SNT

RC CAR Instruction Book

Contents

Please read the manual to the end to gain maximum benefit from this product.

Safety Notice

- This product contains small parts that are a choking hazard and should not be used by children aged under 14 and under to avoid accidents.
- Children over the age of 14 must be supervised by a responsible adult.
- This product is made of many smaller parts, which could cause a choking hazard to small children. This product should NOT be operated by vulnerable children under the age of 14.
- Moving Parts: This product has moveable parts, powered by a battery and a motor, you must be careful to avoid direct contact with bare skin, hair, and clothing.

Please note:

- DO NOT operate near small children and pets.
- DO NOT operate on sand, wet, or dusty surfaces.
- DO NOT operate anywhere you are likely to cause harm to pets, people, and property. Because of functional requirements, this product contains sharp surfaces, please use common sense to avoid harm).
- DO NOT bend or modify this product or any of its parts and do NOT use it aggressively, that may cause damage to the product or those close to you.
- This product has a built-in lithium polymer battery, avoiding wet and hot surfaces. Battery exposed to great heat can explode.
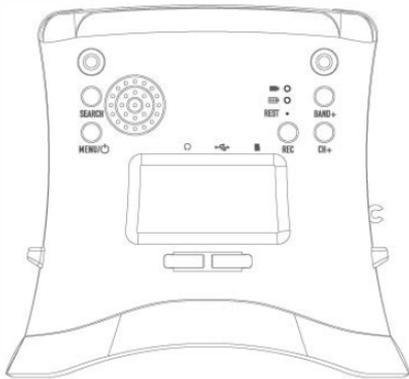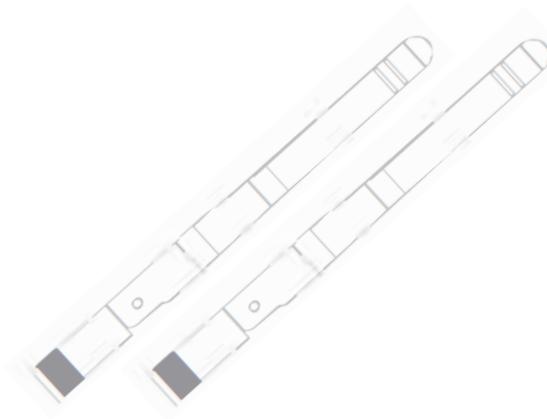
Package contains

Car x 1

AIR 5 Remote x 1

QG2 FPV Goggles x 1

AIR 5 FPV Antenna x 2

Micro USB charging cable x 1

Type-C charging cable x 1

Manual x 1
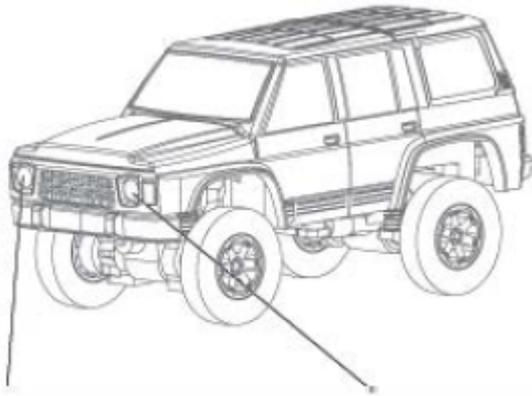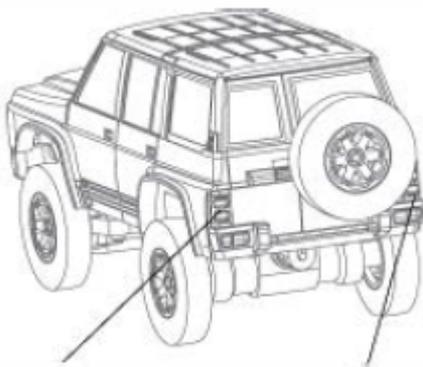
AV video input cable x 1

Function Description

Right headlight
Left headlight

Front wheel: Can turn left and right
Rear wheel: Can be turned back and forth

Left tail light/turn signal
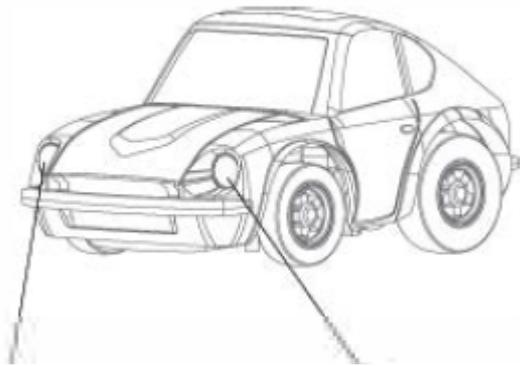Right tail light/turn signal

Right headlight
Left headlight

Front wheel: Can turn left and right
Rear wheel: Can be turned back and forth

Left tail light/turn signal
Right tail light/turn signal

Preparation before running

Charge

Take out the remote control car and accessories from the box, and use the included charging cable to insert the car's charging port and USB port to charge when it is turned off. (Due to long-term storage, please charge the remote control car for the first time).
The red light on the tail flashes to indicate that it is charging, and the red light on the tail goes out, indicating that the charging is complete.

Tip: In the power-on state, plug in the charging power supply, and the product will not be able to be used.

In the charging state, the car switch must be turned off.

Notice:
- Before charging the product, make sure the charging plug is dry.
- When charging the product, please keep the product away from the flammable area.
- Please use USB to TYPE-C (SV) for charging.
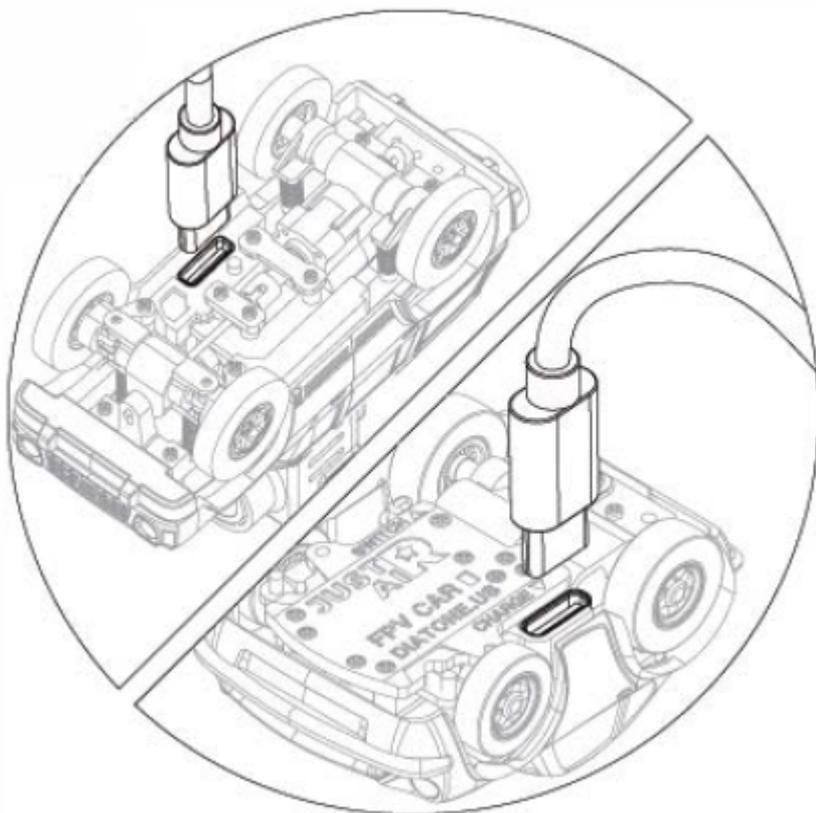
Light flashing: Normal charging.
Lights off: Charging complete.

Turn on and off the car power

Power on: In the off state, turn on the switch and the headlights will turn on, and the car will be turned on.

Shutdown: In the power on state, turn off the switch and lights go off and the car shuts down.

▲ Click the switch

▲ Click the switch
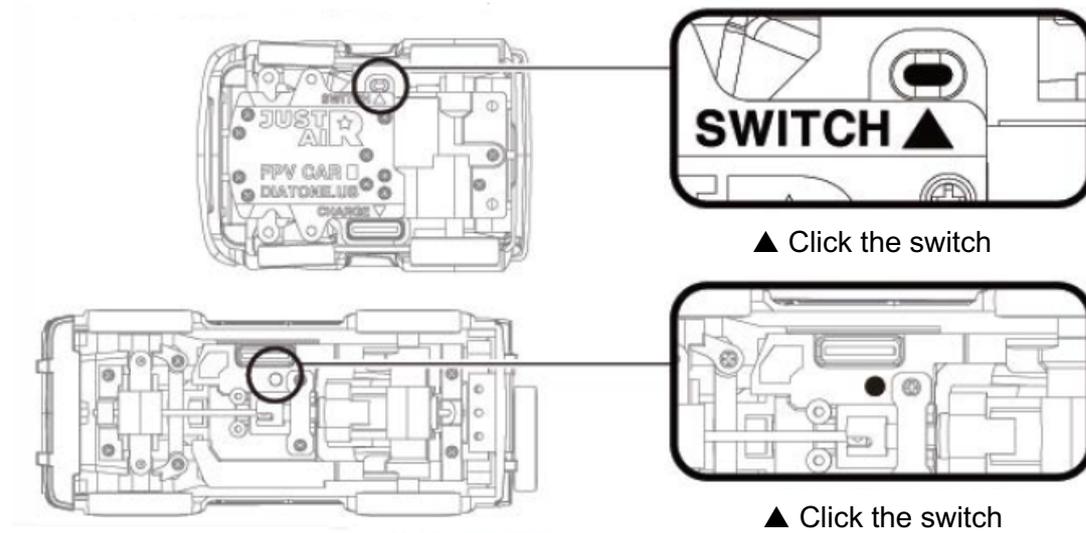
Product parameters

Basic Information	Motor	610/612	Minimum ground clearance	2mm
	Front track	32.5mm	Rear track	32.5mm

Chassis Parameters	Chassis model	Q Series	Frive mode	Rear drive
	Steering structure	High precision worm	Front Suspension type	Independent Damping
	Gearbox	High-precision reduction gear	Front tyre Specification	HT 7 2x3.5 RB
	Torque amplification	1:23	Rear tyre Specification	HT 14x4.5 RB

Light	Headlights	•	Ambient Light	•
	Brake light	•	Turn signal	•
	Reversing lights	•	FPV Power	4V2W

Maintenance

1. Before each use of the product, check and clean the foreign matter in the gap between the wheel and the chassis, and ensure that all parts are not loose.
2. When the Car is stored for a long time, more than 70% of the power should be kept for storage to prolong the battery life every 3 months.
3. One charge to avoid battery damage. (It is recommended to fully charge it and use it for 20 minutes before saving it).

Remote control function description

Driving and Steering

Back

Static

Forward

Left

Right

Right

Forward / Accelerate

Back

Left
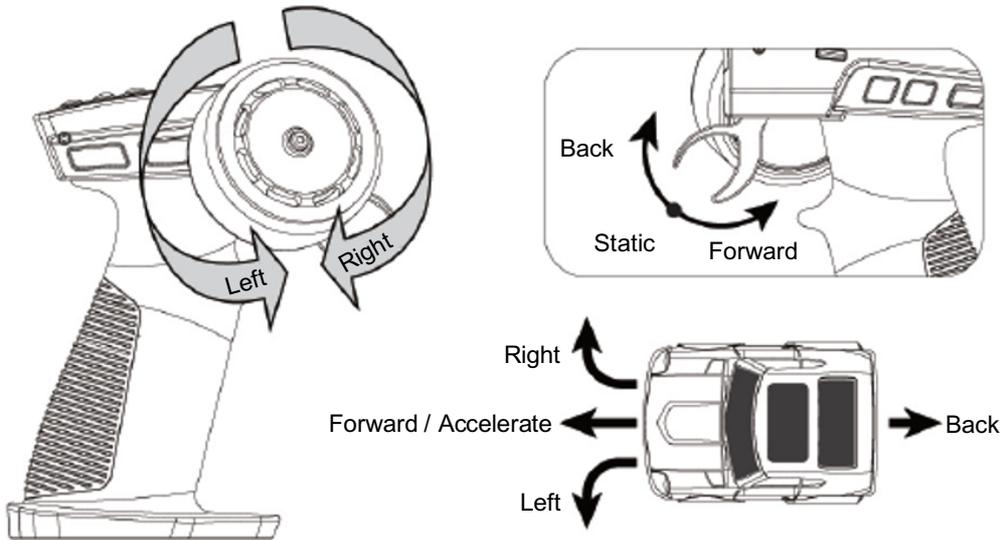
Wheel offset adjustment button

Steering fine-tuning - Left

Steering fine-tuning - Right
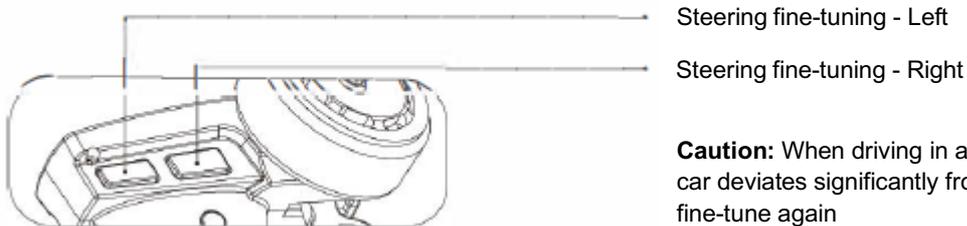
Caution: When driving in a straight line If the car deviates significantly from the straight line, fine-tune again

Switch and power-operated button functions

5V power output
It can be charged by the adaptive Car

70% power output

100% power output

Turn on/off remote

OFF   ON
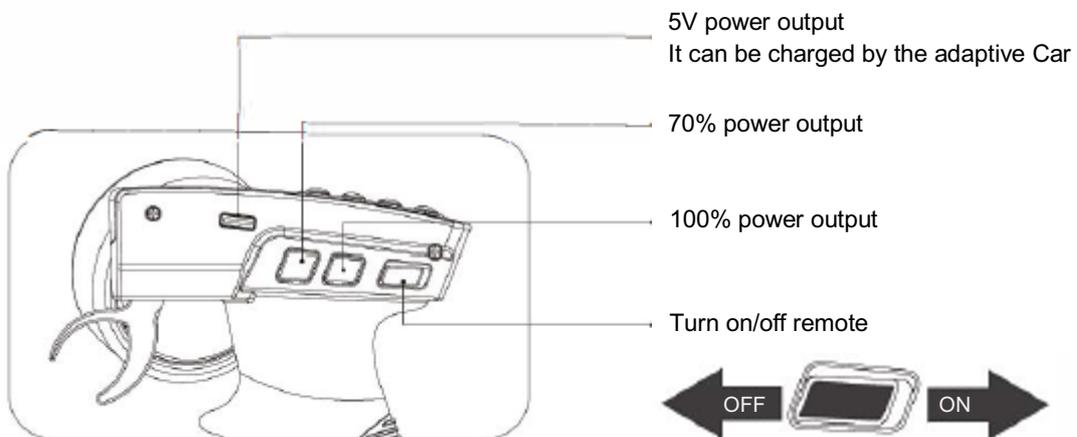
Turn the switch to the right to "ON".
Turn on the power of AIR 5, you can enter the working state.

Personalized function keys

Screen stand interface

Multifunction button

VTX Switch

Ambient light on
(Turn on the lights on the underside of the Car)

Headlight switch
(low beam/high beam)
Turn on the headlights and you can light the road
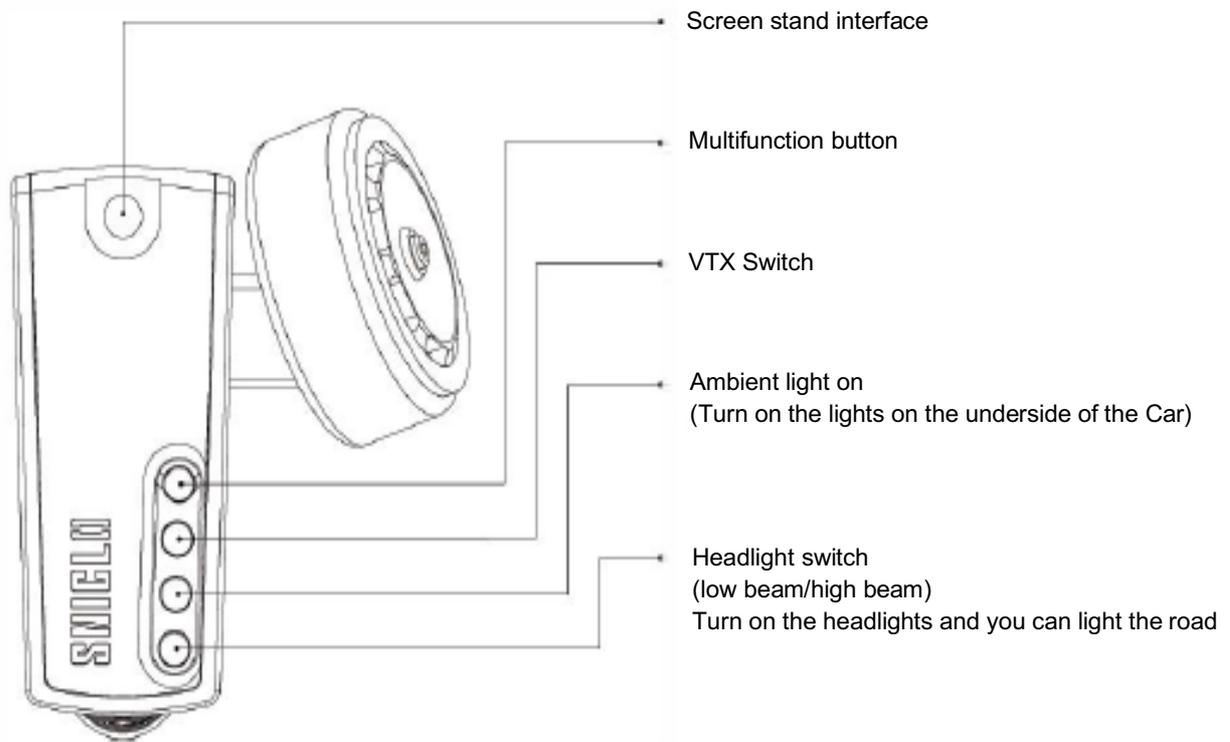
Start remote

Remote control battery installation and replacement.

Use AAA batteries x 3 or 18650 x 1 lithium batteries to drive the remote control.
Installation steps:

1. Open the battery cover from the bottom of the remote control.
2. Insert the AAA battery into the battery card slot and then into the battery slot or put the 18650 lithium battery directly into the battery slot.
3. After the battery is installed well, close the battery cover.
4. When the remote control lights up, it can be used.

Precautions:

1. The positive pole of the battery needs to face outward as shown in the right picture.
2. If the remote control is not used for a long time.
3. please remove the battery to avoid damage to the battery.
4. Please do not try to charge the remote control battery through the Type-C power output interface.

Car Connection Pairing
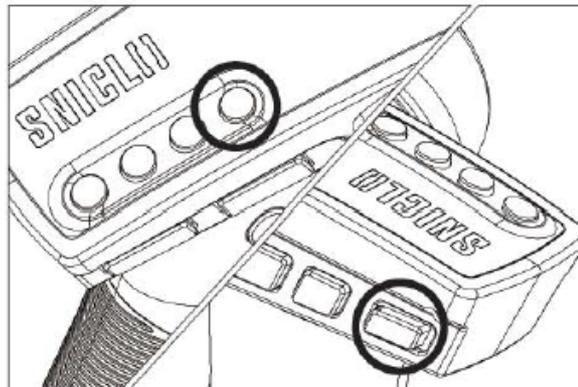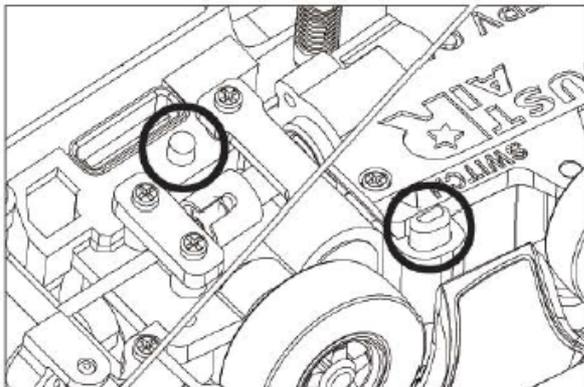
Click the SWITCH switch button and wait for 8 seconds.
Turn on the remote control, and press and hold the "multi-function button" for 2 seconds, it will be paired automatically.

Remote control pairing method

1. Turn on the power of the car, wait for 8 seconds, the yellow light at the rear flashes, and enter the pairing mode.
2. Turn on the power of the remote control, long press the "multi-function button" for 2 seconds, the LOGO light flashes and the automatic pairing starts.
3. The LOGO light of the remote control stops flashing, the pairing is successful, and the product starts to be used.

About parameter adjustment

1. Steering offset fine-tuning: when the steering wheel is at the center point, if the front wheel is not straight, use the steering fine-tuning adjustment.
2. Power mode: set the maximum power value.

AIR 5 remote controller parameters

Product name	Multifunctional remote control	Product number	AIR 5
Working frequency	2.4 Ghz	Function button	5 channels
Remote control distance	30m	Battery Parameters	AAAx3 / 1B650 lithium battery
Dimensions	106x92x138mm	Weight	135g

Troubleshooting

Fault phenomenon	Cause of issue	Solution
Remote control connection failed	1. Too far away 2. Space multiple walls 3. Remote control pairing for multiple Cars at the same time	Please ensure that the Car is in operating mode (headlights are on). Pairing distance is less than 2M and only one Car is being paired at the same time.
Stuck and stopped	The foreign object between wheels	Check the wheels for foreign objects
When the throttle is in neutral position, the car immediately starts to move forward or backward	The throttle trim is not set to center	Double-click the "multi-function button" to automatically calibrate the throttle neutral position
The Car cannot drive in a straight line/ The left and right steering radii are significantly different	Steering trim not set center	Double-click thenmulti-function button" to automatically calibrate the throttle neutral position
Can't reach top speed	1. Power mode 2. Low battery 3. There is a foreign object between the wheels	Increase the maximum speed of power mode, and check whether there is foreign matter and whether the battery power is sufficient
Serious heat at the motor position	The ambient temperature is too high	Turn off the power of the Car immediately and place it in a ventilated and cool place for heat dissipation to avoid damage to electronic components
Turn on light is off	Voltage below 3.2V, low battery	Recharge in time

Light status indication

Show	State
Rear (yellow light) flashing	Wait for the remote to pair with the Car
Headlights (white light) always on	The remote control has been linked to the Car and can operate the Car
Headlights (white light) + flashing red tail light	Charging in progress
Front and rear lights are off	Car is switched off, low battery, indicates charging is complete

Non-Warranty Regulations

- Unauthorized maintenance, misuse, collision, neglect, abuse, liquid ingress, accident, alteration, improper use of non-product accessories, tearing or altering of security markings.
- The validity period of three Guarantees (Return/Exchange/Fix) has been exceeded.
- Damage caused by force majeure.
- Not in line with the performance failures listed in the "SNICLO TURBO Remote Control Car Product Performance Failure".
- The product and its accessories have performance failures listed in the "SNICLO TURBO Remote Control Car Product Performance Failure" due to human reasons.

Precautions

- This product contains small parts, which pose a choking hazard and are not suitable for children under the age of 14.
- This product is strictly prohibited for children under the age of 14 to avoid accidents. Children over the age of 14 must use it in the presence of a guardian, and must not leave the guardian's line of sight. When charging and storing the product, please keep it out of the reach of children.
- Moveable parts are dangerous to some extent. It is forbidden to put fingers, hair, clothes, etc. into the gap between the tire and the Car body, so as not to be caught by the rotating parts.

Please operate in strict accordance with the following usage scenarios:

1. Do not operate in the place where the car is driving or near children, so as to avoid dangers such as collision.
2. Do not drive on sand, water or dusty places to avoid malfunctions.
3. Do not drive towards people or animals to avoid accidents.

- Because of functional requirements, this product contains sharp parts, please follow the correct steps and use methods, especially pay attention to eye safety.
- Do not bend, throw this product, or use it in other rough ways to avoid damage to this product or accident.
- This product has a built-in llthium polymer battery, please do not put it into water or fire (such as stove, gas stove, etc.) to avoid explosion.

Confirmation information is required to use the return service.
When the user applies for a return or replacement, he needs to confirm with customer service according to the warranty instructions of the car. Whether it meets the after-sales conditions and makes relevant after-sales arrangements.

Hint

1. The products, accessories and remote control in the instruction manual are schematics for reference only.
2. Due to product updates and upgrades, the actual products may differ slightly from the schematic, please refer to the actual products.

QG2 FPV GOGGLES

Product parameters

Name	QG2 FPV Goggles			
LCD Screen	Screen size	4.3 Inch	Display Ratio	16:9
	Resolution	800x480	View Angle	6 o'clock
	Brightness	500cd/m^2 with high brightness backlight LED		
Video delay	Video time-delay less than 0.01ms			
Lens	2.8X Fresnel Lens, 92% transparent rate no distort of light			
Interface	Antenna	2 X RP-SMA male	AV Jack	V signal input display
	USB	To charge the battery	Card slot	TF-Card, Support up to 32G (C10 recommend)
DVR	Frame rate	30 Frames	30 Frames	VGA/D1/HD (Selectable)
	Image format	MJPEG	REC Sound	ON/OFF (Selectable)
	Video format	AVI	REC time	OFF/3/5/10 min (Selectable)
Language	English and Chinese			
Body	Dimension	155x144x113 mm	Weight	300g (with headband, not included antennas)
Power Supply	Power adapter: DC5V/2A (USB interface) Battery: 3.7V/2000mAh (Built-in battery maximum charge current of 500mA) DVR module ON: Each full charge revive around 2.5hr working time DVR module OFF: Each full charge revive around 3.5hr working time			
	Power Consumption: * Normal mode: The device operating current of 400mA at 3.7V; * Record Mode: The device operating current of 620mA at 3.7V;			

Controls
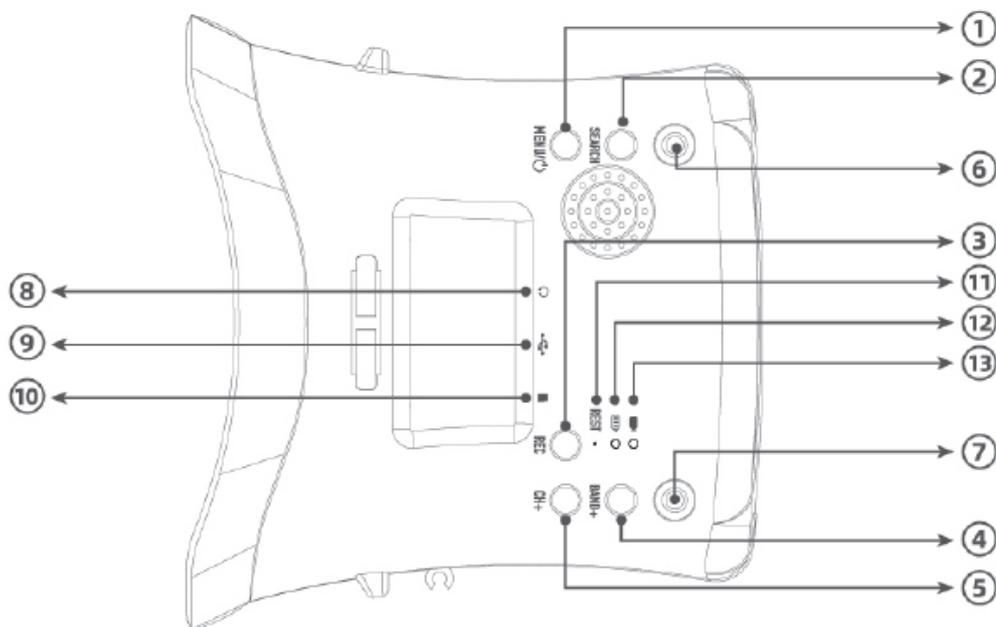
Descriptions:

1. Key 1: Short press into MENU mode; Long press (More than2 sec) for Power ON/OFF.
2. Key 2: Short press for Auto-Searching; Long press (More thanl.5 sec) into AV mode
3. Key 3: Short press to start or stop Recording
4. Key 4: Short press for Band+ (Change bands AB-E-F-R circularly)
5. Key 5: Short press for Channel+ (Change channels 1-2-3-4-5-6-7-8 circularly).
6. Antenna port A: RP-SMA mate.
7. Antenna port B: RP-SMA male.
8. AV Jack: In RF receiving mode can output an Audio signal; In AV mode can enter the video signal.
9. Micro-USB Charging port: Supports DCSV only.
10. Card slot: Used for inserting a memory card.
11. RESET: Power Reset.
12. Charging indicator: When is charging, the red light is on When is full, the green light is on.
13. REC indicator: Show the different working states of the DVR module.

Menu Instructions

In the normal mode, press Key 1 to enter the MENU mode.

    Key 1: Scroll options bar.
    Key 2: Auto-Searching.
    Key 3: Invalid.
    Key 4: Enter/Value+.
    Key 5: Enter/Value-.

Menu Instructions

In the menu mode, select the "DVR" option bar to enter the DVR mode.

    Key 1: Return 1 Quit Playback mode.
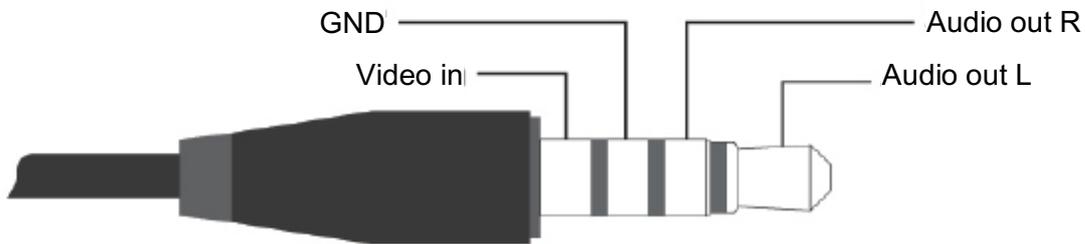   Key 2: Delete current file.
    Key 3: Play/Pause.
    Key 4: Forward selection of video/Fast Forward (When video is playing).
    Key 5: Backward selection of video/Fast Rewind (When video is playing).

AV port instructions

GND ———————

Video in ———

Audio out R ———

Audio out L ———

Channel Unlocking

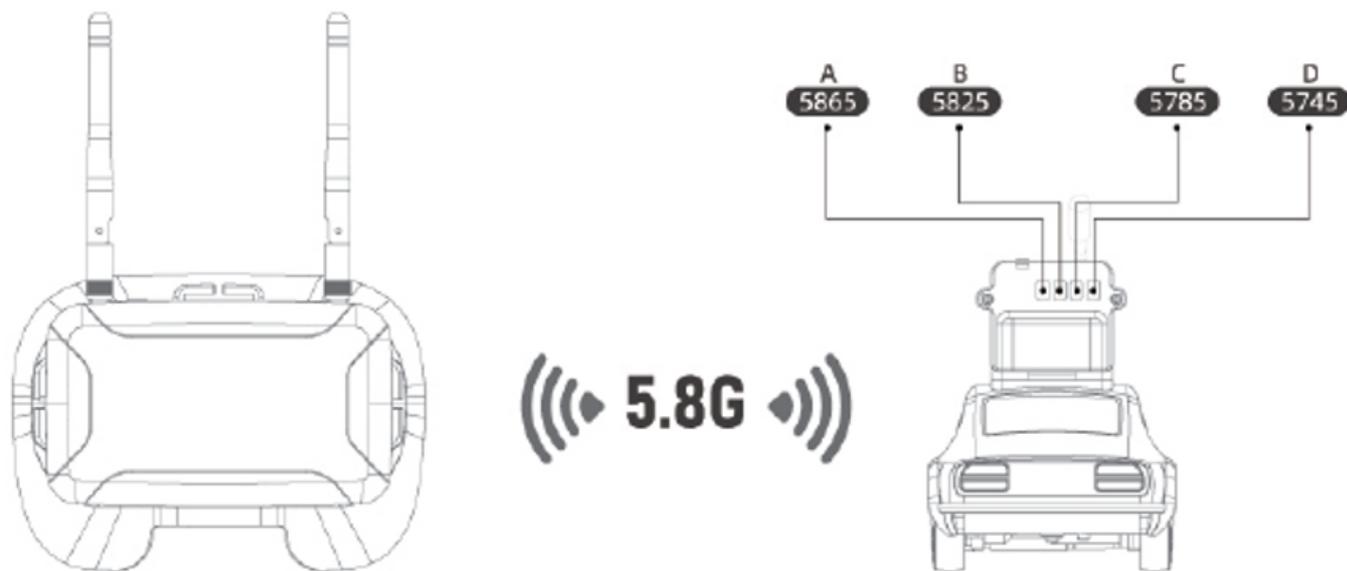| A	B	C	D
5865	5825	5785	5745

Note: This product uses the above 4 frequency points by default.
If you need to use other frequencies, you need to unlock the product first.

Unlocking method: Press and hold the"Band+" and "Ch+" buttons for 3 seconds at the same time to unlock. (all frequency points in the picture below)

| FrequencyTable(MHz)								
Band\CH	CH 1	CH 2	CH3	CH4	CH 5	CH6	CH7	CH 8
Band A	5865	5845	5825	5805	5785	5765	5745	5725
Band B	5733	5752	5771	5790	5809	5828	5847	5866
Band E	5705	5685	5665	5645	5885	5905	5925	5945
Band F	5740	5760	5780	5800	5820	5840	5860	5880
Band R	5658	5695	5732	5769	5806	5843	5880	5917

How to match glasses

Matching steps

1. Turn on the car power (the FPV camera starts to work).
2. Power on the QG2 FPV glasses.
3. The light position on the back of the camera corresponds to the frequency point A/B/C/D.
4. The frequency point of the glasses corresponds to the frequency point displayed by the FPV car (refer to the button function on page 8 for switching frequency points).
Short press SEARCH to automatically search (automatic search selects the strongest signal).
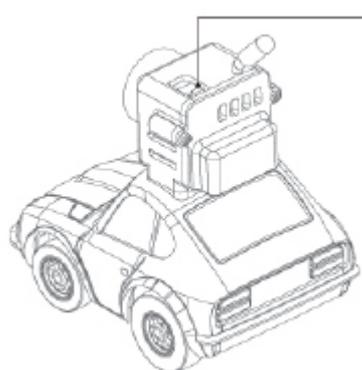
Frequency switch button.
Click the frequency switch button to switch the frequency.
[(A-B-C-D) cycle switch]

When multiple people play at the same time, they need to use different frequency points. (The same frequency points will interfere with each other video signal).

About unlocking frequency

Please understand local laws and regulations before using this product, so as to avoid behaviors that violate their regulations.
The company only provides equipment and is not responsible for its violations!

Dimensions
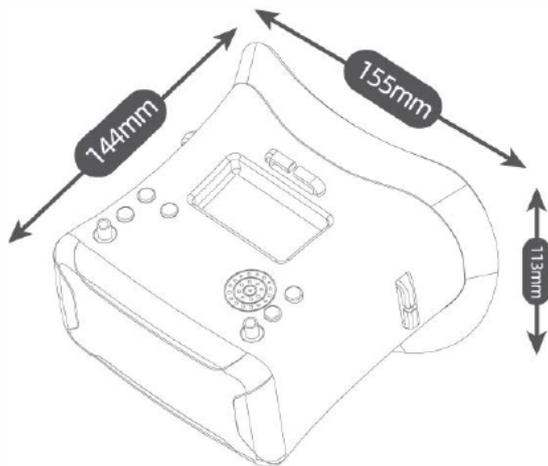
Safety instruction

- After reading the instruction manual and being familiar with the function of the product, operate it.
- This product is suitable for people over 14 years old.
- Long-term use of this product can cause eye fatigue, please take a break!
- Do not place the product in a humid environment to avoid damage to electronic components.
- Please use a standard SV USB charger, higher voltage may damage the product.
- Audio output and video input cannot work at the same time.

SNT DIATONE ®
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For more information, please refer to the Diatone official website.

MADE IN CHINA

diatone.us   official website