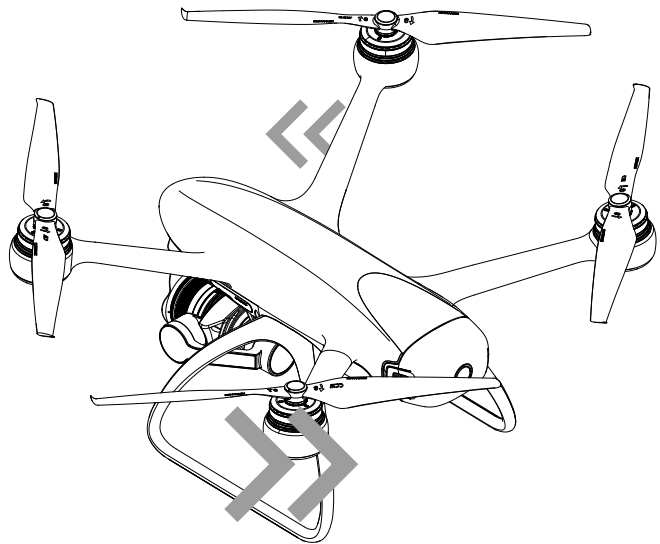## FLIGHT MODE (MODE 2)
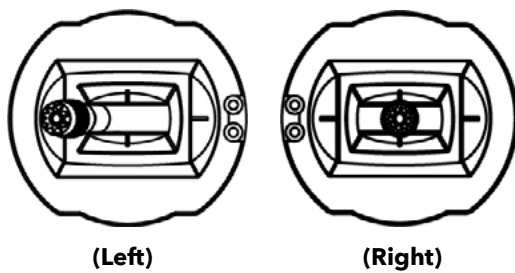### *Yaw Counterclockwise (Aircraft rotates CCW)*

Move left thumbstick left
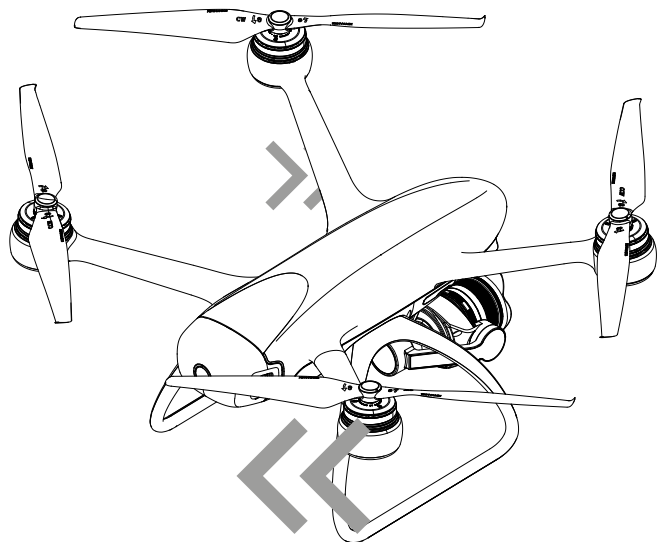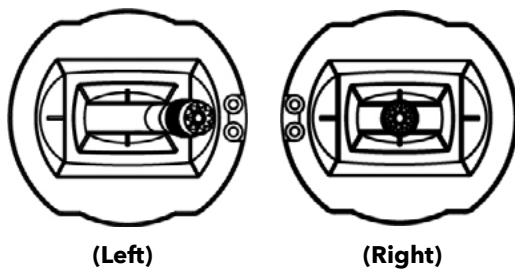
Keep right thumbstick centered

(Left)   **(Right)**

Yaw Clockwise (Aircraft rotates CW)

Move left thumbstick right

Keep right thumbstick centered
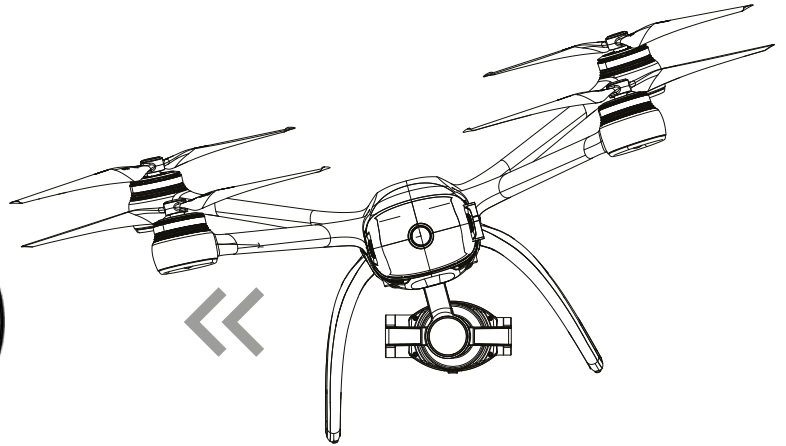
(Left)   **(Right)**

FLIGHT MODE (MODE 2)

Roll Left – (Aircraft moves left)

Keep left thumbstick centerd

Move right thumbstick left

(Left)   **(Right)**
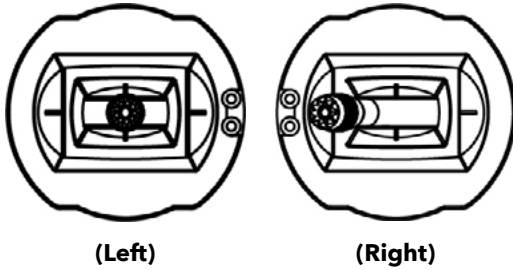
Roll Right – (Aircraft moves right)

Keep left thumbstick centerd

Move right thumbstick right

(Left)   **(Right)**
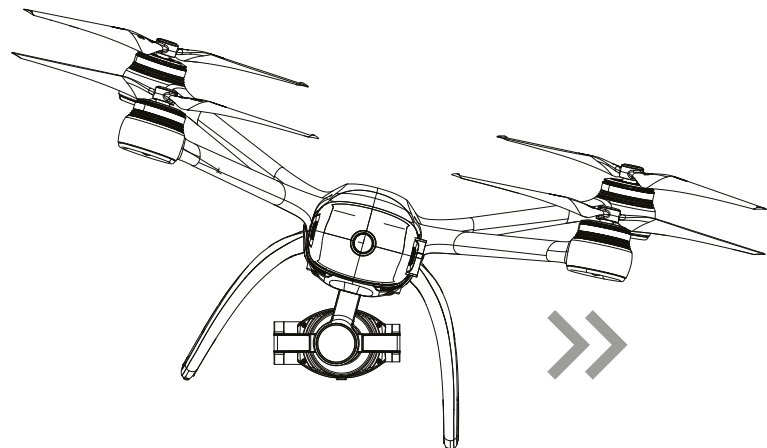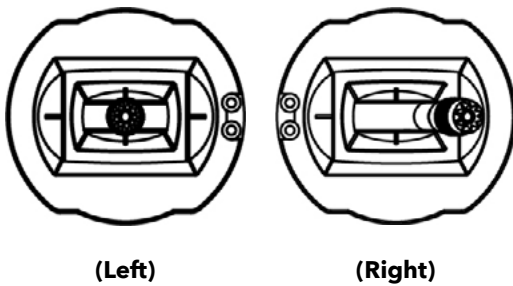
BUTTON CUSTOMIZATION

The Ground Station has 6 customizable buttons allowing our users to personalize control of the camera and gimbal. You can customize the buttons under the following path: DRONE SETTINGS > GROUND STATION > BUTTON CUSTOMIZATION
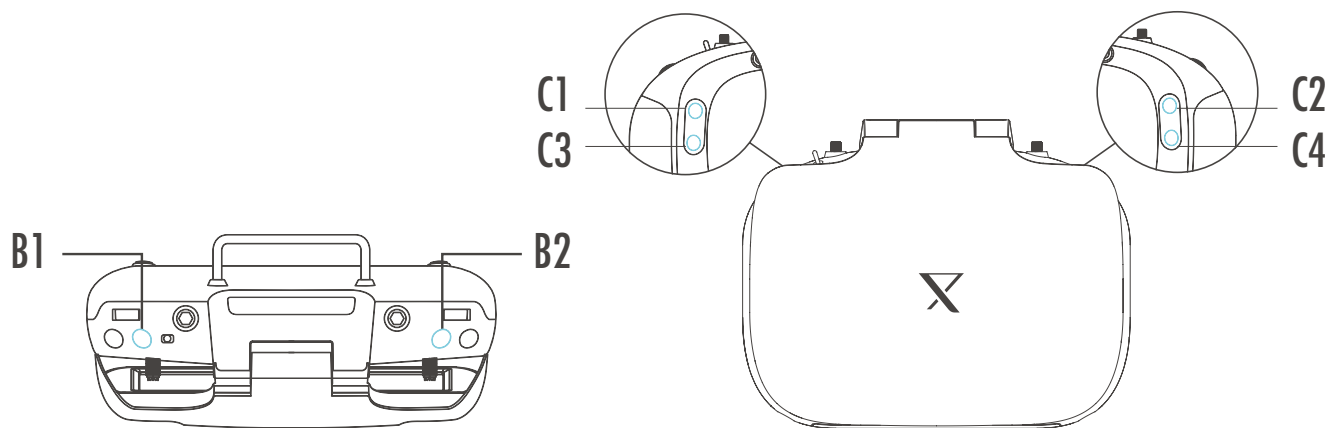
SMART PILOT SYSTEM

SCREEN INTRODUCTION

See below indicators for reference.

TOP SCREEN

1. Speed
2. Altitude
3. Distance
4. Aircraft Status
5. Record Time
6. Wi-Fi Signal
7. GPS Signal and
   Number of GPS
8. Ground Station Signal
9. Image Transmission Signal
10. Aircraft Battery
11. Ground Station Battery
12. Time

13. Remaining Flight Time
14. AE Lock
15. Switch Photo / Video
16. Current Mode
17. Camera Settings
18. Shutter
19. Playback
20. Camera Parameters
21. Capacity
22. Resolution
23. Gimbal Angle
24. Notification

BOTTOM SCREEN
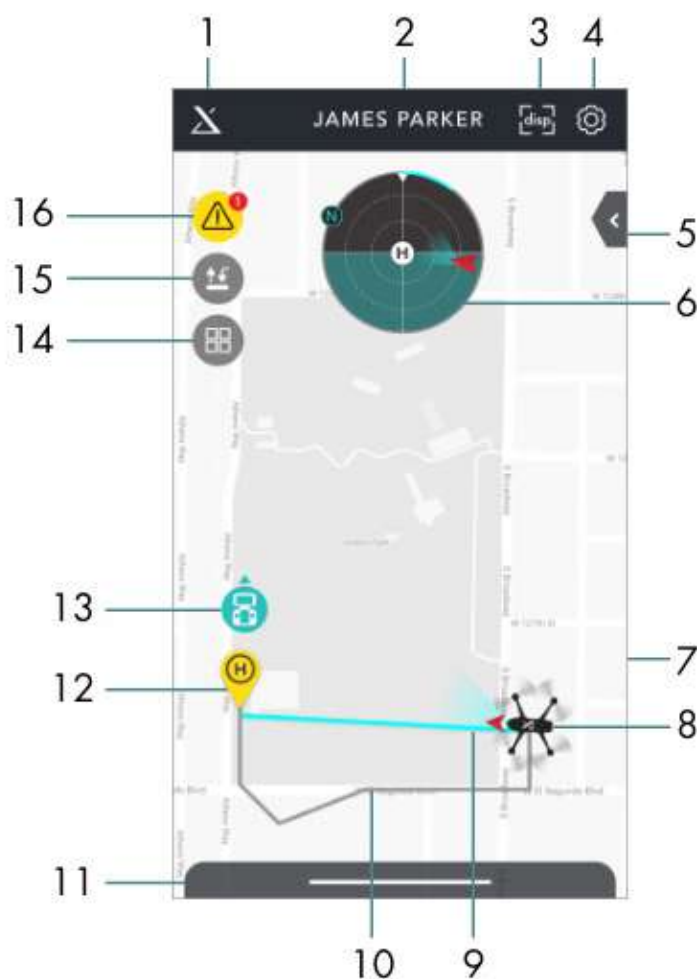
1. Home Button
2. Pilot Name
3. Display Mode
4. Drone Settings
5. Map Options
6. Radar
7. Map
8. Aircraft Position
9. Return to Home Path
10. Original Flight Path
11. Advanced Chart
12. Home Point Position

13. Ground Station Position
14. Smart Mode
15. Take Off/Landing
16. Notification Centre

NOTIFICATIONS

The Smart Pilot APP provides warning and alert notifications, and will provide suggested actions on solving the issues.

The top screen shows the warnings at the top left corner.

The bottom screen also displays the alerts on the left side. You may also refer to the top right corner for current warnings. Tapping the Alert icon on the screen will bring you to the Notification Center. You may check all the existing warnings and tap the suggested action to solve the issue.

FIRMWARE UPDATES

The Smart Pilot APP guides the user through the Firmware Update process. Firmware Update requests are displayed on the Ground Station screen. Whenever an update is available, the Smart Co-Pilot system will request the operator perform the update when the Ground Station is connected to an internet connection. This process can be simply accessed from the alert page by selecting "update". You can check for available updates under the following path: DRONE SETTINGS > GENERAL > FIRMWARE UPDATES.

WI-FI/HOTSPOT CONNECTION

You can connect the Ground Station under the following path: DRONE SETTINGS > GENERAL > WI-FI. The Ground Station will automatically cut off internet connection once the aircraft is launched to avoid interference. If you wish to switch on the Wi-Fi during flight, you can do so under the following path: DRONE SETTINGS > GENERAL > WI-FI or tap the Wi-Fi icon located on the top screen to turn it on.

ALBUM AND IMAGE EDITING

Use the Album tab to view your photos and videos. The editing tool is also available for quick edits.

1. Navigate to the Smart Pilot System Album tab.
2. The bottom screen will display the images and videos on the Ground Station.
3. Tap the media on the screen.
4. The top screen will display the photos/videos in full screen mode, while the bottom screen provides the detailed information and control for the photos/videos.
5. Tap Edit on the top right corner to enter the photo editing section.
6. Users can Crop / Apply Filters / Adjust Brightness / Change Contrast / Saturation / Sharpness on this interface.

   The media on the Ground Station is a DVR recording from the FPV video downlink. For full quality images, remove the SD card and upload the files to a computer.
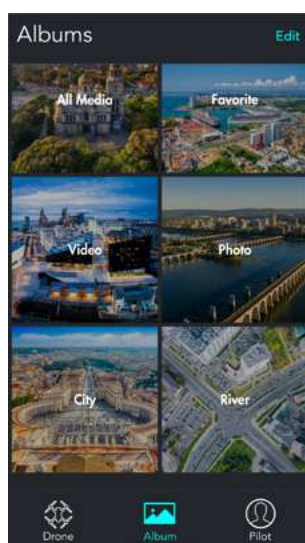
Album   *Image Adjustment*   *Image Effect*
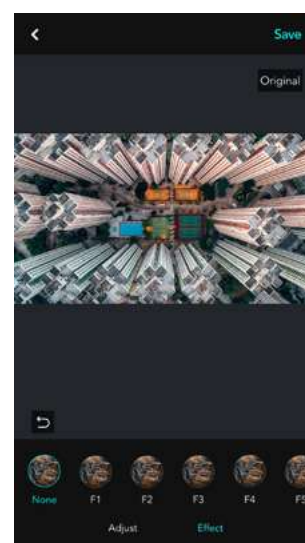
FLIGHT RECORDS

The Ground Station seamlessly records your flight data and allows you to replay the aircrafts flight path, altitudes and timing as well as any footage that was recorded during that flight. To access your Flight Records, please use the following path: PILOT > FLIGHT RECORDS.

Share *(Coming Soon)*

Share *(Coming Soon)*

Flight Information

Media Preview

Tag

Date, Time and Location

Remaining Flight Time

Inflight Notification

Flight Path (Incomplete)

Flight Path (Completed)

RPM Chart

Playback Speed: 1x, 2x, 5x

Prev. Record

Pause/Play

Next Record

Flight Settings: Flight Mode, SATS. Locked Antennas, Aircraft Batt. Level

Flight Information: Total Distance, Total Flight Time, Speed, Altitude, Distance

Control Stick Input

Map Position: Aircraft, Ground Station

Map Type: Default, Satellite

Flight Coordinates

Share *(Coming Soon)*

INFLIGHT

Weather Forecast
Preflight Checklist
Flight System Limitation
Preparing Aircraft for Flight
Maximum Distance and Altitude
Arming and Disarming the Aircraft
Auto Take Off and Landing
Return to Home
Landing and Return to Home Cancellation
Determining the Return to Home Altitude
Map (Flight Map/Offline Map)
Radar

WEATHER FORECAST

To make sure you're always aware of weather conditions, the EVOLVE 2 gives you the local forecasts within the user interface. Sunrise and sunset times are also displayed so you never miss the most magical moment of the day. Information can be seen on the top screen after powering on OR in the advanced chart: DRONE > START HERE > READY TO FLY > FLIGHT PAGE.

DRONE TAB
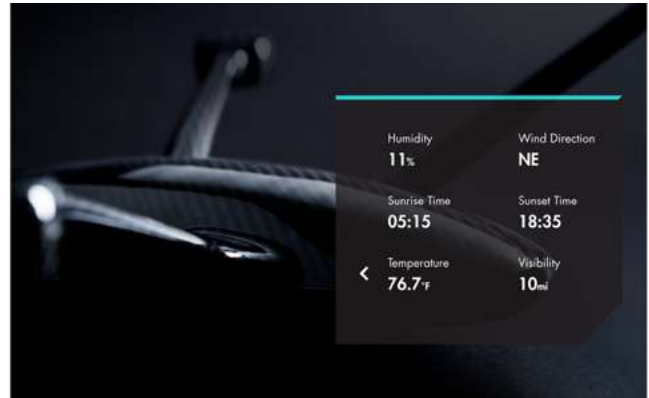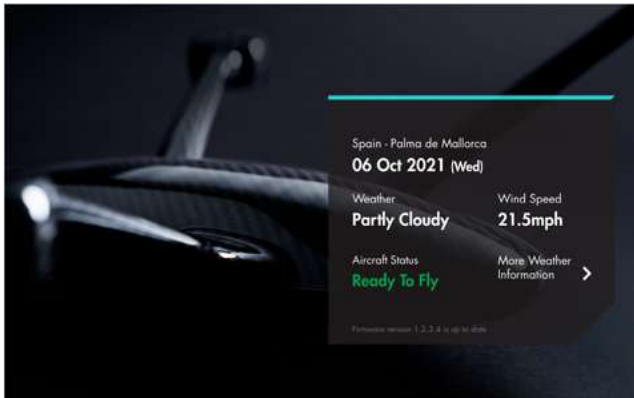
Top screen after powering on. Tap "More Weather Information " for more.

FLIGHT MAP

Drag bottom windows upward to see the Advanced Chart.

WEATHER LIMITATIONS

Although the EVOLVE 2 is a high-performance aircraft, weather can be a crucial factor to flight performance and safe operations. Caution must be taken when it comes to weather planning. Effective weather planning breaks includes the following criteria:

• Weather information gathering – This can be achieved by watching local news weather stations, the internet and apps such as The Weather Channel and NOAA.

• Knowledge of weather patterns in your operational area – Search for local weather patterns with weather forecasting apps.

• Executing flight plan and go or no-go situations based on the weather information – Be sure to make informed decisions based on accurate weather information and remember no flight is too important to ignore hazards created by inclement weather.

If these criteria are met, the chances of a crash or close call are substantially reduced.

WEATHER LIMITATION OF THE EVOLVE 2

- **Wind speed:** 25mph for maximum safety operations.
- **Outside temperature:** 0°C (coldest recommended temperature) - 40°C (hottest recommended temperature).
- **Visibility:** At least 5 statute miles of clear visibility and a minimum cloud cover ceiling of 400ft.
- **Fog:** Not recommended to fly.
- **Rain:** Do not fly.

PREFLIGHT CHECKLIST

The checklist below is recommended before every aircraft flight. Aircraft operators are encouraged to add more items that might be required for particular operations.

1. AIRCRAFT

- Firmware (Up to Date)
- Flight Mode (ALTITUDE (A) / POSITION (P) / SPORT (S)
- RTH Altitude Settings (65 ft - 656 ft)
- Accelerometer (Normal; Calibrate if Needed)
- Compass (Normal; Calibrate if Needed)
- GPS Signal (Strong)
- Battery (Installed; Status Check Fully Charged)
- Propeller (Check Condition; Securely Mounted)

2. CAMERA AND GIMBAL

- Auto Gimbal Calibration (Normal; Calibrate if Needed)
- Micro SD Card/CFast (Installed; Available Space)
- Format SD Card (As Necessary)

3. GROUND STATION PREFLIGHT CHECKLIST

- Control Stick Mode (MODE 1/MODE 2/MODE 3)
- Antenna (Internal/External; If Using External, Ensure Correctly Orientated)
- Battery (Installed; Status Check Fully Charged)
- Map (Loaded)

FLIGHT SYSTEM LIMITATIONS

Below are the flight limitations of the EVOLVE 2:

SPEED

- Ascending: 16.4ft/s (5m/s)

- Descending: 6.6ft/s (2m/s)

- Horizontal: 57 mph (92 km/h) (For higher top speeds contact customer support for signing of warranty wavier prior to activation)

DISTANCE

- 36089 ft (11000 m) (Max Operating Range)

HEIGHT

- 3281ft above sea level / 1000m

WEIGHT

- 4.4 lbs. (2.00 kg)

MAXIMUM. FLIGHT TIME

- Approx. 33 Mins

PREPARING AIRCRAFT FOR FLIGHT

For the first flight of the EVOLVE 2, be sure to have a level surface available that is clear of obstacles and loose debris. Ensure that there are no overhead structures or trees that might interfere with the EVOLVE 2 connecting to GPS satellites. Do not place the EVOLVE 2 on metal surfaces or with metal nearby (metal interferes with the internal compass of the flight system and can cause directional errors). For the first flight of the EVOLVE 2 be sure to fly in low wind (below 10kt) and high visibility conditions. Avoid flying in low visibility (like heavy fog) and rainy conditions.

MAXIMUM DISTANCE AND ALTITUDE

You can adjust the maximum altitude/distance under the following path: DRONE SETTINGS > AIRCRAFT > SET MAXIMUM FLIGHT ALTITUDE / SET MAXIMUM FLIGHT DISTANCE.

Ensure your input value is within the suggested parameter.

ARMING AND DISARMING THE AIRCRAFT

ARMING THE AIRCRAFT

When arming or disarming, commands are given to the flight controller, the aircraft's state may change suddenly requiring the operator to react immediately in order to maintain full control of the aircraft.

ARMING PRE-CHECK

The EVOLVE 2 makes several internal calibrations and adjustments before each flight. If for any reason, any of the vital sensors or internal equipment has a safety issue, the aircraft will not ARM upon the ARM command given by the operator's stick and the LEDs under each motor will turn RED. Please refer to the Smart Pilot screen to check for the diagnoses in order to correct the problem.

The most common reason for not arming is the calibration of compass on a different or magnetically noisy environment. Please refer to Compass calibration and try again.

There is a 5 second delay on the arming and disarming of the stick commands to avoid accidental spinning of the motors or disarming the aircraft in mid-air causing the aircraft to crash.

ARMING

Before arming the aircraft make sure pre-flight checklists are complete and the aircraft is in an area clear of obstacles and loose debris as loose debris can damage the propellers and possibly cause loose debris to act as projectiles doing damage to surrounding property and personnel.
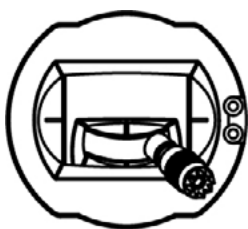
(Left)   *(Right)*
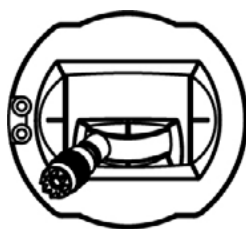
Push the both control sticks down and to the right and wait for the LED's light change. Move the throttle stick to the middle position and the aircraft is ready to take off manually.

When arming, the LED's indicators will fast blink different colors followed by a long beep, the motors will then engage, and the propellers will start spinning.

DISARMING THE AIRCRAFT

After landing the aircraft, hold the throttle stick down and to the left to disarm the motors. The LED indicators will change color followed by a long beep and propellers will stop spinning. Make sure all the LED indicators are solidly lit by the same color (either Green or Blue) with no blinking before moving the sticks back to central position. If the LEDs are blinking the aircraft is still in arming mode, keep the sticks in the same position until all the LEDs are solid (either Green or Blue)

(Left)   *(Right)*
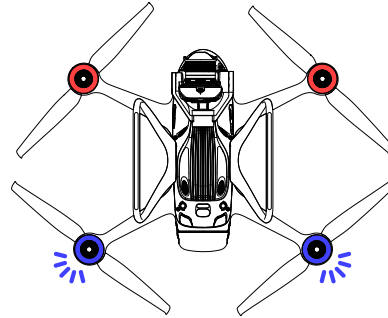
Push the both control sticks down and to the right and wait for the LED's light change. Move the throttle stick to the middle position and the aircraft is ready to take off manually.
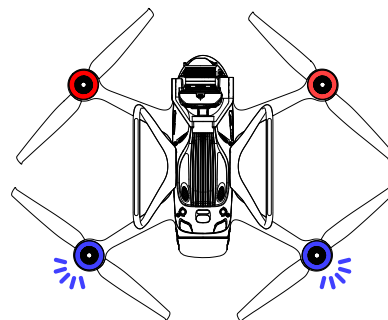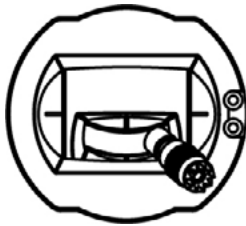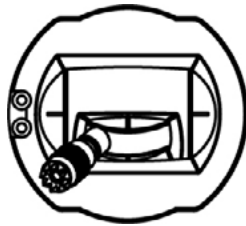
When disarming, the LEDs will blink rapidly with different colors followed by a long beep, the motors will then engage, and the propellers will start spinning.

Ensure the aircraft is fully disarmed (either solid Green or Blue LED) before returning the left thumb stick to the middle position.

AUTO TAKE OFF AND LANDING

For ease of operation and to assist beginner operators, the EVOLVE 2 aircraft can take off and land automatically.

AUTO TAKE OFF PROCEDURE

1. Short Press and Long Press the Auto Take Off button for 3 seconds.
2. Take off dialog will pop up on the screen. Release the button to cancel action anytime.
3. The aircraft will arm itself and take off.
4. The aircraft will rise to 4 to 5 ft. (If the aircraft is in POSITION mode it will hold position until the operator takes over, but if it is in ALTITUDE mode the operators needs to correct the altitude to prevent drifting.)

Follow the previous pre-flight check, as stated in arming the aircraft above.

AUTO LANDING PROCEDURE

1. Short Press and Long Press the Auto Take Off button ⬆⬇ for 3 seconds.
2. Take off dialog will pop up on the screen. Release the button to cancel action anytime.
3. The Ground Station will voiceover to indicate the aircraft ready to descent. (during the descent the operator can reposition the aircraft to clear obstacles or land in preferred spot)
4. Upon landing, the aircraft will disarm automatically.

🔔 After confirming the land operation, the Ground Station will update the status to indicate that the aircraft is landing.

RETURN TO HOME

This feature brings the aircraft back to the location it first acquired a home lock position utilizing the GPS signal. Ensure GPS signal is fixed before takeoff (when all 4 LED lights located under the motors are solid green a GPS home lock is achieved) to bring it back to your home point position, when it reaches the home position the aircraft will hover for 5 seconds then land automatically. During the descent the operator can move the aircraft's position to clear away from obstacles on the ground or land in a preferred spot. At any point during the RTH mode, it can be modified by pressing the RTH button again and confirming the RTH cancel. The aircraft will then switch back into the mode which the 3-position switch mode is selected.

The number of GPS satellites acquired and signal strength can also be checked on the top screen of the Ground Station. The minimum number of satellites needed is 6. Signal health will be confirmed by a (Excellent / Good / Fair / Poor) message on the APP.
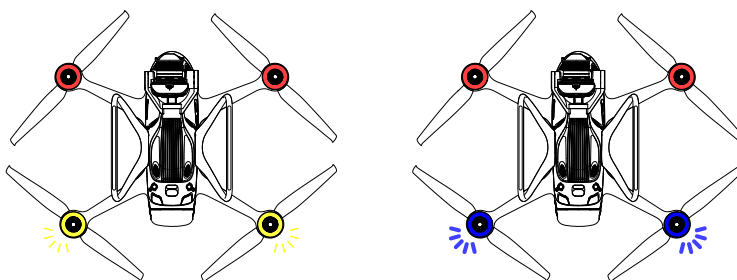
RETURN TO HOME BUTTON PROCEDURE

1. Make sure GPS Signal is showing at least 'Good' (if not, visually track the aircraft as it flies back to home position).

2. Press and hold the Return to Home button (H) for 3 seconds.

3. The aircraft will ascend to a pre-set altitude, or if at a greater altitude than the programmed altitude it will remain at that altitude, and then return to the Home Point in shortest path (straight line).

4. The Smart Pilot System indicates the aircraft is under Return to Home Mode.

5. When reaching the home point, the aircraft will hover for few seconds then proceed to auto land (during the descent the operator can reposition the aircraft to clear away from obstacles or land in preferred spot).

LANDING AND RETURN TO HOME CANCELLATION

When Landing and Return to Home is in process, the user may stop the Return to Home process by tapping on the cancel button located on the right OR press and hold the Auto Takeoff/Landing and RTH hard key until the process is cancelled.
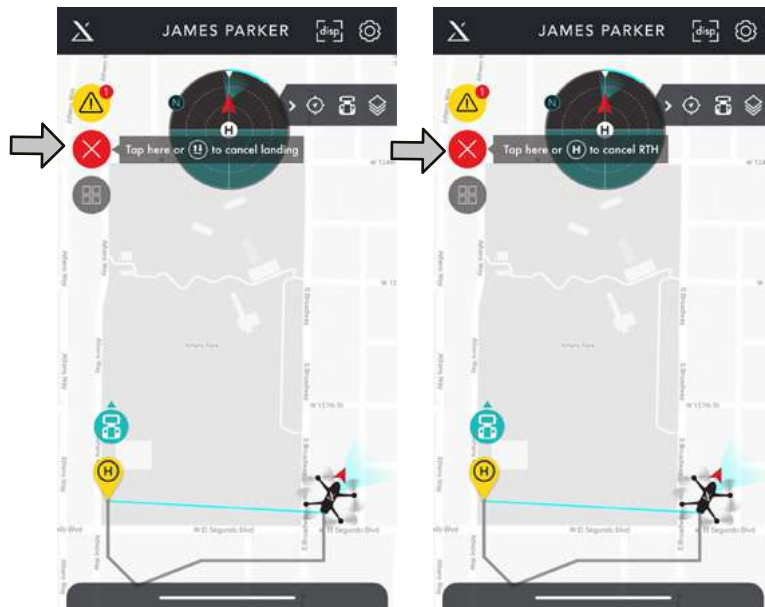
DETERMINING THE RETURN TO HOME ALTITUDE

Depending on the flight conditions and obstacles in the return to home flight path, the operator can choose a safe return altitude for the Return to Home function. This altitude should be set up before flight under the APP configuration tab.

A low altitude setting is not recommended for obstacle clearance (such as trees or buildings). Also notice the maximum legal flight altitude for each flight. This configuration allows the aircraft to reach a programed altitude before starting to fly back to the home position. If the aircraft is below the programed altitude it will ascend to the programmed altitude, then proceed to the home position. If the aircraft is above the programed altitude it will remain at that altitude and then proceed to the home position.

To configure the Return to Home Altitude, user may change it under the following path: DRONE SETTINGS > AIRCRAFT > RETURN TO HOME ALTITUDE

🔔 This altitude setting is also used for Return to Home function in case the failsafe is triggered due to loss of signal or power loss of the Ground Station.

MAP (FLIGHT MAP/OFFLINE MAP)

The Ground Station will automatically turn off the internet connection once the aircraft is launched. Download the map of your area before your flight and please ensure you go through the START HERE > CHECKLIST > FLYPAGE.

🔆 Double check that the Ground Station has automatically downloaded the map around your area before you take off.

🔔 Turning on internet connection after takeoff is not advised, as this causes interferences.

OFFLINE MAP (PRELOADED MAP)

To ensure that the map can be displayed without network connection, Smart Pilot APP offers the offline map download feature. Follow the steps below to download the map:

1. Connect Ground Station to an internet connection with download capabilities
2. Navigate to the Offline Map under the following path: DRONE SETTINGS > MAP > OFFLINE MAP
3. Tap "+" to create a new offline map area
4. Search for plane or address directly or tap the map to the designated area
5. Tap "Download" to start downloading the map
6. Smart Pilot APP will indicate the download progress

RADAR

The Radar offers a lot of useful information that will impact your flight:
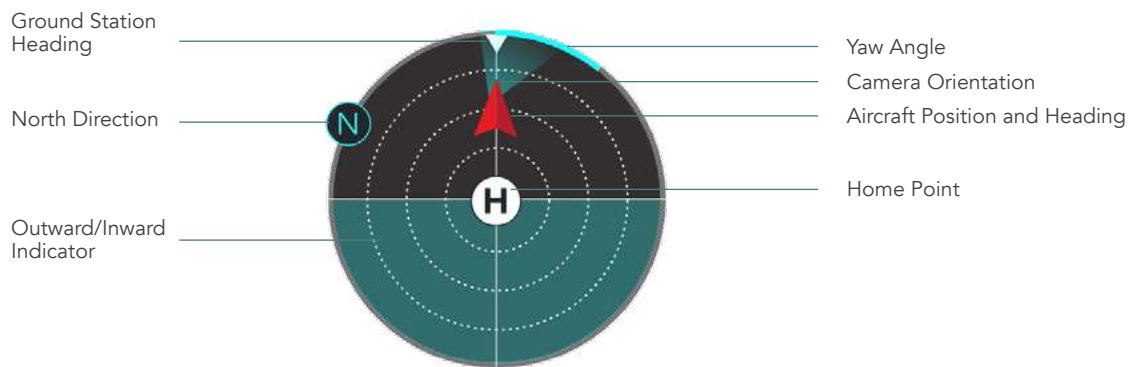
PRODUCT SPECIFICATIONS

PRODUCT SPECIFICATION

CAMERA SYSTEM

ITEM	SPECIFICATION
Controllable Range	Pitch -90° to +/-20°
Gimbal Accuracy	Static Stability: ±0.01°, Motion Stability: ±0.2°
Stabilization	3-axis (pitch, roll, yaw)
Power Output	
Voltage	
Output Current	
Net Weight	4.2 oz (120 g)
Dimensions	TBC
Operating Temperature	0 to 40°C
Input Voltage	
CMOS Sensor	4/3 WDR CMOS Sensor
Supported Lens	Panasonic Lumix 15mm/1.7 (Coming Soon) Panasonic Lumix 42.5mm/1.7 (Coming Soon) Olympus M.Zuiko 12mm/2.0 Olympus M.Zuiko 17mm/1.8 Olympus M.Zuiko 25mm/1.8 Olympus M.Zuiko 45mm/1.8
ISO Range	Video: 100 - 12800, Photo: 100 - 25600
Shutter Speed	Video : 1/8000s – 1/24s Photo : 1/8000s – 30s
Max Photo Resolution	3:2 3840*2560 (L), 16:9 3840*2160 (L), 1:1 2752*2752 (L)
Video Resolution	4096x2160@100/60/59.94/50/48/47.96/30/29.97/25/24/23.98fps 3840x2160@120/100/60/59.94/50/48/47.96/30/29.97/25/24/23.98fps 2704x1520@120/100/60/59.94/50/48/47.96/30/29.97/25/24/23.98fps 1920X1080@240/120/100/60/59.94/50/48/47.96/30/29.97/25/24/23.98fps
Max Video Bit Rate	200Mbit/s
Photo File Formats	JPEG, DNG, JPG+DNG
Video File Formats	MP4, MOV

ITEM	SPECIFICATION
Encoding	H.264, H.265, ProRes 422
Video Mode	Normal, Time-lapse, Slow motion, HDR10
Photo Mode	Single shot, Burst Shot, Bracketing, Interval Timer Shot, HDR
Exposure Mode	Auto, Manual, TV, AV
Metering Mode	Center-weighted, Evaluative, Partial, Spot
White Balance	Auto, Daylight, Fluorescent, Cloudy, Incandescent, Manual(2300k-7500k)
Focus Mode	AF-S, AF-C, MF
Color Profile	Standard, X-log

GROUND STATION

ITEM	SPECIFICATION
Processor	RK3399K Quad Core 2.0GHz Cortex-A72 *2 Cortex-A53 *4 Mali-T864 GPU
Operating System	Android 8.1
Memory	4GB LPDDR4
Internal Storage	64GB eMMC 5.1
Supported SD Card Types	Micro SD (SD/SDHC/SDXC) / Max. 64GB
Upper Display (View Finder)	8" 1080p Multi-Touch Screen Anti-reflective Coating Luminance: 1000cd/m2
Lower Display (Console)	5.5" 1080p Multi-Touch Screen Anti-reflective Coating Luminance: 1000cd/m2
Embedded Camera	2592*1944 Front Camera
Max Transmission Distance	11 km, FCC Compliant, unobstructed and no interference
2.4G Live View SRD	Frequency: 2412MHz ~ 2467MHz
2.4G SRD External Antenna (Optional)	Antenna Type: Dipole Antenna, Antenna Gain: 5dBi
Max Live View Distance	36089 ft (11000 m), FCC Compliant, unobstructed and no interference
Live View Quality	1080p @ 60 fps
Live View Transmission Latency	<50ms
Wireless Connectivity	IEEE 802.11a/b/g/n/ac
Peripheral Connectors	HDMI x 1 USB TypeC x 1 SD Card x 1

Sensors	Magnetometer
	Accelerometer
	Three-axis gyroscope
	Light Sensor
Operating Temperature	14°F~104°F (-10°C~+45°C)
Dimensions	9.1in(D) x 7.1in(H) x 4.1in(W) (231.4 x 180 x 103 mm)
Weight (Including Battery)	3.40 lbs. (1.55kg)

GROUND STATION BATTERY

ITEM	SPECIFICATION
Capacity	6700 mAh Li-Po 3S
Voltage	10.8v
Battery Type	Lithium-ion Polymer
Energy	72.36 Wh
Net Weight	14.1 oz (400 g)
Dimensions	147 mm*63.5 mm*38 mm
Operating Temperature	-4°F - 140°F (-20°C - 60°C)
Max Charging Voltage	12.6V

AIRCRAFT

ITEM	SPECIFICATION
Supported SD Card Types	Micro +C3: C62USB, SD card, Type-C, CFast
Connectivity	Micro USB
Diagonal Size (Excluding Propellers)	21.4 in (543 mm)
Weight (Including Battery)	4.4lbs (2.00kg)
Max. Rotation Speed Motors	6600rpm
Max Ascent Speed	16.4ft/s (5m/s)
Max. Descent Speed	8.2ft/s (2.5m/s)
Max. Horizontal Speed	57mph (92km/h) in SPORT Mode
IP Rating	
Operating Temperature	14°F - 104°F (-10°C~+45°C)

AIRCRAFT BATTERY

ITEM	SPECIFICATION
Capacity	6700 mAh 4 Cell LiPo
Voltage	14.8V
Battery Type	Lithium-ion Polymer
Energy	99.16 Wh
Net Weight	21.69oz (615g)
Dimensions	7.48in x 3.38in x 2.28in (190mm × 86mm × 58mm)
Operating Temperature	32°F - 104°F (0°C~+40°C)
Max Charging Voltage	17.4V

XDYNAMICS

USER MANUAL **v1.3**

2021.11
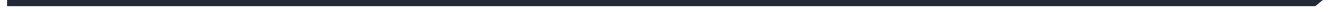
BATTERY

BATTERY USE

- DO NOT allow the batteries to come into contact with any kind of liquid. DO NOT leave batteries out in the rain or near a source of moisture. DO NOT drop the battery into water. If the inside of the battery comes into contact with water, corrosion may occur, potentially resulting in the battery catching on fire, and may even lead to an explosion.
- Never use non-XDynamics batteries. Go to www.xdynamics.com to purchase new batteries. XDynamics takes no responsibility for any damage caused by non-XDynamics batteries.
- Never use or charge swollen, leaky, or damaged batteries. If your batteries are abnormal, contact XDynamics or an XDynamics authorized dealer for further assistance.
- Never install or remove the battery from the aircraft when it is turned on. DO NOT insert or remove batteries if the plastic cover has been torn or compromised in any way.
- The battery should be used in temperatures from 32°F to 104°F (0°C to 40°C). Use of the battery in environments above 50°C can lead to a fire or explosion. Use of battery below 32°F (0°C) can lead to permanent damage
- DO NOT use the battery in strong electrostatic or electromagnetic environments. Otherwise, the battery control board may malfunction and cause a serious accident during flight.
- Never disassemble or pierce the battery in any way or the battery may leak, catch fire, or explode.
- Electrolytes in the battery are highly corrosive. If any electrolytes make contact with your skin or eyes, immediately wash the affected area with fresh running water for at least 15 minutes, and then see a doctor immediately.
- DO NOT use the battery if it was involved in a crash or heavy impact.
- If the battery falls into water with the aircraft during flight, take it out immediately and put it in a safe and open area. Maintain a safe distance from the battery until it is completely dry. Never use the battery again, and dispose of the battery properly as described in the Battery Disposal section below. DO NOT heat batteries. Put out any battery fire using sand or a dry powder fire extinguisher
- DO NOT put batteries in a microwave oven or in a pressurized container.
- DO NOT place loose battery cells on any conductive surface, such as a metal table.
- DO NOT put the loose cells in a pocket, bag or drawer where they may short-circuit against other items or where the battery terminals could be pressed against each other.
- DO NOT drop or strike batteries. DO NOT place heavy objects on the batteries or charger. Avoid dropping batteries.
- Clean battery terminals with a clean, dry cloth.

- Before carrying the Intelligent Flight Battery onto an airplane, the battery must first be discharged to below 30%. Only discharge the battery in a fireproof location. (Please verify with IATA or FAA prior to your flight if any changes in regulation)

BATTERY USE

- Make sure the batteries are fully charged before each flight.
- Land the aircraft immediately when low battery level signals are activated.

BATTERY CHARGING

- The Intelligent Flight Battery is designed to stop charging when it is full. However it is a good practice to monitor the charging progress and disconnect the batteries when fully charged.
- Ensure the Intelligent Flight Battery is turned off at all times during charging.

BATTERY STORAGE

- Discharge the battery to 40%-65% if it will NOT be used for 10 days or more. This can greatly extend the battery life.
- The battery automatically discharges to below 65% when it is idle for more than 10 days to prevent it from swelling. It takes approximately 3 days to discharge the battery to 65%. It is normal that you may feel moderate heat emitting from the battery during the discharge process.
- DO NOT store the battery for an extended period after fully discharging it. Doing so may over-discharge the battery and cause irreparable battery cell damage.
- The battery will enter hibernation mode if depleted and stored for a long period.
- Recharge the battery to bring it out of hibernation.
- Remove batteries from the aircraft when stored for an extended period.

BATTERY DISPOSAL

- If the power on/off button on the Intelligent Flight Battery is disabled and the battery cannot be fully discharged, please contact a professional battery disposal/recycling agent for further assistance.

BATTERY MAINTENANCE

- Never over-discharge, as this may lead to battery cell damage.
- Battery life may be reduced if not used for a long time.
- Fully charge and discharge the battery at least once every 3 months to maintain battery health.

TRAVEL NOTICE

- Store Intelligent Flight Batteries in a ventilated location.

Battery Charging

- DO NOT attach the batteries to wall outlets or car charger sockets directly, and always use a XDynamics approved adapter.
- XDynamics takes no responsibility if the battery is charged using a non-XDynamics charger.
- Never leave the battery unattended during charging. DO NOT charge the battery near flammable materials or on flammable surface such as carpet or wood.
- DO NOT charge battery immediately after flight, because the battery temperature may be too high. DO NOT charge the battery until it cools down to near room temperature. Charging the battery outside of the temperature range of 59°F - 104°F (15°C - 40°C) may lead to leakage, overheating, or battery damage.
- Disconnect the charger when not in use. Examine the charger regularly for damage to the cord, plug, enclosure, or other parts. DO NOT clean the charger with denatured alcohol or other flammable solvents. Never use a damaged charger.

Battery Storage

- Keep batteries out of the reach of children and pets.
- DO NOT leave the battery near heat sources such as a furnace or heater. DO NOT leave the batteries inside of a vehicle on hot days. The ideal storage temperature is (72°F - 82°F) 22°C - 28°C.
- Keep the battery dry. Never drop the battery into water.
- DO NOT drop, strike, impale, or manually short-circuit the battery.
- Keep the battery away from metal objects such as glasses, watches, jewelry, and hairpins.
- Never transport a damaged battery or a battery with power level higher than 30%.

Battery Disposal

- Dispose of the battery in specific recycling boxes only after a complete discharge.
- DO NOT place the battery in regular trash containers. Strictly follow your local regulations regarding the disposal and recycling of batteries.

Battery Maintenance

- Never use the battery when the temperature is too high or too low.
- Never store the battery in environments with a temperature higher than 140°F (60°C).