FURITEK TEGU 3S MAIN BOARD FOR AXIAL SCX24 WITH FOC TECHNOLOGY
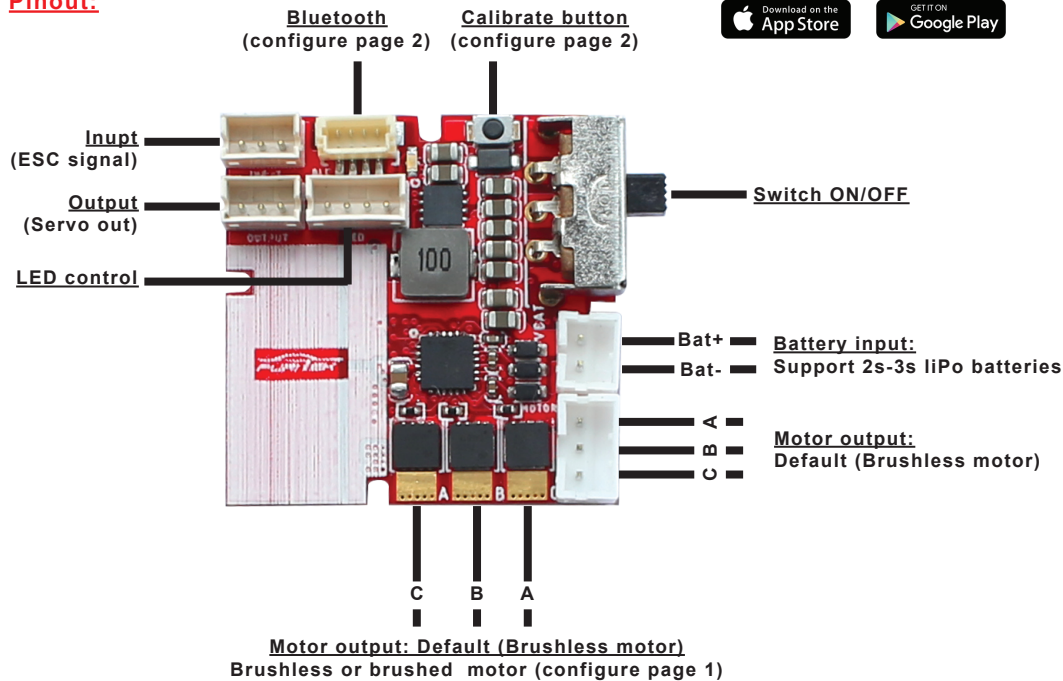
Features:
- Built-in ESC FOC 20A, LED controller, Bluetooth (optional)
- Support brushless DC and brushed DC motor (config via app, default is brushless)
- FOC technology for very low speed in crawler mode with brushless motor
- Work with external receiver
- Built in BEC 5V-1.5A
- Super easy to use programing via App on Android and IOS
- Firmware update available
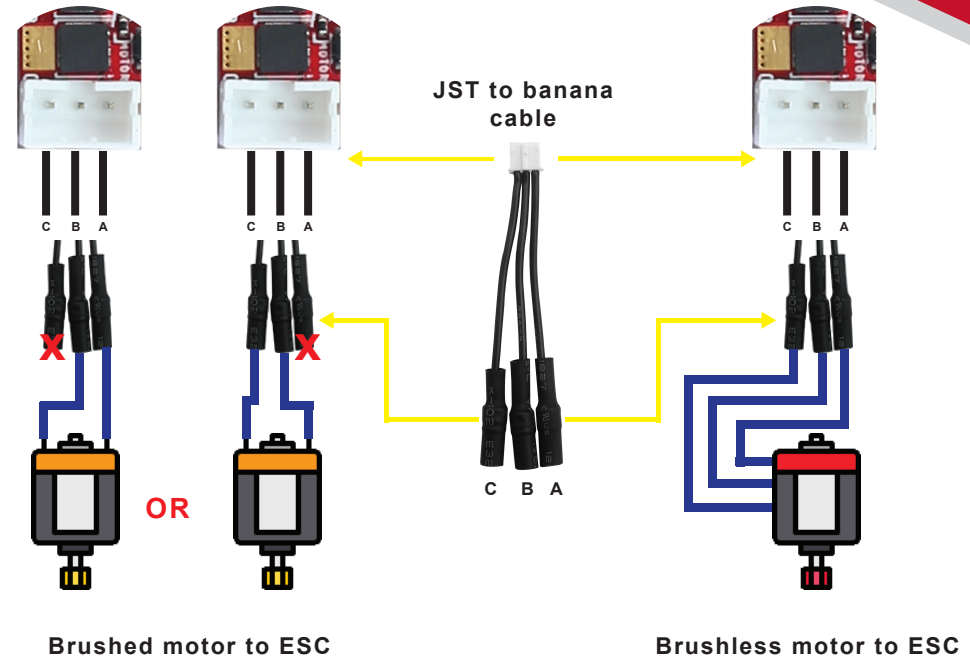- Real-time telemetry up 10Hz
- Support 2S liPo

Specifications:
- Dimension (mm): 30.6(L)x30.6(W)
- Weight: about 5.2g
- Voltage support: 2s-**3s** lipo
- Motor type: Sensorless Brushless DC / Brushed DC
- BEC output: 5V/2A
- Const Current (A): 20A
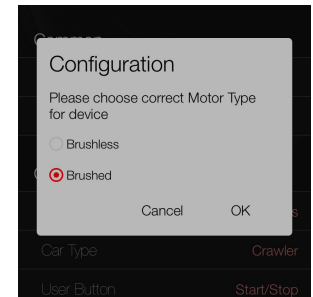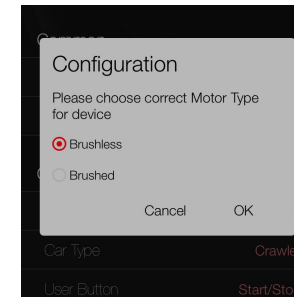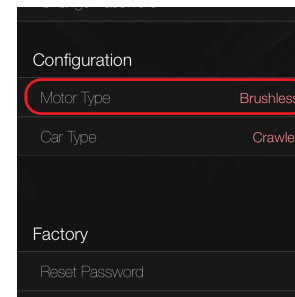- Brust Current (A): 40A

Pinout:

FURICAR

SCAN ME ON APP

[Download on the App Store] [GET IT ON Google Play]

- **Inupt** (ESC signal)
- **Output** (Servo out)
- **LED control**
- **Bluetooth** (configure page 2)
- **Calibrate button** (configure page 2)
- **Switch ON/OFF**
- **Bat+ / Bat-** — **Battery input:** Support 2s-3s liPo batteries
- **A B C** — **Motor output:** Default (Brushless motor)

Motor output: Default (Brushless motor)
Brushless or brushed motor (configure page 1)
C B A

*The "Servo" and "LED" port does'not support in this version.

Connect Brushed/Brushless motor to ESC:

JST to banana cable

C B A

OR

C B A

Brushed motor to ESC

Brushless motor to ESC

*DEFAULT configuration is Brushless motor, if you use BRUSHED motor, please configure it as below:

- **Step 1:** Please make sure to plug your battery to esc and open FURICAR app on android or IOS device

- **Step 2:** Please Click the Setting icon (see picture)

- **Step 3:** Please click "**Motor Type**" menu, a new window pops up, select "**Brushless**" or "**Brushed**" and then click "**OK**"

Configuration	
Motor Type	Brushless
Car Type	Crawler
Factory	
Reset Password	

Configuration
Please choose correct Motor Type for device
◉ Brushless
○ Brushed
Cancel   OK

Configuration
Please choose correct Motor Type for device
○ Brushless
◉ Brushed
Cancel   OK

Bluetooth:
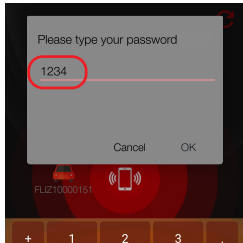- Default password to connect via Bluetooth "**1234**"

***Change password:**
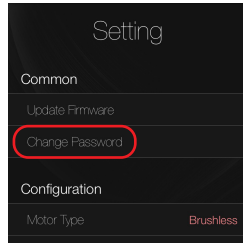- **Step 1:** Please make sure to plug your battery to esc and open FURICAR app on android or IOS device
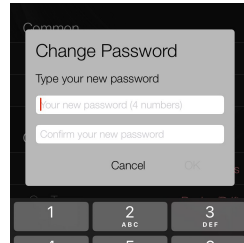- **Step 2:** Please Click the Setting icon (see picture)

≡ Setting ⚙

- **Step 3:** Please Click "**Change Password**" menu, a new window pops up, type your new password
 and then click "**OK**"

Please type your password

1234

Cancel   OK

FLIZ10000151

+   1   2   3

Default password:
1234

Setting

Common

Update Firmware

Change Password

Configuration

Motor Type   Brushless

Change Password

Type your new password

Your new password (4 numbers)

Confirm your new password

Cancel   OK

1   2   3
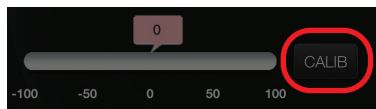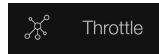   A B C   D E F

Change password

Esc Manual calibration:
A.Calibration on ESC Mainboard:(Do not use for Tegu with case and waterproof)
- **Step 1:** Please make sure to plug the battery to your esc
- **Step 2:** Press and hold the button of ESC (wait for 6 secs and the ESC LED indicator will start blinking
   followed by a motor beeping sound)
- **Step 3:** Set to 0% Throttle or lowest speed (please make sure that your radio throttle stick at
   NEUTRAL POSITION, press the ESC button, ESC LED indicator will blink 1 time and motor will beep 1 time)
- **Step 4:** Set to 100% Throttle or Maximum speed (move your radio throttle stick FORWARD and press the ESC
   button, ESC LED indicator will blink 2 times and motor will beep 2 times)
- **Step 5:** Setting up of your BRAKE (move the radio throttle stick BACKWARD and press the ESC button, ESC
   LED indicator will blink 3 times and motor will beep 3 times)
- **Step 6:** When your ESC show 4 blinking LED light and your motor beep 4 times mean you successfully
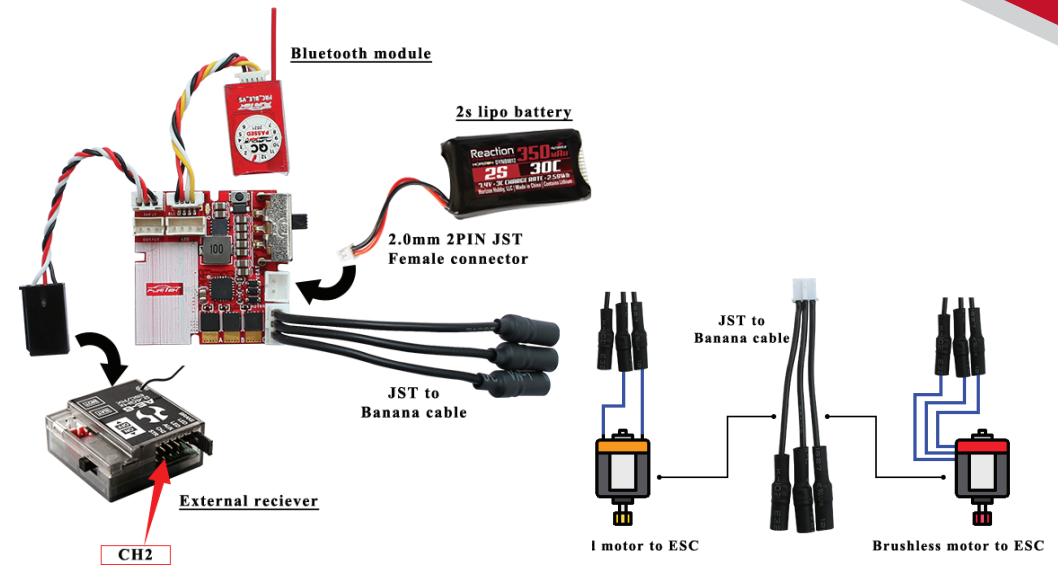   CALIBRATED your Furitek ESC

B.Calibrattion via App: (Your esc need a Bluetooth to communicate with app)
- **Step 1:** Please make sure to plug your battery to esc and open FURICAR app on android or IOS device
- **Step 2:** Please click "**MENU**" ≡ and click "**THROTTLE**"
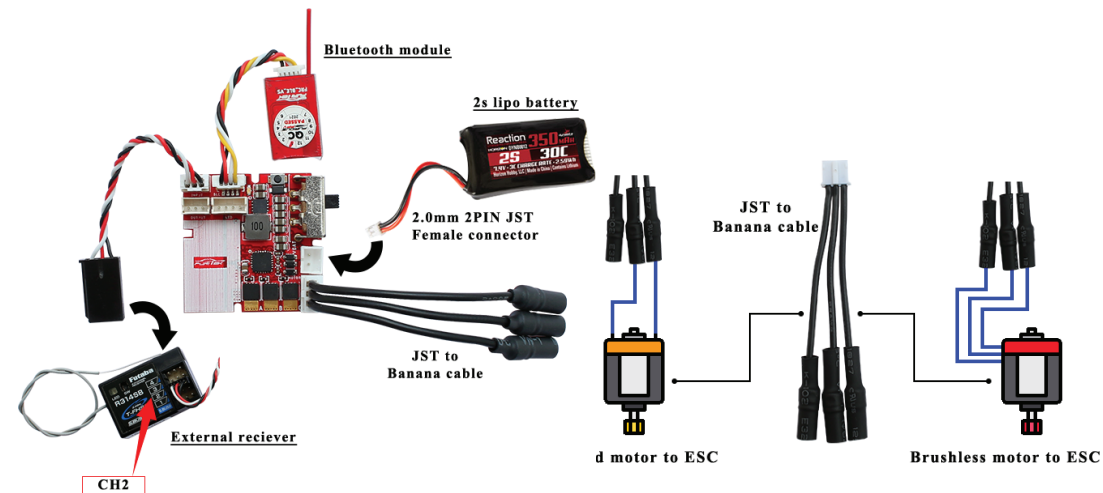- **Step 3:** Please click "**CALIB**" and then click "**YES**"

⊶ Throttle

0

CALIB

-100   -50   0   50   100

Neutral Forward   Normal   ▾

Calib Throttle

Do you want to start Calib?

No   Yes

***Follow intructions on the app screen till fishnish calibration**

Choose Channel2 to connect Receiver to ESC main board:

Bluetooth module

2s lipo battery

2.0mm 2PIN JST
Female connector

JST to
Banana cable

JST to
Banana cable

External reciever

CH2

l motor to ESC   Brushless motor to ESC

Connection Diagram for stock receiver/radio

Bluetooth module

2s lipo battery

2.0mm 2PIN JST
Female connector

JST to
Banana cable

JST to
Banana cable

External reciever

CH2

d motor to ESC   Brushless motor to ESC

Connection Diagram for external receiver