

Dreamer Mini

Multi-Language User Manual

Disclaimer and Note

Dear Customers:

Thank you for purchasing this product. In order to operate the drone conveniently and safely, please read all instructions and warnings carefully before operating. Please also keep the instruction manual for future reference and maintenance.

1. IMPORTANT

(1) This product is not a toy. It is a precision device, integration machinery and electronics with air mechanics and high frequency transmission. It requires correct assembly and debugging to avoid any accident. The user should operate and control this product in a safe manner. In case of incorrect operation, it may cause serious injury or property damage. It can also be lost due to incorrect operation. We should assume no responsibility, because we can not control the process of assembly, use and operation of the aircraft.

(2) This product is suitable for experienced UAV pilots aged 14 and above.

(3) Flying place must be a locally legal flying site for R/C model.

(4) Once the product is sold, we will assume no safety responsibility arising from using, operation and control of the aircraft.

(5) In the event of a problem during using, operating of maintenance, please contact us by email, we will respond to you within 24 hours.

2. SAFETY PRECAUTIONS

The R/C aircraft model can be dangerous when in use, please make sure you keep it far away from any person or spectators when flying. Artificial incorrect installation or body damage, poor electronically-controlled device, or unfamiliarity with operation may cause damage to the aircraft or injure people or cause an unexpected accident. Please pay close attention to flying safety and learn to recognize more dangerous conditions which may cause an accident due to your own negligence.

3. PREFLIGHT PRECAUTIONS

(1) Check if the battery levels of transmitter and receiver are saturated.

(2) Check if throttle Joystick and throttle of the transmitter are trimmed at the centre position before power-on.

(3) Be sure to follow the ON/OFF sequence of power source upon power-on. Be sure to turn on the power of transmitter upon power-off. Incorrect ON/OFF sequence may cause the uncontrolled status of aircraft, thereby influencing personal safety. Please develop correct ON/OFF habit.

(4) Check if the connection between the battery and such parts as motor is firm and reliable.

The continuous vibration of aircraft may cause loose of power connector, thereby resulting in uncontrolled status of aircraft.

(5) Keep it far away from any structures or crowds. The R/C aircraft may danger. Therefore, please keep it far away from crowds, buildings, trees, structures, high voltage wire, etc. Please also avoid flying in adverse weather conditions such as rain, electrical storms, and high winds to ensure safety of the user, any spectators, and surrounding property.

(6) Keep it away from any moist environment. The inside of the aircraft is composed of many precision electronic and mechanical parts. Therefore, please try to avoid any moisture or water content from entering the main body of the aircraft as it may cause a breakdown of the electronic and mechanical parts and thus cause an accident!

(7) Only operate with included parts for intended use. Please use the original parts for any upgrade, re-equipping or maintenance to ensure flying safety. Please operate and use only under the scope of the product function permitted. DO NOT use for any illegal purpose or use beyond the scope of which your local laws and regulations have stipulated.

(8) Avoid controlling it independently. New users may have certain difficulties during the early stages of learning to operate the aircraft. Please try to avoid operating the aircraft alone. When available always operate the aircraft under the guidance of a more experienced user.

(9) Safe operation

Please operate the R/C aircraft according to your own state and flying skill. Any fatigue, bad mental state, or incorrect operation may increase the probability of accidental risk.

(10) When the operator is flying in high speed, please keep the aircraft far from the pilot and any surrounding persons or objects so as not to cause danger or damage.

(11) The R/C aircraft is composed of materials such as metal, fiber, plastic, electronics, etc.

Therefore, please keep it away from any heat source and avoid prolonged exposure to direct sunlight. Excessive heat exposure can cause distort and damage.

WARNING

1. There is important information contained in this package and instruction manual, please keep it for future reference.

2. You have the responsibility to make sure that this model of aircraft won't cause injury to others' body or cause any damage to property.

3. Please operate strictly as shown on the instruction manual when debugging or assembling this aircraft. During the process of flying or landing, be sure to keep a distance of 1-2 m away from the user or other persons so as to avoid injuring the head or face or body.

4. Our company and distributors won't be responsible for any incorrect operation, which may cause loss or damage or injury to the body.

5. Children aged 14 and above should use this product under the guidance of an adult. This product is FORBIDDEN to be used by children under 14 years old.

6. Please correctly assemble and use this product as shown on the instruction manual or packing instruction. Some parts should be assembled by an adult.

7. Small parts are included with this product. Please place it beyond the reach of the children to avoid a CHOKING HAZARD or parts being mistakenly swallowed.

8. Playing on the road or near high traffic areas is strictly FORBIDDEN so as not to cause an accident.

9. Please dispose of the packing material timely so as not to cause injury to children.

10. Please DO NOT disassemble or re-equip the aircraft as it may cause a breakdown of the aircraft during flying.

11. Please use the original charging cable.

12. The remote control uses 1.5V/AAA batteries (not included).

13. Only the original charger made by our factory can be used.

14. Charger is not a toy.
15. When charging the battery, please conduct it under the surveillance of an adult. Please also keep it far away from any combustible object when charging. Please keep this aircraft within eyesight when charging.
16. Please DO NOT make it short-circuited or squeeze the battery so as not to cause an explosion.
17. DO NOT mix the lithium battery with a different type of battery.
18. Please DO NOT make the batteries short-circuited or decompose the batteries or throw the batteries into the fire; DO NOT place the batteries near the high temperature or heated area (such as near the fire or near the electric heating device.)
19. Aircraft should be kept far away from any other electric compliance or equipment as far as possible or kept far away from the place where there is a magnetic object nearby as they may cause interference with each other.
20. Please keep the safe distance from the high-speed rotating rotor so as not to cause the danger of being twisted, wounded or cut.
21. Engine will heat up. Please DO NOT touch it to avoid being burned or injured.
22. The Light Emitting Diode can send out laser radiation. Please DO NOT shoot the light beam directly at someone and do not stare directly at it.
23. Please DO NOT close this product to your ear as it may cause injury to your hearing.
24. USB charging cable equipped.
25. To comply with the command of the magnetic environment requirement formulated by the related national authorities, during the regulated period in certain areas, please stop using the transmitter of this model when such regulation command is issued.

FCC ID: 2AUYR-DSDR01A-11D

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FLY SAFE



Fly in open areas



Sunny and windless



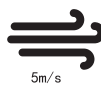
Maintain line of sight



Fly Under 50m






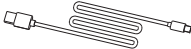




Avoid leaping or getting near to the crowds, trees, high voltage power lines, buildings, airports or territorial waters, as well as high-intensity power line base stations as it may affect the drone's compass.

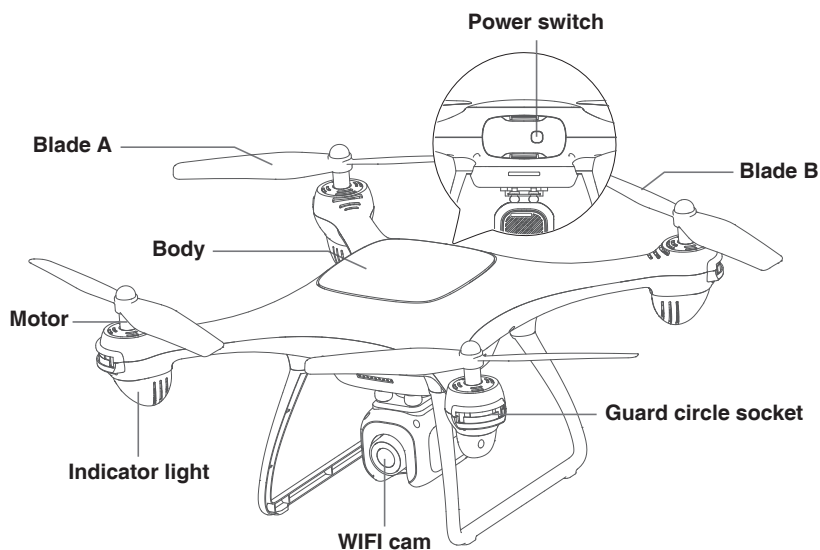


Do not use the product under bad weather conditions, such as rain, snow, fog or when the wind speed exceeds 5m/s or 10mph.

Accessories List

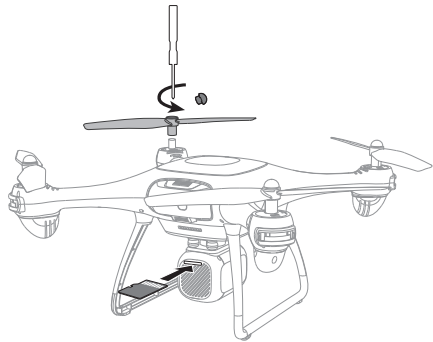
 <p>Drone with camera</p>	 <p>Battery</p>	 <p>Remote control</p>
 <p>Extra blades pair (A&B)</p>	 <p>Guard bar</p>	 <p>USB charging cable</p>
 <p>Screw driver</p>	 <p>User manual</p>	

Drone Overview



Replace the blades

- 1. Replace with a new blade at the corresponding position. Blade A should be installed on position A, while blade B should be installed on position B. If the blades are installed on the wrong position, the drone will be unable to be operated or controlled.
- 2. Bland A rotates clockwise and blade B rotates anticlockwise while flying.



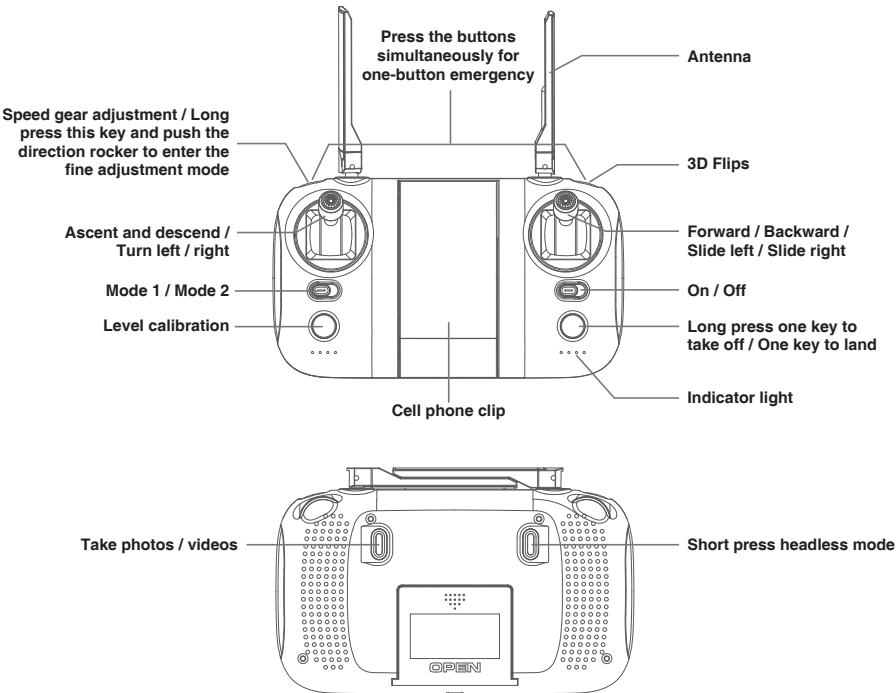
Micro SD Card Slot
(Only for DSDR05B model)

Insert the micro SD card into the slot of the camera. The minimum capacity of SD card is 4GB and the maximum is 128GB. All images and video files will only be recorded on the SD card, not saved in the App or your phone. You can manually upload from the gallery to your phone. The package list does not contain SD card.

Drone Light Status

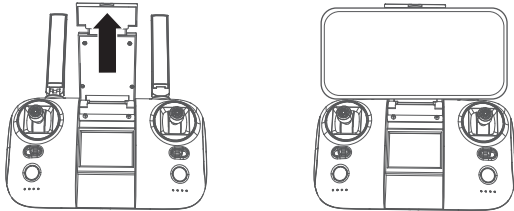
Headless mode	Front lights (Red) blink slowly
	Rear lights (Blue) on stably
Drone Low Power	Four lights blink slowly
Drone Disconnected	Four lights blink quickly
Emergency Stop or Rollover (Motor stopped)	Four lights blink quickly

Remote Control Diagram

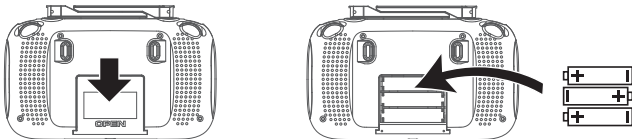


Push the phone holder upwards as shown in the figure, insert one side of the phone into the bottom slot of the phone holder, and then pull the phone holder lever upwards until the phone is inserted.

After taking out the mobile phone, the stretching part of the mobile phone clip will automatically retract the mobile phone clip, and then put the mobile phone clip into the remote controller.



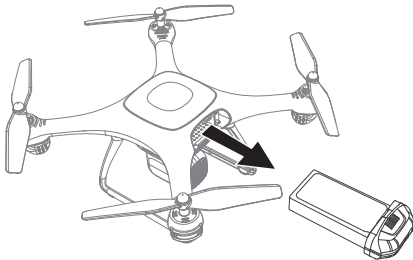
Three AAA batteries required in the remote controller (Please purchase the battery separately).



- a. The remote control uses 3 "AAA" non-rechargeable batteries, or "AAA" rechargeable batteries. (sold separately)
- b. Pay attention to the polarity of the battery when installing or replacing the battery.
- c. Non-rechargeable batteries are not rechargeable and can only be used with the same or the same battery as the recommended battery.
- d. Do not mix old and new or different types of batteries.
- e. Exhausted batteries should be removed in time, and discarded batteries should not be thrown.
- f. If you do not use it for a long time, please remove the battery to avoid damage to the product caused by battery leakage.

Charging the Aircraft's Battery

Press the battery clip and pull the battery out then the battery can be taken out from the aircraft.

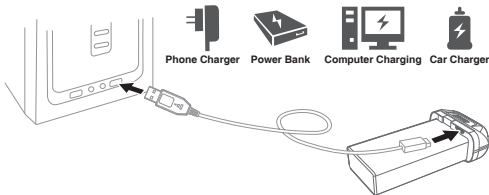


Lithium battery charging instructions

- 1. Taking out the USB charging cable, connecting the battery port to the charging head, then plug the USB terminal into the USB port on the computer (or USB power adapter) to charge the battery. The USB charger light stays red when charging, and the light stays green when charging is completed.
- 2. Aircraft's lithium battery charging period is 150 minutes(depends on the charging power source).

Notices for charging

- * Do not place the charged battery in a place of high temperature and heating, such as a flame or an electric heating device, otherwise damage or explosion will occur.
- * Do not strike or hit a hard surface with a battery.
- * Do not disassemble the battery.
- * Do not put the battery in water, the battery should be stored in a desiccative place.
- * Personnel must not leave when charging.



Operation Method

1	Ascend / Descend / Left / Right Turn	Use "left control stick" to control the altitude & rotation during flight.	
2	Forward / Backward / Left / Right	Use "right control stick" to control forward / backward / left / right during flight.	
3	Fine-adjusting to the left / right / forward / reverse side	When flying, if the drone moves to the right, adjust it by fine tuning on the left. When the drone moves to the left, adjust it by fine tuning on the right. When flying, if the drone is offset backward, it shall be adjusted by fine tuning according to the front; when the drone is offset forward, it shall be adjusted by fine tuning according to the rear.	
4	360° rotation to the left / right / forward / reverse	Short press the upper right button, then push the right joystick to the left/right/up/down, and the drone will roll 360° to the left/right/up/down accordingly.	
5	Headless	In the headless mode, the operator does not need to recognize the position of the drone nose. It only needs to control the drone according to the direction of the joystick of the remote controller.	
6	Switch mode	Turn the switch to the left for Mode 1(American hand mode). Turn the switch to the right for Mode 2(Japanese hand mode).	
7	Emergency landing	When the drone encounters an obstacle or an emergency, press the speed button and the flip button on the remote controller at the same time as shown in the picture to make an emergency landing.	

PotensicFly App

Search and download "PotensicFly" app.



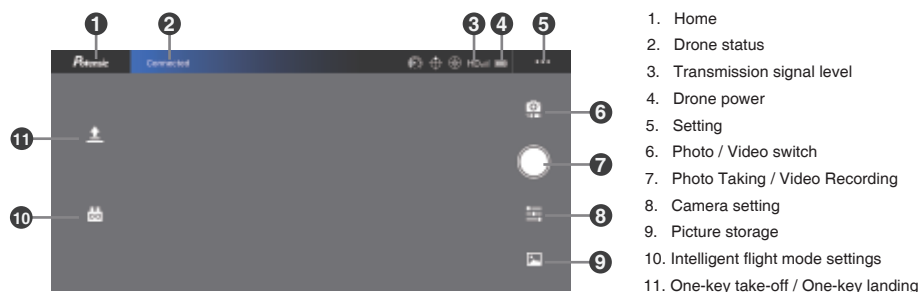
For smart phone with Android 5.0+:
Search and download "PotensicFly"
from Google Play.



For smart phone with iOS 9.0+:
Search and download "PotensicFly"
from App Store.



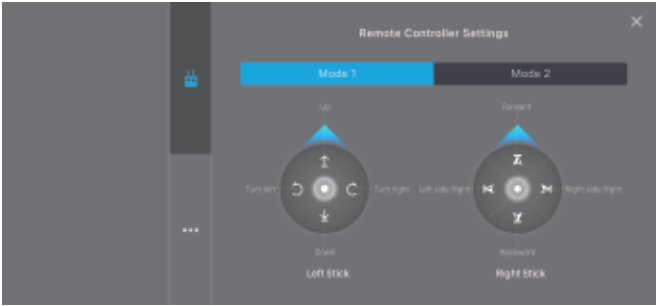
Operation Interface



Intelligent Flight Mode



There are two remote control modes of this product, mode 1 and mode 2. Mode 1 is the default setting.



Specification

Drone

- Maximum ascending speed: 3m/s
- Maximum descending speed: 2m/s
- Maximum horizontal flight speed: 5m/s
- Flight time: Max 20 minutes
- Working environment temperature: 0 ~ 40°C
- Working frequency: 2.402 ~ 2.483GHz

Camera

- Photo shooting mode: Single photo
- Lens rotation range: +0° ~ 90°
- Image format: JPEG
- Video format: MP4(AVC/H.264)
- Micro SD card: 4-128GB with transmission speed of class10 and above(not included)
- Working environment temperature: 0 ~ 40°C

Remote Control

- Working frequency: 2.402 ~ 2.483GHz
- Maximum effective distance of signal: 1080P Max 100m / 2.7K Max 200m
- Working environment temperature: 0 ~ 40°C
- Battery: AAA batteries * 3 (not included)

Battery

- Capacity: 1500mAh 5.55wh
- Voltage: 3.7V
- Battery type: Li Po 1S
- Working environment temperature: 0 ~ 40°C

Charging Cable

- Rated input: DC 5V/1A
- Rated output: DC 3.7V/850mA
- Rated power: 5.55wh

Potensic

Name

Dreamer mini

Model

DSDR05D

DSDR05B

Resolution

1080p

2.7k

Manufacturer

Shenzhen Deepsea Excellence Technology Co., Ltd.

Address

5th Floor, Building 7, Hongfa High-tech Park, Keji 4th Road,
Shiyan Street, Baoan District, Shenzhen

Battery information

Capacity: 1500mAh, 3.7V 5.55wh

Adapter information

Input: 5V \equiv 1A

Output: 3.7V \equiv 850mA

EC REP 1: DST Co., Ltd. Fifth Floor 3 Gower Street, London, WC1E 6HA, UK

EC REP 2: Like Sun GmbH. Planckstr.59, 45147 Essen, Germany

 www.potensic.com

 support@potensic.com



MADE IN CHINA

CAUTION

This toy is recommended for children 14 years of age and older. To ensure that the child's play is both safe and fun, please read the operating instruction and the general safety rules with your child.

Keep eyes, face, fingers and hair away from the rotor blade, tail blade and gear, as they will rotate at very high speed while the aircraft is flying.

Adult supervision is recommended when the aircraft is being operated.

WARNING



DANGER
Only suitable
for age 14+

Warning: The product should only be used by adults and children over 14 years. Adult supervision is required for children under 14 years.

Hinweis: Dieses Produkt ist für die Erwachsene und die Kinder ab 14 Jahren. Die Kinder unter 14 Jahren müssen von Erwachsenen beaufsichtigt werden.

Avertissement: Ce produit est destiné aux adultes et aux enfants de plus de 14 ans. Les enfants de moins de 14 ans doivent être surveillés par des adultes.

Avvertimento: questo prodotto è destinato all'uso per i adulti e bambini di età superiore ai 14 anni. I bambini di età inferiore ai 14 anni devono essere sorvegliati da un adulto.

Advertencia: Este producto es para adultos y niños mayores de 14 años. Los niños menores de 14 años deben ser supervisados por adultos.

警告: この製品は、大人と14歳以上の子供には使用対象です。14歳未満の子供は大人の監視が必要です。

DSDR05D:  R 214-113197

DSDR05B:  R 214-113196

