



Figure1

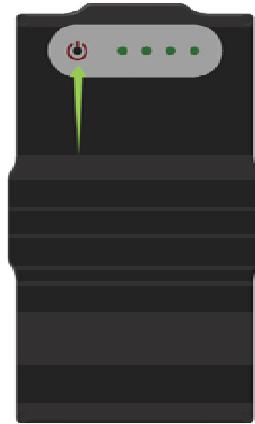


Figure2

Refer to the above figures to charge the flight battery.

⚠The battery needs to be powered on for charging. (Short press the power button once, then long press the power button for three seconds.)

When charging, the charger indicator light **turns yellow**. After charging is completed, the charger indicator light **turns off** (battery voltage is about 25.2V). Please remove the battery as soon as possible after charging is completed.

4. Insert/Remove the Intelligent Flight Battery



Figure1



Figure2

Insert the battery:

1. Open the two locks on the side and flip open the drone's top cover. (Figure1)
2. Press the flight battery into the compartment.
3. Cover the drone's top, fasten two locks.

Remove the battery:

1. Lift up the rear end of the battery firstly.
2. Grab the two sides and take it out. (Figure2)

⚠The drone is no longer waterproof when the battery hatch is open.

⚠Please make sure the battery is pressed down completely to prevent loosening causing flight abnormalities.

⚠Before inserting the batteries, make sure that the battery and the battery compartment are clean and free of dust and water drops.

5. Insert MicroSD Card



1. Open the rubber sealing on the top of the camera, insert the microSD card in the correct direction, and press the microSD card, the "click" sound indicates that the installation is in place.
2. After installing the microSD card, plug the rubber seal back.

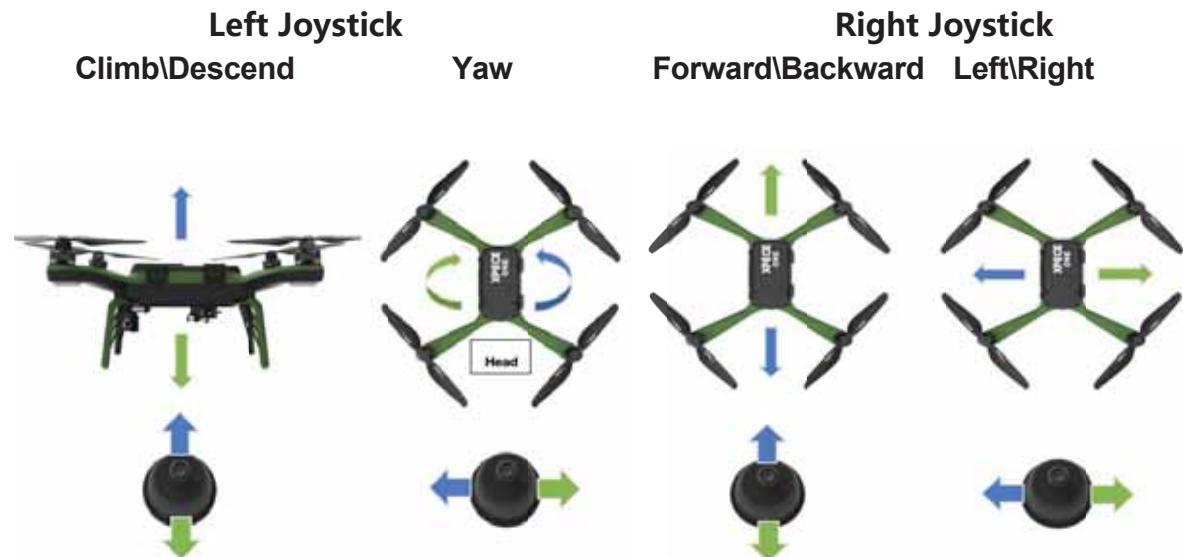
⚠ Please make sure that the rubber plug and the sealing surface are clean and free of dust, sand and other impurities; and install the rubber plug tightly to prevent water from entering the camera.

6. Flight Modes

Toggle the flight mode switch to change the flight mode of the drone.

Flight Mode	Descriptions
Grandpa	In Grandpa mode, the drone maintains a fixed position and altitude while hovering, with a maximum flight speed of 3M/S .
Medium	In Medium mode, the drone maintains a fixed position and altitude while hovering, with a maximum flight speed of 8M/S .
Fast	In Fast mode, the drone maintains a fixed position and altitude while hovering, with a maximum flight speed of 10M/S .

7. Control the Aircraft



8. Power ON/OFF



Aircraft Power ON/OFF

Open the battery cover, short press the power button once on the battery, then long press it.

**Remote control Power ON/OFF**

Power on: Short press the power button once, then long press and hold it until the remote control vibrates and all the battery indicators light up.

Power off: Short press the power button once, then long press it until all the battery indicators go out.

9. Start and Stop the Motors

Start(Unlock) the Motors



Perform the Combination Stick Command (CSC) **inward** as shown to start the motors. Once the motors have started spinning, release both sticks simultaneously.

Stop(Lock) the Motors



When the aircraft is on the ground and the motors are spinning, there are two ways to stop the motors:

Method 1:

When the aircraft has landed, push the throttle stick down and hold until the motors stop.

Method 2: When the aircraft has landed, perform the CSC **outward** used to start the motors until the motors stop.

10. Attach/Detach the Propellers

Attach the Propellers



Figure1



Figure2



Figure3

1. Place propeller CCW on motor CCW. /Place propeller CW on motor CW.
2. Hold the motor firmly with one hand, the other hand to press the propeller to clamp the blade. (Figure1)
3. Rotate the nut to lock the propeller clamp - align two white marks. (Figure2)

Detach the Propellers

1. Rotate the nut in the opposite direction to loosen the propeller clamp. (Figure2)
2. Pull the propeller out of the propeller clamp. (Figure3)

⚠ Always place one hand under the motor to support it when installing or removing propellers. Failure to provide this support could result in bending or breaking the landing gear and antennas inside.

⚠ The propellers are sharp, please be careful to avoid injury.

⚠ Do not use broken propellers. Replace the propeller if there is any damage or wear to the propeller.

⚠ Ensure there is no wobble on the propeller after you install it.

⚠ Before each flight, please check that the propellers are smooth all over and are correctly installed and securely fastened. Spin each propeller by hand to check that the motors are free of sand or salt and spin freely.

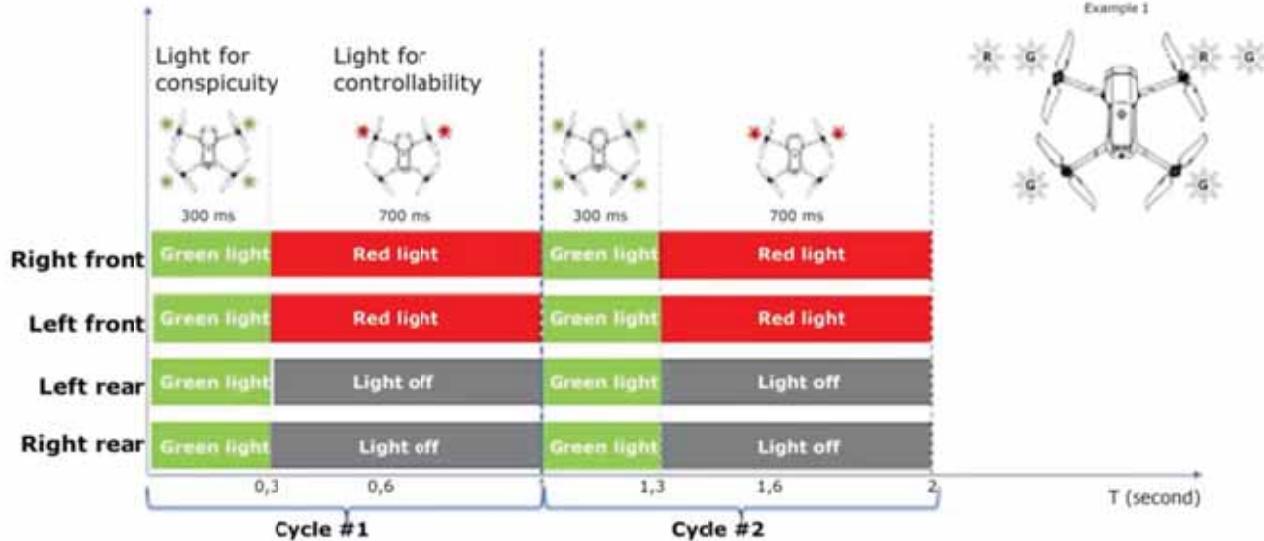
Aircraft

1. Aircraft Status Indicator

J

J

Solution 1



Green light flash frequency: 60 times per minute

Green light on - cycle: Front lights = 30 %, rear lights = 30 %

2. Intelligent Flight Battery

The XPECE-ONE intelligent battery has its management system, teamed with high-performance 21700 lithium cells to provide up to 30 minutes of flight time.

The XPECE-ONE intelligent battery provides:

- Real-time power monitoring and alerting
- Integrated balance charging to ensure battery health, safety, and long life by constantly monitoring battery health, state-of-charge, and temperature.
- Battery charging and usage data logging to allow for better battery management and event recording.



Check the Battery Level

When the battery is off, short press the power button and the LED will indicate the battery level.

LED A	LED B	LED C	LED D	Battery Level
■				0%-25%
■	■			25%-50%
■	■	■		50%-75%
■	■	■	■	75%-100%

Battery Error Warning

LED A	LED B	LED C	LED D	Warnings
■				⚠ Battery overcharge (overvoltage)
	■			⚠ Battery over-discharge (undervoltage)
				⚠ Battery overcurrent
		■		
			■	⚠ Battery overtemperature

Low Battery Warning

Xpece ONE has 2 low battery warnings to inform aircraft of low battery levels.

Level 1 Low Battery Warning

When the aircraft battery level has reached **21 V**, the remote controller would vibrate and prompt "**Aircraft low battery, returning home**". The aircraft would fly back to take-off location.

Level 2 Low Battery Warning

When the aircraft battery level has reached **20 V**, the remote controller would vibrate and prompt "**Aircraft severely low battery, landing in 10 seconds**". After 10 seconds, the aircraft would start landing to protect the aircraft and battery. The drone voltage in the upper right corner of the remote control keeps flashing and prompts "Serious low battery, auto-landing...".

⚠️ During the return process, you can control the joystick to avoid obstacles and return safely, but this operation will exit RTH Mode. Please operate with caution. If you want to continue the return process, short press the "COME HOME".

⚠️ During the flight, it is important to constantly check the battery voltage, as flying in the conditions like strong wind, rapid movements, and heavy load can deplete the battery more rapidly.

⚠️ DO NOT continue to fly the aircraft after reaching Level 2 Low Battery Warning. This would cause damage to the battery and the aircraft to crash.

3. Return to Home (RTH)

RTH Altitude

The default return altitude is set to 20 m.

When the return starting point is lower than 20 m, the drone will automatically rise to 20 m and then return; if it is higher than 20 m, the drone will return directly.

Lost Control Fail-safe RTH

Fail-safe RTH automatically activates when there is a **signal loss** between the remote controller and the aircraft. The aircraft would initiate RTH when activates. During the Fail-safe RTH process, if the remote controller reconnects to the aircraft, the aircraft will still return to home.

If you want to stop the RTH process, press COME HOME button or operate the joysticks to exit RTH.

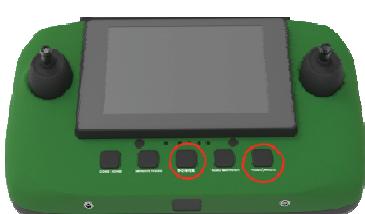
Low Battery RTH

Low Battery RTH activates when the flight battery voltage reaches **Level 1 Low Battery Voltage (21.0 V)**. The remote controller would vibrate, and prompt "**Aircraft low battery, returning home**". The aircraft would fly back to take-off location.

If you want to stop the RTH process, operate the joysticks to exit RTH.

4. Power-Flip

If the drone becomes inverted on the water, the Power-Flip feature enables the drone to flip back to its upright position.



When the drone floating upside-down on the water, press POWER and VIDEO|PHOTO button simultaneously until the remote control voice prompt "Initiate Flip".

Remote Controller

1. Remote Controller Display

Screen View (Standard Version)