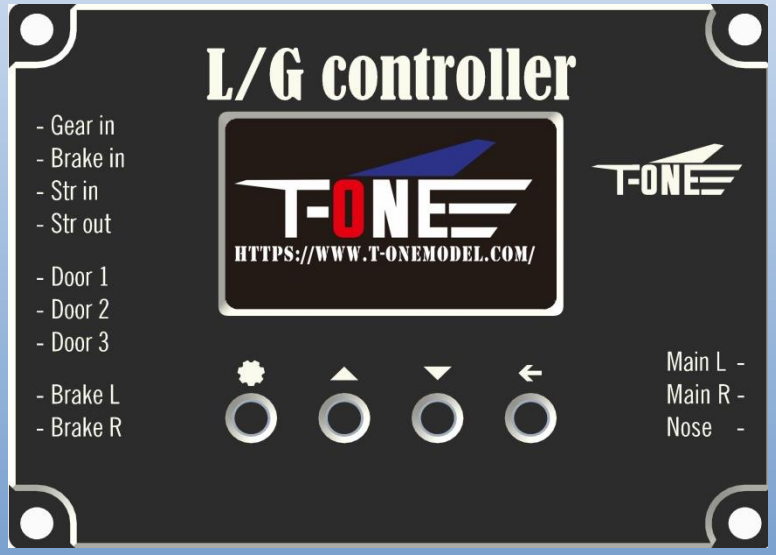
Electric retract controller manual



1.Product introduction

- 1.14“ LED color HD display
- Adjustable L/G control
- Adjustable brake control
- Adjustable gear door control
- Adjustable steering servo
- Adjustable steering assist by ABS brake control
- Steering servo setting
- XT60 plug, 7.4v ~ 8.4v input

2. Connection

- Gear in: L/G control channel
- Brake in: brake control channel
- Str in: steering control channel
- Str out: steering servor
- Door 1/2/3: gear door servos
- Brake L/R: left and right brake unit.

  Caution: distinguish left and right is required!!!
- Main L/R & Nose: L/G units
- Only can operate with power supplied!

  XT60, 7.4V ~ 8.4V (2S Lipo)

3. Status display

- Battery - Battery voltage
- DS – door servos voltage
- Status – L/G status

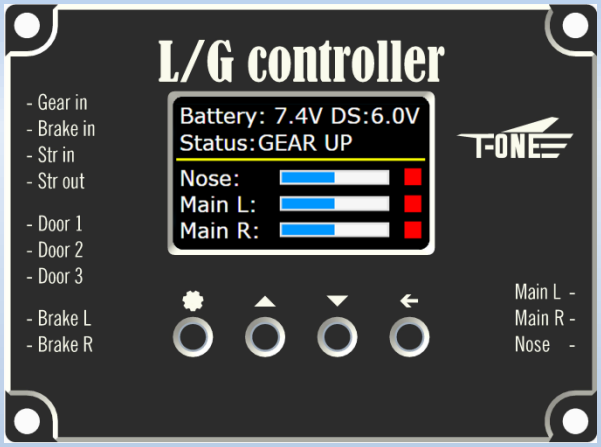
  GEAR UP – gear up status

  GEAR DOWN – gear down status
- Nose/Main L/Main R – L/G unit electric current display

  by the Blue bar
- RED/GREEN – display gear door status

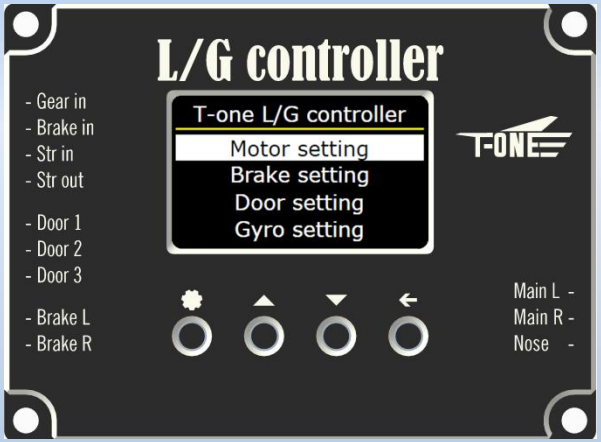
  GREEN: Door open

  RED: Door close



4. Setting

- Motor setting – L/G motor setting menu
- Brake setting – brake setting menu
- Door setting – gear door setting menu
- Gyro setting – gyro setting menu



5. L/G motor setting -1

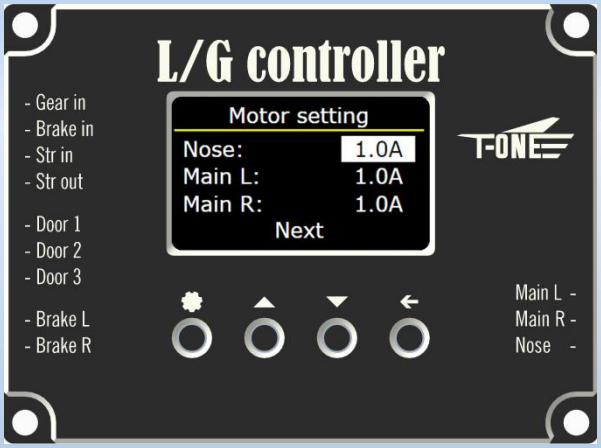
☛ Adjust blocking current of the L/G motor range: 0 ~ 1.8A

Recommendation：

Small size：such as Micro & Mini T1 0.6A ~ 0.8A;

Middle size: such as T1 1A ~ 1.2A;

Big size: such as T3 1.2A ~ 1.5A;

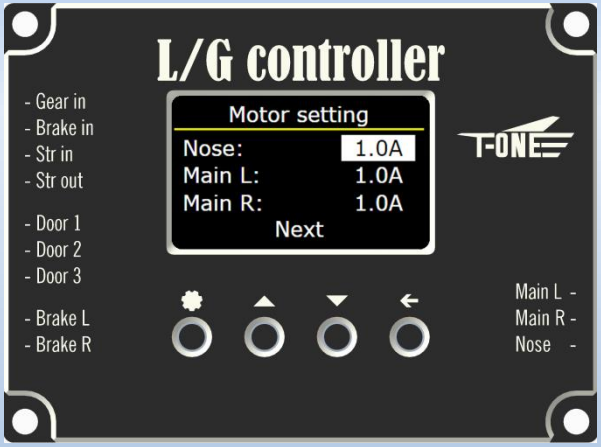


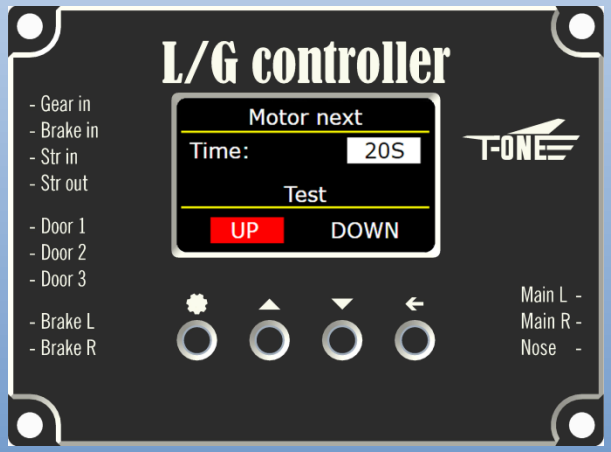
※ Check the L/G unit electric current which is display by the blue bar at the status page after adjust, if the value is no back to “0” after operate the gear controller, readjust the current lower until the blue bar back to “0”.

5. L/G Motor setting -2

- In purpose of protect L/G motor from damage by inappropriate current setting, time limit setting is helpful to cut the current off when exceed the time limit.

- Test: test the L/G operation, also can operate the L/G without transmitter.





6. Brake setting

- Max: brake strength value setting, L-1 ~ L-3。

  L-1: max strength value，L-3: min value

  L-1 no ABS，other value with ABS.

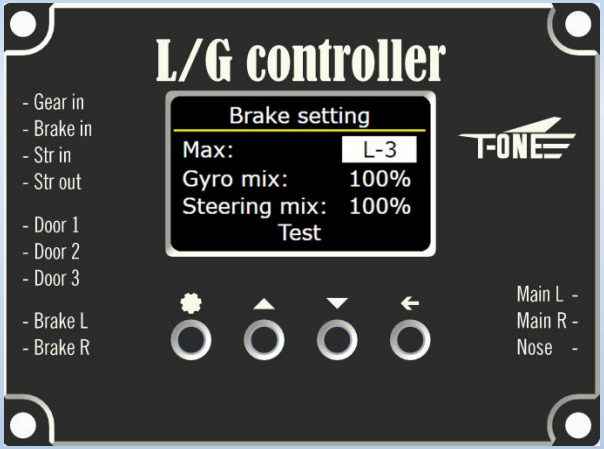
- Gyro mix: 0 ~ 100%，

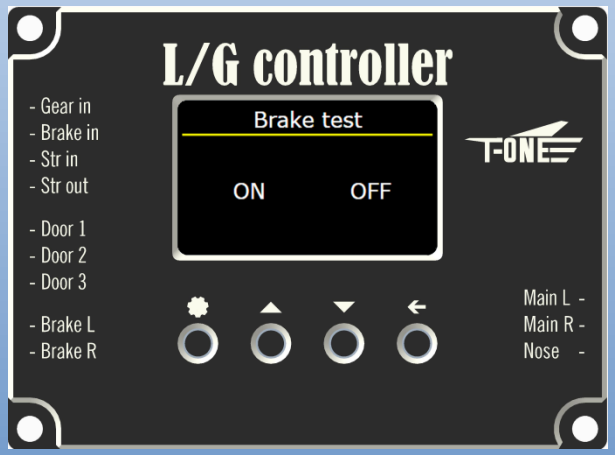
  Recommendation & default:100%。

- Steering mix: 0 ~ 100%，

  Recommendation & default:100%。

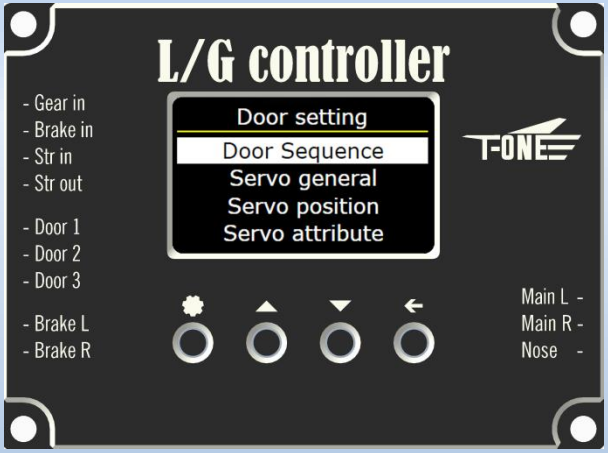
- Brake test





7. Gear door setting 1

- Door sequence
- Servo general
- Servo position: servo travel setting
- Servo attribute: gear door servos speed setting



7. Gear door setting 2

☛ Gear door Sequence

Each Gear door servo can be set separated in two Steps.

Gear up: step1 open , step2 close

Gear down: step1 open, step2 close

Door 1: Left main door;

Door 2: Right main door;

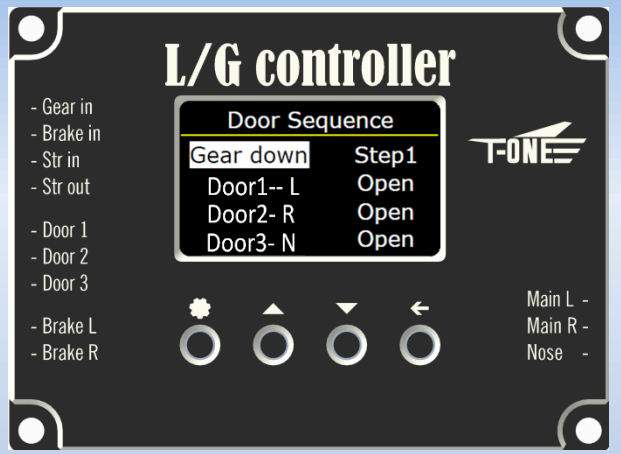
Door 3: Nose door

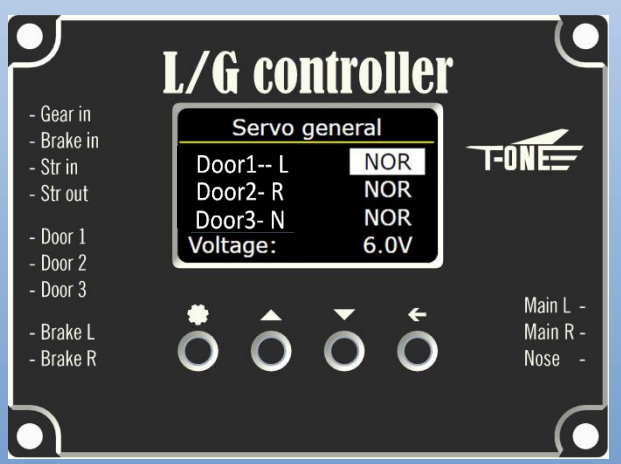
☛ Servo general :

NOR/REV: change servo direction

☛ Voltage: set the voltage of gear door servo

※ Set the correct voltage of gear door servos!

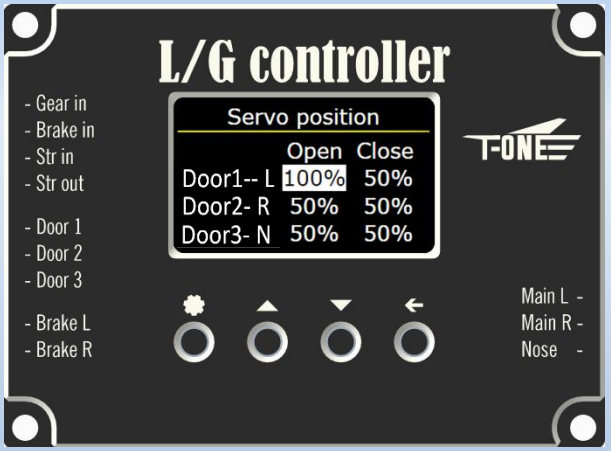




7. Gear door setting 3

☛ Servo position :

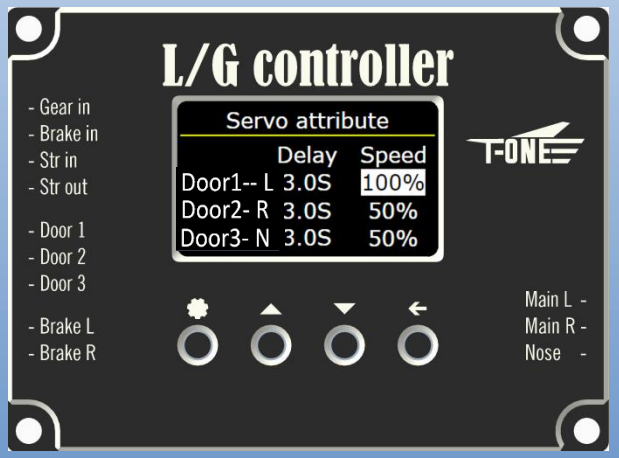
Servo position - Servo treval 0 ~ 100%



☛ Servo attribute :

Delay : 0 ~ 3seconds

Speed setting : 0 ~ 100%

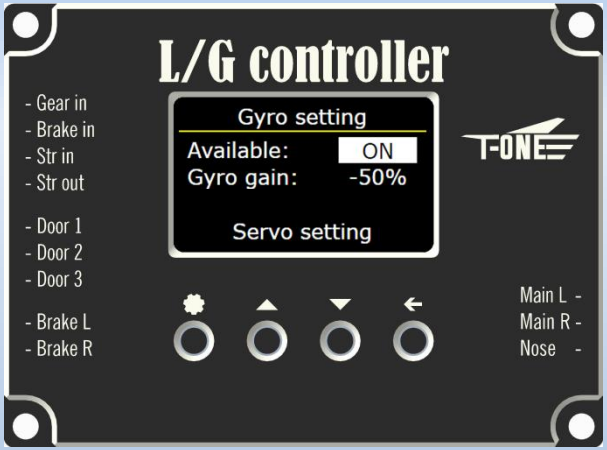


8. Gyro setting

☛ Available：chose function ON/OFF

☛ Gyro gain：-100% ~ 100%.

If the Gyro works in opposite way, adjust the gain value from " - " to "+" or from " +" to "-"



9. Steering servo setting

☛ Trim : Steering Servo Default 0% ~ 100%

Adjust the mechanical setting first !

※ The transmitter trim function will not work once the gyro is on, adjust the trim position in the L/G controller to make sure plane rolling straight as well as possible.

☛ Low/High limit: the travel limit of the steering servo, can be set by this controller or transmitter.