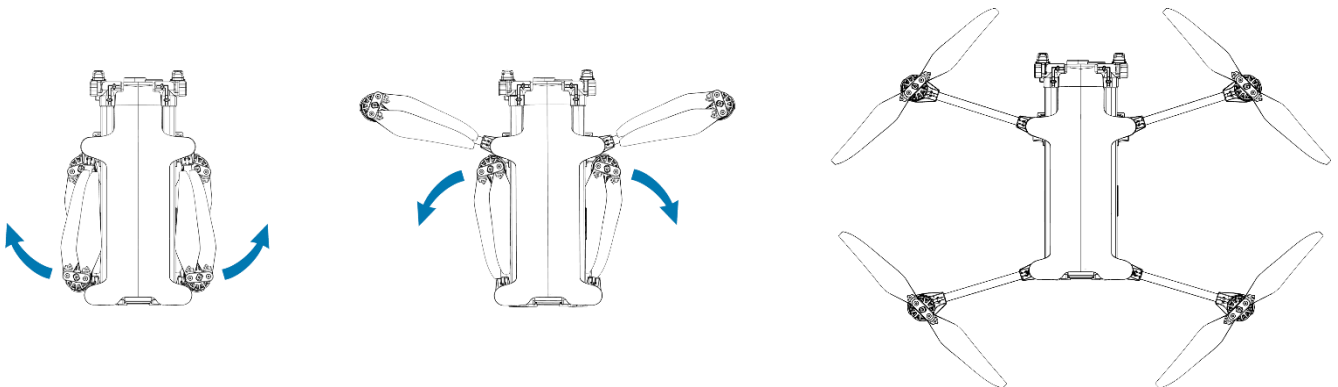


Figure 8: ANAFI UKR arm unfolding procedure

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

NOTE: To ensure optimal performance, 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

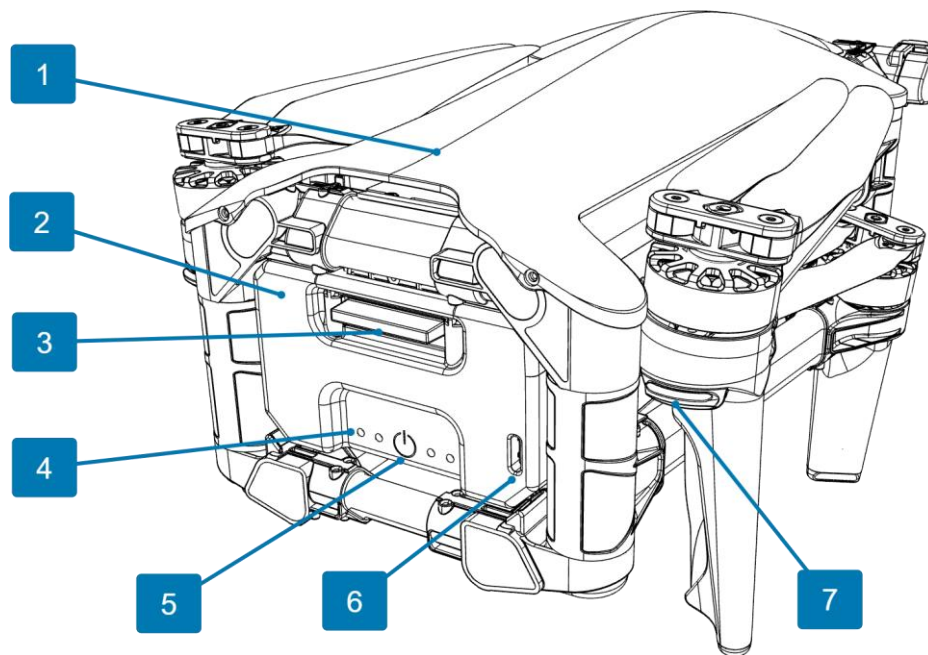


Figure 9: ANAFI UKR rear view folded

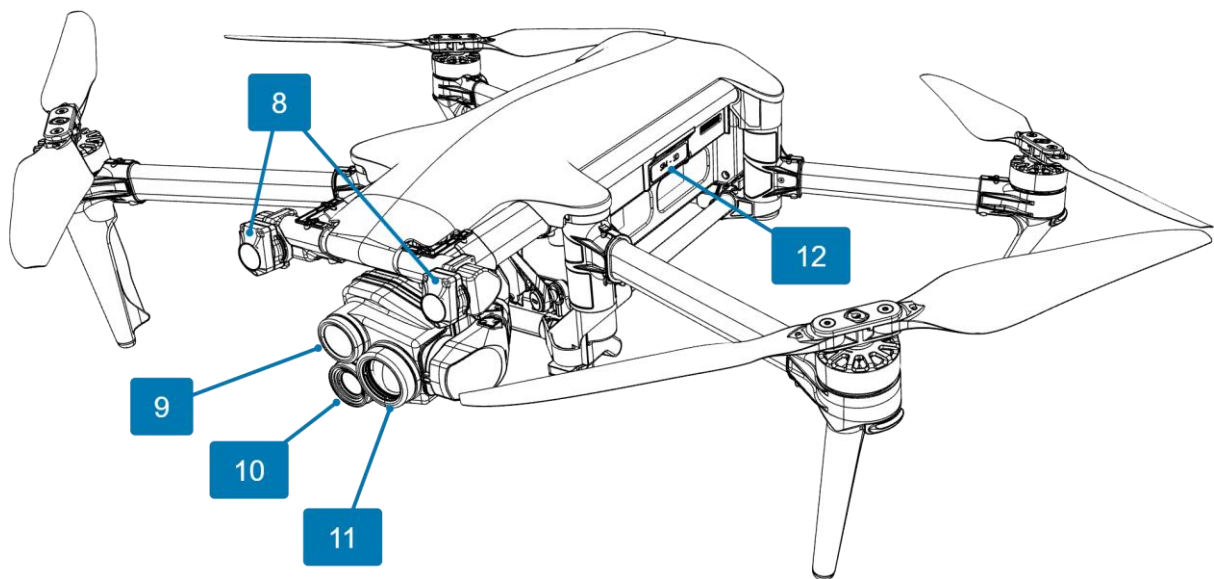


Figure 10: ANAFI UKR front view unfolded

- | | |
|---|-------------------------------------|
| 1. GNSS Antenna | 7. Arm LED (1 of 4) |
| 2. Standard smart battery | 8. Front stereo cameras |
| 3. Standard smart battery release latch | 9. 35x telephoto EO 4K camera |
| 4. Standard smart battery status LEDs | 10. Wide angle EO 4K camera |
| 5. Power button | 11. Thermographic FLIR boson camera |
| 6. Standard smart battery USB-C charging port | 12. MicroSD card and SIM card port* |

**depends on individual configurations.*

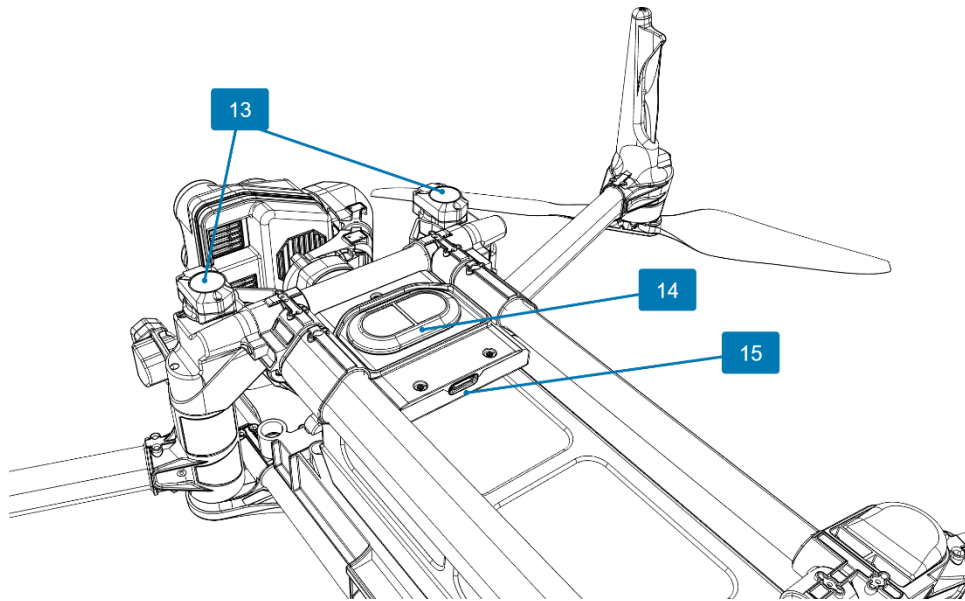


Figure 11: ANAFI UKR underside view

13. Bottom stereo cameras 15. Pairing/data USB-C port
14. Time of Flight (ToF) sensor

CAUTION: Do not alter the center of gravity of the drone. Do not block or obstruct in any way the front stereo cameras, the bottom stereo cameras, or the Time-of-Flight sensor. Any obstruction of the sensors, even partial obstruction of the field of view may cause ANAFI UKR to read false data, to have erratic flight behavior, resulting in a crash. The required Field of View for the stereo cameras and the Time-of-Flight sensor is 86° ($2 \times 43^\circ$). Do not put any object under the Time-of-Flight sensor. Keep a clear cylindrical exclusion zone with a diameter of 4 cm directly below the sensor.

-  Time of Flight sensor field of view
 Exclusion zone

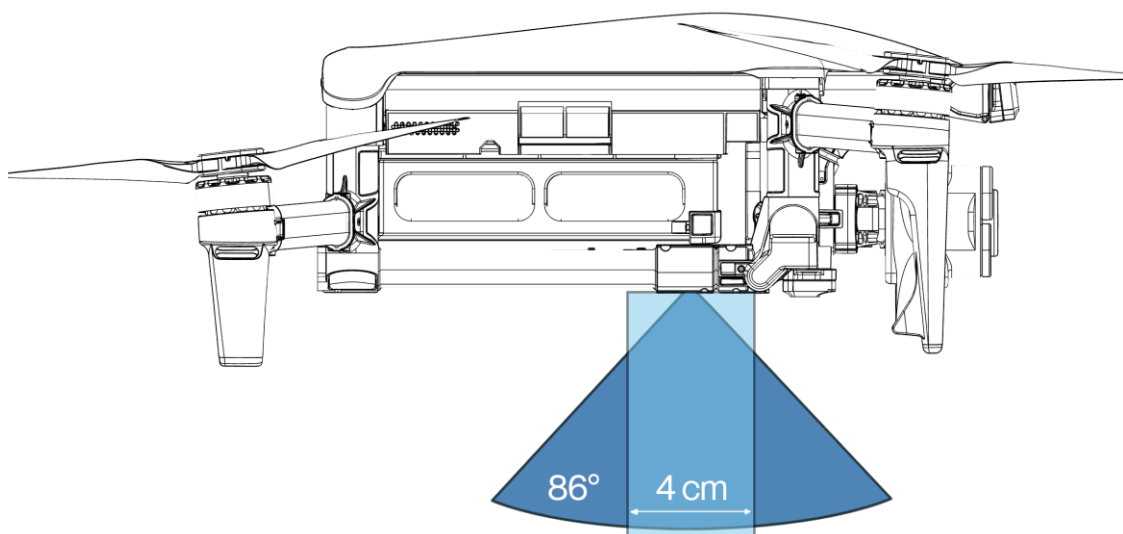


Figure 12: Time of Flight sensor Field of View and exclusion zone

CAUTION: If you must fly with a payload that interferes with the Time of Flight (ToF) sensor, Parrot recommends that you disable ANAFI UKR's ToF sensor. Refer to the Skycontroller UKR & FreeFlight 8 user guide (chapter: *Settings / Flight parameters*) for more information on how to disable the ToF sensor. Disabling the ToF sensor significantly affects the drone's behavior, especially below an altitude of 8 m. When the ToF sensor is disabled, ANAFI UKR relies only on vision-based flight algorithms. You must only fly with the ToF sensor disabled if you are an experienced pilot. This flight configuration requires extreme care, especially during descent and ground approach.

When the ToF sensor is disabled:

- Do not fly at night or in low-light conditions.
- Do not perform prolonged flights below an altitude of 8 m.
- Do not fly at high-speed close to or just above the ground.

Failure to follow these instructions can result in loss of control of ANAFI UKR.

A motor overheating alert appears in FreeFlight 8 if the aircraft motors reach a temperature of 130°C.

Motor temperature can increase in these conditions:

- When you fly the aircraft indoors. Indoor flight reduces the airflow around the motors.
- When you fly the aircraft with an external payload. A heavier payload increases motor temperature.
- When you fly the aircraft with an external payload that does not respect the aircraft's center of gravity. An incorrect center of gravity can overload 1 or more motors and cause overheating.
- When you fly the aircraft in conditions that cause high vibrations or oscillations.

To decrease the motor temperature:

- Increase the airflow around the motors. To do this, make the aircraft fly with roll or pitch movements.

If you cannot increase the airflow around the motors, land the aircraft.

Motor overheating does not occur, even with an external payload, if the aircraft airspeed is more than 6 m/s.

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.

9.1. Connectivity

ANAFI UKR has the following connectors:

- Nano SIM card port (*No. 12 in Figure 10*) - Used for 5G connectivity (ANAFI UKR GOV, and ANAFI UKR XLR only)
- MicroSD card port (*No. 12 in Figure 10*) - Used for external media storage.
- USB-C port (*No. 15 in Figure 11*) - 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. LEDs ensure ANAFI UKR's visibility, and help visualize the drone's orientation in flight. LED color patterns change depending on situation.

9.2.1. On the ground

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

Left and right LEDs flash in a 2-second cycle:

LEFT LEDS	RIGHT LEDS	LED DURATION
		0.3 seconds
		1.7 seconds

9.2.2. During flight

All LEDs flash in a 2-second cycle:

ALL LEDS	LED DURATION
	0.3 seconds
	1.7 seconds

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** in FreeFlight 8. For more information, refer to the Skycontroller UKR & FreeFlight 8 user guide (chapter: *Settings / Flight parameters*)

9.2.3. During an emergency

All LEDs flash in a 4-second cycle:

ALL LEDS	LED DURATION
	0.3 seconds
	1.7 seconds
	0.3 seconds
	1.7 seconds

9.2.4. Updating maps

All LEDs flash red rapidly in a 0.4-second cycle:

ALL LEDS	LED DURATION
	0.2 seconds
	0.2 seconds

9.3. Installing a nano SIM card/microSD card

This section explains how and where to install a nano SIM card and/or a microSD card in ANAFI UKR.

NOTE: A nano SIM card is required for 5G connectivity. 5G connectivity is only available on ANAFI UKR GOV, and ANAFI UKR XLR.

Inserting a microSD card into ANAFI UKR is optional, it is not required for normal flight.

When a microSD card is inserted, all media is saved to the card.

If no microSD card is inserted, or if the microSD card is full, media is automatically saved to the drone's internal memory.

The ANAFI UKR nano SIM card and microSD card slots are located on the left-hand side of the drone behind the **SIM - SD card cover**.

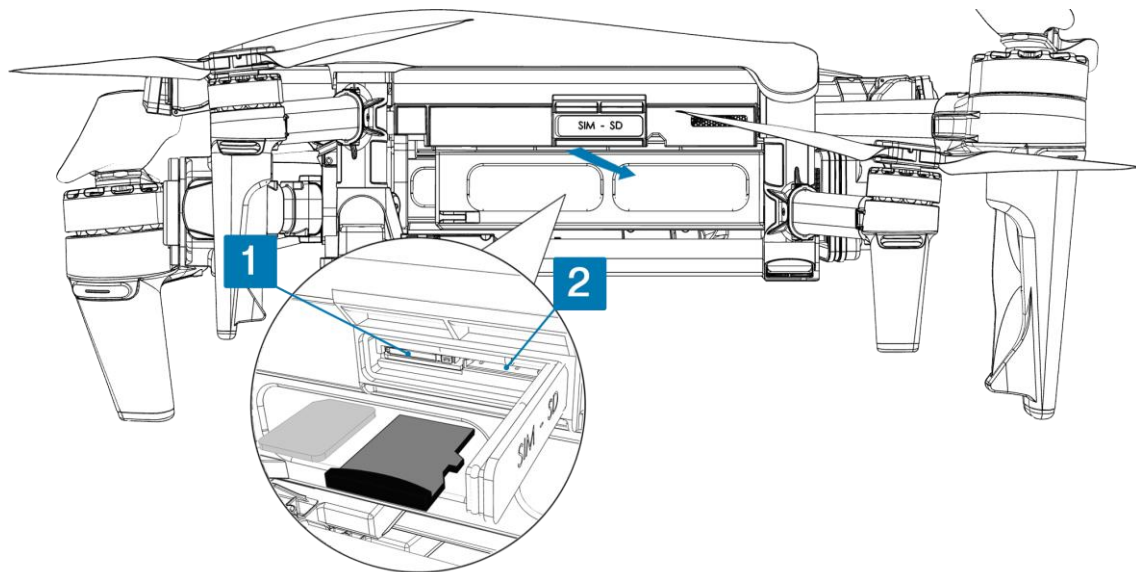


Figure 13: Nano SIM card/MicroSD card insertion

To install a nano SIM card/microSD card:

1. Open the **SIM - SD card cover** to expose the nano SIM card/microSD card slots.
 - a. Insert the nano SIM card into the left-hand keyed slot (No. 1 in Figure 13).
 - b. Insert the microSD card into the right-hand keyed slot (No. 2 in Figure 13).

The card slots make a slight click when the cards are properly inserted.

IMPORTANT:

- For the nano SIM card: the metal contacts must face the bottom of the drone, and the cutout must face the drone.
- For the microSD card: the metal contacts must face the bottom of the drone.

2. Close the **SIM - SD card cover**.

9.4. Compatible microSD cards

The following microSD cards have been tested with ANAFI UKR and are recommended for best performance:

- SanDisk Extreme Pro - 64 GB, 128 GB, 256 GB, 512 GB
- SanDisk Max Endurance - 32 GB, 64 GB, 128 GB
- SanDisk High Endurance - 64 GB, 128 GB
- Kingston Canvas Go! - 256 GB, 512 GB
- Lexar Silver Plus – 256 GB, 512 GB

NOTE: Other microSD cards may work, but cards with lower write speeds can lead to unreliable performance, particularly when recording video or capturing photos. Certain features, such as FlightCharts require a microSD card formatted by ANAFI UKR via the formatting procedure in FreeFlight 8. For more information, refer to the Skycontroller UKR & FreeFlight 8 user guide (chapter: *Settings / Storage*).

10. Smart battery

Users can charge the smart battery when installed on ANAFI UKR, or when removed from ANAFI UKR. Always use genuine Parrot smart batteries. Non-genuine batteries are forbidden, and their use will void the warranty and impact safety requirements.

10.1. Standard battery installation

To install the standard smart battery on the drone:

1. For ANAFI UKR version PF728440DA and later, ANAFI UKR GOV (all versions), ANAFI UKR XLR (all versions) and ANAFI UKR XLR MISSION (all versions), it is mandatory that a standard smart battery adapter is attached to the standard smart battery: slide the standard smart battery adapter onto the front bottom edge of the standard smart battery.

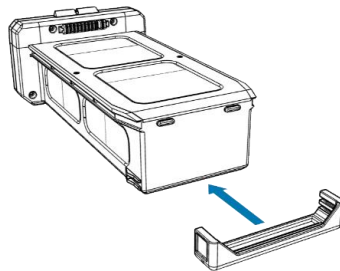


Figure 14: Standard smart battery adapter

2. Position the battery's slide grooves (located on the top edge of both sides of the battery) into the drone's corresponding slide rails.
3. Slide the battery into the drone.
4. Use your thumbs to press firmly on both sides of the battery removal latch.
5. Ensure that the battery is tightly secured into the drone.

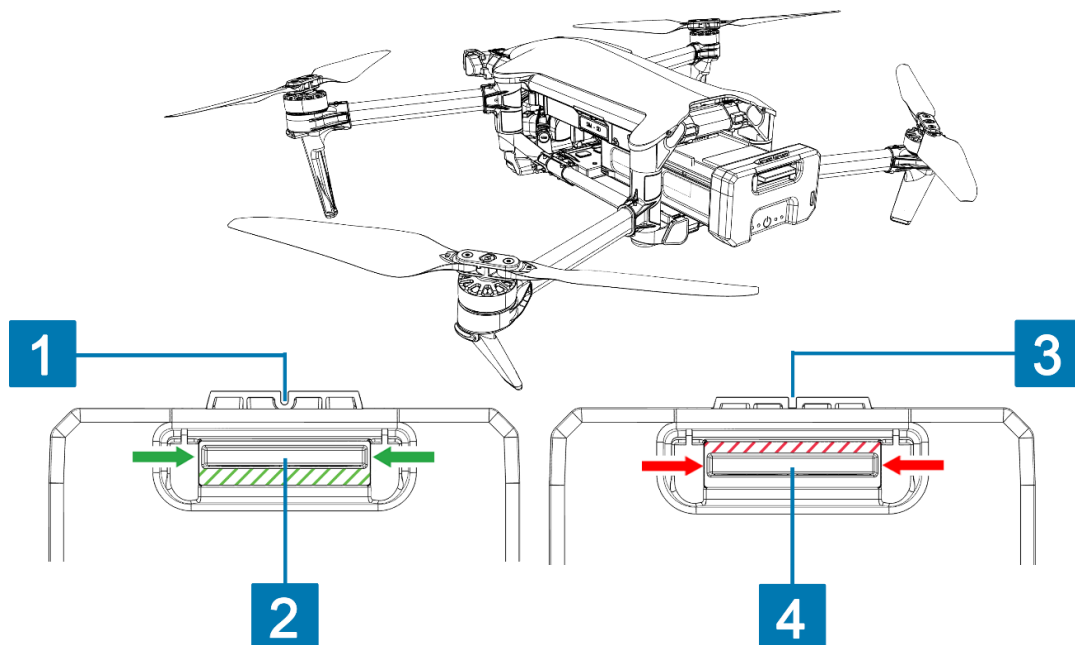


Figure 15: Smart battery installation procedure

- | | |
|---------------------------------------|---|
| 1. Correctly seated locking mechanism | 3. Incorrectly seated locking mechanism |
| 2. Correctly seated latch handle | 4. Incorrectly seated latch handle |

WARNING: Do not fly ANAFI UKR if the battery removal latch is not fully engaged in the drone. When the battery is correctly locked in place, the battery removal latch is in the fully up position, and the locking mechanism is correctly seated (Refer to No. 1 and No. 2 in Figure 15 for a visual representation of a correctly seated latch). If the battery removal latch is not correctly seated, the battery is not fully locked and can be pushed out without touching the removal latch.

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.

10.2. XLR battery installation

A larger battery is available for ANAFI UKR. Contact Parrot or your Parrot reseller to purchase the XLR battery.

NOTE: The XLR battery is only compatible with ANAFI UKR XLR, and ANAFI UKR GOV versions.

To install the XLR smart battery on ANAFI UKR:

1. Insert the XLR battery from the right-hand side of ANAFI UKR.
2. Position the battery's slide rail, located on the top face of the battery (No. 2 in Figure 16), into the drone's corresponding slide groove (No. 4 in Figure 16).
3. Slide the battery into the drone.
4. Ensure that the latch (No. 1 in Figure 16) is correctly seated in the latch receptor (No. 3 in Figure 16).

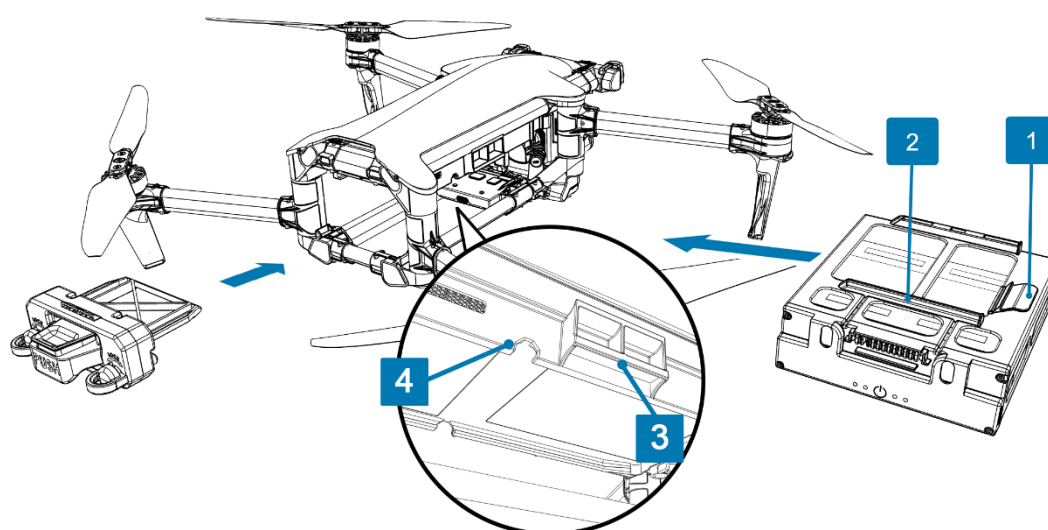


Figure 16: ANAFI UKR XLR battery insertion

- | | |
|---------------------------|-------------------------------------|
| 1. XLR battery latch | 3. ANAFI UKR battery latch receptor |
| 2. XLR battery slide rail | 4. ANAFI UKR slide groove |

5. On the XLR battery locking interface, rotate the twist-lock mechanism counterclockwise, until the twist-lock tabs match the orientation of the corresponding slots on the battery).
6. Slide the XLR battery locking interface into the rear of ANAFI UKR.
7. **PUSH** the button to allow the interface to engage ANAFI UKR and the XLR battery.
8. Rotate the twist-lock mechanism 90° clockwise to **LOCK** the interface, and the XLR battery, in place.

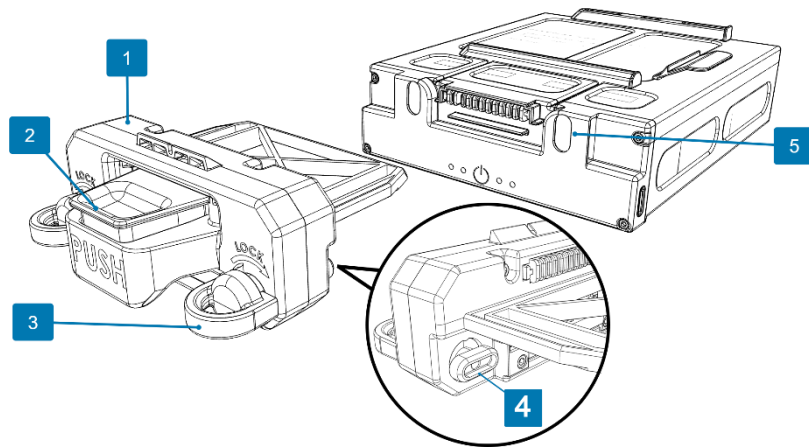


Figure 17: XLR battery and interface

- | | |
|-----------------------------|--|
| 1. XLR battery interface | 4. Twist-lock mechanism tab |
| 2. Latch PUSH button | 5. Battery twist-lock tab corresponding slot |
| 3. Twist-lock mechanism* | |

**Ensure that the twist-lock mechanism matches the orientation of the corresponding slots on the battery before inserting the battery interface.*

10.3. Battery care and safety

ANAFI UKR's smart battery features a wintering mode, designed to increase its durability and facilitate its storage. 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.

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.

WARNING: Always run a full charge of your smart battery before flying ANAFI UKR.

ANAFI UKR'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 (68°F);
- Always carry your battery in a fire-retardant bag or case (unless it is installed on ANAFI UKR: 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: Flight time and drone speed are reduced when flying at temperatures approaching -10°C (+14°F). The ideal operating temperature of the smart battery is 20°C (68°F). Ensuring that the smart battery remains as close as possible to 20°C (68°F) before starting a flight minimizes the reduction in the smart battery's capacity in cold environments.

CAUTION: Do not take off ANAFI UKR with the XLR battery if the battery temperature is below 0°C and the battery has less than 40% charge. Refer to [chapter 10.4 Battery charging](#) for more information on how to verify the state of charge.

TIP: 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 battery, use the enclosed USB-C to USB-C cable to connect the battery to its enclosed charger.

ANAFI UKR standard battery charging time is 2 h 30 minutes with a 45 W charger.

ANAFI UKR XLR battery charging time is 3 h with a 100 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 during charging:

LED 1	LED 2	LED 3	LED 4	LED BLINK SPEED	CHARGE LEVEL
				1 sec blink delay	0 - 20% charged
				1 sec blink delay	21 - 40% charged
				1 sec blink delay	41 - 60% charged
				1 sec blink delay	61 - 80% charged
				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
				N/A	Battery removed from powered on drone during flight

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 (No. 6 in Figure 9).

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).

10.5. Power bank mode

ANAFI UKR's smart battery can also be used as a power bank to charge any device with a USB-C charging port, 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. External payload

ANAFI UKR can fly with external payloads. The maximum mass of the external payload that ANAFI UKR can carry depends on the battery installed in ANAFI UKR:

- Standard smart battery: up to 400 g.
- XLR smart battery: up to 100 g.

CAUTION: Do not alter the center of gravity of the drone. Do not block or obstruct in any way the front stereo cameras, the bottom stereo cameras, or the Time-of-Flight sensor. Any obstruction of the sensors, even partial obstruction of the field of view may cause ANAFI UKR to read false data, to have erratic flight behavior, resulting in a crash. The required Field of View for the stereo cameras and the Time-of-Flight sensor is 86° (2x43°). Do not put any object under the Time-of-Flight sensor. Keep a clear cylindrical exclusion zone with a diameter of 4 cm directly below the sensor.

Parrot recommends that you do not attach a payload to ANAFI UKR's top cover. Payloads attached to the top cover can impede or degrade GNSS/IMU performance.

WARNING: An external payload may cause the aircraft's motors to overheat under certain conditions. Refer to [chapter 19. ANAFI UKR aircraft](#) for more information.

Perform a drone calibration:

- After an external payload is attached to the drone.
- After an external payload is removed from 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 38 minutes without an external payload.

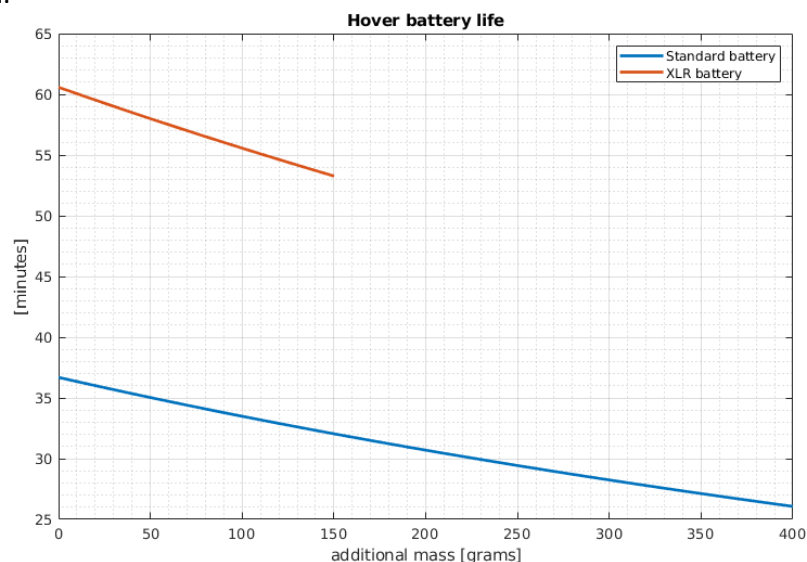


Figure 18: Hover time as a function of added external payload mass

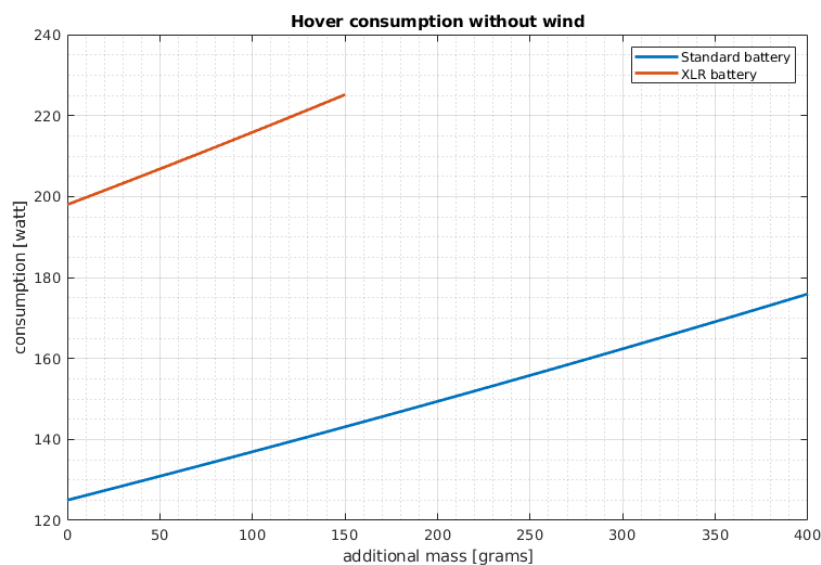


Figure 19: Hover power consumption as a function of added external payload mass

11. Simulator & FlightCharts Live USB key

The Simulator & FlightCharts Live USB key contains:

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

NOTE: The Simulator & FlightCharts Live 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.

Do not remove the Simulator & FlightCharts Live USB key from the PC while the software (ANAFI UKR simulator or FlightCharts) is running.

To access the software on the Simulator & FlightCharts Live USB key, follow this procedure:

1. Insert the Simulator & FlightCharts Live 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 **Up/Down Arrow** keys to select **UEFI – SanDisk SanDisk 3.2 Gen1 A2003CC0122C6C58**.
5. Press **Enter**.

After successfully booting from the Live USB key, a **GNU GRUB** menu opens with 3 options:

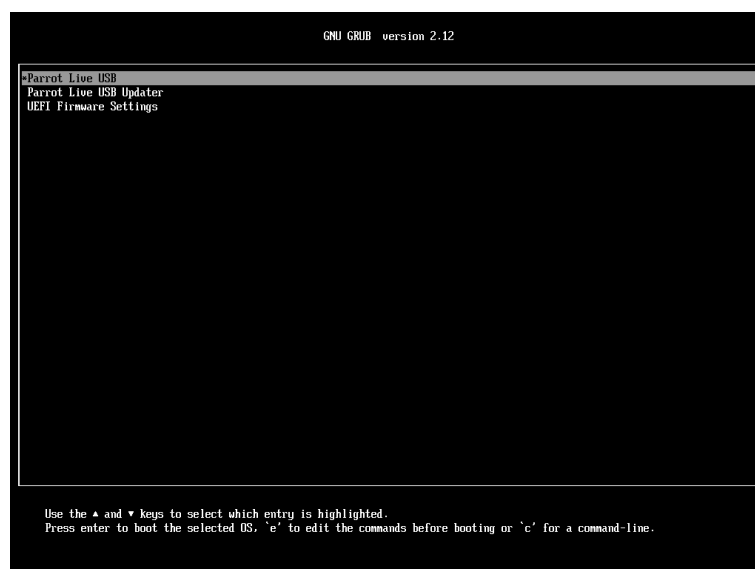


Figure 20: Simulator & FlightCharts Live USB key GNU GRUB menu

- a. **Parrot Live USB*** – Opens the Linux desktop where you can use ANAFI UKR Simulator and FlightCharts.
- b. **Parrot Live USB Updater*** - Updates ANAFI UKR Simulator, the drone firmware, and FlightCharts to the latest versions.
- c. **UEFI Firmware Settings** – Shows option about disabling secure boot, configuring the boot order management so that your PC automatically boots from the Simulator & FlightCharts Live USB key first.

Older versions of the Simulator & FlightCharts Live USB key GNU GRUB menu options may read **Parrot Sphinx, and **Parrot Sphinx Updater**.*

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

To update the Simulator & FlightCharts Live USB key:

1. Use the **Up/Down Arrow** keys to highlight **Parrot Live USB updater**, seen in *Figure 20*.
2. Press **Enter** on the keyboard.
3. Press **Y** on the keyboard.

The **Select an Update Method** screen opens:

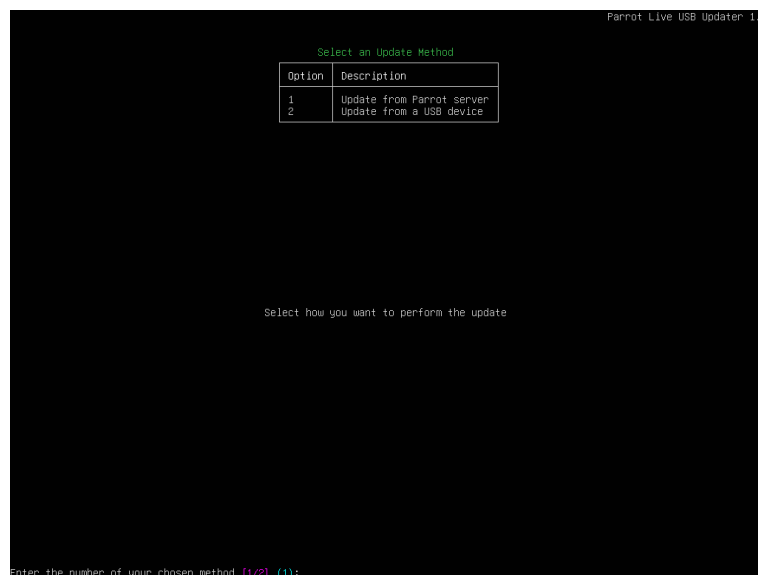


Figure 21: Select an Update Method screen

There are 2 methods to update:

1. **Update from Parrot server** – used for online updates.
2. **Update from a USB device** – used for offline updates.

To update from Parrot server (online update), you will need:

- A stable internet connection.
- A non-authenticated Ethernet connection.

NOTE: You cannot use Wi-Fi, or any Ethernet connection that needs a password or login.

1. Press **1** on the keyboard.
2. Press **Enter** on the keyboard.

Parrot Live USB updater automatically downloads the operating system and writes it to the Sphinx partition of the key. This process can take a long time. The duration depends on your network speed and reliability.

3. Press **Enter** on the keyboard to shut down the system when the update is complete.

To update from a USB device (offline update), you will need:

- A USB drive with a minimum of 30 GB of free space, formatted with an exFAT or EXT4 file system.
- An ISO file in the root folder of the USB drive.
- A Simulator & FlightCharts Live USB key version W51-25.1 or later, with Parrot Live USB Updater version 1.4.

NOTE: This offline update method is an alternative to the online update. Use the offline update method only if your PC must operate without an Internet connection. This method is only available on specific versions of the Simulator & Flightcharts Live USB key. Contact Parrot or your Parrot reseller to obtain the ISO file, and an up-to-date Simulator & Flightcharts Live USB key.

1. Press **2** on the keyboard.
2. Press **Enter** on the keyboard.
3. Insert the USB device that contains the ISO file in its root folder into the PC.
4. Press **Enter** on the keyboard.
5. Press **1** on the keyboard to select the ISO file from the list.
6. Press **Enter** on the keyboard.

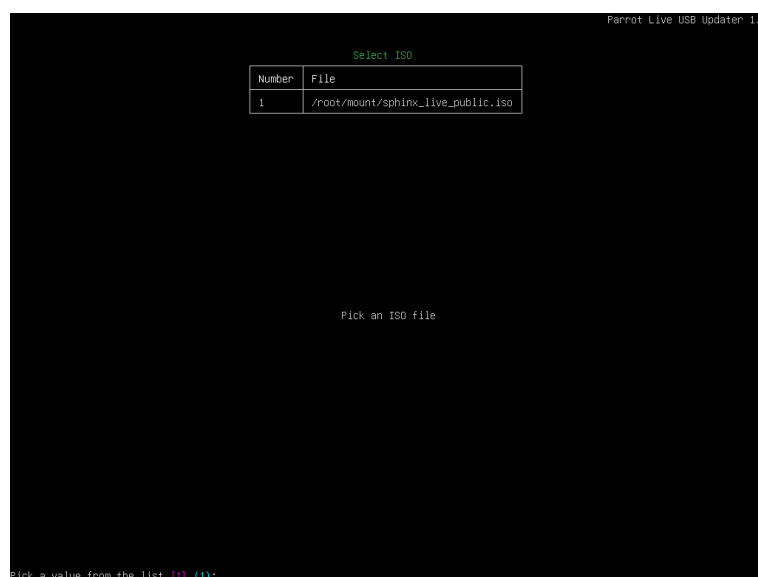


Figure 22: Select ISO screen

Parrot Live USB updater automatically transfers the operating system and writes it to the Sphinx partition of the key. This process can take a long time.

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 Simulator & FlightCharts Live 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:

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.

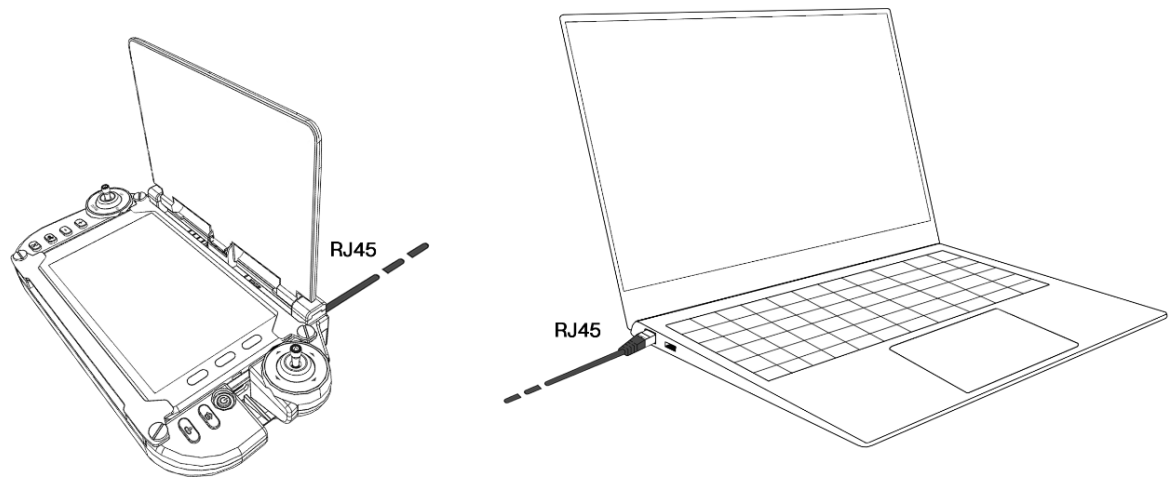


Figure 23: Skycontroller UKR/PC connection via Ethernet cable

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 appears (see Figure 24), 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.

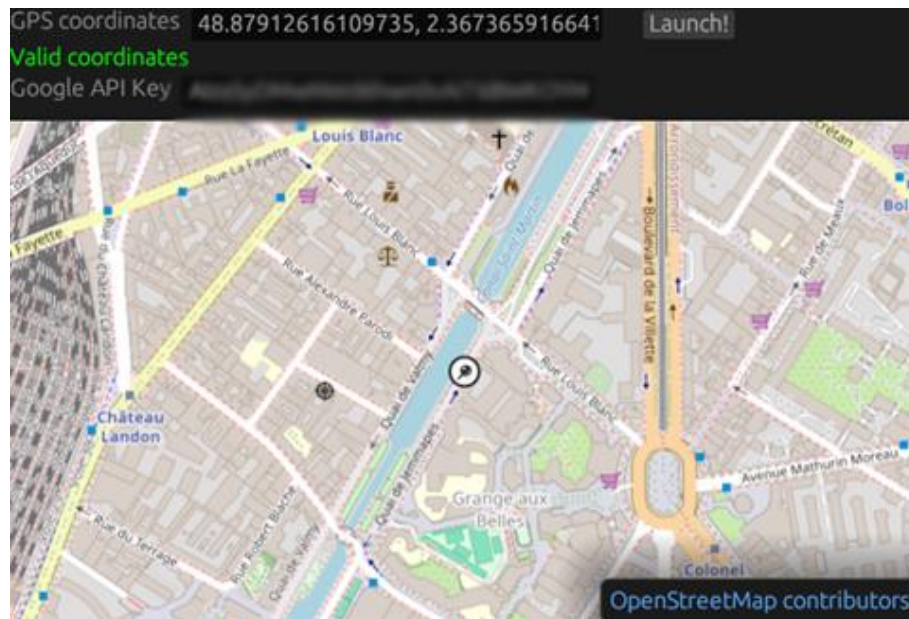


Figure 24: Parrot Planet launcher

Manually edit or copy/paste the GPS coordinates in the Parrot **Planet** launcher where you want to position the simulated drone.

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](#).

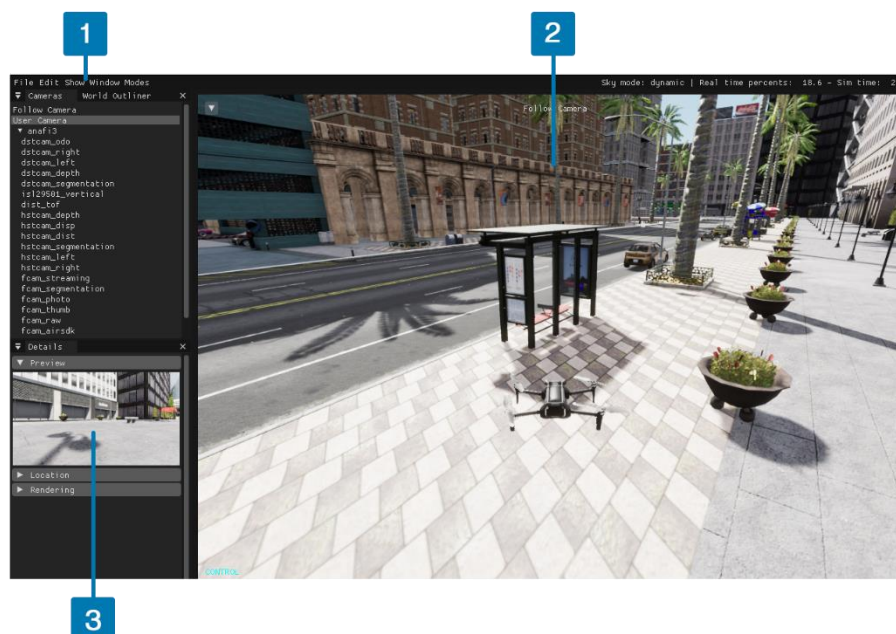


Figure 25: Main simulation view

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**.

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 it.

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**.

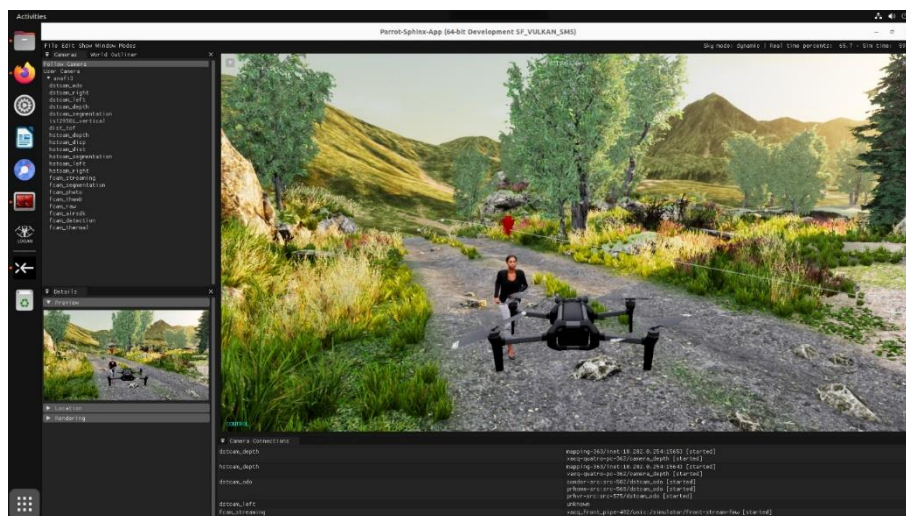


Figure 26: Simulation view with character actor

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 is simulated using the drone hardware.



Figure 27: 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

The FlightCharts software is included on the Simulator & FlightCharts Live USB key in the system pack.

FlightCharts can generate 2 map types:

- **Optical Navigation** maps – Allows ANAFI UKR to operate in GNSS denied environments.
- **DTED** maps (Digital Terrain Elevation Data) – Allows ANAFI UKR to operate in GNSS denied environments and improves Cursor on Target accuracy.

11.2.1. Prerequisites

FlightCharts requires:

- An unencrypted microSD card formatted by ANAFI UKR via the formatting procedure in FreeFlight 8. Refer to the Skycontroller UKR & FreeFlight 8 user guide for more information (chapter: *Settings / Storage*).
- A map source from one of the following options:
 - ArcGIS® - Requires an API token.
 - Google® - Requires an API token.
 - A custom map server – May require an API token depending on service used.

Refer to [chapter 15. Appendix 3: Disclaimer](#) for more information on how to obtain a Google API token, or an ArcGIS API token.

11.2.2. Running FlightCharts

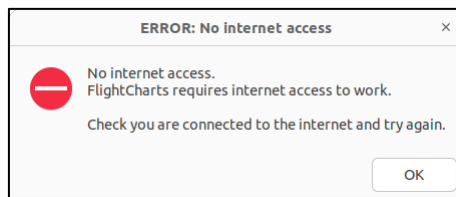
To use FlightCharts, follow this procedure:

1. Insert the unencrypted and formatted microSD card into your computer.

2. Insert the Simulator & FlightCharts Live USB key into your computer.
3. Follow the instructions in *chapter 11. Simulator & FlightCharts Live USB Key* to open the Linux operating system.
4. Double click FlightCharts' icon:



NOTE: The PC must have an internet connection to use FlightCharts. If the PC does not have internet access, an **ERROR: No Internet access** popup appears:



The FlightCharts interface opens:

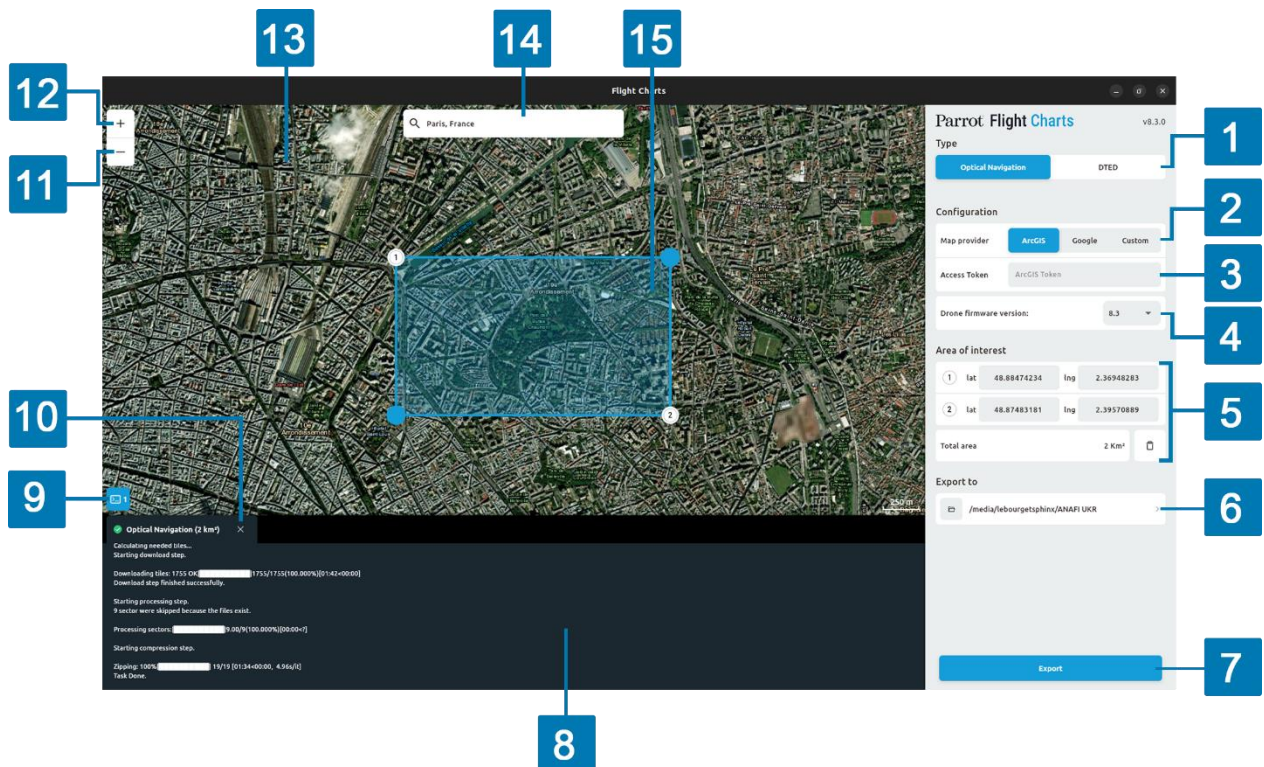


Figure 28: FlightCharts interface

- | | |
|--|-----------------------------------|
| 1. Map Type | 9. Open/Close Logs button |
| 2. Map Provider options | 10. Map generation cancel button |
| 3. Access Token text field | 11. Zoom out button |
| 4. Drone firmware version menu | 12. Zoom in button |
| 5. Area of interest geographic information | 13. Satellite basemap |
| 6. Export to menu | 14. Map search bar |
| 7. Export button | 15. Area of interest bounding box |
| 8. Logs | |

IMPORTANT: The FlightCharts interface uses satellite tiles from ArcGIS® or from Google®. It is the user's responsibility to ensure that they have the correct licenses.

To create a map in FlightCharts for ANAFI UKR:

1. Select the map **Type** (No. 1 in Figure 28) to create either an **Optical Navigation** map, or a **DTED** map.
 - A. To create an **Optical Navigation** map:
 - i. Under **Configuration**, select your **Map provider** (No. 2 in Figure 28) from either **ArcGIS**, **Google**, or **Custom**.

ArcGIS:	In the Access Token text field, enter your ArcGIS Token – refer to esri Developer for more information on how to obtain an ArcGIS token.
Google:	In the Map Tiles API key text field, enter your Google Map Tiles API key – refer to Google Maps Platform for more information on how to obtain a Map Tiles API key.
Custom:	Select Custom if you want to use your own satellite map server instead of ArcGIS or Google Maps. In the Custom URL text field, enter your Server URL (the address of your tile server). The server must provide satellite raster tiles using the standard XYZ format (Slippy Map Tiling Scheme), which defines the map tiles by zoom level (z) and tile coordinates (x, y). The URL must contain the placeholders {z}, {x}, and {y}. Example: <code>https://tile.openstreetmap.org/{z}/{x}/{y}</code> Requirements for custom map servers: • Tile type: Raster (satellite imagery) without labels or boundaries. • Tile size: 256 × 256 pixels. • Image format: JPEG. • Geographical data: Ortho-rectified imagery. • Projection: Web Mercator (EPSG:3857). • Tiling scheme: XYZ (Slippy Map Tiling Scheme). • Recommended zoom levels: 15 and 16 (for best Optical Navigation performance). Each tile is retrieved from the server based on its zoom level (z) and position (x, y). The mapping between geographical coordinates (longitude and latitude) and tile coordinates follows the standard Web Mercator projection.

- B. To create a **DTED** map:
 - i. Under **Nasa Credentials**, enter in the appropriate text fields:
 - your **Nasa Login**,
 - your **Nasa password**.

NOTE: You must register for an Earthdata profile via urs.earthdata.nasa.gov/users/new to obtain a NASA login and password.

2. Select the **Drone firmware version** from the drop-down menu (No. 4 in Figure 28).
3. In the **Satellite basemap** interface (No. 12 in Figure 28), left-click and drag to the area of interest.
4. Zoom in or out using the zoom buttons (No. 10 & No. 11 in Figure 28) or the mouse scroll wheel.

5. Click the **Satellite basemap** (No. 12 in Figure 28) to create a bounding box.
6. Click and drag the bounding box to move it, click and drag the corner points to resize it.

The **Area of interest** geographic information (No. 5 in Figure 28) for the bounding box you created in step 5 and 6 displays on the right-hand side:

①	lat (top-left latitude)	long (top-left longitude)
②	lat (bottom-right latitude)	long (bottom-right longitude)
	Total area (Km ²)	

7. Click **Export** (No. 7 in Figure 28).

The **Logs** box opens (No. 8 in Figure 28). The Logs box indicates in percentages:

- The **downloading tiles** progress,
- The files **Processing** progress,
- The **Zippping** progress.

The larger the area of the bounding box you create in step 5 and 6, the longer the compute time.

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

- **ANAFI UKR-#Drone Firmware Version number#** folder, which contains:
 - Binary files: Proprietary files created by Parrot that encode the satellite images.
 - A GeoJSON file: Describes the rectangular areas covered by the satellite maps.
- **maps_update** - A compressed folder required to load Optical Navigation binary maps to the drone (if you chose **Optical Navigation** in step 1) or,
- **maps_terrain** - A compressed folder required to load elevation DTED binary maps to the drone (if you chose **DTED** in step 1).

There may also be log files detailing download errors, or missing tiles. Download errors can occur due to a poor internet connection, authentication issues, or missing tiles from the Map provider. Tiles on bodies of water are generally unavailable.

Missing tiles and downloads errors are reported for information only. FlightCharts generates GNSS denied binary files even when some tiles are missing.

The total map size (in km²) that you can copy to ANAFI UKR depends on the storage capacity of the microSD card. A 128 GB microSD card can store approximately 200,000 km² of map data.

NOTE: The binary files are Parrot proprietary files and are therefore unique to Parrot.

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 simultaneously to indicate that the copying process is in progress:

ALL LEDS	LED DURATION
	0.2 seconds
	0.2 seconds

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.

The maps created with the FlightCharts software are now available to use.

5. On the Skycontroller UKR tablet, open FreeFlight 8.
6. Tap **Settings**.
7. Tap **Maps**.
8. Under **Interface**, tap **See on map** beside:
 - a. **Display areas covered by elevation maps (DTED)** - if you created a **DTED** map.
 - b. **Display areas covered by optical navigation maps** - if you created an **Optical Navigation** map.

For more information, refer to the Skycontroller UKR & FreeFlight 8 user guide (chapter: *Settings / Maps*).

12. Maintenance and troubleshooting

This section describes basic 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.

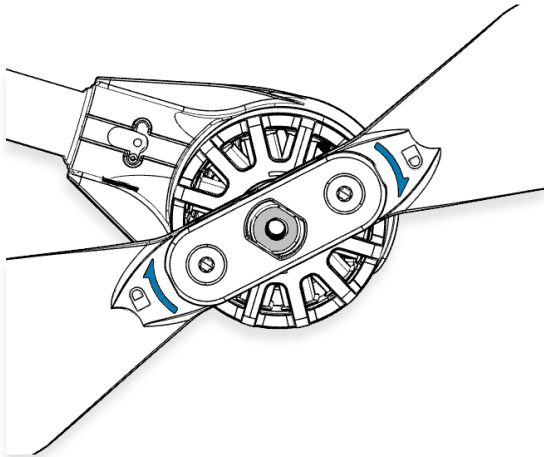
12.1. Changing propeller blades

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 on clockwise.



B. blades: unscrew used/damaged B blades (Rear left & front right) clockwise and screw new ones on counterclockwise.

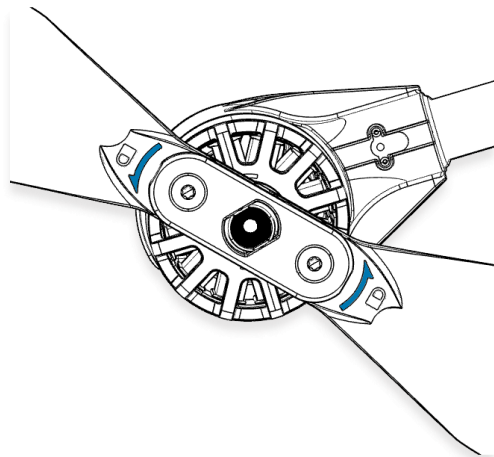
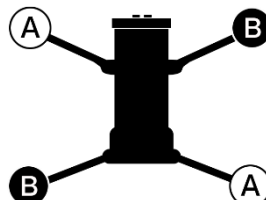


Figure 29: ANAFI UKR propeller attachment direction

Ensure that your blades respect the following diagram. The propeller hubs are color coded; A blade hubs are silver, B blade hubs are black.



ANAFI UKR's propellers are foldable. It is not necessary to remove the propellers after they are screwed on.

CAUTION: Do not remove the propellers unless you need to replace them. Do not overtighten the propeller hubs. Overtightening or frequent removal of the propellers may weaken the thread lock and reduce the propeller assembly's fixation quality.

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 hard reset ANAFI UKR:

1. Power off the ANAFI UKR.
2. Press and hold ANAFI UKR's  **Power** button until the leftmost LED flashes red/green
3. Release the  **Power** button.

ANAFI UKR 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. Smart battery hard reset

A hard reset of ANAFI UKR's battery may 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 the  **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.

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:

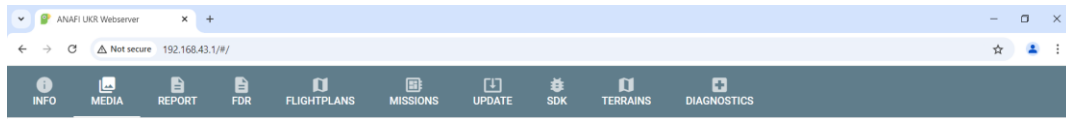


Figure 30: ANAFI UKR webserver interface

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**

12.4.1. Offline drone firmware update via webserver

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 the **UPDATE** tab
2. Select the update file.

12.5. 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.
12. On the computer file explorer, right-click on the device. A menu opens.

13. Click **Properties**.

12.6. Update via external storage

1. Format the MicroSD card via FreeFlight 8
2. Insert the MicroSD card into a computer's 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.

12.7. 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>

12.8. 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

12.9. 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 *chapter 13. appendix 1: Operational checklist*.

12.10. 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

This operational checklist applies to ANAFI UKR (a quadcopter with foldable arms, and a removable battery) paired with Skycontroller UKR. Certain elements in the following checklist may not apply to your individual configuration.

13.1. Software update & calibration

Aircraft	Software up to date
Skycontroller UKR	Software up to date
Tablet	Software up to date
FreeFlight 8	Software up to date
Aircraft gimbal calibration	OK
Aircraft magnetometer calibration	OK
Aircraft thermal calibration	OK
Aircraft Cursor on Target calibration	OK
Aircraft horizon calibration	OK
Aircraft thermal/visible image calibration	OK
Skycontroller UKR magnetometer calibration	OK
Skycontroller UKR joystick calibration	OK

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

13.1. Skycontroller UKR & Aircraft off

Aircraft	Removed from case.
Aircraft arms	Unfolded, locked.
Aircraft gimbal protective cover	Removed.
Aircraft propellers	Intact, free, fully screwed on.
Aircraft battery	No swelling, locking tab FULLY UP , 100% charged.
Aircraft battery LEDs	4 x OK
Aircraft battery temp	Within operational range.
Skycontroller UKR battery	100% charged.
Skycontroller UKR battery LEDs	4 x OK
Tablet battery	OK, 100% charged.

13.2. Skycontroller UKR & Aircraft on

Aircraft	On, gimbal stabilization OK
Skycontroller UKR	On, antenna unfolded
Skycontroller UKR / Aircraft radio link	MARS radio link solid green in FreeFlight 8
Tablet	On
Tablet / Skycontroller UKR USB connection	USB-C cable correctly inserted
FreeFlight 8	Launched
System connected	Solid blue LED on Skycontroller UKR
Image feed & telemetry	Live video feed
Mission Mode	Set
Quick settings menu	Verify GPS, obstacle avoidance, Auto record, CoT set
Flight parameters	Set to Standard
RTH and safety	Set
GPS	Verified (enabled)
Flight area	Set
Connection	Radio configured

Max altitude/Max distance	Set
Geocage	Set if needed
Geoawareness	Activate if needed
Image settings	Set
Skycontroller UKR button configuration	Joysticks inverse / Default, button mode configured
Map on FreeFlight 8	OK, offline map uploaded if required
GNSS settings	Set
Global reactivity	Set
Camera tilt speed	Set
Inclination	Set
Vertical speed	Set
Rotation speed	Set
Final check	All systems 'green'

13.3. Before Take-off

Weather / Wind	Checked and OK
Take-off Zone	Clear
Aircraft status	In the green
Propellers	No obstructions in propeller arc
Take-off/Land command	Take-off

13.4. After Take-off

Precise Home	Set
Right joystick	Pitch and roll confirmed
Left joystick	Yaw and altitude confirmed
Gimbal trigger	Up and down
Zoom trigger	In and out
Video	Clear and visible
Connection	MARS radio link confirmed

13.5. Before landing

Weather / Wind	Checked and OK
Landing Zone	Clear
Aircraft status	Check
Take-off/Land command	Land

13.6. After landing

Check motors are stopped	OK
Aircraft status	OK, no alarms
Skycontroller UKR	Off, stored away
Tablet	Off
Aircraft battery	Off
Aircraft	Check drone/gimbal/propellers
Aircraft	Install gimbal protective cover
Aircraft arms	Folded
Aircraft system	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 encrypted
	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

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.

8. 3rd party licenses for online and offline maps.

The choice of the map provider is the sole responsibility of the user and may depend on various factors such as the flight mission, the country, the provider's terms and conditions, the available budget, etc. The user must determine the most suitable map provider, subscribe to the appropriate license and comply with the terms and conditions of the license.

By default, FreeFlight 8 uses a MapTiler[®] license as the online map provider. By using MapTiler services, software, or map content ("MapTiler Services"), you agree to be bound by the following terms which may be updated from time to time: <https://www.maptiler.com/terms/>

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To use other maps or MBTiles package, you must subscribe to a license and/or obtain a token from the selected map provider, which may imply extra cost. Certain Map providers may prohibit specific use cases or countries. You must read the applicable terms and conditions carefully. To obtain advice or a legal opinion on a particular situation, consult a licensed legal professional in your jurisdiction.

Offline maps mode requires at least one MBTiles package to be imported into FreeFlight 8. MBTiles packages can be generated with a tool of your choice.

You may generate MBTiles package with QGIS, an Open-Source Geographic Information System. Copyright © 2004 - 2020 QGIS Development Team. <https://www.qgis.org>

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