

## D6 Series - FAQ

No.	QUESTION	ANSWER
1	How to distinguish the signal wires of the propulsion system?	The black and white twisted pair is the PWM signal wire, and the blue, red, and yellow three-wire set is the CAN signal wire.
2	Can other propellers be used as replacements?	It is best to use the original propellers; using third-party propellers may compromise performance.
3	The propulsion system is flashing a white light?	The firmware needs to be re-flashed, or contact technical support.
4	The motor makes an unusual noise when rotating.	1. There is foreign matter inside the motor, which needs to be cleaned; 2. The outer rotor of the motor may be deformed; 3. Contact technical support for confirmation.
5	The motor's rotation direction is opposite to the direction indicated by the flight controller.	Please disassemble and assemble the propulsion system according to the motor rotation direction specified by the flight controller, ensuring that the motor's rotation direction matches that of the flight controller.
6	Signal priority.	PWM takes priority, followed by CAN (FOC ESC priority).
7	Can the propeller still be used if it is damaged?	If there is damage, please replace it promptly; otherwise, there is a risk of it breaking easily.
8	What is the service life of the folding propeller?	If there is no impact damage, the service life is 1000 hours. After 1000 hours, the propeller blade washers need to be replaced.
9	How to adjust the propulsion system's light color and CAN ID?	Insert the propulsion system's CAN cable into the SIYI CAN link module, connect it to a computer, and make adjustments via UniGCS.
10	How to install the coaxial setup?	The upper and lower propulsion systems must use the same rotation direction. For the upper propulsion system, install the propellers normally; for the lower propulsion system, flip the propellers over and reattach them to the propeller mount.
11	How to confirm whether the propeller is clockwise or counterclockwise?	The side with the text is the front side, and it should be installed facing upward.
12	The motor does not rotate after unlocking?	Check whether the PWM wire sequence is reversed and whether the CAN parameters are set correctly.
13	The motor does not reach maximum thrust at 100% throttle?	The thrust at full throttle will decrease as the motor temperature rises.
14	The ESC test does not correspond to the actual motor rotation?	Please confirm the PWM wiring sequence or CAN ID.
15	How to use CAN throttle?	Connect the CAN signal wire to the CAN Hub module and connect it to the flight controller's CAN port via the bus (the CAN module needs to be self-made or purchased from a third party).
16	How to view the logs of the propulsion system?	Insert the motor CAN cable into the CAN Link module, connect it to a computer, and then you can view it through UniGCS.
17	How to upgrade the firmware of the propulsion system?	It can be upgraded via UniGCS or through an open-source flight controller.
18	Why is there still a yellow light flashing even though the navigation light is turned off?	When the propulsion system's navigation light is turned off, the yellow light will still flash in case of a fault or abnormality.
19	What do CW and CCW mean?	CW (Clockwise) indicates that the motor rotates clockwise, and CCW (Counter Clockwise) indicates that the motor rotates counterclockwise.
20	How to check the powertrain?	Manually rotate the motor to check for any blockage or sticking, and inspect the propeller for any looseness or damage.
21	What is CAN throttle?	CAN throttle is a digital throttle, which helps the propulsion system operate more smoothly and accurately.
22	Recommended takeoff weight for the D6 propulsion system.	2 ~ 2.5 kg per axis.
23	Protection rating of the D6 propulsion system.	IPX5