



Wheelchair Power Attachment

Electric Handcycle



Email: info@elesmart.com

Tel: +86-13685249056

Web: www.elesmart.com

Add: West Industrial Park, Hutang, Wujin District, Changzhou City, Jiangsu Province, China

www.elesmart.com

Technical parameters

Product Name: Wheelchair Power attachment

Model: ELESMAART A3

Intended Use: Provides power to the wheelchair

Patient Population: The elderly and disabled

Indication: Urban smooth road

Shelf Life: five years (excluding wearing parts)

Wheel Diameter: 12"

Motor Power: 36V 350W

Speed*: 25KM/H

Torque: 40Nm

Lithium Battery: 7.8/12.8AH

Range(KM): 40/60

Display: COLOR TFT+USB

Frame: Standard

Connection Method: Side



- 1. Gear and Speed Parameters: 3 forward gears, maximum speed of 25KM/H, 1 reverse gear, right-hand control for forward motion.
- 2. Cruise Control Function: Enabled by default, can be turned off.
- 3. Maximum Speed: Affected by actual user conditions, load, road conditions, etc., with a variation of ± 5 KM.
- 4. Range: Measured with a weight of 50kg work on 1 level on a flat road. Range depends on user weight, road conditions, wheelchair tire condition, battery condition, speed, and driving habits.
- 5. Charger: Complies with EU regulations, EMC tested, 36V dimensions is 104.3*53*26mm, 300g, Easy to take !

Installation instructions

1. Sit in your wheelchair and near the handlebars



2. Push the rocker forward and lift the wing couplings



3. Attach wing couplings to the wheelchair



4. Push the handlebars until the kickstand are off the ground



5. Screw safety switch lever



6. The frame is shown below



7. Turn on the meter



Dismantlement

1.Loosen the safety switch lever



3.Put down handlebars until the kickstand reaches the ground



5.Gently lower the wing couplings



2.Push the rocker forward and slightly lift handlebars



4.Remove wing couplings



6.Push forward the handlebars



Key switch



Matters needing attention

Dear customer, please read this manual before you use KT-TF01 Display. The manual will guide you use the instrument correctly to achieve a variety of vehicle control and vehicle status displays.

1.Functions and Display

Instrument adopts the structural form of integrated design of the main part of the instrument and the operation button.



| | | | | | |
|----|------|----------------------------|----|----------|-------------------------|
| 1 | | UP Button | 11 | DST | Trip distance |
| 2 | | SW Button | 12 | ODO | Total distance |
| 3 | | DOWN Button | 13 | PAS | Pas level |
| 4 | | Battery capacity indicator | 14 | | 6Km/H push power assist |
| 5 | VOL | Battery voltage | 15 | THROTTLE | THROTTLE display |
| 6 | | The brake display | | ASSIST | ASSIST display |
| 7 | | Power display | | CRUISE | CRUISE display |
| 8 | TEMP | Environment temperature | | TIM | Single trip time |
| | MOTT | Motor temperature | | TTM | Total trip time |
| 9 | Km/H | Real riding speed | | AVS | Average speed |
| 10 | | Riding speed display | | MXS | MAX speed |

2.Operation

1. ON/OFF

Hold button long to turn on the power, and hold long for a second time to turn off the power. When the motor stops driving and when the e-bike is not used for a consecutive 5minutes, it will automatically shut down and turn off the motor power supply.

2. Display 1



Hold button to start up and enter display.

2.1 Assist ratio gear(ASSIST)switch



Press or to switch 1-3 file gear. Gear 1 is for the minimum power, gear 3 is for the highest power. Each startup will automatically restore the gear shutdown last time (the user can set randomly).

2.2 6Km/H assist promotion function



Hold and flashes, the vehicle drives at the speed not more than 6Km/h. Release button, the function is invalid.

2.3 Cruise function



When C7 parameter setting is 1 (see C parameter setting), the meter turns on cruise function, hold button (DOWN) long to enter the cruise status when the vehicle speed is more than 7 km/h, and the cruise function logo (CRUISE) lights. Brake or hold any button to revoke cruise function.

2.4 Display and delete of single data



After power on for 5 seconds, hold and at the same time, single trip riding time (TIM) and single trip distance (DST) flash,hold button shortly, the content of both is cleared. If failed holding the button within 5 seconds, it will automatically return the display interface after 5 seconds, original content is preserved.

3. Display 2



Press button in display 1 to enter display 2. In the riding mode within 5 seconds, display 2 automatically returns to display 1.

4. Display 3



Press button in display 2 to enter display 3. In the riding condition, 5 seconds later, a single maximum speed (MXS) display automatically returns to the real riding speed (Km/H).

5. In display 3, hold button shortly (sw),and the display will re-enter display 1.

6. Hold button to turn off the display and the power supply of controller.

7. Automatically prompt interface

7.1 Error Code Display:

- 1 Motor position sensor fault!
- 2 Motor or controller short circuit fault!
- 3 THROTTLE fault!

Once the fault was removed, it automatically exits from the fault code display interface.

7.2 Motor temperature alarm

When the motor temperature (the internal motor should be equipped with the temperature sensor and the output of temperature detection signal) is over the warning value, MOTT °C (°F) flashes to alarm at any display, meanwhile the motor controller will offer the appropriate protection to motor.

3.General Project Setting





1. Set Max speed

| | |
|--------------|--------|
| LIM : 72km/h | C1 : 2 |
| DIM : 12" | C2 : 0 |
| UNT : 0 | C3 : 1 |
| P1 : 88 | C4 : 4 |
| P2 : 1 | C5 : 0 |
| P3 : 1 | C6 : 3 |
| P4 : 0 | C7 : 0 |
| P5 : 15 | C8 : 0 |
| NEXT > | |

Within 5 seconds after power on, hold and at the same time to enter General Setting interface, move to maximum speed setting LIM,press button LIM flash, press or to set the maximum riding speed.Press button Maximum riding speed stop flashing,then press to save.




2. Wheel diameter setting

| | |
|--------------|--------|
| LIM : 72km/h | C1 : 2 |
| DIM : 12" | C2 : 0 |
| UNT : 0 | C3 : 1 |
| P1 : 88 | C4 : 4 |
| P2 : 1 | C5 : 0 |
| P3 : 1 | C6 : 3 |
| P4 : 0 | C7 : 0 |
| P5 : 15 | C8 : 0 |
| NEXT > | |

Move to DIM, press , it flashes and then to DIM setting, press  and  to set wheel, chosen field within 5、6、8、10、12、14、16、18、20、23、24、26、27.5、700C、28 and 29 inches. Press  to stop flashing and save.


3. Set the metric units

| | |
|--------------|--------|
| LIM : 72km/h | C1 : 2 |
| DIM : 12" | C2 : 0 |
| UNT : 0 | C3 : 1 |
| P1 : 88 | C4 : 4 |
| P2 : 1 | C5 : 0 |
| P3 : 1 | C6 : 3 |
| P4 : 0 | C7 : 0 |
| P5 : 15 | C8 : 0 |
| NEXT > | |

Move to UNT, press , to enter UNT setting when it flashes, chosen field is within 0、1、2、3. Press  button to save and press  to go to the next parameter settings.

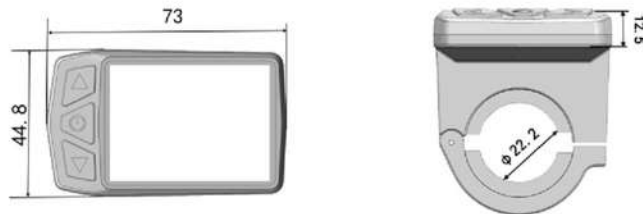
| Code | Speed | Mileage | Ambient temperature |
|-------|-------|---------|---------------------|
| UNT:0 | Km/h | Km | °C(Temperature) |
| UNT:1 | MPH | Mil | °C(Temperature) |
| UNT:2 | Km/h | Km | °F(Fahrenheit) |
| UNT:3 | MPH | Mil | °F(Fahrenheit) |

4. Exit from routine project setting

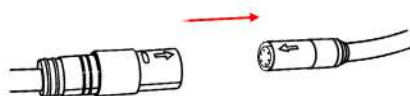
All three routine project settings can exit from the setting environment and return to the display by holding  button long after each setting is completed, meanwhile the setting values are saved, under each setting interface, if the button failed holding for more than 1 minute, it will automatically return to display 1, and the setting value is invalid.

4. Outline Drawings and Dimensions















1. Dimensions of main instrument body



2. Wiring diagram



Labels, Packing Logo Design

| Symbol | Introductions | Symbol | Introductions |
|---|------------------------------|---|---|
|  | Batch Code |  | CE Symbol |
|  | Warnings and Precautions |  | Non-Sterile |
|  | Medical Device |  | Manufacture Date |
|  | Manufacturer Name Address |  | Name and Address of European Union Representative |
|  | Country of Manufacture |  | Model Number |
|  | Importer |  | Distributor |
|  | Unique Device Identification |  | Consult instructions for use |

Manufacturer



Company: CNEBIKES CO.,LTD

Address: West Industrial Park, Hutang, Wujin District, Changzhou City, Jiangsu Province, China

European Authorized Representative



Company: SUNGO Europe B.V.

Address: Fascinatio Boulevard 522, Unit 1.7, 2909VA Capelle aan den IJssel, The Netherlands

Cleaning and Maintenance

Wipe with a neutral cleaner and wipe with a clean, soft cloth.
Check the screws are loose and locked with matching screwdriver.

Warranty

Warranty Coverage

Thank you for choosing the ELES MART Electric Wheelchair Handcycle. This product is covered by a 2-year limited warranty from the date of purchase. The warranty applies to defects in materials and workmanship under normal use conditions.

Warranty Period

- Motor and Frame: **2 years** from the date of purchase.
- Electronic Components (LCD Display, Controller, Battery etc.): **1 year** from the date of purchase.
- Wearable Parts (Tires, Brake Pads, etc.): **6 months** from the date of purchase.

What is Covered?

- Defects in materials and workmanship.
- Functional failures due to manufacturing defects.
- Malfunction of the motor, battery, and other critical components under normal usage.

What is Not Covered?

- Damage caused by misuse, abuse, or accidents (e.g., improper handling, water damage, etc.).
- Normal wear and tear of consumable parts such as tires, brake pads, and handles.
- Unauthorized modifications or repairs.
- Damage resulting from failure to follow the user manual instructions.
- Cosmetic damage, including but not limited to scratches, dents and discoloration.

Warranty Claim Procedure

1. **Contact Customer Support:** Reach out to our customer support team via email info@elesmart.com or call us at +86-13685249056 with your proof of purchase, product serial number, and a description of the issue.
2. **Return Authorization:** Our team will assess the issue and may request you to ship the defective part(s) back to us for further inspection. We will provide you with a return authorization number and instructions on how to return the product.
3. **Repair or Replacement:** If the defect is covered under warranty, we will repair or replace the defective part(s) at no additional cost to you. Repaired or replaced parts will be warranted for the remaining period of the original warranty.
4. **Shipping Costs:** The customer is responsible for shipping costs to return the product to us. If the warranty claim is valid, we will cover the shipping costs to return the repaired or replaced product to you.

Important Notes

- This warranty is valid only for the original purchaser and is non-transferable.
- Warranty coverage is only valid in the country of purchase.
- Any replacement or repaired parts provided under this warranty will assume the remaining warranty period of the original product.

Customer Information

- Name: _____
- Phone Number: _____
- Email Address: _____
- Date of Purchase: _____
- Serial Number: _____
- Place of Purchase: _____
- Address: _____

For Service, Contact:

ELES MART Customer Service

Phone: +86-13685249056 Email: info@elesmart.com Website: www.elesmart.com



WARNING

1. When do emergency braking, please do not only brake the hand cycle, but also you must brake your rear wheel of wheelchair itself.
2. Normally, please do not brake hard, try to brake it slowly.
3. Recommended to use wheelchair power attachment at low speeds around 12km/h and avoid driving too fast.

**We are committed to providing you with the best products and services.
Thank you for choosing ELES MART.**