



REMOTE CONTROL SET STATUS

- ✓ Mixed control mode
- ✓ Fine adjustment locking

Code matching steps

- First, power on the receiver;
- Press the receiver **[BING]** button again;
- Finally, turn on the transmitter power.

- ※ Receiver light status:
- 【Receiver light flashing slowly without signal】
 - 【Receiver light flashing and frequency matching】
 - 【Receiver light remains on and connected】

Loss of control protection

1. Function Description

Loss of control protection is a function that protects the throttle channel when the receiver cannot receive a signal; When the receiver receives a signal from the transmitter, the throttle channel will run to the default or set value.

2. Setting method

- Before setting up, successfully code the transmitter and receiver;
- Turn off the remote control first;
- Press and hold the **[OK]** button first, then turn on the powerswitch of the remote control; The remote control screen will flash and be accompanied by a sound prompt, indicating entering the setting state;
- At this point, the throttle channel can be set for runaway protection;
- After setting, press the **[OK]** button again to exit.

Constant speed

Setting method

- Press the **[OK]** button remotely to adjust the throttle speed;
- Increase the throttle lever forward by a constant speed of 10 each time, and there is a 'drip' sound prompt for each increase;
- The throttle lever is reduced by a constant speed of 10 each time, and there is a 'drip' sound prompt for each reduction.

Hybrid control

1. Function Description

The remote control has two hybrid control modes: 1/2 channel hybrid control and 3/4 channel hybrid control; The opening and closing of the hybrid control is achieved by combining keys, and there will be corresponding icon prompts on the screen.

2. Setting method

- Remote control off state;
- Press and hold the channel button of the remote control **[3]** first, and then turn on the power switch of the remote control;

【Display icon ① represents: 1/2 channel hybrid control mode】

【Display icon ② represents: 3/4 channel hybrid control mode】

【Note: The switching of mixed control mode is carried out through this step of cyclic switching】

Channel Reverse

1. Function Description

This remote control can set the direction of 1 channel/2 channels in both directions.

2. Setting method

- Remote control off state;
- Press and hold the channel button of the remote control **[4]** first, and then turn on the power switch of the remote control;
- Flip the joystick of channel 1 or channel 2 (in any direction) to switch between the positive and negative positions of the corresponding channel, and the screen will flash during the channel switching process.

【Note: Only one channel can be set in both positive and negative directions at a time】

Rudder setting

1. Function Description

The stroke of each channel of the remote control can be adjusted.

2. Setting method

- Remote control shutdown status;
- Press and hold the channel key **[5]** of the remote control first, and then turn on the power switch of the remote control;
- By pressing the corresponding channel button to adjust the stroke amount of the corresponding channel, the adjustment process can observe the stroke amount of the rudder in real-time.
- Long press the channel key **[5]** to exit the setup.

【Note: The default stroke amount is the maximum, and there are 10 segments from the maximum stroke amount to the minimum stroke amount, which can be adjusted in cycles.】

Locking function

1. Function Description

To prevent misoperation, the remote control can lock the 1-channel and 2-channel fine-tuning keys.

2. Setting method

- Remote control off state;
- Press and hold the channel button of the remote control **[6]** first, and then turn on the power switch of the remote control;
- The opening and closing directions of the lock are the same, and there will be icon prompts on the display screen.

Automatic shutdown

1. Function Description

To prevent forgetting to shut down, the remote control will enter the shutdown state after 15 minutes without any operation, and there will be an audio prompt 1 minute before the shutdown.

Battery Description

1. Instructions for use

- Remote control built-in: 1200mAh lithium battery with charging function, please choose a 5V mobile phone charger for charger; Please turn off the power during the charging process. The charging port has an indicator light indicating that the red light is charging and the green light is fully charged.

Parameter

Model	DS 600
Model type	Car/Ferry/Tank
Channels	6
RF range	2.4GHZ ISM
RF power	≈90MA
Modulation	GFSK
Spread spectrum	FHSS
Reaction speed	PWM≤20MS
RF distance	Ground≈: 300m
Receive sensitivity	-96dbm
Channel resolution	4096
Transmitter voltage	DC 4V-9V
Receiver voltage	DC 4V-9V
Gross weight	80g

Remote control distance is for reference only

Receiver

Analogue servo mode [blue light off]

Digital servo mode [blue light on]

【Servo mode light】



- Green light flashing slowly (no signal)
- Green light flashing fast (in code)
- Green light is always on (Connection Status)
- 【Signal indicator light】
- Pair code button (short press)
- Servo switching (long press for 3 secs)
- 【Code matching button】
- 【Voltage return interface】

Servo Mode

- Press and hold the [BING] button for 3 seconds, the blue light of the receiver will turn on.
- Blue light on: digital servo mode, PWM output frequency: 333HZ].
- Blue light off: analogue servo mode, PWM output frequency: 50HZ].
- Pulse width of digital servo: 500μs-2500μs.
- Analogue Servo Pulse Width: 1000μs-2500μs]]

Note

- The antenna of the receiver needs special protection to prevent breakage, and the installation position needs to pay attention to magnetic field interference!
- The receiver has not undergone waterproof treatment before leaving the factory. Please pay attention to waterproofing during use!
- The input voltage of the receiver should not exceed 12V. Use a regulated power supply for input!

APISQUEEN®

Quick Start Guide

快速操作指南

A300

遥控器已设置状态

✓ 混控模式

✓ 微调上锁

深圳昂德沃特科技有限公司

对码步骤说明

A. 先将接收机通电；

B. 再按一下接收机【 BING 】键；

C. 最后将发射机电源打开。

【接收机：绿灯慢闪状态】

【接收机：绿灯快闪状态】

【接收机：绿灯常亮状态】

※接收机灯状态：

【慢闪表示接收机无信号】

【快闪表示进入对频状态】

【常亮表示发射与接收连接状态】

失控保护说明

1. 功能说明

失控保护是当接收机收不到信号时，对油门通道的保护功能；当接收机收到发射机的信号时，油门通道将运行到默认值或设定值。

2. 设定方法

A. 设置前，先将发射机与接收机对码成功；

B. 遥控器先关机状态；

C. 先按住【 OK 】按键不松开，再打开遥控器电源开关；

【遥控器屏幕会闪烁、伴有声音提示】，表示进入设置状态；

D. 此时可对油门通道进行失控保护的设置；

E. 设置完成后，再按【 OK 】按键退出。

【注：油门通道失控保护默认出厂值为1500中心值】

【注：无特殊使用要求请不要设置失控保护值】

定速功能说明

1. 功能说明

直接按【 OK 】键即可对2通道油门进行定速，也可以通过油门杆向前推增加定速量、油门杆向后拉减少定速量。

2. 设定方法

A. 遥控下【 OK 】键，即可对油门的定速；

B. 油门杆向前每次增加10的定速量、每次增加有‘滴’声提示；

油门杆向后每次减少10的定速量、每次减少有‘滴’声提示。

自动关机功能

1. 功能说明

为防止忘记关机、遥控器在无任何操作的情况下、15分钟后会进入关机机状态，关机前1分钟会有声音提示。

③

混控设置说明

1. 功能说明

遥控器有两种混控模式：1/2通道混控，3/4通道混控；混控的开启关闭是通过组合键的方式，屏幕上会有对应的图标提示。

2. 设定方法

A. 遥控器关闭状态；

B. 先按住遥控器【 3 】通道键不松开，再打开遥控器电源开关；

【显示屏显示图标①：代表：1/2通道混控模式；】

【显示屏显示图标②：代表：3/4通道混控模式；】

【注：混控模式的切换、是通过此步骤循环切换进行】

通道正反设置

1. 功能说明

本遥控器可以对1通道/2通道的方向正反进行设置。

2. 设定方法

A. 遥控器关闭状态；

B. 先按住遥控器【 4 】通道键不松开，再打开遥控器电源开关；

C. 扳动1通道或2通道的摇杆（任意方向），即可切换对应通道的正反，通道切换过程屏幕会闪烁状态。

【注：每次只能设置一个通道的正反方向】

通道行程设置

1. 功能说明

遥控器的每个通道的行程量都可以进行调节。

2. 设定方法

A. 遥控器关机状态；

B. 先按住遥控器【 5 】通道键不松开，再打开遥控器电源开关；

C. 通过按对应通道的按键进行调节对应通道的行程量，调节过程可实时观察舵量的行程量。

D. 长按【 5 】通道键退出设置。

【注：默认行程量为最大、最大行程量到最小行程量共分10个段位，循环调节。】

上锁功能说明

1. 功能说明

为了防止误操作、遥控器可对1通道2通道微调键进行上锁功能。

2. 设定方法

A. 遥控器关闭状态；

B. 先按住遥控器【 6 】通道键不松开，再打开遥控器电源开关；

C. 上锁的开启与关闭方向相同，显示屏上会有图标提示。

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电池使用说明

1. 使用说明

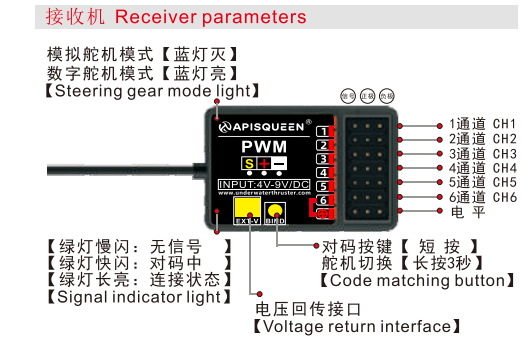
A. 遥控器内置：1200毫安时锂电池，具有充电功能，充电器请选用5V的手机充电器；充电过程中请关机，充电口有指示灯提示，红灯充电中，绿灯为满电。

规格参数

产品型号	DS600
适用模型	模型船/坦克/割草机等
通道个数	6
频率范围	2.4GHZ ISM
发射功率	≈90MA
调制模式	GFSK
扩频方式	FHSS
响应速度	PWM≤20MS
遥控距离	地面：300M/空中：800M
接收灵敏度	-96 dbm
发射机供电	DC 4V-9V
接收机供电	DC 4V-9V
产品净重	80g

注：遥控距离仅供参考、实际使用会根据不同的环境会有差别。

⑤



舵机模式说明 Servo mode

1: 长按【BING】按键3秒钟，接收机蓝灯会亮起。

【蓝灯亮：数字舵机模式、PWM输出频率：333HZ】

【蓝灯灭：模拟舵机模式、PWM输出频率：50HZ】

【数字舵机脉冲宽度：500 μ s-2500 μ s】

【模拟舵机脉冲宽度：1000 μ s-2500 μ s】

注意事项 note

1: 接收机的天线需要特别防护、防止折断、安装的位置需要注意磁场的干扰！

2: 接收机出厂未做防水处理、使用过程请注意防水！

3: 接收机输入电压请勿超过12V、使用稳压电源输入！

APISQUEEN®

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FCC Statement

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.