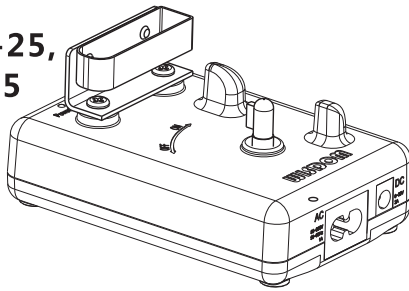


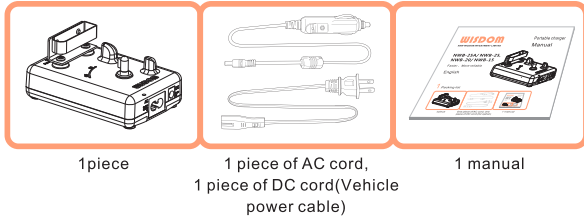
NWB-25A/ NWB-25, NWB-20/ NWB-15

Faster, More reliable

English



1. Packing list

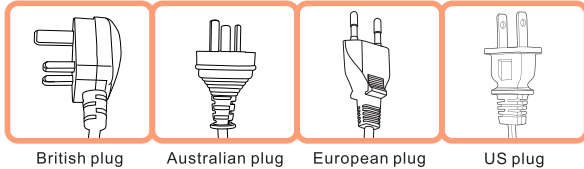


1 piece

1 piece of AC cord,
1 piece of DC cord (Vehicle
power cable)

1 manual

2. Plugs and interface options for the charger

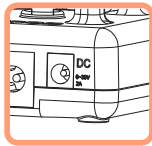


British plug

Australian plug

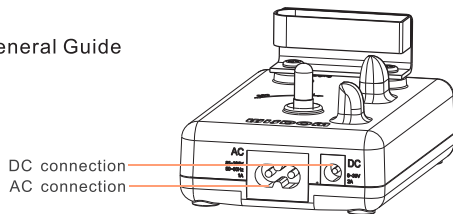
European plug

US plug

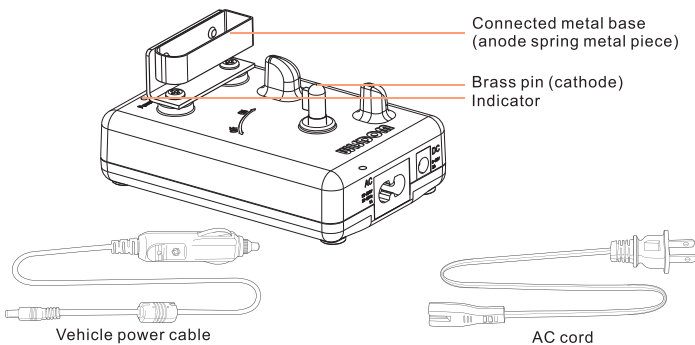


DC interface (with
Car Charging Cable)

3. General Guide

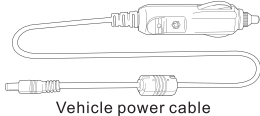


DC connection
AC connection

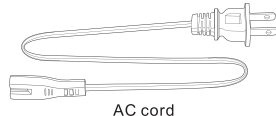


Connected metal base
(anode spring metal piece)

Brass pin (cathode)
Indicator



Vehicle power cable



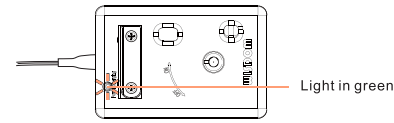
AC cord

4. Indicator instruction

Indicator	NWB-20/ NWB-15	NWB-25A/ NWB-25
Off	Charger is turn off	
Steady green light	Charger status of without load or complete the charging already	The charger is in the status of without load
Steady red light	The charger is in the status of charging	The charger is in the status of charging
Red light flashing between with the green light	N/A	The charger is in the status of charging, completed the capacity of 90% and up
Green light flashing	N/A	The charging is completed
Red light flashing	N/A	Trouble for the charging

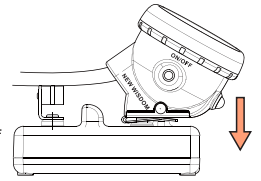
5. Usage guide

(5.1) Connect the AC power cable to the AC outlet of the charger, or connect the outlet of the vehicle power cable to the DC socket of the charger and the other end of the cable to the car cigarette lighter. Then the charger is with power and in working condition, the charger indicator is green.

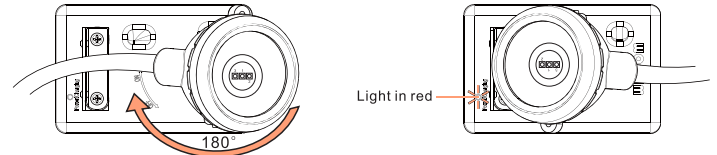


Light in green

(5.2) Put the cap lamp connect with the charger. To position the brass pin (cathode) of the charger to fix with the hole of the cap lamp clip united parts.



(5.3) Turn clockwise the head lamp for 180° degree, making sure the anode touch point of the head lamp closely connect to the connected metal base (anode spring metal piece), and then the indicator becomes red showing the lamp is in charging.



Light in red

(5.4) When the indicator of the charger flashes from green to red, it means the battery is at least 90% charged. The lamp can work for more than 13h continually if stop charging at this moment. (Only for NWB-25A/ NWB-25).

(5.5) When charging the NWB-25A/ NWB-25 charger, the indicator is green light flashing means completed charge the battery. When charging the NWB-20/ NWB-15 charger, the indicator turns green means completed charge the battery.

(5.6) Turn the lamp head for anti-clockwise 180 degree; take it off from the charger, the indicator turn back to green.

6. Troubles and Troubleshooting

Trouble Description	Trouble analysis	Troubleshooting
Charger indicator is not on	Power cable is not well connected to the power supply	Connect with the power supply again
	Charger is damaged	Send back to the manufacturer for repair
Load the cap lamp on the charger, and the indicator is still in green	Bad connection between the cap lamp and the charger.	Clean the connected metal base (anode spring metal piece) and the brass pin (cathode) to make sure that they can be well connected.
Load the cap lamp on the charger, and the indicator flashes in red (NWB-25A/ NWB-25)	Charger is out of function	Send back to the manufacturer for repair
Load the cap lamp on the charger, and the indicator flashes in green (NWB-25A/ NWB-25)	Nothing wrong, and the battery is full of charge	Take off the lamp for usage

7. NOTE

- Strictly follow the voltage scale during usage.
- The high efficiency NWB-20/ NWB-15 Charger is specially designed for the New Wisdom KL5M/ KL8M/ KL5M-C series cap lamp. The new fast intelligent NWB-25A/ NWB-25 Charger is specially designed for the New Wisdom KL5M/ KL8M/ KL12M series cap lamp, hence it'd be better not charge other lamps; otherwise the battery may be damaged.
- Turn off the cap lamp when it is in charge.
- AC and DC power cable cannot be used at the same time.
- Regularly clean the connected metal base (anode spring metal piece) and the brass pin (cathode) to make sure that they can be in good connection.
- Better to turn off the charger when the charging is finished.

8. Safety Warnings

- Prohibited to pour water on the charger and use it in humid environment such as in the bathroom, or it will run into short circuit.
- Prohibited to crash or strike the charger, it may cause the loosening of nut and the damaging of the inside circuit board.

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