

WP-3 USER MANUAL

FOR ELECTRIC WHEELCHAIR TRAILER



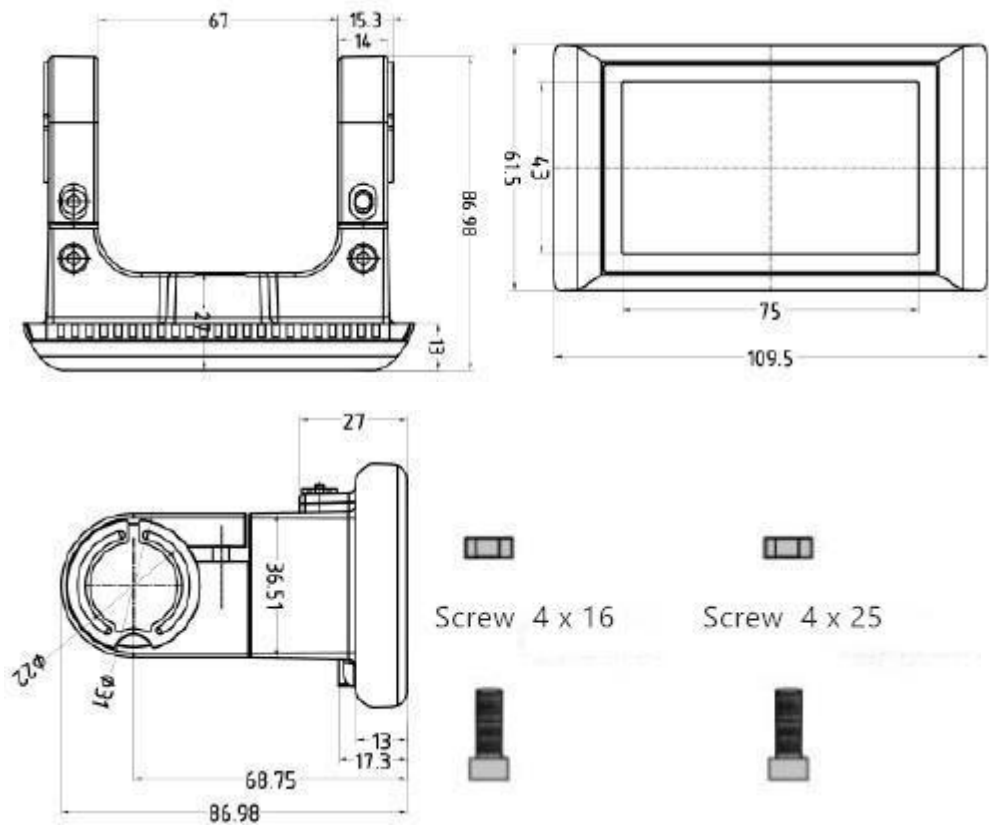
NOTE:

WP-3 display is used for e-bikes,e-scooters ,e-wheelchair trailers .
Please read this manual book carefully before using .
Any question please call service from the Seller .

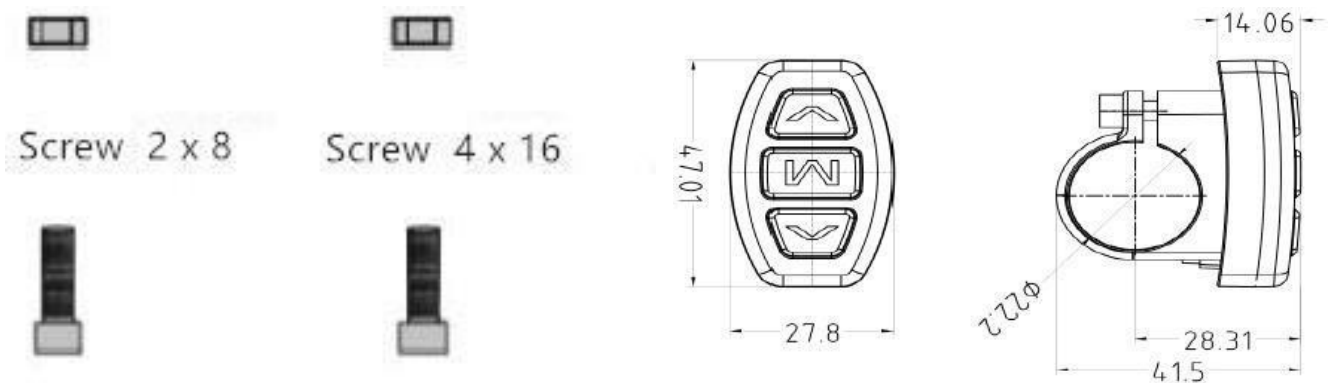
Material : ABS plastic + Acrylic

Color : Black

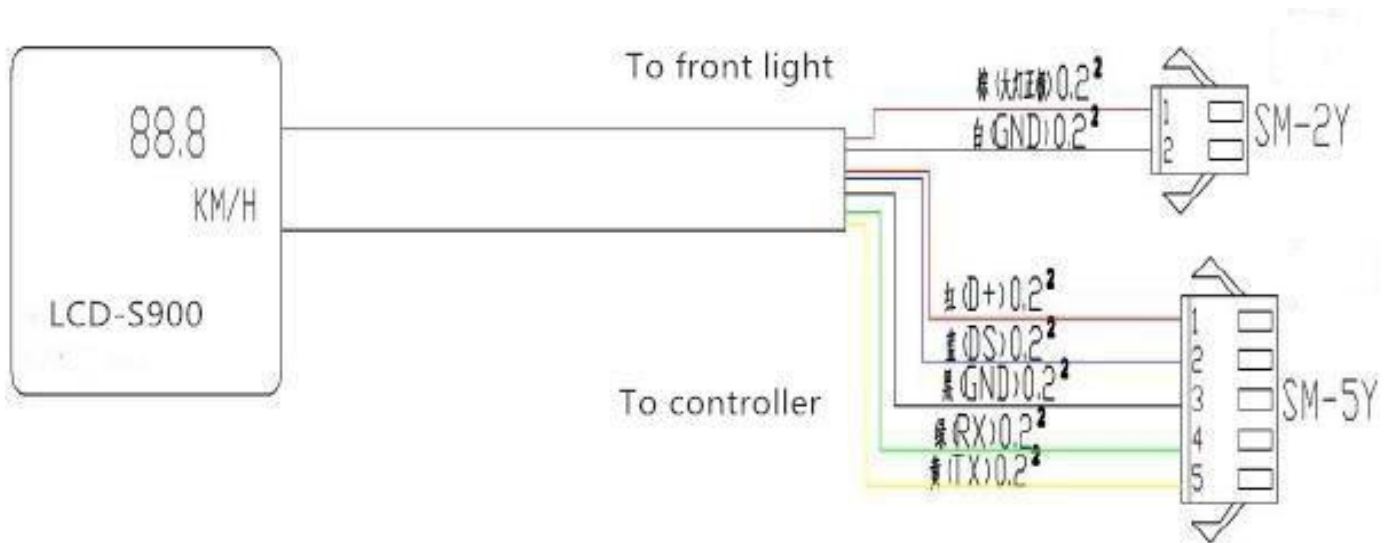
Drawing



Mounting size



Wiring



Red wire : Power+ (VCC)
Black wire : Power - (GND)
Blue wire : Lock (DS)
Green wire: Data received
Yellow wire: Data send
Brown wire : Front light + (DD)
White wire : Front light - (GND)

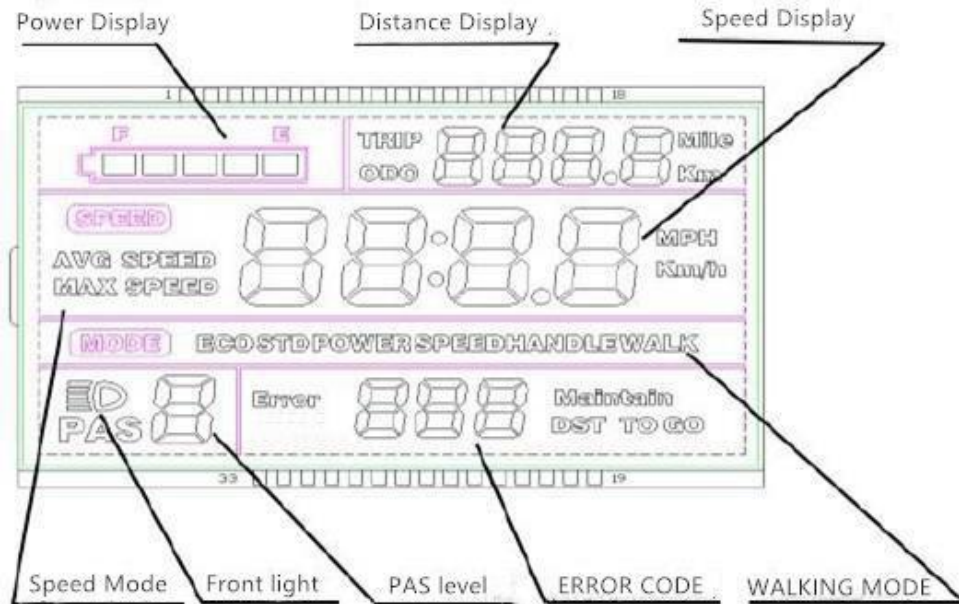
Note: The wires might be different for Customized model .

Installation

Fix the **WP-3** display and the control panel on the handlebar of the electric vehicle, and adjust the appropriate Angle of view. Turn off battery , connect the S900 connector with the controller .Turn on the battery -- turn on the S900 , the S900 will go to self-checking (ERROR CODE 000 is normal) , and the installation is completed.

Note : The **WP-3** is installed and testing before EXW factory . If it's failed to start / working , please contact the Seller for Service .

Functions



Speed display : Current speed / Max speed / Average speed (AVG)

Mile/KM options: Km/h / MPH options .

Battery power display

Front light On/Off

Backlight brightness setting: Level 1 dark , Level 3 bright

Speed level option (PAS) : 0/1/2/3/4/5 options , level 0 is no assist , 1 is ECO , 2/3 is STD , 4/5 is POWER . The original level is 1 .

Running distance : Accumulated distance(ODO) / Trip distance / Riding time

Error code: Error code (See Error code form)

6 km/h Walking mode : Display : WALK (This function is special for bicycle)

Data setting : Go to Setting mode to program
(Speed level, wheel size , speed limited ,Voltage etc)

Operation

1) Turn On / Off



Long press for 3 seconds to turn On S900.

Display like bellow :



Long press for 3 seconds to turn Off S900.

S900 will turn off itself while non- control for 10 minutes (You could set Auto-close minutes in Setting mode)

2) Running Distance Display



Short press to choose display Distance . Trip → ODO (Accumulated distance)



3) PAS level setting

Short press  or  to choose Speed level .

4) Speed mode display

Long press  and  at the same time to display SPEED → MAX SPEED → AVG SPEED → TIME



5) Front light

Long press  for 3 seconds → Turn on;

Long press  again for 3 seconds → Turn off .

6) Walking mode (Special for e-bike)



Long press for 3 seconds, into walking mode (Display WALK). The bike cruise at 4.5-7.5km/h . **Long press again** or short **press again** to quit WALK mode.



WALK MODE

Data Setting



Long press and **at the same time** , into setting mode .

Long press again at the same time to quit the setting mode .

Non- control for 10 seconds , auto-quit setting mode .



SETTING MODE

Short press  or  to set the data . press  to save and shift to next setting.

P01 : Backlight brightness setting: Level 1 dark , Level 3 bright

P02 : Mile/KM options: Km/h / MPH options

P03: Setting the working Voltage , 24V -36V-48V . Set **48V** .

P04 : Auto Sleep mode , data 0-60 minute . 0 means not auto-sleep . The original is 10 minutes .

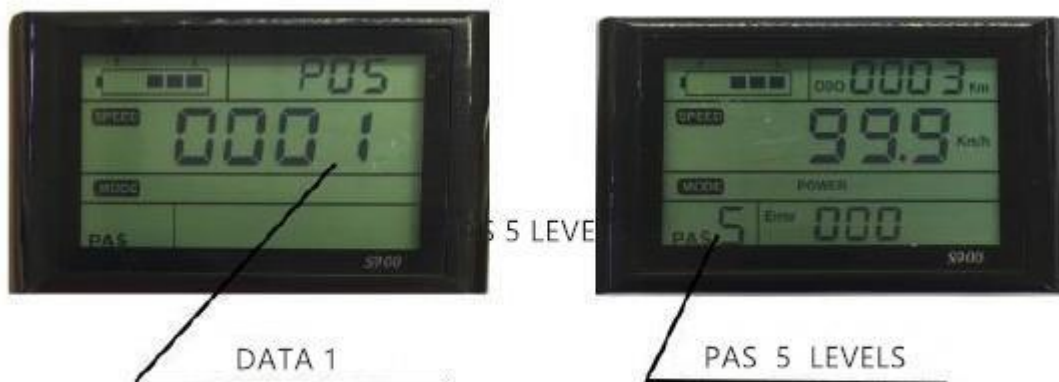
P05 : PAS setting . Data 0 /1/ 2

Data 0 → PAS level 1 / 2 / 3 levels

Data 1 → PAS level 1 / 2 / 3 / 4 / 5 levels

Data 2 → PAS level 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 levels

For example: Data 1 has 5 PAS levels



P06 : Wheel size . Set **12** (inch) for WP-03 trailer . This data will infect the displayed speed .

P07 : Magnet pole quantity . Data 1-100 . This data will infect the displayed speed .

P08 : Limit Speed . Data 0-100 . 100 means max speed 100 km/h.

P09 : Start mode . Data 0 / 1 . 0 means could be start immediately . 1 means need a push speed to start . Set **0** for WP-03 .

P10 : Driving method . Data 0 / 1 / 2 . Set **2** for WP-03 .

Data 0 → Power assist Driving (Need PAS sensor , the throttle won't work)

Data 1 → Electric assist Driving (Throttle control speed , PAS won't work)

Data 2 → PAS and Electric assist

P11 : PAS sensitivity . Data 1-24 . **Not for WP-03** .

P12: PAS strength . Data 0-5 . **No for WP-03** .

P13: PAS sensor model : Data 5 / 8 / 12 . **No for WP-03** .

P14 : Protect Current . Data 1 - 20 A . Set **13 A** for WP-03

P15 : Protect Voltage . Set **42 V** for WP-03

P16 : Reset Accumulated distance(ODO) . **Long press**  for 5 seconds until data goes to 0 .

P17: Distance coefficient . Data 100-200 . 100 means while running 100 m, display distance 1 .

P18: Restore factory setting . **Long press**  for 5 seconds , display S S S S .
Restore .

ERROR CODE FORM

CODE	ERROR	SOLVE
0	Normal	
6	Voltage low	Charge the battery
7	Motor fault	Check the wires if well connected
8	Throttle fault	Check the wires , or replace new one
9	Controller fault	Check the wires , or replace new one
10	Communication reception fault	Check the WP-3 wires
11	Communication transmission fault	Check the WP-3 wires

Attention

1. Long press means no less than 3 seconds .



2. Don't press **MODE** key unless the **WP-3** is turn on .

3. Pay attention to safe driving in use, avoid instrument bump. Try to avoid use in harsh environment, such as heavy rain, heavy snow, sun exposure.

4. Avoid using under voltage as far as possible, so as not to damage the battery of electric vehicle.

5. When the temperature drops below -10°C , the screen darkens as the temperature decreases, and when the temperature rises, it returns to normal.

Frequently asked questions and answers

Q: why can't you turn it on?

Re: Check whether the **WP-3** well connected to the controller . Check whether the battery key is turn on .

Q: what should be done about the failure code displayed on the meter?

Re: Call the Seller for service , or find a e-bike repair shop to fix it .

Video, picture instruction please call us .

02 8740 8963