



# Wheelchair Power Attachment

Electric Handcycle



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## Technical parameters



**Product Name:** Wheelchair Power attachment

**Model:** A5

**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/48V 500W

**Speed\*:** 25KM/H

**Torque:** 45Nm

**Lithium Battery:** 10.4/12.8/16

**Range(KM):** 50/60/70

**Display:** COLOR TFT+USB

**Frame:** Suspension

**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  $\pm 5$ 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. Loosen the safety switch lever & Press the switch button as below



3. Attach wing couplings to wheelchair



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



5. The frame is going to be in this state



6. Screw safety switch lever & Press the switch button as below





7. Turn on the meter and you're good to go



## 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.

## Dismantlement

1. And when you want to turn it down, turn down the safety switch lever



2. Press the switch button, lift the handlebars and push them forward



3. This is going to be the state



4. Screw safety switch lever



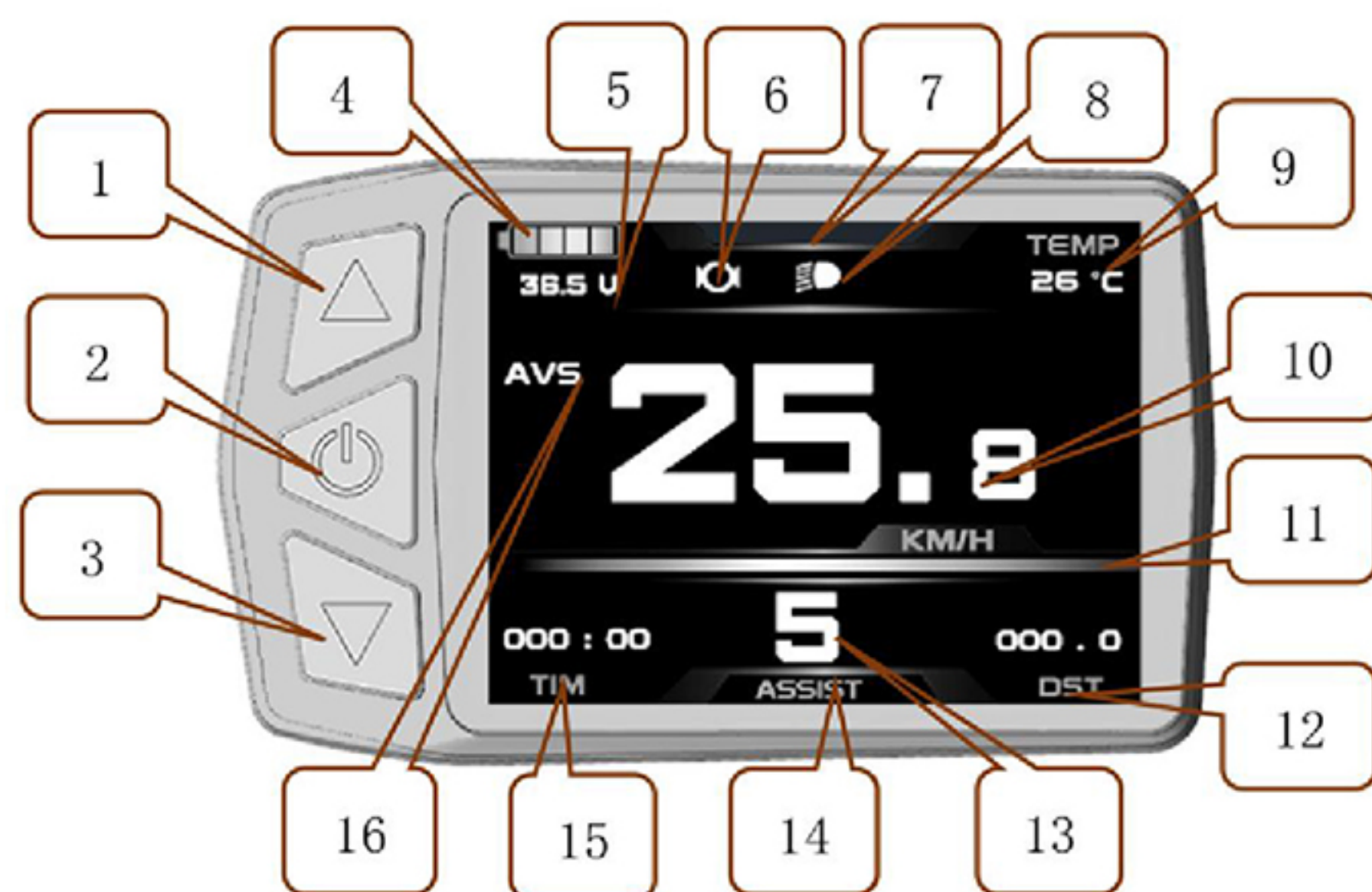


# Matters needing attention

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		Riding speed display
2		SW Button	12		Trip distance
3		DOWN Button	12		Total distance
4		Battery capacity indicator	13		Pas level
5		Battery voltage	13		6Km/H push power assist
6		The brake display	14		Throttle display
7		Power display	14		ASSIST display
8		headlights	15		Single trip time
9		Environment temperature	15		Total trip time
		Motor temperature	15		Average speed
10		Real riding speed	16		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 5 minutes, 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 Turn on headlights



Hold long to turn on headlights (the controller should have headlight drive output function); hold long again to turn off the headlights.

#### 2.2 Assist ratio gear (ASSIST) switch



Press or to switch 0-5 file gear. Gear 1 is for the minimum power, gear 5 is for the highest power. Each startup will automatically restore the gear shutdown last time (the user can set randomly). Gear 0 is without booster function.

#### 2.3 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.

#### 2.4 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 : 25km/h	C1 : 2
DIM : 26"	C2 : 0
UNT: 0	C3 : 8
P1 : 87	C4 : 0
P2 : 1	C5 : 10
P3 : 1	C6 : 3
P4 : 0	C7 : 0
P5 : 12	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 : 25km/h	C1 : 2
DIM : 26"	C2 : 0
UNT: 0	C3 : 8
P1 : 87	C4 : 0
P2 : 1	C5 : 10
P3 : 1	C6 : 3
P4 : 0	C7 : 0
P5 : 12	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 : 25km/h	C1 : 2
DIM : 26"	C2 : 0
UNT: 0	C3 : 8
P1 : 87	C4 : 0
P2 : 1	C5 : 10
P3 : 1	C6 : 3
P4 : 0	C7 : 0
P5 : 12	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.

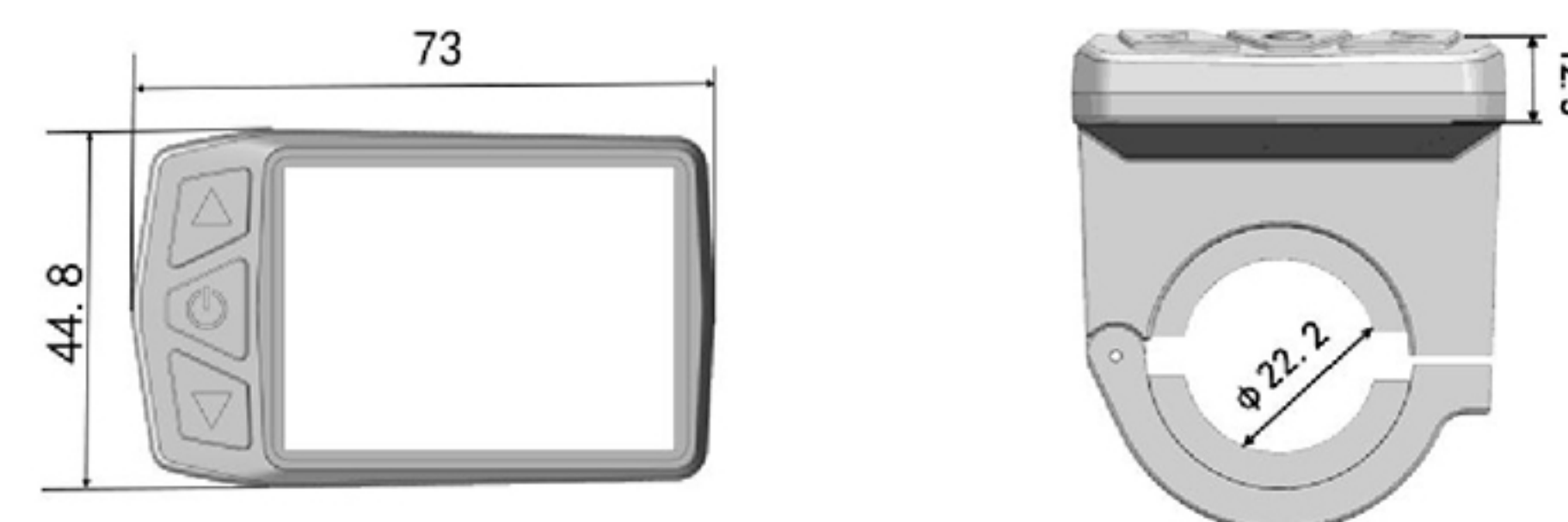
Code	Speed	Mileage	Ambient temperature
UNT:0	Km/h	Km	°C (Temperature)
UNT:1	MPH	Mil	°C (Temperature)
UNT:2	Km/h	Km	°F (Fahrenheit)
UNT:3	MPH	Mil	°F (Fahrenheit)

### 4. Exit from routine project setting

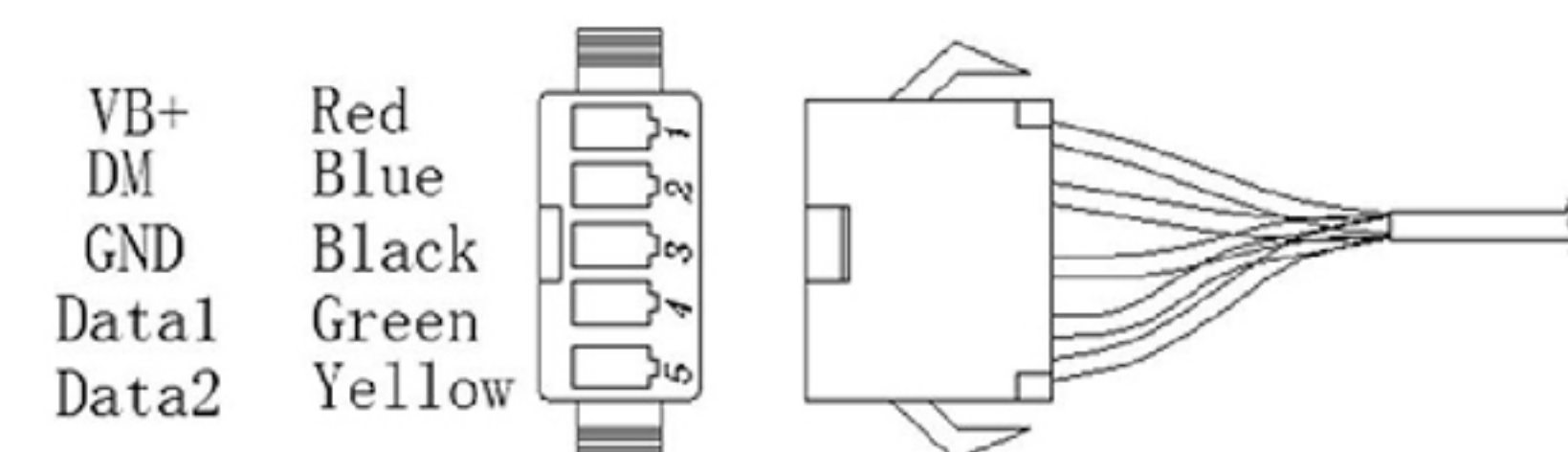
All three routine project settings can exit from the setting environment and return to the display by holding button long after each setting is completed, meanwhile the setting values are saved, under each setting interface, if the button failed holding for more than 1 minute, it will automatically return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



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Address: West Industrial Park, Hutang, Wujin  
Disitrct, 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



**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 hardly,try to brake it slowly.
- 3.Recommended to use wheelchair power attachment at low speeds around 12km/h and avoid driving too fast.