

Ladybird

QR SERIES



User Handbook

Specifications:

Main Rotor Dia. : 55.8mm

Overall Length: 138mm

Overall Width: 138mm

Receiver: RX2634H-D

Standard transmitter: 2402D

Optional transmitter: DEVO-6/7/8S//10/12S

All-up Weight: 30g(Battery included)

Gyro: Six-Axis

Drive Motor: 0720RN

Battery: 3.7V 240mAh Li-Po

Features:

- 1) Adopting quad-motors driving system, stable flight, and can easily do the front and back, left and right rolls.
- 2) Modularized design features convenient maintenance at low cost.
- 3) The usage of 6-Axis gyro and Intergration design of the flight status control ,ensures the precise location of the flight performance.
- 4) Flight time will be up to 6 to 8 minutes on a 3.7V 240mAh LiPo.

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01

Foreword



02

Safety matters
needing
attention**Dear customer:**

Thank you for purchasing a Walkera radio control aircraft product. In order to quickly and safely master the operation of the QR Ladybird, please read the user handbook carefully and then keep it in a safe place for future consultation and reference.

2.1 Important Statement

- (1) This product is not a toy. It is a piece of complicated equipment which harmoniously integrates engineering materials, mechanics, electronics, aerodynamic and high frequency radio. Correct installation and adjustment are necessary to avoid accidents taking place. The owner must always operate in a safe manner. Improper operation may result in serious property damage, bodily injury or even death.
- (2) We accept no liability for damage and consequent damage arising from the use of these products, as we have no control over the way they are maintained, used and operated.
- (3) This product is suitable for experienced RC UFO pilots aged 14 years or more. All minors must be accompanied by a responsible adult when flying.
- (4) The flight field should be legally approved by the local government. We accept no liability for any safety duties or fines arising from operation, usage or mis-control after the sale of the products.
- (5) We consign our distributors to offer technical support and service after sale. Please contact the local distributors for problem resolution caused by usage, operation, maintenance, etc.

2.2 Safety matters needing attention

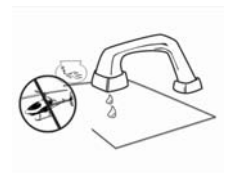
RC UFO flight is a high risk hobby, whose flight should be kept far away from other people. Mis-assembled or broken main frame, defective electronic equipment, and/or problematic radio system will lead to unforeseen accidents such as bodily injury or property damage. The pilot **MUST** pay attention to the flight safety and UNDERSTAND his responsibility for accidents caused by his carelessness.

(1) Far away from obstacles and people

An RC UFO in flight has risk of uncertain flight speed and direction which is potentially dangerous. When flying, please keep your RC UFO far away from people, high buildings, high-tension lines, etc, and avoid operating in rain, storms, thunder and lightening.

**(2) Keep away from humidity**

RC UFO should be kept away from humidity and vapor because its complex, precise electronic components and mechanical parts may be damaged.

**(3) Proper operation and maintenance**

Please use Walkera original spare parts to upgrade, modify or maintain your UFO in order to ensure its safety. Please operate your UFO within the range of functions permitted. It is forbidden to use it outside of the safety laws or regulations.

**(4) Avoid flying alone**

At the beginning of learning about radio-controlled flight there are some difficulties to overcome. Please avoid flying alone. Invite experienced pilots to guide you (two of the most effective methods to practice are via a PC flight simulator and/or under the supervision of a skilled pilot).



(5) Safe operation

Please fly your UFO according to your physical status and flight skills. Fatigue, listlessness and mis-operation will increase the possibilities of accidental hazard.



(6) Away from highly spinning parts

Please keep pilot, people and object away from the spinning blades of both main rotor and tail rotor.



(7) Protect from heat

An RC UFO is made from metal, fiber, plastic and electronic components, etc. Please keep away from heat and sunshine in order to avoid distortion, even damage, caused by high temperatures.



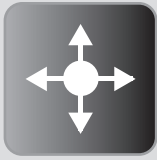
2.3 Attention before flight

- (1) Ensure the battery packs of both transmitter and receiver are fully charged (saturated).
- (2) Ensure both the throttle stick and the throttle trim of your transmitter stay at the lowest positions before operation.
- (3) Please strictly obey the order of turn-on and turn-off before operation. When starting your flight, please turn on your transmitter first, and connect the power cable of your UFO last.
When finishing your flight, please disconnect the power cable of your UFO first, and turn off your transmitter last.
- (4) An upset in the order of connection may cause your UFO to loose control. Please cultivate a correct habit of turn-on and turn-off.



02

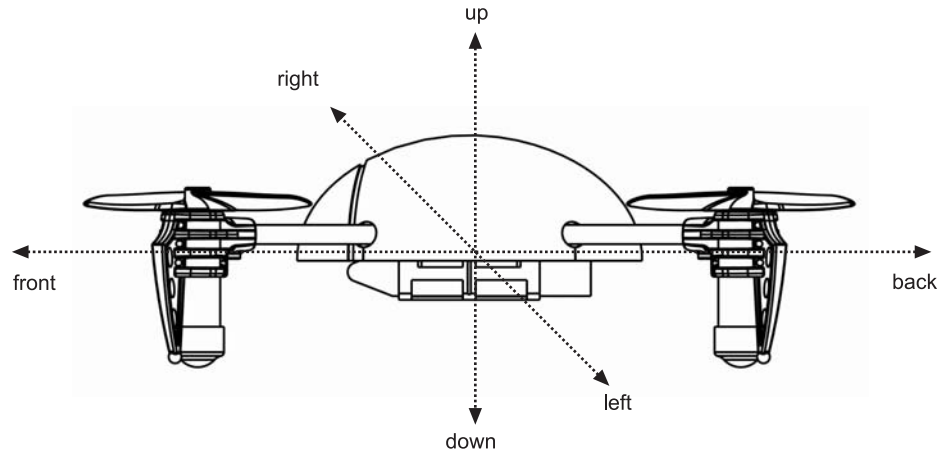
**Safety matters
needing
attention**



03

Definition of UFO Orientation

We define the orientation of UFO in order not to cause confusion in the following descriptions. That is to say, the tail boom of UFO is facing the pilot (tail in), and its head facing forward (front of pilot). The left hand of pilot is the left side of UFO, the right hand of pilot is the right side of UFO. Its head is to the front and its tail boom is to the back. The direction in which main body of UFO is facing is up, and its skids are facing down.



04

Standard equipment



▲ QR Ladybird



▲ Transmitter



▲ Li-polymer battery pack



▲ GA006 charger



▲ Tool kit



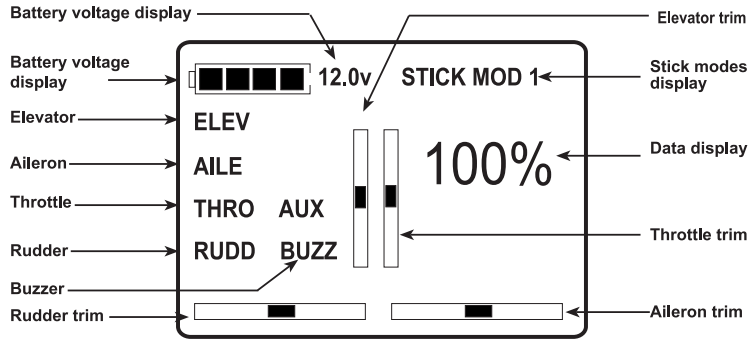
▲ Main rotor blades



▲ User Handbook

5.1 2402D(standard radio)setting

5.1.1 Main Menu

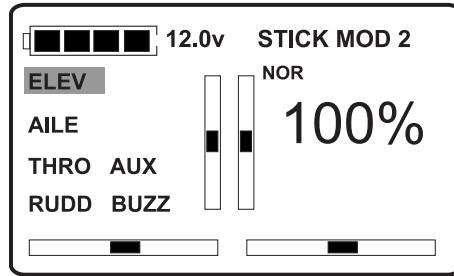
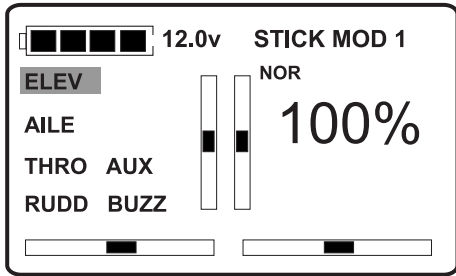


When turning on the transmitter power, the buzzer rings, and 4 trims bars begin to make stream-like movements. After the ID binding is finished, both buzzing and trim bars stream-like movements stop, instead of opening screen appears.

5.1.2 Channel Reverse Setup

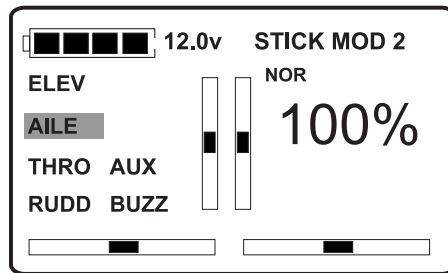
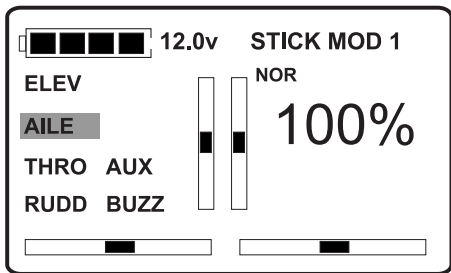
ELEV reverse setup

Press ENT to enter the setting status and both ELEV and the current reverse status NOR or REV are together flashing. If want to make reverse, Press R or L to let NOR flashing, and then press ENT to confirm. Press EXT to exit .



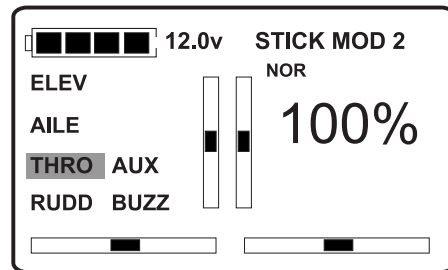
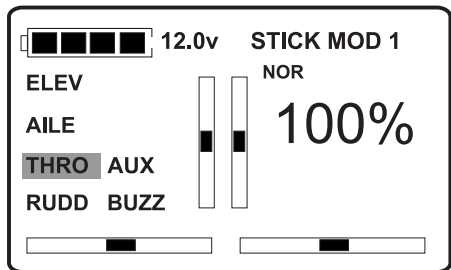
AILE reverse setup

Press ENT to enter the setting status, and both AILE and the current reverse status NOR or REV are together flashing. Press UP or DN to flash AILE while its current reverse status NOR or REV is also flashing. Press R or L to make NOR flashing and press ENT to confirm. Press EXT to exit .



THRO reverse setup

Press ENT to enter the setting status, and both ELEV and the current reverse status NOR or REV are together flashing. Press UP or DN to flash THRO. Both THRO and its current reverse status NOR or REV are together flashing. Press R or L to let NOR flashing, and then press ENT to confirm. Press EXT to exit .



05

Transmitter setup

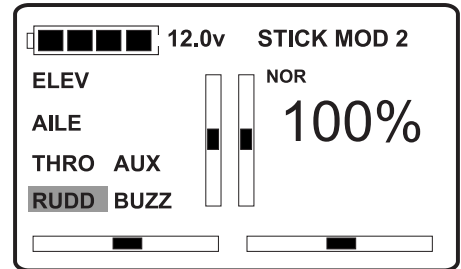
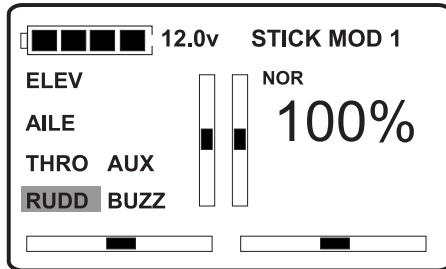


05

Transmitter setup

RUDD reverse setup

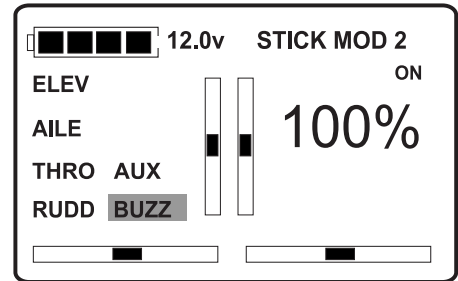
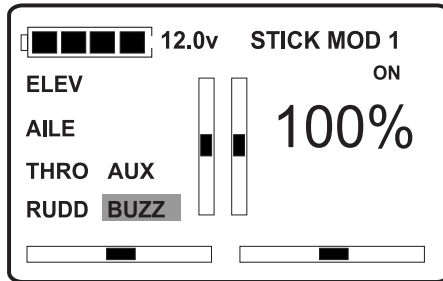
Press ENT to enter the setting status, and both ELEV and the current reverse status NOR or REV are flashing. Press UP or DN to flash RUDD. RUDD and its current reverse status NOR or REV are together flashing. Press R or L to let NOR flashing. Press ENT to confirm, and then press EXT to exit .



5.1.3 Buzzer setup

The buzzer setup includes two status: ON or OFF. Below is the setting method:

Press ENT to enter the setting status, and both ELEV and the current reverse status NOR or REV are flashing. Press UP or DN to flash BUZZ. BUZZ and its current switch status ON or OFF are together flashing. If want to change the switch status, press R or L to make ON flashing, and then press ENT to confirm and save. Press EXT to exit.



5.2 DEVO-6/7/8S/10/12S(optional radio)settings

5.2.1 Type:Helicopter

5.2.2 Swash type:1 Servo Normal

5.2.3 Device Output

DEVO-6		
Gear	FMOD SW	Active
Pitch	System	Active

DEVO-7		
GEAR	GEAR	ACT
AUX2	FMD	ACT

DEVO-8S		
Gear	GEAR SW	Active
Pitch	System	Active
AUX2	FMOD SW	Active
AUX3	RUDD D/R	Active

DEVO-10		
Gear	GEAR SW	Active
AUX2	FMOD SW	Active
AUX3	RUDD D/R	Active
AUX4	AUX4 KB	Active
AUX5	AUX5 KB	Active

DEVO-12S		
Gear	GEAR SW	Active
Pitch	System	Active
AUX2	FMOD SW	Active
AUX3	AUX3 Lever	Active
AUX4	AUX4 Lever	Active
AUX5	AUX5 Lever	Active
AUX6	AUX6 Knob	Active
AUX7	AUX7 Knob	Active



06

Setup of the
RX2638H-D
receiver

6.2 Function of receiver

S/N	Name for short	Full name	Function
1	Electric Voltage Output in level	Connect to the outter camera DC wire.	The bind plug face towards left.
2	AUX2	AUX2. Plug in the bind plug to clearance the ID memory.	The bind plug face towards left.
3	Power wire	Connect to the lipo battery.	
4	Right front motor	Connect to the right front motor wire.	The bind plug face towards right.
5	Right back motor	Connect to the right back motor wire.	The bind plug face towards right.
6	Left back motor	Connect to the left back motor wire.	The bind plug face towards right.
7	Left front motor	Connect to the left front motor wire.	The bind plug face towards right.
8	Gyro sensitivity adjust knob	Adjust the gyro sensitivity of the front/back /left/right /tail.	
9	Signal indicator light	Show the bind status.	

6.3 Flight Modes switches of the Receiver

(1) Standard Transmitter: 2402D

Note:Please strictly refer to below operations.

- (1.1) Push the thottle stick to the top position, turn on the radio and connect the UFO battery , then comes to the code pairing status.The receiver indicator will flash between red and green alternately after code pairing successfully. That's the Flight Modes switch status.
- (1.2) Under the Flight Modes switch status, turn the Elevator stick up and down four times or above to enter Flight Modes switch (finish in 2 seconds).It is in Normal Flight mode when the red indicator turns solid, and it's in Roll Flight mode when the green indicator turns solid.
- (1.3) After choose the Flight Mode, push the throttle stick at the lowest position,then flight available.

(2) DEVO-6/7/8S/10/12S Transmitter selectable

Note: Please set the FMOD switch as "ACTIVE" in the Output setting of Transmitter.

When the FMOD Flight mode switch of the radio at "0" position, the receivers red indicator turns solid as the Normal Flight mode; When the FMOD Flight mode switch of the radio at "2" position,the receiver's green indicator turns solid as the Roll flight mode.

6.4 Adjustment of receiver

- (1) Receiver LED indicator:Quick flashing indicates the reception of a new signal; a solid light means connection is completed successfully; slow flashing indicates failure to receive a signal, please disconnect and reconnect the battery.
- (2) Adjust knob of the gyro: CW rotating increase the sensitivity of the Gyro,CCW rotating decrease the sensitivity of the Gyro. The default setting is Middle,generally there is no need to trim.
- (3) Clear fix ID in receiver: Insert plug terminal into AUX2 channel on receiver to clear fix ID memory and disconnect plug terminal when the indicator on receiver start to flash.

6.5 Matters needing attention

- (1) All the wires should be connected in a correct way. Misconnection will result in failure to receive signal, even damage to receiver speed controller.
- (2) Please use special adjustment pen to rotate the gyro tuning knob in order to avoid damaging the knob.