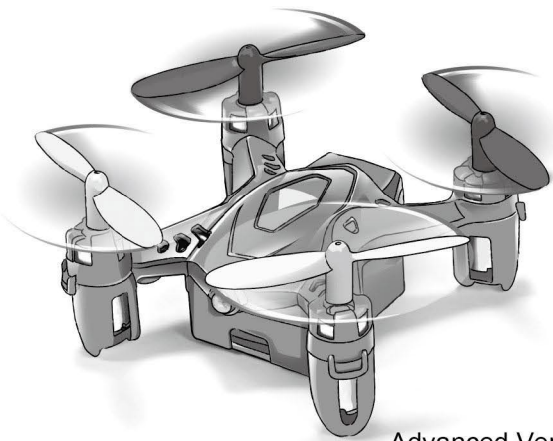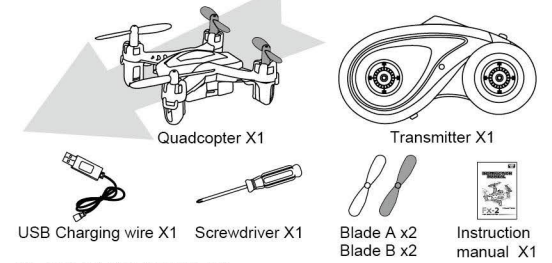**DIYI MODEL**

INSTRUCTION MANUAL

Advanced Version

D2

6-Axis Gyro System   2.4GHz   5Channel   360°Flips
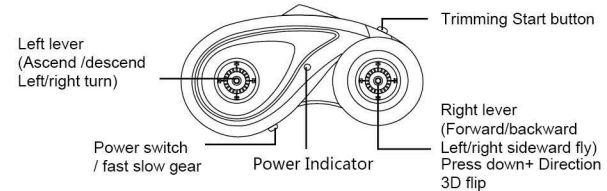
AGES 14+

1 INCLUDED PARTS

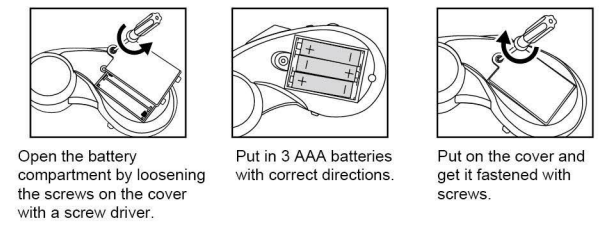TIPS:White blades and head of quadcopter are same direction.

Quadcopter X1
Transmitter X1

USB Charging wire X1   Screwdriver X1
Blade A x2   Instruction
Blade B x2   manual X1

2 TRANSMITTER

2.1 Introduction of transmitter

Trimming Start button

Left lever
(Ascend /descend
Left/right turn)

Right lever
(Forward/backward
Left/right sideward fly)
Press down+ Direction
3D flip

Power switch
/ fast slow gear

Power Indicator

2.2 Install Batteries

Open the battery
compartment by loosening
the screws on the cover
with a screw driver.

Put in 3 AAA batteries
with correct directions.

Put on the cover and
get it fastened with
screws.

❶

3 CHARGING LI-PO BATTERY

3.1 Plug USB terminal into a computer, a power charger, or a car USB port to charge the battery. Connect battery with charging cable. The red indicator is light on when the battery is charging; the red indicator will light off when charging finishes. The charging time is 25-30 minutes.Flight time more than 5 minutes.
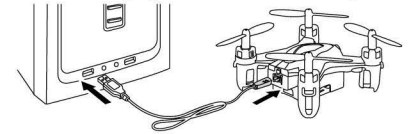
4 STANDBY FOR FLY

4.1 Operation System Booting
The program design of the quadcopter is equipped with error protection function.
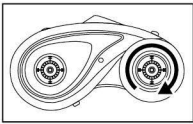The correct booting procedure as below:
4.1.1 1. Turn on the power supply of the flying object（Five LED light will flash
with the flying object）.
2. Switch power on the remote controller and the remoter controller will
beep and the indicators shall flash. The two red LED indicators on the
flying object shall flash so.
3. Push the left rod on the controller to the top, the controller will beep
with the indicators of the controller and two of the red indicators on
the flying object flashing, then pull back to bottom, the controller will
beep, with all the indicators of the controller lighting on and all the four
red indicators on the flying object lighting on, and the pairing finishes.

4.1.2 Upon pairing the controller and the flying object, push the left rod on the
controller, the flying object will fly up.

4.2 Calibration of Gyro
Turn on the controller, and pair it to the flying
object, put the flying object on the plane
ground, and turn the right rod a round
clockwise. Two of the red indicators on the
flying objects shall flash, which tells the gyro
standby ready for scanning and positioning.
The indicators will stop flashing upon
calibration. Please refer to the diagram.
Remarks: before flying, the object shall be put on the plane ground to
calibrate to make sure it flies steadily.The pairing procedure can be used
to repairing if the flying object goes off tracking.

❷

5 OPERATING AND CONTROL

5.1 Operating Instructions
Please kindly note that the operating shall be made in gentle and slow way
to prevent the quadcopter out of control. Each operating may cause some
power loss, so it is recommended to add some power if necessary to keep
a certain flying height.

Go up

Go down

Turn right
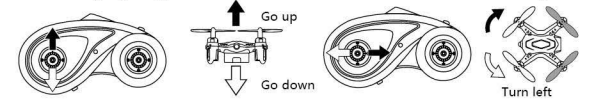
Turn left

Push the left lever (accelerator)
up and down, he quadcopter
will ascends and descends
accordingly.

Push the left lever (accelerator)
leftward and rightward,the
quadcopter will turn left and
turn right accordingly.

Go foward

Go back

Go Left   Go Right
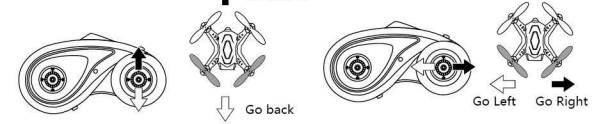
Push the right lever (swerving
rudder) ,the quadcopter will go
forward and backward accordingly.

Push the right lever (swerving
rudder) leftward and rightward,
the quadcopter will go leftward
and rightward accordingly.

5.2 Trimming
Press down the tuning button, the controller will
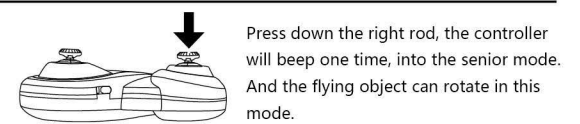beep, the indicator will flash, and it goes into the
tuning mode.
※ If the flying object tilt forth, the right rod shall
push back, and the indicator on the controller
and the two back indicators on the flying object
will flash.
※ If the flying object tilt back, the right rod shall push forth, and the indicator
on the controller and the front two indicators on the flying object will flash.
※ If the flying object tilt left, the right rod shall push right, and the indicator
on the controller and the two right indicators on the flying object will flash.
※ If the flying object tilt right, the right rod shall push left, and the indicator
on the controller and the two left indicators on the flying object will flash.
Tuning accordingly till it flies steadily. Then press down the tuning button
again to exit from tuning mode. The controller will beep and the controller
indicator will light on.
Remarks: Within 3 seconds, if no operation on the right rod, it will exit from
tuning mode.

❸

6 FLIPS

Press down the right rod, the controller
will beep one time, into the senior mode.
And the flying object can rotate in this
mode.

In order to get good rolling performance, it is recommended to keep 1.2 meter
height between four axles and the ground in flying up. It will easy the rolling
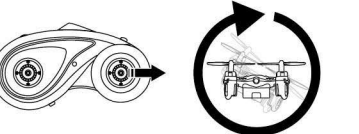and keep it steady and a certain height after rolling.

6.1 Flip left
Press down the right rod,
the controller will beep,
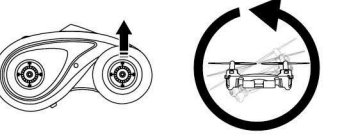push left and the flying
object will make a left roll.
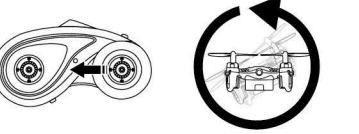
6.2 Flip right
Press down the right rod,
the controller will beep,
push right and the flying
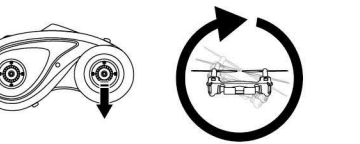object will make a right roll.

6.3 Flip forward
Press down the right rod,
the controller will beep,
push forth and the flying
object will make a forth roll.

❹

6.4 Flip back
Press down the right rod,
the controller will beep,
push back and the flying
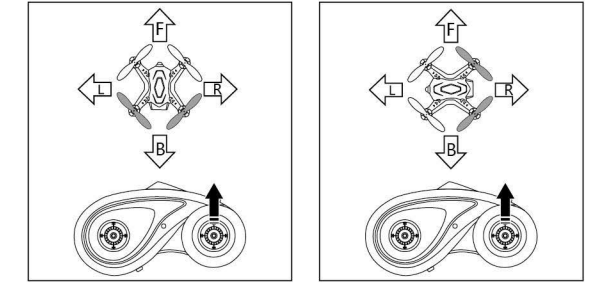object will make a back roll.

Low Power Alarm
When the four indicators on the flying object flash together, it tells low power,
and the rolling function will shut down automatically and it goes into normal
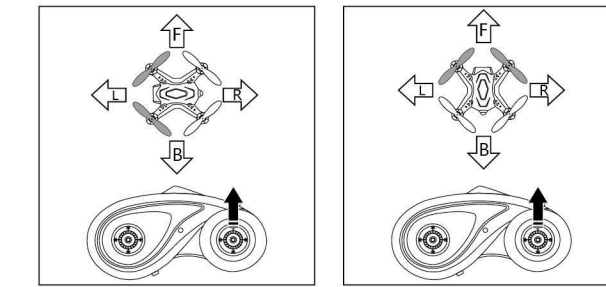mode.

7. HEADLESS MODE

7.1 Headless Mode Shift
Headless mode has the flying object can back home, where the controller
stays.
※Starting and Setting:
After code pairing, place the flying object on the plane ground or hovering
in the air, keep the head (white blades) pointing to the head of the controller,
then press down the left rod, it beeps one time with diagonal lights flashing,
to start the headless mode.
※ Out of Headless Mode: press down the left rod to exit out of Headless
Mode. The controller will beep and all the four indicators on the flying
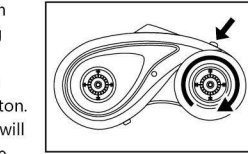object will light on.

7.2 Direction Calibration
When the flying object flies deflected from
crash, it may need recalibration by placing
it on the plane ground, keeping the head
(white blades) pointing to the head of the
controller, and press down the tuning button.
The controller will beep and the indicator will
flash. Turn the right rod a round clockwise.
Two of the red indicators on the flying objects shall light on from flashing,
and then flash diagonally. The controller indicator will light on from flashing.
The direction calibrated. The head of flying object will be the
heading direction. Keep the flying object in the air and press down the left
rod to exit the headless mode. How to restart the headless mode: keep the
head (white blades) pointing to the head of the controller, then press down
the left rod. Now the flying object points the heading way.

❺

See the diagram. In Headless Mode, with diagonal indicators flashing, no
matter which direction the head (white blade) faces, pull down the right
rod and the flying object will fly back; on the contrary, push forth, it will fly
away from the player.

❻

8 MOUNTING BLADES

The blades are different marked as A or B.
Please mount the blades as the diagram
instructed. Incorrect blade mounting
may cause flying failure, nonlinear flying
or crashing.

Hand hold the cap of a blade
and push down onto the motor
driving shaft to mount.

B   A
A   B
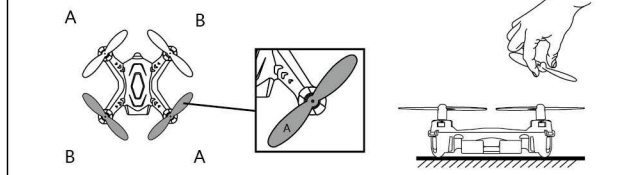
9 TROUBLE SHOOTING

9.1 Transmitter and quadcopter not bland
solution:Make sure Frequency of success.
9.2 Gyro not working well:
Solution: 1)Battery voltage too low.
2)Re-bind.
3)Make sure the quadcopter on the horizontal position.
9.3 Unable to flip
Solution: 1)Press right lever ,change to flip mode.
2)Check if li-po power is too low and needs to be recharged.
9.4 Quadcopter is shaking with noise:
Solution: Check if the motors,canopy,body and propellers are all
properly positioned.
9.5 Cannot take off.
Solution: 1)Wrong installation of the props. All props are marked with
"A" or "B" and should be placed on the right motor (marked "A"
or "B"respectively for the correct order
2)Check quadcopter canopy if loose or not,block blades flying
3)Check quadcopter battery is power full,if the low power,
quadcopter canopy inner light will be alternately flashing.

❼