

Step 3. To stop, release the throttle and use the handbrake to gradually coast to a stop then step off the scooter one foot at a time. Be extra cautious when dismounting for the first time. When using the brake, the taillight will blink automatically.

Step 4. To turn the scooter off, remain at a complete stop and press the power button. The display and lights will turn off as the scooter powers off.

Cruise Mode

Step 1. Accelerate to reach the desired speed.

Step 2. Press the Cruise button to enter the Cruise mode. Press the upshift button+ and downshift button- to adjust the cruise speed.

Step 3. Use the throttle or the brake to turn off Cruise Control.

5.2 Practicing Guidelines

Practice until you are comfortable with using all of the scooter's functions. See the following tips below.

- Wear casual clothing and flat, closed-toe shoes to maintain your flexibility and stability.
- Practice until you can easily get on, move forward, turn, stop, and dismount with ease.
- Make sure the pavement is even. Do not operate on a slope until you are experienced.
- The E22 PRO is designed for relatively smooth, flat terrain. When driving on uneven terrain, slow down.
- Until you are comfortable using the scooter, avoid operating in places with pedestrians or obstacles.

MAINTENANCE



- Do not perform any maintenance when the power is on, or the battery is charging. Do not let water or liquids get into the scooter as this will cause permanent damage to the electronic components.
- After each ride, especially if you have traveled a long distance, inspect your scooter.
 1. Inspect the brake to make sure it's working properly.
 2. Make sure all screws and bolts are taut and properly fastened to prevent injury and unnecessary wear and tear.



For questions, concerns, or part replacement, please contact customer service.

6.1 Cleaning

The E22 PRO may need cleaning after riding for extended periods of time. See the following tips below.

- Completely power off the scooter before cleaning.
- Use dry, non-abrasive cloth to gently remove debris or dust.
- If needed, dampen cloth with water or a mild cleaner and wipe off the scooter.
- Never use alcohol or ammonia-based cleaning solutions.
- Never spray liquid directly onto any part of the scooter.
- Do not allow any type of liquid to come in contact with the scooter's electronic parts.

6.2 Storage

- Before storing the scooter, fully charge it to prevent battery over-discharge due to non-use.
- If storing the scooter for more than one month, discharge and recharge the battery every three months.
- Cover the scooter to protect it from dust. Do not store in a dusty environment as, with all electronic devices, this may cause damage over time.
- DO NOT store the scooter in an unheated garage, shed, or other location with extreme temperature fluctuations or ranges. Store only in environments where temperatures will be stable and kept between -20°C to 60°C.

6.3 Transportation

Before moving, lifting, or otherwise transporting the scooter, turn it off. Fold the scooter (see Section 3.1 for instructions) and pull the scooter along as you move it if needed.

 **When lifting the entire scooter, please note that the E22 PRO weighs approximately 40.8 lbs (18.5kg). If you are unsure of your ability to lift this weight, please use both hands or have a second person help.**

Section 7

SPECIFICATIONS & BUTTON FUNCTIONS

7.1 Specifications

| | |
|---------------------------|---------------------------|
| Top Speed | 19.8 MPH(32KM/H) |
| Motor Power | Rated 350W, peak 630W |
| Weight Capacity | 265 lbs(120Kg) |
| Battery Capacity | 36.5V 7.8Ah |
| Battery Charger | DC42V 1.5A |
| Charge Time | About 5.5 Hours |
| Charger Power Requirement | AC100-240V~50/60Hz 2A Max |
| Tire Size | 8.5 Inch Tires |

Attention!

Actual driving range factors: height, weight, Road conditions, use times and other factors affect the actual endurance. Please note!

7.2 Button Functions

| Button | Operations | Functions |
|--------------------|--------------------------|---|
| Power Button | Long press for 3 seconds | Turn on/ Turn off the scooter. |
| Power Button | Short press 2 time | Switch kilometers and miles. |
| Cruise Button | Short press 1 time | Enter the cruise mode by the current speed. |
| ⊕ Upshift Button | Press 1 time | From white to yellow to red |
| ⊖ Downshift Button | Press 1 time | From red to yellow to white |
| Headlight Switch | Press 1 time | Short press the light button on/off Lights. |
| Headlight Switch | Long press for 3 seconds | Turn on/Turn off the pedal light. |

7.3 Error Code

| Trouble code | Meaning of fault | Checking method | Replacement parts |
|--------------|-------------------------------|--|------------------------------------|
| E0 | Communication Failure | 1、 Check whether the communication connection wire from the controller to the meter is crushed or not, and whether the end of the terminal is plugged tightly. | 1、 Replace communication cable |
| | | 2、 Instrument Damage | 2、 Replace controller |
| | | 3、 Damaged controller | 3、 Replace meter |
| E1 | Accelerator Failure | Check that the finger-dial wires are not crushed, the terminals are not disconnected, and the terminal ends are not pinched. | Replacement of Finger Picks |
| E2 | Controller Overvoltage Fault | Controller damaged | Replace controller |
| E3 | Controller Undervoltage Fault | Battery loss or battery damage | Replace Battery or controller |
| E4 | Controller Overcurrent Fault | Check the controller for water ingress and external short circuits | Replace controller |
| E5 | Motor Hall Failure | Check that the wires from the motor to the controller are not crushed and that the terminals are tightly inserted and that the motor is not damaged. | Replacement of hall wires or motor |
| E6 | Motor Stall Fault | In the case of vehicle shutdown to check whether the motor idling can be turned, if it does not turn it means that the motor bearings are damaged resulting in | Motor Hall Failure |

| Trouble code | Meaning of fault | Checking method | Replacement parts |
|--------------|--------------------------------|--|---|
| E7 | Phase Failure | Check that each phase wire at the phase terminal is not disconnected; Damage to gauges and controllers | Replace the communication cable , meter or Controller |
| E8 | Brake Failure | Check for detached and broken brake cables and malfunctioning emergency brake paddles. | Replacement of brake handle or Emergency brake paddles |
| E9 | Motor High-Temperature Failure | Motor temperature is too high when riding, internal temperature of the motor>110 C. | Stop riding, when the motor temperature drops to 60 C, the motor will resume automatically. |

Section 8

WARRANTY

We provide 12-month or 6-month warranty for different parts, please refer to the warranty or contact our service team by mail.

| Category | Parts | Warranty Period |
|-------------------|--------------|-----------------|
| Dynamical system | Battery | 12 months |
| | Motor | 12 months |
| | Controller | 12 months |
| Electrical system | Display | 6 months |
| | Charger | 6 months |
| | Governor | 6 months |
| | Key switches | 6 months |
| Wear parts | Tire | 1 month |

Instructions for Using Tuya Smart APP

Note: Before using the APP, please turn on the Bluetooth of your mobile phone and connect your electric scooter with your phone!

Step 1: Download and install "TuyaSmart" APP in the app market, or scan the QR code below to download, Android, Iphone universal.

Step 2: Install the APP. The APP icon is shown below



Step 3: Connect Steps

Connection mode 1

1. Turn on the E-Scooter and click the downloaded APP icon to open the APP.
2. After opening the APP, it will automatically search for the vehicle, and when the device is found, there will be a pop-up window indicating "Found device to be added", then click add, wait until the click is complete, when the Bluetooth connection is successful, the vehicle will make a sound of "drip", and the Bluetooth icon of the vehicle will be displayed as steady on.
3. After the APP enters the operation interface, there will be a pop-up prompt "Request to obtain your location information". Please click "Allow" to ensure the normal use of the map.

Connection mode 2

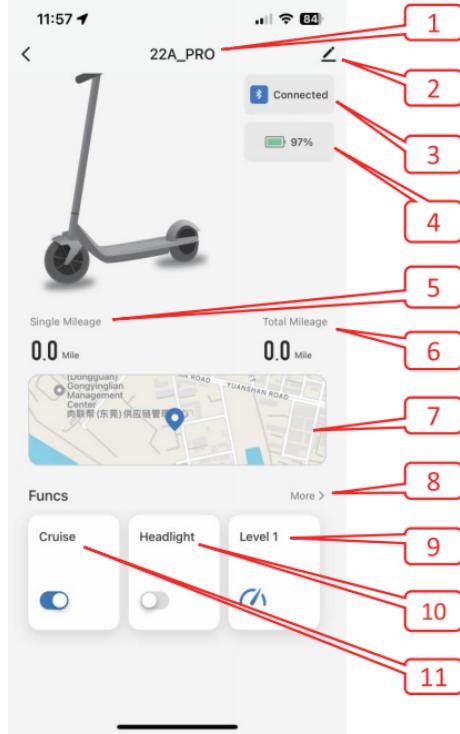
1. Turn on the E-Scooter and click the downloaded APP icon to open the APP.
2. Open the APP, click "Home" and then click "Add Device".
3. After the APP displays the device discovery, click "Add". When it is prompted that the device is added successfully, click "Finish" button to enter the APP control interface.
4. After the APP enters the operation interface, there will be a pop-up prompt "Request to obtain your location information". Please click "Allow" to ensure the normal use of the map.



APP Control Main Screen Description

1. Scooter name
2. Scooter Settings
3. Bluetooth Connection Status
4. Battery Display
5. Single Mileage Display
6. Total Mileage Display
7. Driving Track
8. More Functions
9. Gear Setting
10. Headlight Control
11. Cruise Control Switch

Note: "Cruise Control Function" is the function of controlling scooter's cruise control, not the state, when the "Cruise Control Function" is turned off, the scooter can not press the cruise control button during the journey to make the scooter enter the cruise status.



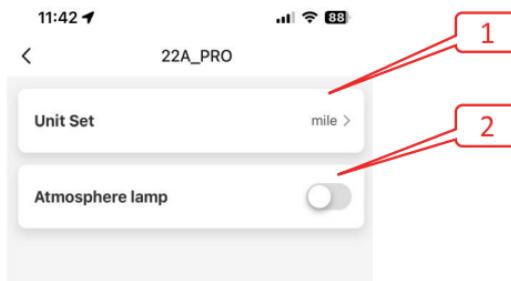
APP Driving Trajectory Interface Description

1. Power Display
2. Real-time Speed Display
3. Mileage Display
4. Riding Time
5. Average Speed
6. Start and Finish Riding

Note: The dial hands will not move until "Start Riding" is pressed.

APP More Functions Interface Description

1. Mph and Km/h Switch
2. Pedal Ambient Light



FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.



CAROMA
E22 PRO

Made in China