

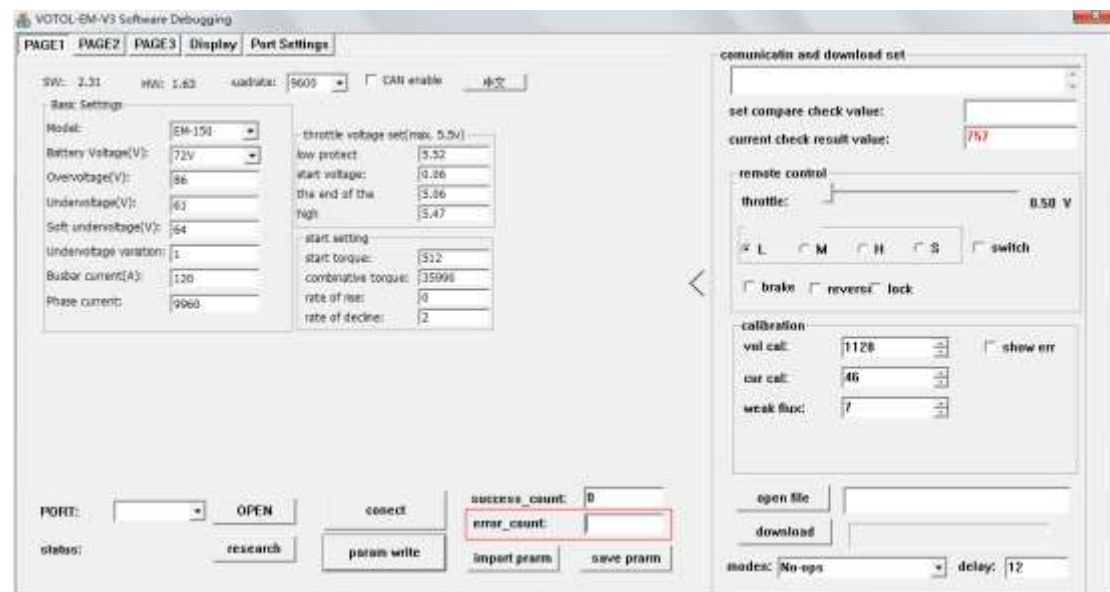
20200207

We discuss with controller engineer again for issue # There is no control after full throttle #,

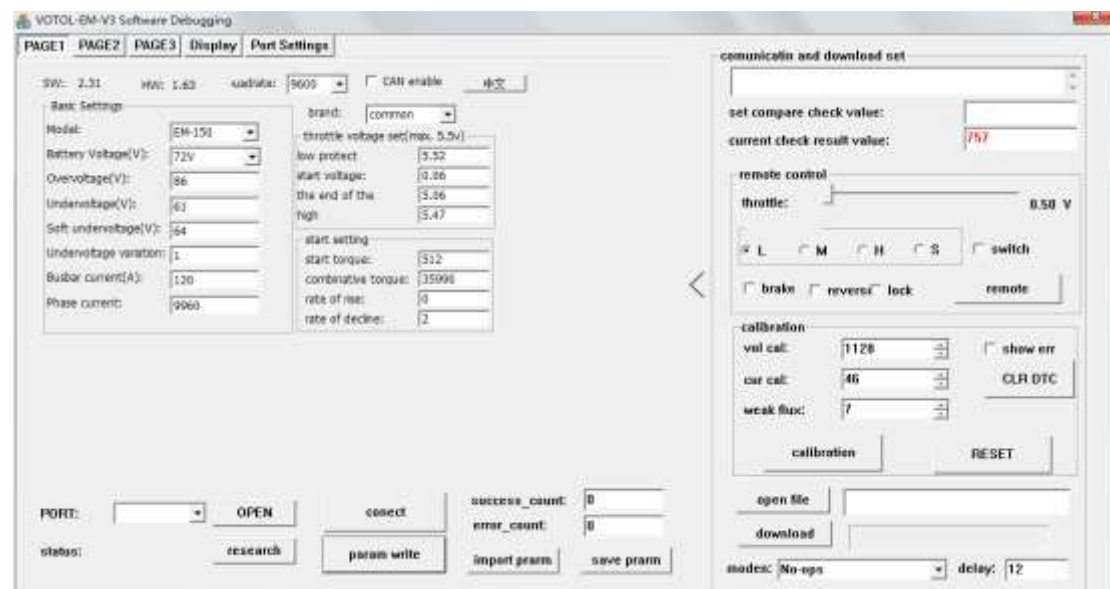
To verify the issue is caused by controller or not, they hope you can cooperate to use # Remote control # function to control the motor.

Following are steps for your reference.

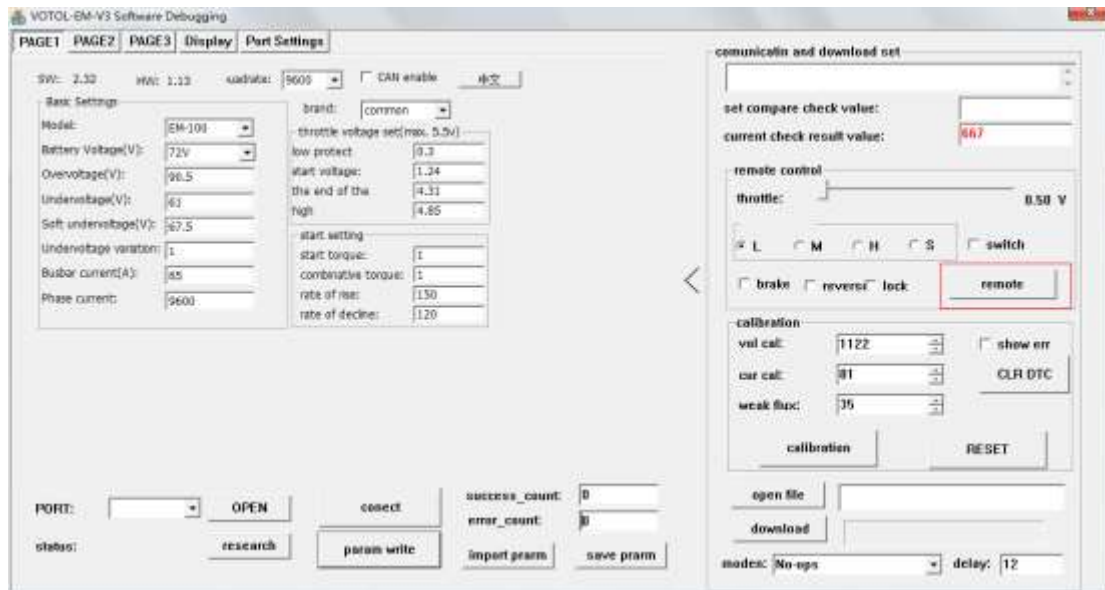
1. Open the software, click # error_count #



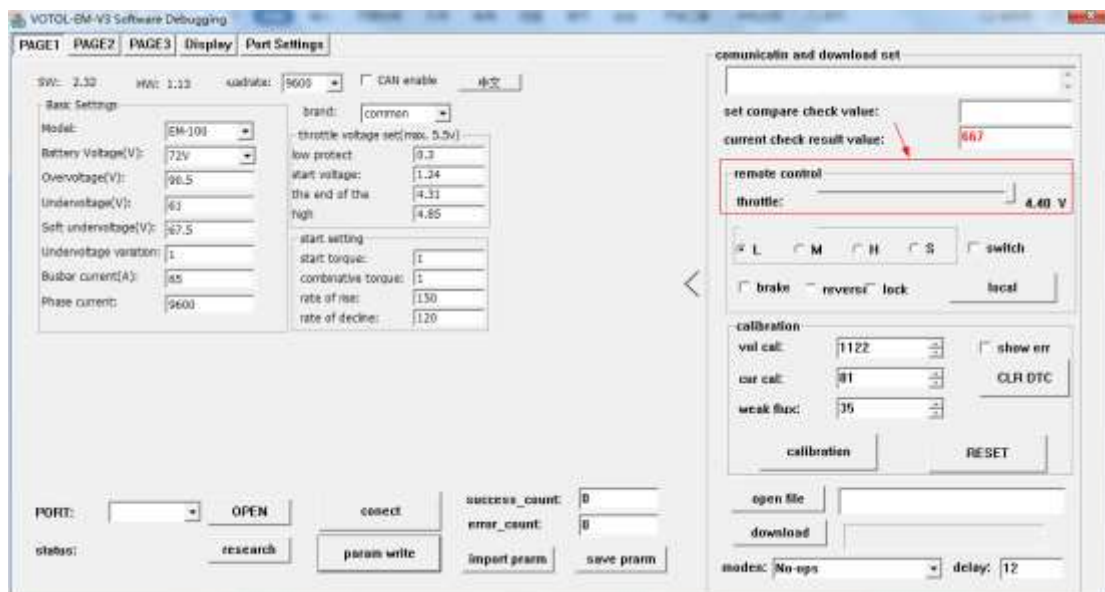
2. Check keyboard, find keys # Shift # & # ~ #, and push key # shift # one time and push key # ~ # two times simultaneously.



3. Click # Remote #



4. Don't use twist throttle, just use mouse to pull # Throttle line # to 4.4V and check if motor can stop running or not.



5. If motor can stop running when pull the throttle line to 4.4V, it means controller is workable. You need to adjust the throttle voltage to find a suitable value between controller and your throttle.

VOTOL-EM-V3 Software Debugging

PAGE1 PAGE2 PAGE3 Display Port Settings

SW: 2.32 HW: 1.13 baudrate: 9600 ☐ CAN enable 中文

Basic Settings

Model: EM-100

Battery Voltage(V): 72V

Overvoltage(V): 90.5

Undervoltage(V): 61

Soft undervoltage(V): 67.5

Undervoltage variation: 1

Busbar current(A): 65

Phase current: 9600

brand: common

throttle voltage set(max. 5.5v)

low protect	0.3
start voltage:	1.24
the end of the	4.31
high	4.85

start setting

start torque:	1
combinative torque:	1
rate of rise:	150
rate of decline:	120

PORT: OPEN

status: research

connect

param write

success_count: 0

error_count: 0

import prarm

save prarm

6. If motor can't stop, here are further steps.

6.1 Pull the # throttle # to 4.4V, Click # brake #, adjust the value of # weak flux #, to check when the motor will stop running.

6.2 When motor stop running, save the weak flux value.

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communication and download set

set compare check value:

full throttle line to 4.4v

current check result value:

remote control:

throttle: 4.40 V

switch

☒ brake ☐ reverse ☐ lock ☐ local

calibration

val cal: 1122

cur cal: 81

weak flux: 35

show err

CLR DTC

calibration

RESET

open file

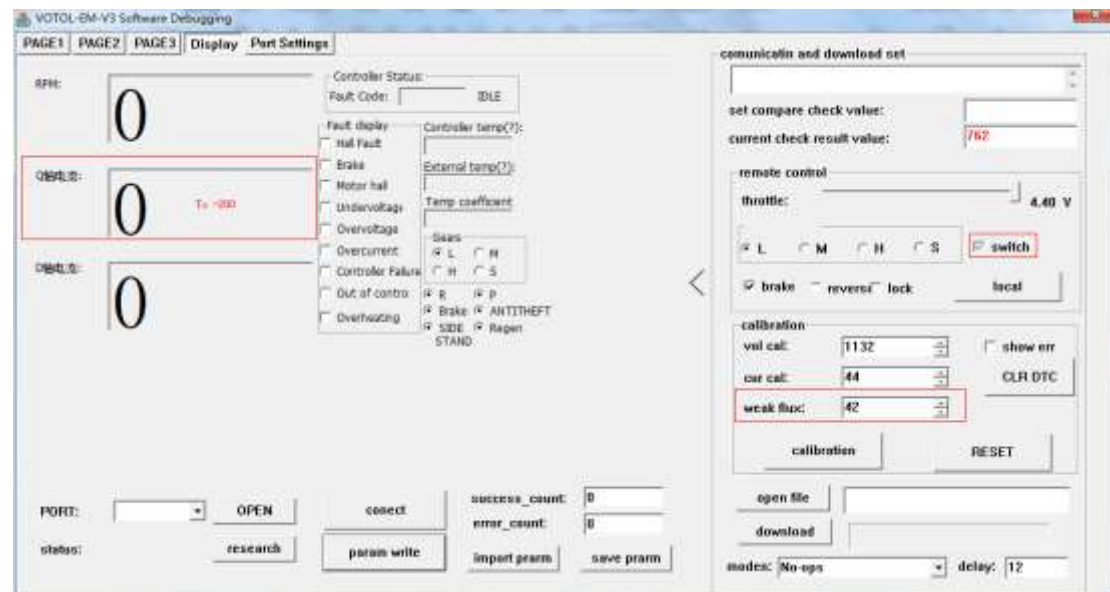
download

mode: No ops

delay: 12

6.2 You can also click # switch # twice times

Then adjust the weak flux value, to make the value of Q 轴电压 to -200

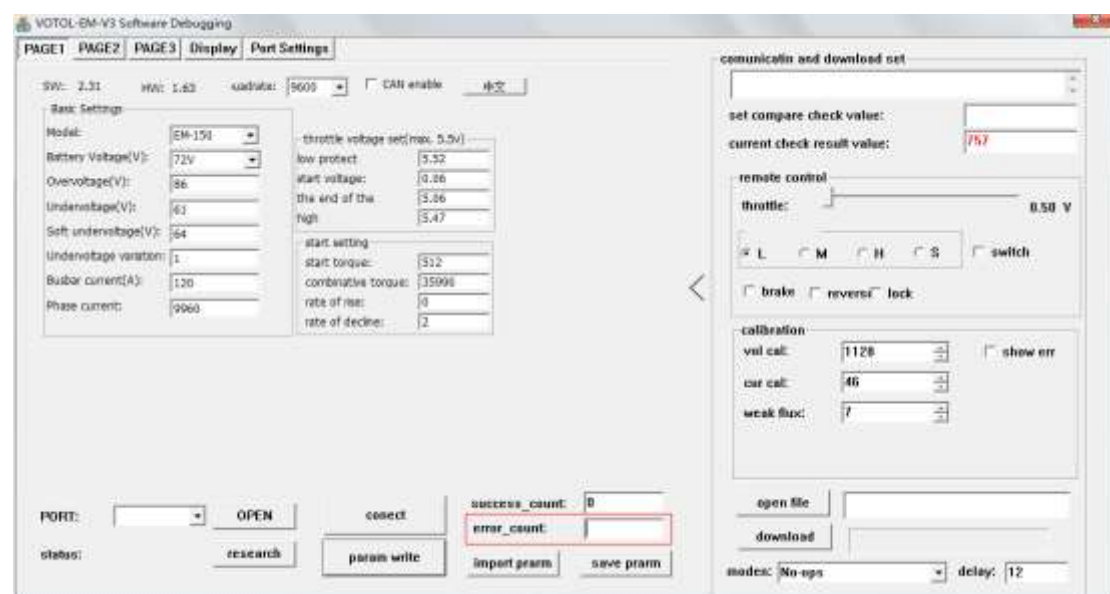


20200204

If customer meets issue # There is no control after full throttle #.

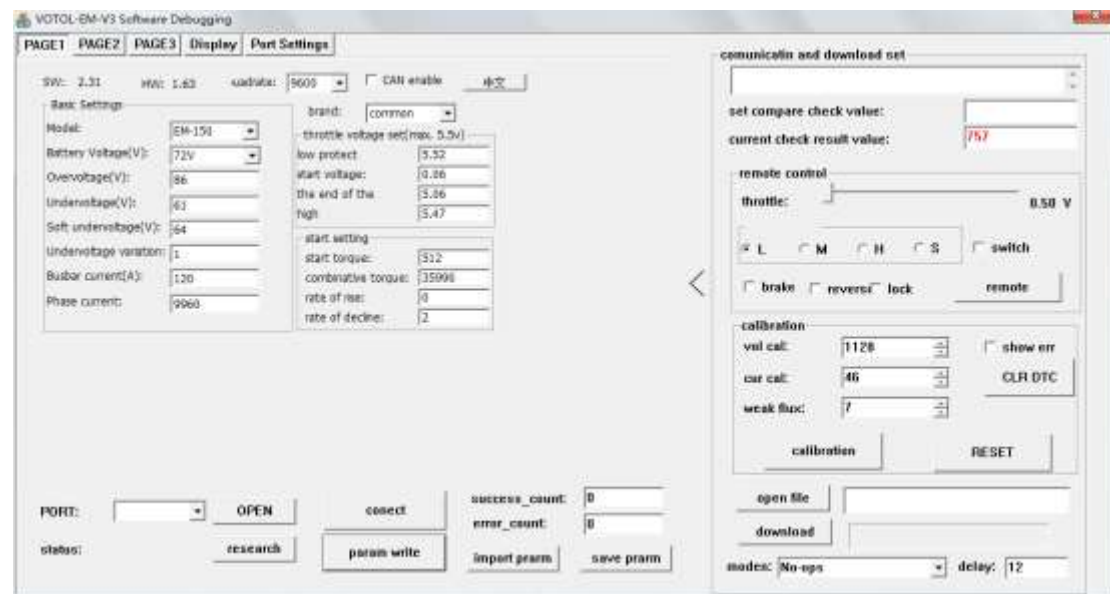
Here are solutions.

1. Open the software, click # error_count #

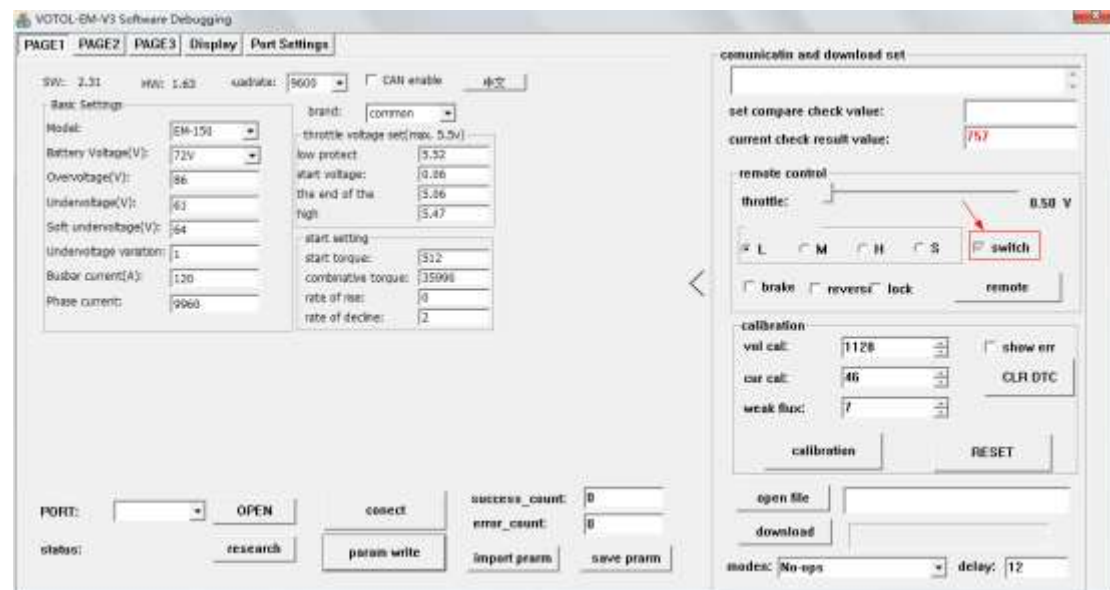


2. Check keyboard, find keys # Shift # & # ~ #, and push key # shift # one time and push key # ~ #

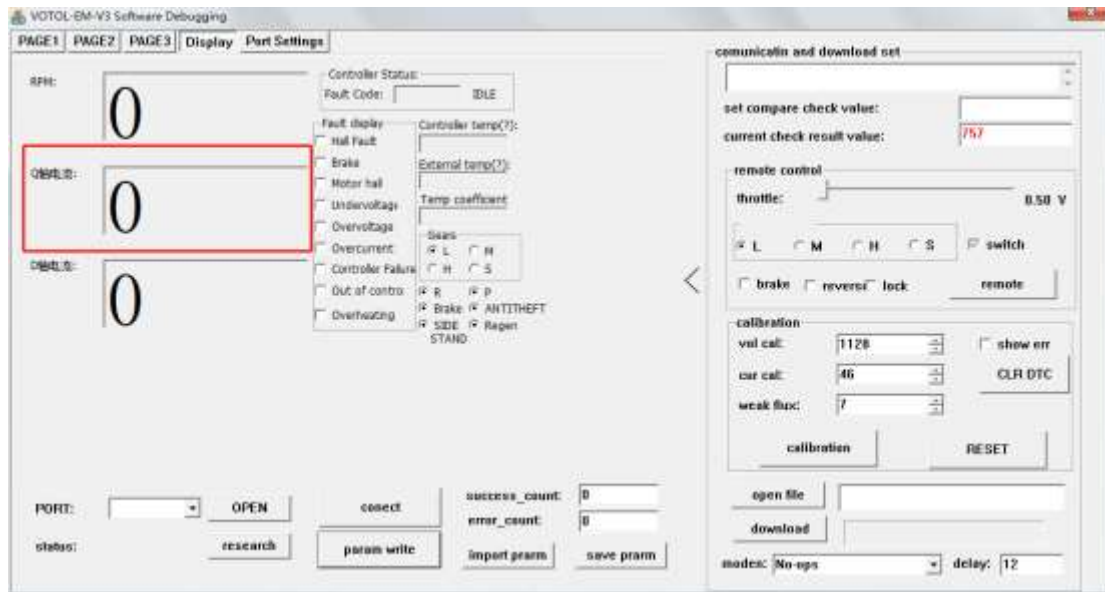
two times simultaneously.



3. Click # switch # twice times.



4. Then twist the throttle to run the motor, and check this value.

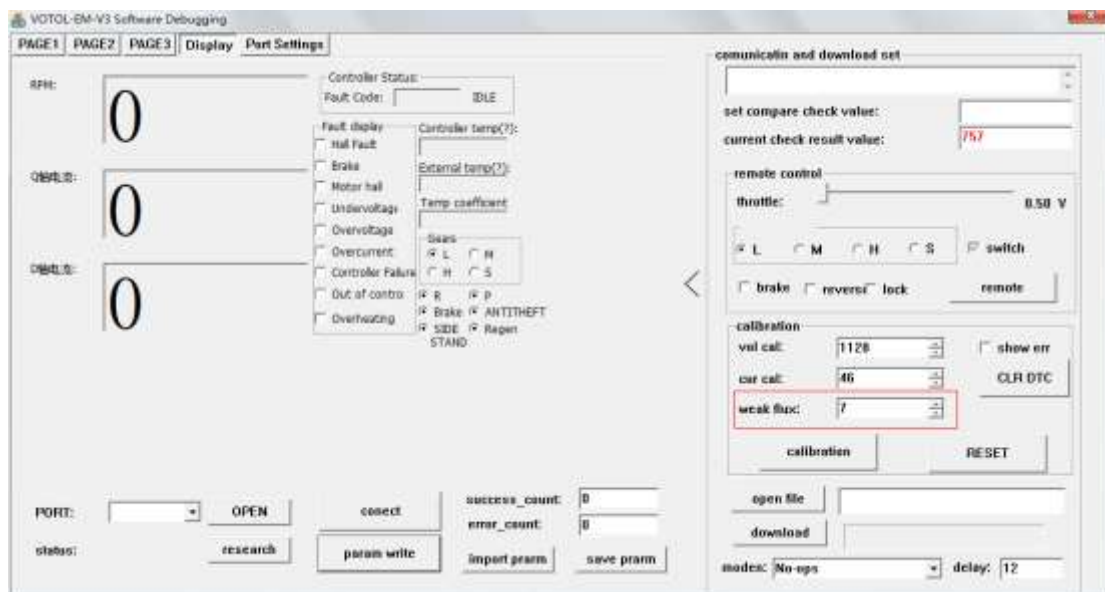


If the value arounds -200, it means normal

If not, please refer to below steps.

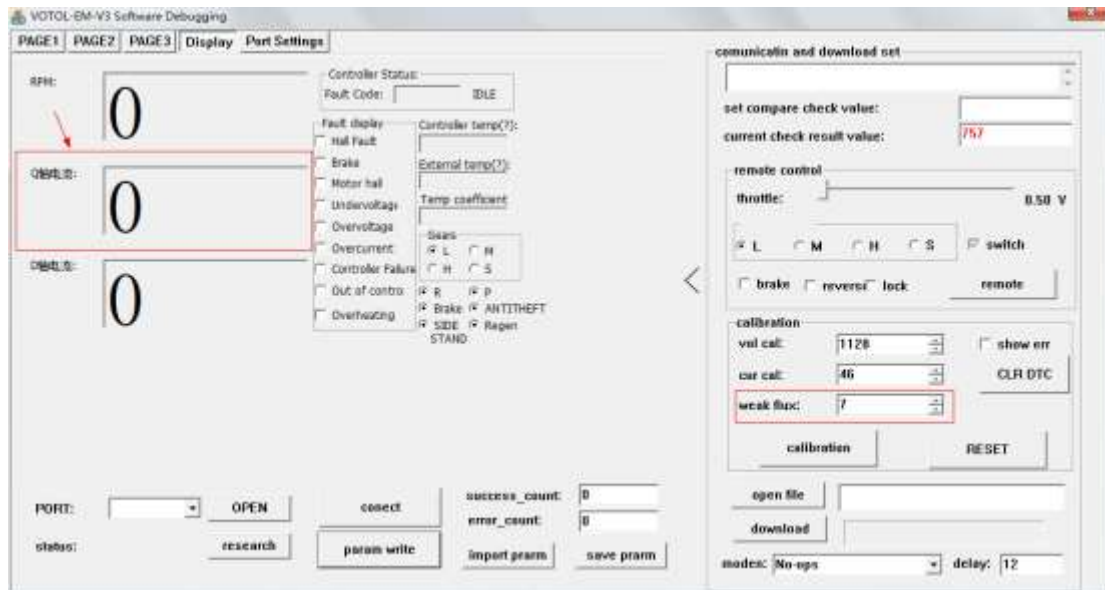
5. Running the motor in full throttle, continue running and don't stop.

In the mean time, adjust the value of # Weak flux #

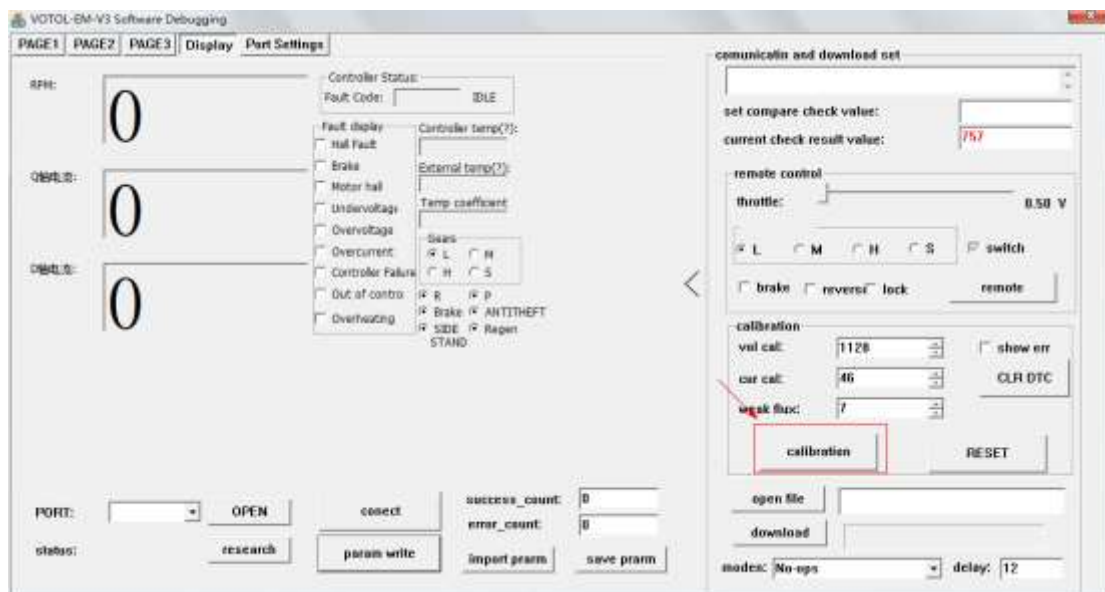


And also, check the value of parameter # Q 轴电流#.

When you find the # Q 轴电流# value changes to near -200, then stop to change the value of # weak flux #, and **keep the final value.**



6. Then click # calibrations #



7. At last, click # Reset #

VOTOL-EM-V3 Software Debugging

PAGE1PAGE2PAGE3DisplayPart Settings

rpm:0

Q轴电流:0

U轴电流:0

Controller Status:
Fault Code: IDLE

Fault display

Full Fault

Brake

Motor hall

Undervoltage

Overvoltage

Overcurrent

Controller Failure

Out of control

Overheating

Controller temp(°):

External temp(°):

Temp coefficient

Swires

☒ L☐ H

☐ H☐ S

☒ R☐ P

☒ Brake☒ ANTI THEFT

☒ SIDE☒ Regen

STAND

PORT: OPEN

connect

success_count: 0

error_count: 0

status: research

param write

import param

save param

communication and download set

set compare check value:

current check result value: 757

remote control

throttle: 0.50 V

☒ L☐ M☐ H☐ S

switch

☐ brake☐ reverse☐ lock

remote

calibration

val cal: 1128

cur cal: 46

weak flux: 7

calibration

RESET

show err

CLR DTC

open file

download

modes: No-ops

delay: 12