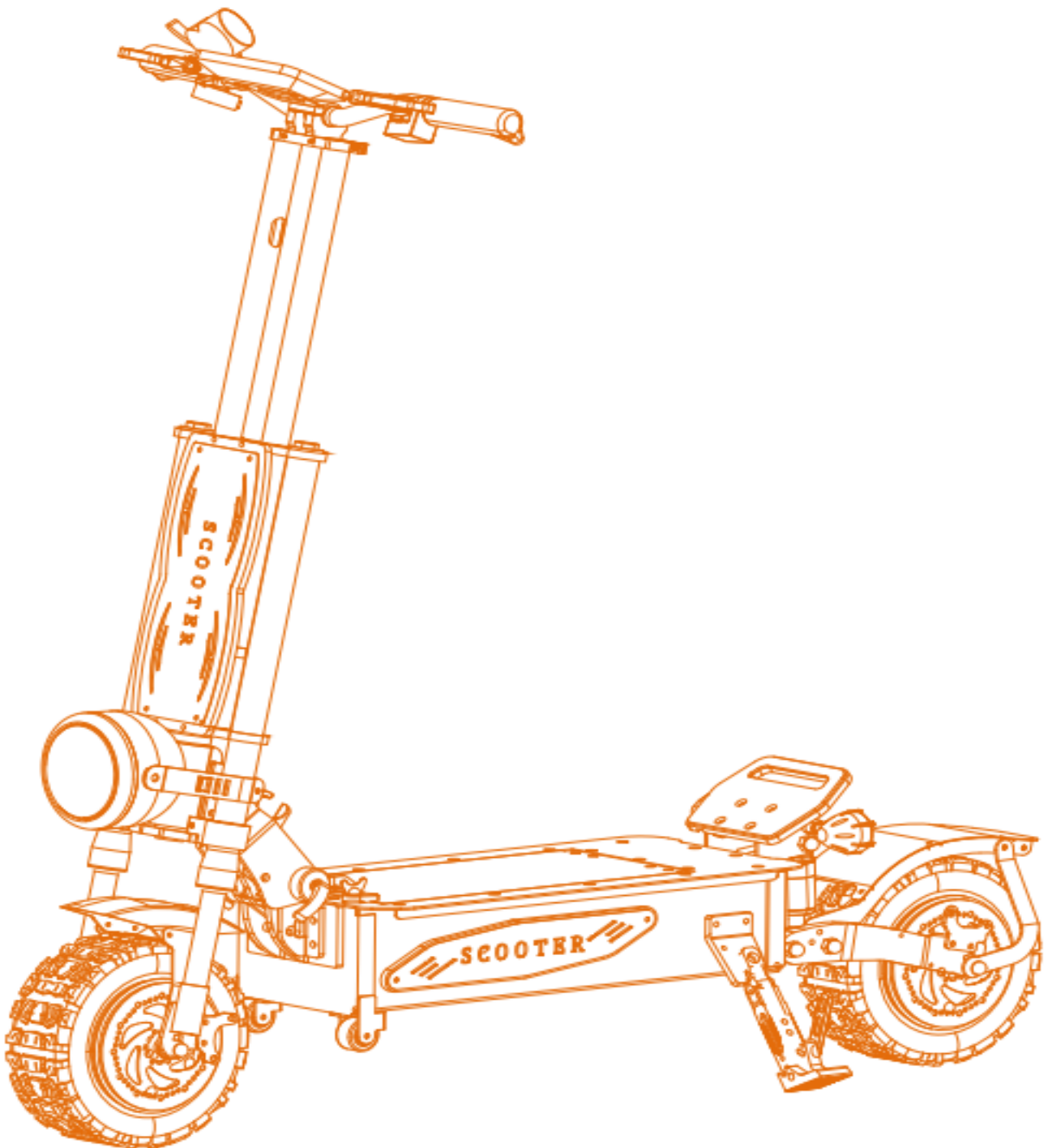


ANDBEE

AB2

11inch Dual Motor

E Scooter Manual



1.The main technical parameters

Parameters		
Performance and specifications	Maximum speed	About 55-60mph (depend on scooter Motor or Voltage)
	Maximum mileage	85miles(depend on Battery Capacity)
	Maximum Load	About 180kg
	Scooter weight A	bout 65-75kg(depend on model & battery)
	size	135*70*132cm (Open Size) 141*62*70cm (Folded Size)
	Net weight	51kg
	Gross weight	62kg
	Start form	Factory default zero start
assembly unit	Motor (brushless motor)	3000wx2pcs
	Battery Voltage	60v/40ah
	Instrument	Multifunctional LCD instrument
	Headlight	LED Headlights (with Horn)
	Breaker	Front and rear Brake by Fluid
	Break Handgrip	Power brake
	Front and rear wheels	Inflatable (11inch)
	Plastic parts	Environmentally friendly high-strength plastic parts

Disclaimer:

Please abide by the relevant laws and regulations of the local bike ride ,
The Company are not responsible to all the consequences of speeding up
for personal reasons.

Top-T5 refers to the instrument operation manual of electric scooter.

2022.11.14

Version: V1.0

1. Physical diagram of instrument

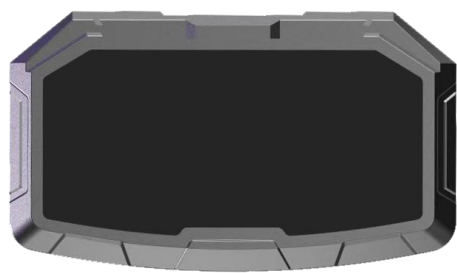


figure 1

2. Screen display diagram

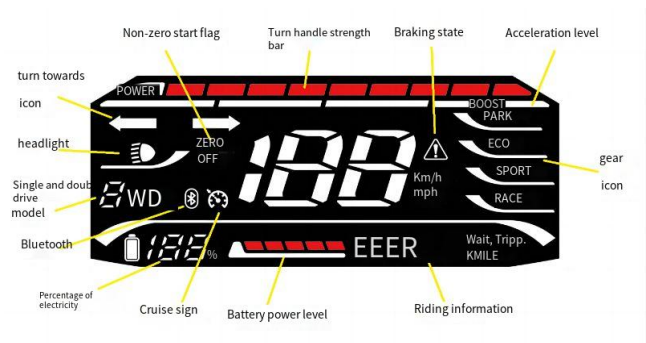


Figure 2

3. Instrument Accessories Diagram



Figure 3- Multifunctional combination switch Figure 4- Accelerator with self-locking key

4. working parameter

- (1)The working voltage of the instrument: DC36V/48V/52V/60V/72V is compatible, and the parameters can be adjusted to display the battery capacity adaptively.
- (2)The acceleration Hall signal is directly connected to the controller, and the adjustment is sensitive and accurate.
- (3)Communication adopts Uart bidirectional communication port, which can adjust some functions of the controller and receive speed information or other status information.
- (4)The instrument will automatically shut down in 3 minutes without speed.
- (5)The instrument connecting wire adopts 6-core wire.

5. Connection line description

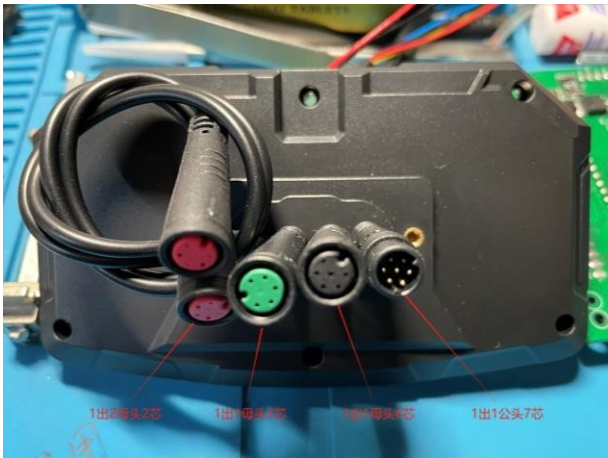


Figure5

- (1)Connecting line between instrument and controller: the instrument end is a male 7-core waterproof head.

Tabl e1: Li neSequenceTabl e

seria l num ber	sign	Cable color	Function definition
one	P+	red	Battery cathode
2	DMS	purple	electric door lock
three	GND	brown	Battery cathode
four	SP	green	Acceleration throttle signal
five	TX	blue	Instrument sends TXD
six	RX	yellow	Meter receiving RXD
seven	BRK	white	Low level brake signal

- (2)Connecting wire of instrument and multifunctional combination switch: the instrument end is a female 6-core waterproof head.
- (3)Instrument and accelerator connecting line with key: 5-core waterproof head with female head at instrument end.
- (4)Connecting line between instrument and power-off brake handle: the instrument end is

five	TX	blue	Instrument sends TXD
six	RX	yellow	Meter receiving RXD
seven	BRK	white	Low level brake signal

(2) Connecting wire between instrument and multifunctional combination switch: the instrument end is a female 6-core waterproof head.

(3) Connecting wire between instrument and accelerator with key: the instrument end is a female 5-core waterproof head.

(4) Connecting wire between instrument and power-off brake handle: the instrument end is a waterproof head with 1 outlet, 2 female heads and 2 cores.

5. Display function

- (1) Speed display: 0 ~ 199km/h or 0 ~ 199 mph.
- (2) gear display: PARK (parking), ECO (economy), SPORT (sports) and RACE (racing) modes are adjustable.
- (3) Information display: running time, TRIP, ODO and battery VOLTage (vol).
- (4) Fault icon display
- (5) Display of battery capacity.
- (6) Function parameter adjustment menu

6. Description of key type

Instrument key type:

Power button, hereinafter referred to as "P key"

Mode key, hereinafter referred to as "M key"

+key, hereinafter referred to as "+key"

-key, hereinafter referred to as "-key"

Headlight button

Horn key

Left and right turn signal knob

Speed limit switch (self-locking type)

7. Operating instructions

Power on: press and hold the P key.

Power off: in the non-setting state, press and hold the P key.

Shift gear: when the speed is displayed, press the+key briefly, and PARK -> ECO -> SPORT -> RACE; ; Press the-key, RACE -> SPORT -> ECO -> PARK.

Switch the display information: in the speed display state, press the P key briefly, and TIME -> TRIP -> ODO -> VOL information will be switched cyclically.

Type

Enter the current parameter type setting: press and hold the P key or the M key for about 1s to enter the setting state of the current type parameter, and the current parameter content will flash.

Adjust the current type parameter value: short press+key to decrease the current parameter value, and short press-key to increase the current parameter value.

Password operation: short press+key to increase the current password value, short press-key to decrease the current password value, short press P key to switch the next password value circularly, long press M key to confirm the current password, if the password is correct, the subsequent interface will be displayed, otherwise there will be no action.

NFC card adding operation: enter the setting menu CA, enter the correct user password, and enter the password according to the password operation instructions. After the password is successfully entered, you can enter the card adding mode, and then paste a new card at the sensing position to enter it. After the entry is successful, the current number will change, and the newly added card will be swiped again to exit the card adding mode. After exiting the setting menu, the new card can be used normally.

Note:

(1) Up to five cards can be entered, which is a circular entry. When five cards are entered, the new card will be countersigned with the old card number.

(2) The power-on password is "0000" by default, and users can modify it by themselves.

8. Set parameter menu description

Table2

function	default	function declaration	remarks
P00	11.0	Motor wheel diameter (inch -inch)	
P01	51.5	Undervoltage protection value (accuracy 0.5V)	
P02	15	Motor pole logarithm (pair), pole logarithm = number of magnetic steel sheets ÷ 2.	
P03	one	(0) Selection of external (1) internal speed measuring signal	Not modifiable
P04	0	(0)Km/h (1)Mp/h speed unit selection	
P05	0	(0) Zero startup (1) Non-zero startup mode selection	
P06	0	(0) The cruise is invalid (1) Is the cruise valid?	
P07	0	(0) hard start (1) soft start and soft start selection	
P08	100	Percentage speed limit (5% minimum -100% maximum)	
P09	2	(0) Turn off (1) weak (2) strong E-ABS strength setting.	
SC	"0000"	Enter the original password-> new password for the first time-> new password for the second time, and the modification is successful.	Only the password function is valid.
CA	-	Card adding mode: enter the correct user password, use a new card to fit the sensor position, and the card	Only applicable to NFC

PBA*	0	(0) Turn off (1) Turn on Bluetooth to disconnect, and app will remind you.	
PBR*		In the blinking and adjustable state, set the parameter to 'Y', and hold down the P key until "ok" is displayed, and the Bluetooth is successfully reset, so that the new connection can be paired again.	

9. Description of status signs and fault codes

The brake signal will always be on when braking or when braking is abnormal.

When a fault occurs, the riding information area of the instrument will flash to display the fault code. Please refer to Table 3 for the specific fault code.

Table 3

Fault code	explain
21E	Controller failure
22E	Acceleration throttle failure
23E	Hall fault of motor
25E	Brake failure
30E	Instrument or controller communication failure

Note: * is a Bluetooth function, which is only effective when Bluetooth is used together.

2.NFC card boot method

NFC card boot

Press the power button and bring the NFC card close to the bottom left of the dashboard to turn it on.



Schematic diagram of F machine:

1



2



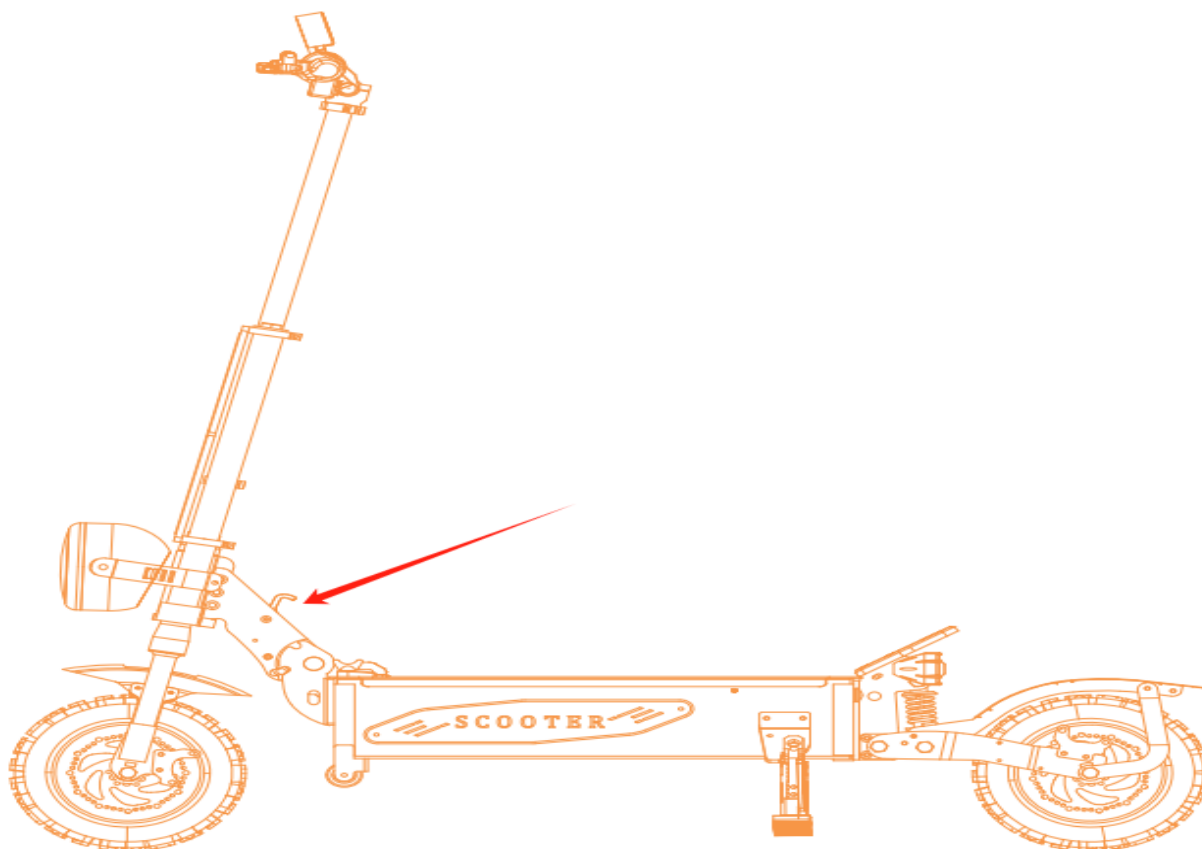
3



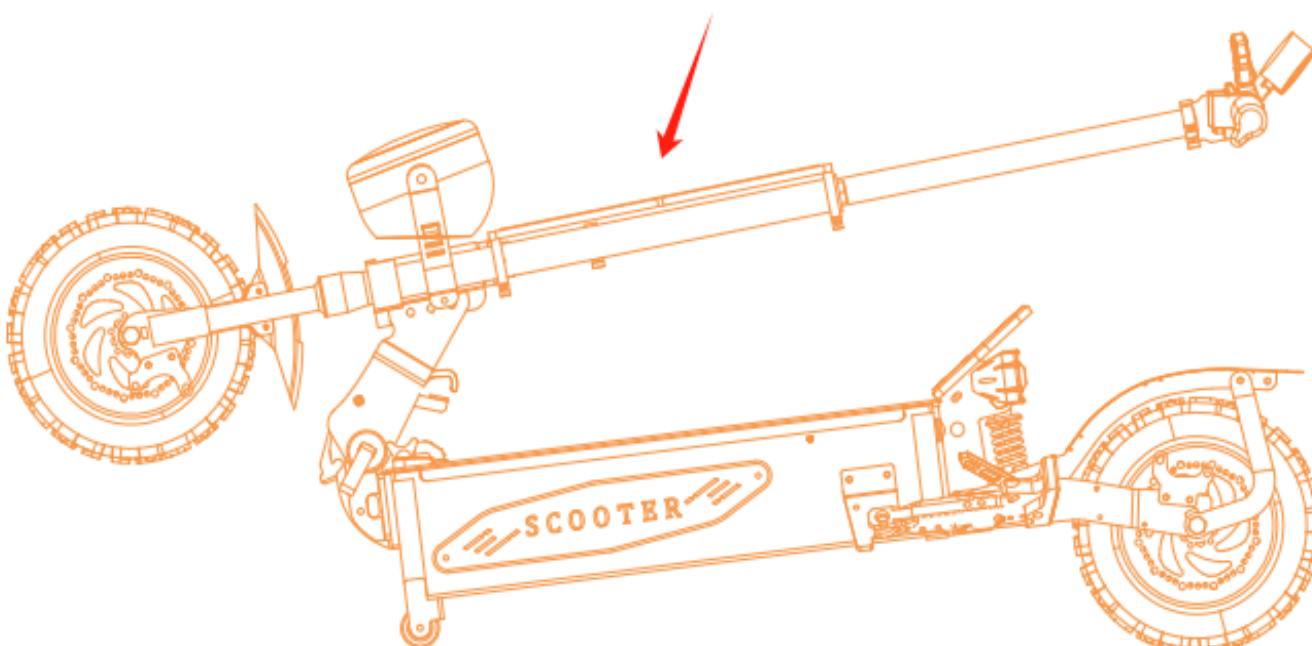
3.The operating instructions for folding

First

take out the Unlock button first;



Then Press the fold button to fold it.



4. Pedal Lock Password



locksmith



Reset Password



packed

Pedal Lock Reset Password Steps. (Original Password is 000)

1. Use tool sets to take out the handle of the pedal.
2. Turn on the Pedal Lock (with original password).
3. Use tool to insert the small hole of the lock. Then reset the new Pass ward that you want (such as 123).
4. Take out the tool, then reset password "123" finished.
5. Reinstall the pedal handle .

Notes : Pls do not forget the new password if you have reseted the passpard.

5.The procedure for removing the battery



6. Announcements

(1) Safe driving

In the acceleration or deceleration time, be aware to avoid the body's gravity in the hand, to avoid the body forward. The standing posture should be keeping your feet one after the other, thus lead to more secure and stable riding.

A. When turning, the body is parallel to the handle. Please pay attention to the road condition before turning. Be sure it is safe and then turn.

B. When the brakes, the gravity center of body backwards. It is better to learn to control the center of gravity when braking. Otherwise it will cause two situations: the car tilted forward, as well as brake and steering system damage.

(2) Charging Steps.

(Very important, pls as below steps to charging)

1. Connect the charger to the scooter first.
2. Insert Plug the Electric City (110V -240V or OK).
3. the charger with green light is full charged, Red light is on charging.
1. When charging, please put safe place where children can not touch.
2. The red light indicates charging and the green light indicates charging is complete.
3. If you do not use it for a long time, charge it every 2 months.
4. Do not charge in a damp place.
5. Do not run the motor while charging.
6. Avoid contact with the material leak out of the battery accidentally.
7. Failure to store or recharge in accordance with the correct method may result in damage to the battery and no charge.

6.The warranty reference for Electric Scooter

Product name	Warranty year	Warranty coverage
Pole	A year	/
Footboard	A year	/
Folding Handgrip	A year	/
Battery	Half year	/
Motor	A year	/
Multifunction instrument	A year	/
Others	none	none

Note:

Damage caused by human factors is not covered by the warranty. In the free warranty period, we do not charge maintenance fees. (Note: not include material costs) But the resulting transport costs borne by both parties. The company has the final interpretation.

User warranty card

User name	Purchasing date
Tel	Address
Product name	Model
Purchasing store	Breakdown description

Note:

Due to the company's product upgrades, may part of the display of the product content you get will be different from the instructions, but will not affect your normal use.