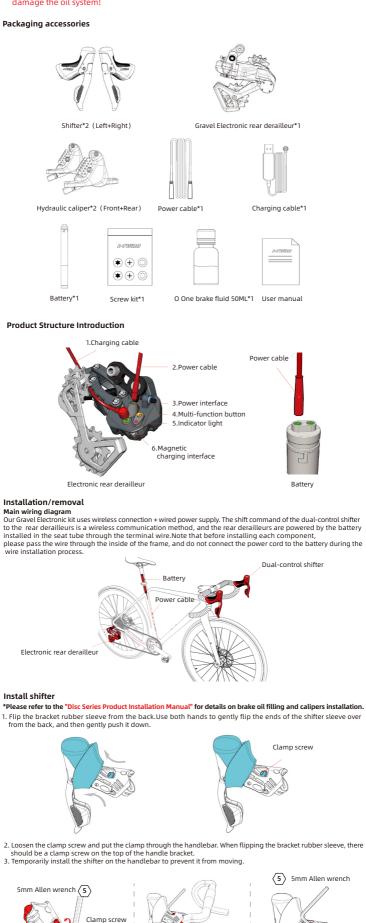
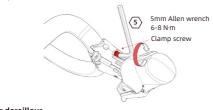


2

- Warning!
  Do not use a damaged power cord to connect the product, otherwise it may cause a short circuit and damage the product.
  This product has the risk of causing fire and burns.
  It is forbidden to disassemble, squeeze or incinerate this product.
  The surface temperature of the product shall not be higher than 60°C.
  There is a risk of explosion if the battery model does not match.
  In order to avoid injury to personnel or damage to equipment and bicycle during use, please do not disassemble, install or modify the product abnormally, otherwise it may not only cause damage to the equipment, but may also endanger personal safety in severe cases!
  There are small parts and brake fluid in the package. Please beware of children's contact. In case of accidents such as eating or drinking by mistake, please take first aid measures and seek medical treatment immediately.
- such as eating or drinking by mistake, please take first aid measures and seek medical treatment immediately. 8. Regarding the brake fluid, in order to avoid allergies such as itching and rashes that may occur when people with different physiques come into contact, please wear a mask and gloves during installation. 9. Please use L-TWOO special mineral brake fluid, and do not use DOT type oil, otherwise it will demonstrate the relievation. damage the oil system!



After installing and connecting the brake hose, check the connection.
 Tighten the clamp screw to fix the dual-control shifter to the handlebar.

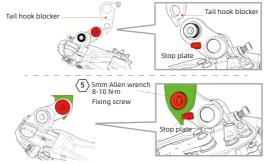


## Install the rear derailleur

Mounting clamp

Install the rear derailleur 1. Secure the rear derailleur Please be careful not to insert the rear derailleur fixing screw obliquely into the tail hook. Also, when installing the derailleur, ensure that the stop plate is in seamless contact with the tail hook blocker. After locking, the derailleur is a lifetime use should be able to rotate relative to the tail hook, but there should be no obvious axial shaking.

Temporary position for subsequent adjustments



2. Connect the power cord Please insert the power cord correctly according to the steps shown in the fig forcibly to prevent the connector from being damaged. At the same time, pleas wire ends of the wire harness to prolong the service life of the wire harness. Whe or cannot be firmly fixed with the front and rear derailleurs, please replace the w e, and do not insert the wire void excessive bending of the e wire harness becomes loose harness in time. e fig se av en the Notice!

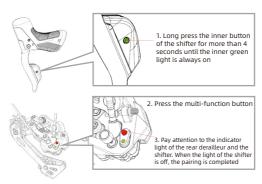
(1) Insert the wiring harness into the power cord interface and slowly rotate the connector to find the accurate interface direction; (2) After confirming the alignment of the V-groove of the interface, press the wiring harness tightly.



- Install battery
  Wrap the battery rubber plug around the bottom of the battery compartment;
  Slowly insert the battery into the seat tube to ensure that the battery will not fall off;
  Insert the two power cables connected to the rear derailleur into the power ports of the battery in an aligned direction. When the seatpost is non-sylindrical or the diameter of the seatpost is non-standard 27.2, please consult the frame manufacturer for the requirements of the seatpost battery installation on the relevant installation accessories.
  Einally negative the seat tube into the frame and tighten the seat tube screws. Finally, gently insert the seat tube into the frame and tighten the seat tube screws.
  - Seat tube Battery Seat tube Seat tube Battery rear derail Battery rubber plug power cord

Note: When using, please make sure the power cord is inserted correctly so that the front/rear derailleur is always connected to the power supply. Bind Once all the components are installed and secured, then check the wire connections and start pairing. After the LTWOO road electronic shifter is newly installed or replaced with a shifter/rear derailleur, it needs to be paired before use.

Binding: Before use, you need to pair the shifters with the rear derailleur once 1. Press and hold the round button on the inside of the right-hand shifter for more than 4 seconds, observe that the internal indicator light is always green, and then press the multi-function button on the rear derailleur, and the indicator light inside the hand transmitter will go out, and the pairing is completed;



### Debugging

2. S

1. Rear derailleur function button adjustment

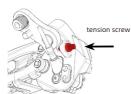
	Button operation	Functional status
	Press once Decrease one gear (up chain)	
Press twice Increase one gear (down chain)		Increase one gear (down chain)
	Long press for 2 seconds (or more)	The green light flashes quickly, press the up and down keys to quickly adjust, enter the continuous motion zero finding mode, and then press the green light for 2 seconds to turn off, save, and exit
	Long press for 5 seconds (or more)	Reset operation: Please lower the chain to the minimum before reset.
Status	display of the indicator ligh	it
		Status display of the indicator light

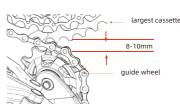
	Status display of the indicator light		
	Charging in progress	Green light flashes slowly	
	Charging completed	Green light stays on	
Charging status      Charging completed      Green light stays on        Low battery (<30%)	Low battery (<30%)	Yellow light flashes slowly	
	Red light flashes slowly and cannot shift gears		
Shift up command Gre Shift down command Gre	Green light flashes once		
	Shift down command	Green light flashes once	
Working status		Red light flashes once	
Working status      Command when imigress gear        No response to shift down command when in lowest gear      Red light flashes onc        When the battery is low (<5%)	Red light flashes once		
		Red light flashes slowly after receiving the shift signal	

3. Fine-tuning function пo

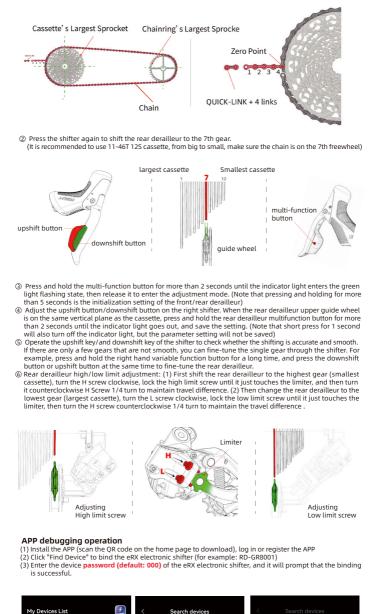
Hold down the circular button on the inner side of the right hand shifter, then press the upshift button Fine-tune value :-Hold down the circular button on the inner side of the right hand shifter, then press the downshift button Fine-tune value :-

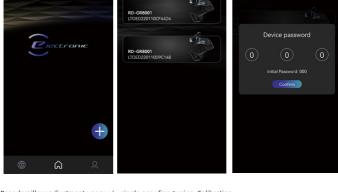
1 Road Electronic Shifter Debugging Method (Important!) Notice! After the bicycle is assembled, enter the debugging process. First adjust the tension screw, shift the rear derailleur and front derailleur to the lowest gear (the largest cassette and the smallest sprocket), so that the gap between the largest sprocket and the guide wheel is within 8-10mm. 1





(Reference for the length of chain: Install the chain on the largest of then joined ends of the two chains, it is advisable to add 5 chains gest cassette and the largest chainring, ains (including quick-link)).





(4) Rear derailleur adjustment : gear +/-, single gear fine-tuning, Calibration
 (5) Shifter adjustment : left and right shifter switch settings

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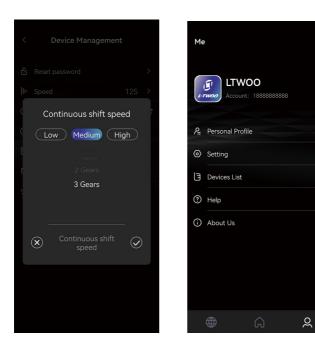
# (6) Rear derailleur calibration function: ensure that the rear derailleur and the chain are in the 7th gear, and then perform +/- fine adjustment so that the upper guide wheel and the cassette are on the same vertical plane (7) Click ".." in the upper right corner of the device connection interface to enter the device management page, where you can modify the device password, check the number of shifts, upgrade the firmware, restore factory settings, Speed shifting,Speed setting for rear derailleur continuous shifting,etc.

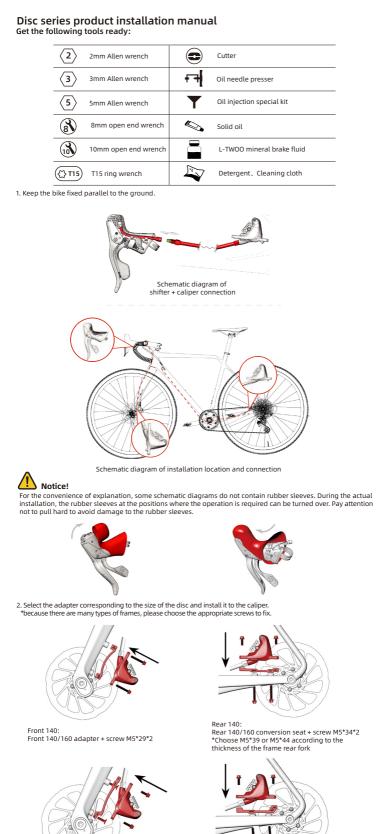


Device Management			
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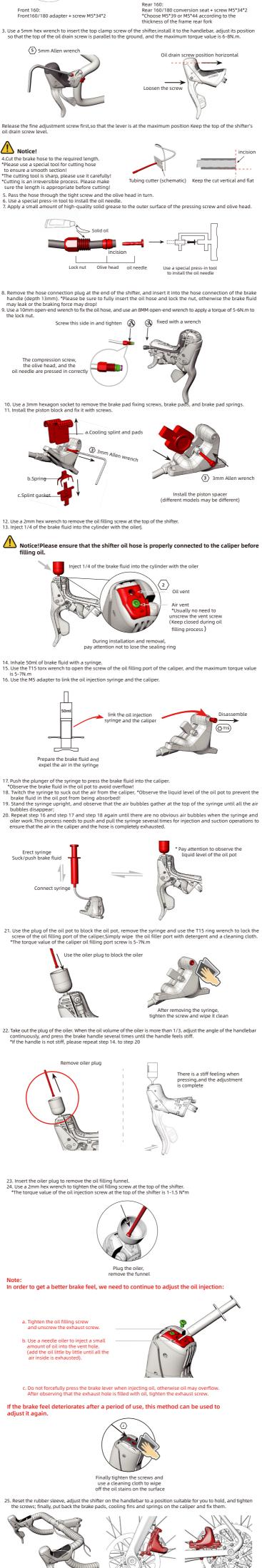
>

(8) Continuous shift parameter setting : Long press the shifter buttons can be continuous shift, shift speed can choose low-medium-high, continuous shift gears can choose 1 gear-2 gear-3 gear-unlimited.
 (9) Other APP operations: My-personal information modification, Personal Information Settings, account setting, device list management, Version update, etc.





Front 160: Front160/180 adapter + screw M5\*34\*2



Now that the installation is complete, you can continue to install and debug other components. Thank you again for choosing and using L-TWO0 products!

Effect diagram after installation

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