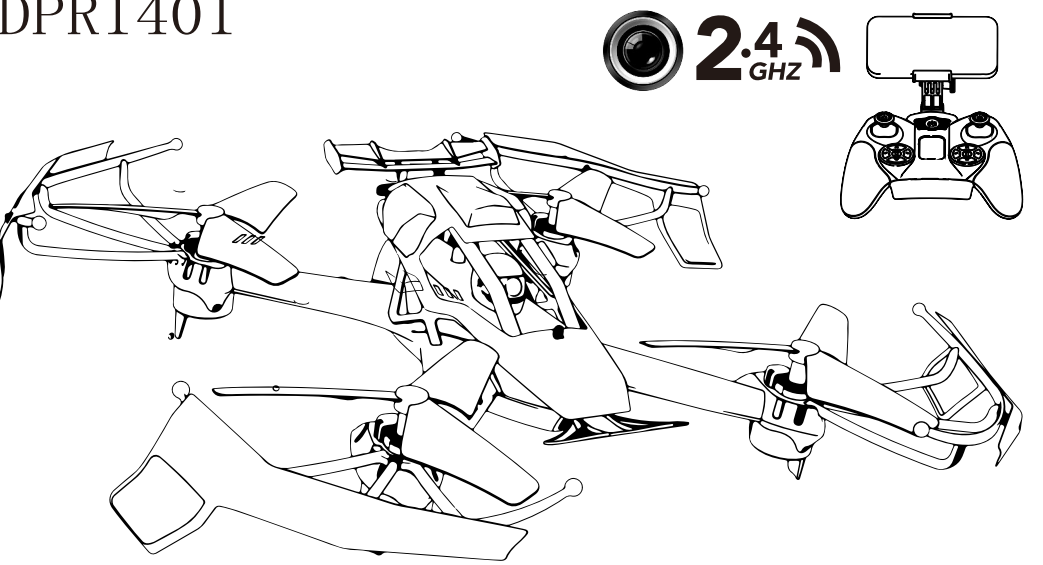


DRONE PRO RACERS

DPR1401



USE R GUIDED

CONTENTS

Drone Pro Racer

Playset

WARNING

G

Label Legend

Suitable for indoor or outdoor which under grade 3 winds.

WARNING

Read and follow the instructions carefully. Do not use the drone in a way that causes damage to property, people, or animals.

CAUTION

Read and follow the instructions carefully. Do not use the drone in a way that causes damage to property, people, or animals.

PROHIBITED

Do not use the drone in a way that causes damage to property, people, or animals.

Battery Management

Charging the Lipo drone battery

1). Connect the USB cable to the computer.

2). Step 1 + connect the battery pin to USB cable.

LED Charging status

| LED status           | Charging status |
|----------------------|-----------------|
| LED is red solid on  | Power on        |
| LED red light is off | Charging        |
| LED is red solid on  | Battery is Full |

Connecting the Lipo battery to the Drone Racer

1). Ensure that the drone is switched off.

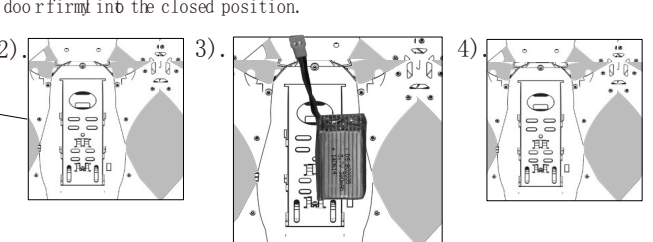
2). Slide the battery compartment door back to unlock and swing open.

3). Insert the battery as in the picture and connect the pins together.

4). Swing closed and slide to lock the battery door firmly into the closed position.

1).

ON / OFF



Please pay attention to the following

(1) During charging, the charger should be put in a dry and ventilated place and away from flammable and explosive substances.

(2) Only used to charge 2S Li-ion Lipo battery pack. Do not charge other battery types to avoid damage.

(3) Never leave the charger unattended during the charging process to avoid fire or electric shock.

(4) Never immediately charge your battery pack as soon as the flight is finished, or else it is temperature down too low, otherwise the battery will be at a risk of swelling or even fire.

(5) Ensure the connection of polarity before connecting the battery to charger.

(6) Avoid drop and vibration during the process of charging, drop and vibration will break the internal circuit of the battery.

(7) For the sake of safety, please use original battery charger and battery pack. Please do not use any other than the original one. It is because a short circuit will happen if the wrong voltage is used to charge and will damage the battery.

(8) It is not advised to charge for a long time after automatic discharge. The battery as a automatic discharge. When the charge is finished, the voltage of individual cell is lower than the rated voltage. It will charge and automatic discharge will damage the life of the battery pack. It is advised that please set off the power switch and the battery after the charging is successful.

5. Maintenance of the battery pack

(1) The battery pack should be put in a dry and ventilated place. The storage temperature of environment is suggested from 10°C to 25°C.

(2) Please avoid frequent charging and excessive discharging the battery pack in order to prolong its life cycle.

(3) It is a must to maintain the battery pack before long-time storage. That is to charge the battery to the level of 40% saturation.

(4) The storage time is about 6 months. It is advised to monthly check the voltage of every cell of the battery pack. The voltage of every cell should be no lower than 3V. Otherwise, please refer to the above article (2).

(5) From the view point of protection, the battery pack should be not used before usage. The life is charge and discharge 3-5 times. Its discharge is not less than the level of 40%. Automatic discharge process will make the battery life longer and voltage more stable.

Battery Management

Safety

WARNING

Insert the battery as in the picture and connect the pins together. Insert the battery as in the picture and connect the pins together.

CAUTION

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PROHIBITED

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Inserting Controller Batteries

1). Ensure that the controller is switched off.

2). Unscrew the battery compartment door on the underside of the controller and remove.

3). Insert the battery the 3 x AA batteries (Not included) ensure the + and - correspond.

4). Replace and screw the battery door firmly back into the closed position.

1

Setup

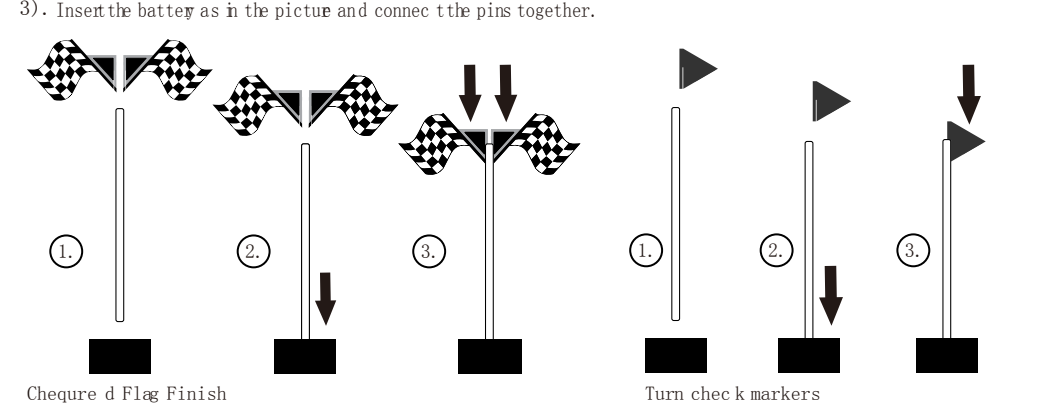
Playset Assembly

1). Ensure that the drone is switched off.

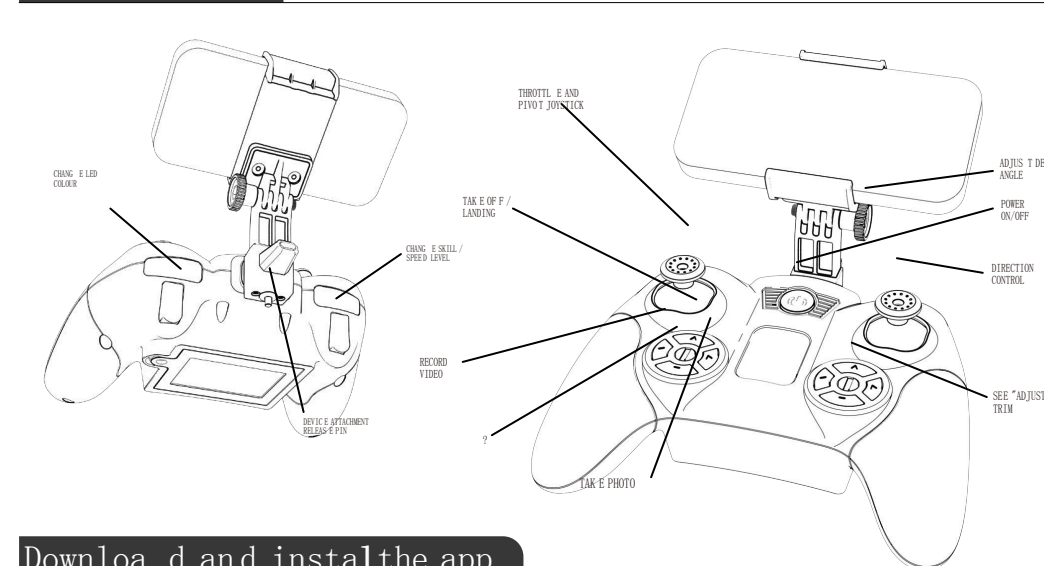
2). Slide the battery compartment door back to unlock and swing open.

3). Insert the battery as in the picture and connect the pins together.

Check if Plug Finish



The Controller



Download and install the app

Use the corresponding QR code to download and install the relevant app.

QR CODE

Available on the App Store

QR CODE

2

Setup

Connecting your device to the RACER

1). Ensure that the device WiFi is switched on.

2). Find the drone the name will begin with "DPR-" and connect.

3). Multiplayer plays are not supported, so several people take it in turns to ensure correct playing.

The App



Flight

Attaching the device to the controller

1). Ensure that the drone is switched off.

2). Slide the device holder over the colored antenna until it clicks firmly into place.

3). Fix your device firmly in place between the spring-loaded grips.

4). Adjust the view angle to suit your personal preference via the wheel ensuring it is tight fully.

Adjusting Trim

Whilst the drone is hovering, press the opposite button to the direction of drone movement until your drone hovers stably in place.

Ensure this is done with no wind disturbance.

4

Flight Controls

Turn On the racer and controller

Start Engines

Take Off

See "Set Up" to view realtime video stream

See "App UI" to view record the video stream

Throttle and Pivot

Direction Joystick

Tilt Left

Turn Left

Tilt Right

Turn Right

Tilt Forwards

Forwards

Tilt Backwards

Backwards

5

Set Up

Recording the Live video stream

1). The FPV stream can be captured as both still or video via the controller buttons or the App UI.

2). To start stop recording video from the controller simply press the button indicated in the diagram below.

3). To start recording from the app UI open the controller and press the buttons as indicated in the diagram below.

4). Video and images can be accessed via the app folder icon (indicated below) or found in the device's camera roll where they can be viewed and shared online.

6

Replacement Parts

Body Kit

1). Ensure that the drone and controller are switched off.

2). Align the body kit panels with the snap pins on the blade guards and screw on.

3). Apply a little pressure until the panels for body kit snap firmly into place.

Propellers

1). Ensure that the drone and controller are switched off.

2). Unscrew and remove the damaged propeller.

3). Slide on the new propeller ensuring it is the same as the one removed.

4). Securely screw the new propeller in place.

Propeller Guards

The attached beginner propeller guards and body kit panels are there to protect the drone from damage in the event of an accident and as a safety precaution to protect others from the fast-moving blades.

The guards should be kept on when flying in any public place.

Should an experienced pilot wish to remove them, at their own risk for the added performance while flying in an enclosed area away from others.

1). Ensure that the drone and controller are switched off.

2). Unscrew and remove the propeller guard as indicated in the diagram.

7

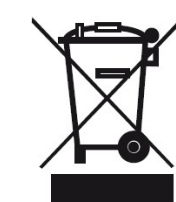
Trouble shooting

| PROBLEM                                                                                                         | CAUSE                                                                                                                                                       | SOLUTIONS                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| After the battery is inserted in the heli indicator light on receiver keeps flashing, no response to operations | Frequent adjustment between remote and receiver not successful                                                                                              | Reinstall frequency for remote and receiver. (Please refer to P.7 for details)                                                                                                                      |
| No response after battery is inserted in the heli                                                               | 1. Check if the power for remote and receiver is on.<br>2. Check the voltage of the battery of remote and receiver.<br>3. Contact on the poles are not good | 1. Open the transmitter and make sure the battery is inserted in the right position.<br>2. Use a fully charged battery.<br>3. Reinstall the battery and confirm if the contact for the pole is good |
| Motor does not turn when operating the throttle stick and the indicator light on receiver keeps flashing        | Power for the Li-Poly battery is not enough                                                                                                                 | Charge the battery or replace it with a full battery                                                                                                                                                |
| Main motor blade spins but helicopter fly                                                                       | 1. The blade is deformed<br>2. Battery power is not enough                                                                                                  | 1. Replace the main blade<br>2. Charge the battery or replace with a full charged battery                                                                                                           |
| Helicopter is a lot                                                                                             | 1. Main blade is deformed<br>2. Main frame is deformed                                                                                                      | 1. Replace the main blade<br>2. Replace the main frame                                                                                                                                              |
| Turning trimmer has been tried but helicopter spins, speed to the right and left does not conform               | 1. Main blade is deformed<br>2. Motor does not work well<br>Center on the gyro is not correct                                                               | 1. Replace main blade<br>2. Replace main motor<br>Turn on the heli and center the climbing and diving trimmer then reset the heli                                                                   |
| It won't fly after it falls down                                                                                | 1. Motor has dropped off<br>2. Gear has loosened                                                                                                            | 1. Reinstall the motor<br>2. Tighten the gear                                                                                                                                                       |

DC voltage

CAUTION  
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.  
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



7

Safety & Precautions

RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.

User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RF exposure statement:

"FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons." "The device must not be co-located or operating in conjunction with any other antenna or transmitter."

8

Ensure that the drone is switched off.

Ensure that the drone is switched off.

10