

# Quick Guide

Please note that the chapter "Quick Guide" is here to provide you with an initial overview. It does not purport to be complete. For more information, please read the individual chapters of the enclosed user manual (handbook on DVD).

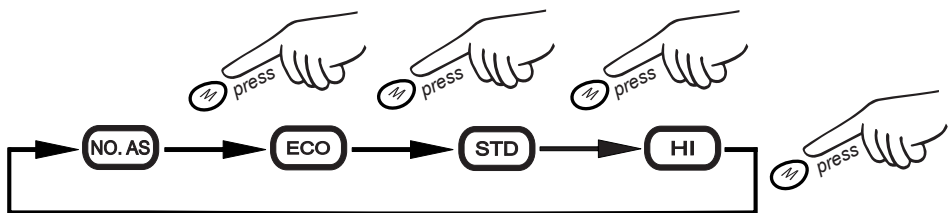
## 1. How do I turn the system on?



Press the "modus" (M) key for about 2 seconds. The system turns on and shows you all of the important information about the current status.

## 2. Support modes?

Support mode			
<b>NO. AS</b>	<b>ECO</b>	<b>STD</b>	<b>HI</b>
Cruising range	∅ 66 km	∅ 48 km	∅ 40 km



## Factors that influence the cruising range

The points stated below can influence the cruising range.

- ▶ Driver characteristics & driver concentration
- ▶ State of maintenance
- ▶ Topography

- ▶ Average speed vs. variation of speed
- ▶ Traffic conditions
- ▶ Type and condition of tires & tire pressure
- ▶ Driver weight
- ▶ Direction of wind & wind speed

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- ▶ Battery temperature while charging (the lower = the better)
  - ▶ Battery operating temperature while not in use (the higher = the better)
  - ▶ Ambient temperature while driving (the higher = the better)
  - ▶ Battery age (the newer = the better) & battery charge cycle
  - ▶ Battery state of charge
  - ▶ Battery storage (cold and dry storage is recommended)

For more information about cruising range, please read the chapter "cruising range".

### 3. What information does the system offer you?

#### Information mode

Information about total kilometers, trip distance, travel time, maximum speed, and average speed is displayed in succession when you push the info "I" button.

### 4. How do I remove the display unit?



**Always close the cover panel after removing the display.  
Always turn off system to avoid data loss**



For more detailed instructions, please read the chapter  
"how do I remove the display"

## 5. How do I charge the battery?

Both battery types shown below can be charged in the installed position and don't need to be disassembled. For more information about "charging the battery" please read the chapter on "charging the battery"

In order to avoid damage, shut off the system before charging.

### Upright standing battery type / rear seat tube

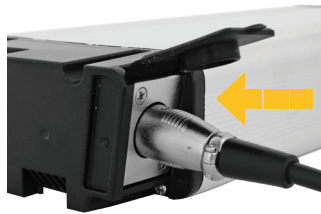


- = battery is not getting charged, please check all connections.
- = battery is getting charged
- = battery is fully charged

1. Open the cover of the charging socket.
2. Connect the battery with the battery charger.
3. Connect the battery to the power supply. Next, turn on the battery charger.

The status indicator should light up "red", if not, check the connection.

### Flat battery type / carrier



- = Battery is charging.
- = Battery is fully charged.
- = Battery isn't charging, please check all connections.
- = Error (re-connect).
- = Error with battery charger (re-connect).
- = Above charging temperature.

1. Open the cover of the charging socket.
2. Connect the battery with the battery charger.
3. Connect the battery to the power supply.

Next, turn on the battery charger.

The status indicator should light up "red", if not, check the connection.



### Battery keys



Your ebike system battery is secured with a lock to avoid theft. Your bike should be equipped with 3 matching keys. Please keep one of these keys in a secure place. In the case that all 3 keys are lost, the entire lock must be replaced.

## 6. How to reset the trip distance

1. Change the display to "trip distance".
2. First press the "mode" button and then the "info" button. Afterwards release the buttons (keys are not allowed to remain pressed down).

*Please note! When resetting the trip distance, the travel time will also automatically be reset.*

In order to reset the maximum speed, change the display to "max speed" and do as stated in the instructions above.

## 7. Error Code 05 / E05

Error report 05 should be interpreted as a "security measure" and protects the system from overloading.

Your system is equipped with a "torque sensor". After pressing the pedal, the sensor measures the force used and sends the measurement to the controller. In order to offer you a balanced and natural ride, the sensor is very finely adjusted. There are several points to keep in mind so that problem-free operation may be ensured.

Turn on the system before placing your foot on the pedal. If you depress the pedal before turning on the system, the controller may interpret this as a system overload and report this as "error 05".

### **Solution:**

Turn off the system and release the pedal. Afterwards turn the system back on (remove your foot from the pedal). If "error 05" still appears, contact your retailer.

### **During driving operation:**

The front brake lever is equipped with a "disruption sensor". When you pull the brake lever, a signal is sent to the controller. The controller subsequently disrupts the current supply to the motor and tells the torque sensor that no measurements are necessary.

In order to avoid an "error 05", you should always make sure to pull the front brake lever, i.e. while waiting at a red light. This way the system always knows that no assistance is necessary at that moment.