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## Enjet APP User Manual

version	date	comments
V1.0	2019-6-20	

## 1. Summary

Enjet Turbojet is developed by ZHONGDONG AVIATION TECHNOLOGY Co,Ltd , you can use it to monitor and set parameters of the turbojet.

## 2. APP Running In

iPhone , Android Mobile

## 3. APP Install

- ◆ iPhone: APP store search "Enjet" and then install
- ◆ Android Mobile: open " <http://www.enjet.cn> " by browser, then will see the app download local , and then download and install.

## 4. APP Start

click the app, then select the language and products. As follows

4.1. click and run the app



4.2. select language



4.3. select products

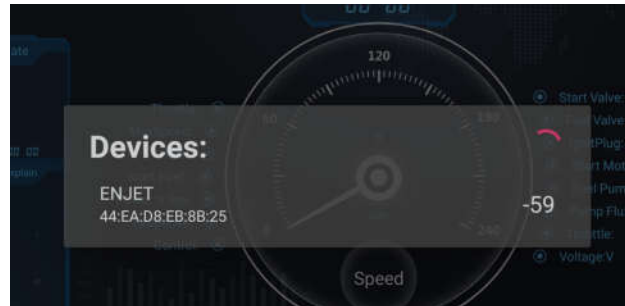


Note: smoke pump in developing now

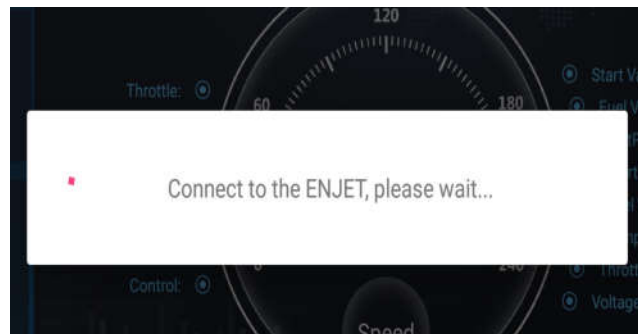
## 5. Turbojet APP operate

### 5.1. Connect to turbojet

make sure that the Bluetooth is open. click the "Connect" button that on the upper right corner. app will search and show the turbojet .



click the turbojet which had found ,then the app will connect with it.



### 5.2. Monitoring interface

the monitoring interface had divide in 7 grounds

- 1) Engine State: show the engine work state(stop/running /colding eg.) ,and show the total running time
- 2) Fault Tips/Explain: show the system faults
- 3) parameter grounds: show the parameters that had be set to the Engine
- 4) Running Time: show the running time that after maintain
- 5) speed and temperature ground: show the speed (RPM) and temperature
- 6) Component monitoring grounds: show the component(start valve, fuel valve, ignitplug eg.) state ,and the throttle ,voltage
- 7) Engine number:show the engine number



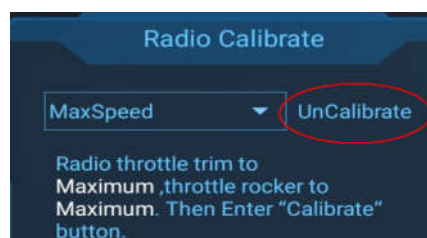
5.3. parameter interface: while in the Monitoring interface ,click the "Setting" button to enter the parameter interface

### 5.3.1. radio calibration



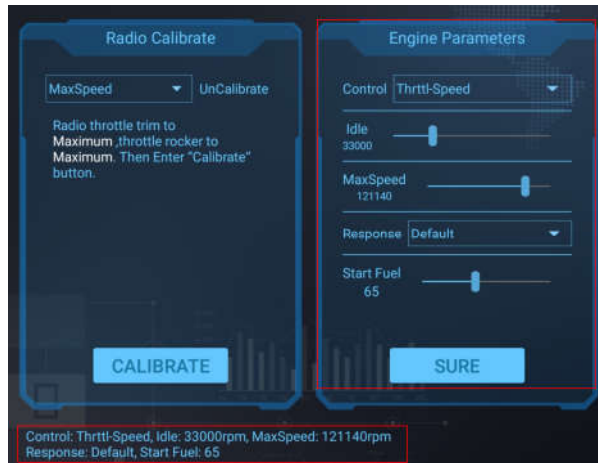
- ✧ we are support "User calibration " and "Default" mode . Generally ,user do not need to calibrate the radio ,just use the Default mode ,because the default mode can match most of radio now.
- ✧ if you want to calibrate the radio ,just follow the notes , calibrate the "stop", "idle", "maxSpeed" . after calibrate the note on right will be " calibrated"
- ✧ if you want to use "default" mode ,just select the "default mode" of the dropdown box, and click the "Calibrate" button.
- ✧ note:

the note on the right of dropdown box, just indicate that after power on if had calibrated. It is mean: if you had calibrated ok and then power off , when power on again , the note will still be "no calibrate" ,but it is really calibrate ok at last power on , now the "UnCalibrate" just mean on this power on have no calibrate , so you do not need to calibrate again , just start the turbojet.



### 5.3.2. Parameter setting

you can set some parameters on this ground, bottom Left will show the current parameters that had been set.



- control mode: you can select "radio-speed" or "radio- thrust " ,but it is not open to user now.
- Idle: you can set the idle speed
- Max Speed: you can set the max speed
- Response mode: you can select "default" ,"fast" ,"unfast" . if in highland , we are advise to select "default" mode
- start fuel: this parameter will be use on start. when start the turbojet , if the value greater more fuel will give to the turbojet . you should adjust this parameter according to fuel circuit , oils eg. In principle ,when start , if fire more , reduce the value , or if feel the fuel not enough , raise the value. please care to adjust this parameter.

### 5.3.3. Component Test

you can test the components in this grounds. just click the light . if light on , component on . if light off ,component off



## 6. Fault description

- 6.1 system ok now : system ok ,not faults now
- 6.2 Battery low: battery voltage low , replace a full battery.
- 6.3 Ignition Error: the ignition had broken down , need to send the turbojet back to factory to repair
- 6.4 temperature error: the temperature sensor had broken down . Can send the turbojet back to factory to repair ,or replace a new temperature sensor send by the factory .
- 6.5 radio error: something wrong had happened when calibrate the radio , check the radio and calibrate again.
- 6.6 Battery error : the battery not fit ,please see the battery type that signed on the turbojet.
- 6.7 Timeout to service : the running time is up to 25 hours ,need to send back and service. the new version of turbojet can still start and run if connect to APP ,but the some old version of turbojet cannot start again, must send back . no matter new version or old version turbojet ,should be send back when timeout.
- 6.8 pump loss: the communication between pump and turbojet had been wrong. please check the wire between pump and turbojet ,or check if pump is still working .
- 6.9 radio loss : please check the radio is on ,or the throttle line is connect to the receiver.
- 6.10 start speed low :when start the turbojet , the speed cannot rise to expect . some reasons maybe:
  - a) start motor fault :when start ,the start motor do not work. must send back to repair.
  - b) Clutch cannot throw out: can try to start one more time , if it still often happen Often, please send back to repair.
  - c) the rotor of turbojet had broken, must send back to repair.
  - d) the start fuel low : you can rise the start fuel ,note that should increase slowly , and care of fire.
- 6.11 start temperature low , some reasons maybe:
  - a) the temperature of ignition head is too low that cannot ignition oil , on this case , the turbojet just smoking . you can replace a full battery ,or go to Component Test and put on the ignition head some seconds then start again . If it still cannot start , and check the oil is no problem , please send back to repair.
  - b) the start fuel is too low : in this case , there is fire in the turbojet . but since oil too few ,the fire is small , and the temperature go up too slow . you can increase the fuel and start again.
  - c) the temperature occurred error : the temperature value suddenly change to 0°C , the reason is that the temperature sensor occurred error . can start again . if it still happen ,

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can send the turbojet back to factory to repair ,or replace a new temperature sensor send by the factory .

6.12 if startup failure , there may some fuel in the turbojet ,so before start again ,you need to put them out of turbojet , otherwise it may cause big fire . You can tilt the turbojet (tailpipe downward) ,then use radio or APP turn the rotor and blow the fuel out.

6.13 temperature high when running: if the ECU check and find temperature high when running, it may be the temperature sensor inaccuracy or the turbojet had been out of order . You can run the turbojet to high speed on the ground and see if the tail spray is red and bright ,if it is, please send back to repair.

6.14 speed signal loss : Magnetic disturbance or speed sensor error can cause speed signal loss . when no interference, you can run on the ground (need to high speed) some times and see if it still happen. if it still happen, please send back to repair.

6.15 fuel block: please check the fuel channel (include oil filtration) is fluent , and check the fuel pump is running ok . if the fuel pump not smooth , please send back to repair.

6.16 Abnormal rotational speed when cooling :please check if the start motor can still running , and if the clutch can joint to the rotor ,and if the rotor can turn still .