Eurosport DHS

E-BIKE

OPERATING INSTRUCTIONS

DECLARATION OF CONFORMITY

Manufacturer

SC EUROSPORTDHS SA
Santuhalm 35A
330004 Deva
Romania

MODEL

Please apply the sticker provided or write down

_____

We hereby confirm that the product listed above conforms to the applicable requirements of the following EU directives:

2014/30/EU Electromagnetic Compatibility

2014/35/EU Low Voltage Directive of Electrical Equipment

2006/42/EU New Machinery Directive

2011/65/EU Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

The conformity of the product with the directives is demonstrated by the full compliance of the harmonized and nonharmonized standards:

EN 15194: 2017

EN ISO 4210-1 la 9:2014/2015

RnD Director
Tavi Hrebenciuc

Date

10.01.2022

DEVA

YOUR EPAC IDENTIFICATION DATA

FRAME no.

Please apply the sticker provided or write down

_____

MOTOR no.

Please apply the sticker provided or write down

_____

BATTERY No.

Please apply the sticker provided or write down

_____

CONTROLLER No.

Please apply the sticker provided or write down

_____

IMPORTANT NOTES

These operating instructions contain function descriptions that apply to different models and equipment versions. Not all described components or functions have been installed on your electric bicycle.

Always read the operation instructions before use. You will become familiar with your electric bicycle and can avoid wrong operation that can lead to damage, injury or accidents. Please follow the safety and danger notes.

Depending on situation, your electric bicycle comes delivered in preassembled condition. Before initial use it is mandatory to set up the electric bicycle by checking the tight fit and adjust certain components and screws.

These operations can be perfomed by yourself if you feel experienced enough. However, if you lack the tools or skills to do this, we recommend having a mechanic or bicycle shop do it for you.

WARRANTY CERTIFICATE

The Warranty covers electric bicycles manufactured by EUROSPORT DHS under its own brands and OEM.

Fill out required details below and keep this document safe.

Manufacturer:	SC EUROSPORT DHS SA
Address:	35A Santuhalm Street, 330004 Deva, Romania
VAT No.:	RO 17012620
EPAC Model:	
Frame No.:	
Article Code:	
Seller:	
Address:	
Phone:	
Buyer:	
Invoice:	Series: Number:
Address:	

I hereby confirm that I received the EPAC in perfect condition and I agree with the Warranty terms and conditions.

Failure to complete or partial completion by the seller of the requested data will void this Warranty Certificate.

Signed by the parties:

Buyer, Seller,

Date: Stamp,

EUROSPORT DHS WARRANTY

The warranty covers electric bicycles manufactured by EUROSPORT DHS under its own brands and OEM (the products).

WARRANTY PERIOD

EUROSPORT DHS warrants that the products, when used for normal riding purposes by a person that properly fits and is capable of riding and controlling the bicycle, are free of defects in workmanship and material:

- For five years for steel and aluminum frames and rigid forks;
- For two years for carbon frames and rigid forks;
- For two years for parts and components that are not subject to manufacturer individual warranty or subject to normal wear and tear from the date of original purchase;
- For two years for batteries starting on the purchasing date.

This warranty only applies to the original owner and is not transferable. Claims under this warranty must be made with proof of purchase before the claim may be processed.

Except as described herein, EUROSPORT DHS makes no other warranties, guaranties, or representations of any type and are hereby disclaimed.

EUROSPORT DHS bicycles use parts and components under manufacturer individual warranty. In such cases the warranty is covered and settled by the manufacturer of the specific part and not the producer of the bicycle. Please refer to the components manufacturer's web page for additional information.

WARRANTY EXCLUSIONS

This warranty does not cover:

- Any product which may fail due to improper assembly outside the factory, installation of components, parts, or accessories not originally intended for or compatible with the bicycle as sold;
- Any product where repairs or maintenance has been performed by untrained person;
- Any product which may fail due to accident, abuse, neglect, weather conditions (rust or color fading due to extended sun or humidity exposure) or noncompliance with manufacturers specifications of usage or any other circumstances in which the product has been subjected to forces or loads beyond its design;
- Any product that has been modified, including, but not limited to any attemptto open or repair any mechanical or electronic and related components, any products where the serial number or production code has been deliberately altered, defaced or removed;
- Any products altered by component parts or substitutions with products from other manufacturer or same manufacturer but different range than originally intended or used for rental or other commercial uses;
- Normal wear and tear. Wear and tear parts are subject to damage as a result of normal use, failure to service according to manufacturer recommendations

and/or riding or installation in conditions or applications other than recommended;

WARRANTY OF PARTS

Wear and tear parts are identified as:

- Suspension fork;
- Steering assembly;
- Handlebar;
- Handlebar grips/ tape;
- Stem;
- Seat post;
- Shifters;
- Shifter cables and casings (inner and outer);
- Shifter grips;
- Derailers;
- Brake levers;
- Brake cables, casings and brake lines (inner and outer);
- Brake pads;
- Disc Brake Rotors;
- Chain;
- Cassette,
- Freewheel and Sprockets;
- Hubs and components;
- Rims;
- Wheels;
- Rim Braking Surface;
- Spokes;
- Bottom Brackets;
- Tires;
- Tubes;
- Rim Tape;
- Chainwheel;
- Saddle;
- Rear Shock and components;
- Kickstand;
- Carrier/ basket and components;
- Mudguards and components;
- Light system and/or reflectors;
- Threaded parts;
- Motor;
- Battery;
- Display (screen or pod);
  Electric system cables and casings (inner and outer);

The battery pack and charger warranty does not include damage from power surges, use of improper charger, improper maintenance, or such other misuse..

GENERAL PROVISIONS

- The user assumes the risk of any personal injuries, damage to or failure of the product and any other losses if EUROSPORT DHS electric bicycles are used in any competitive event, including bicycle racing or similar activities or training for such activities.

- This warranty does not cover any personal injuries, damages to or failure of the product or any other losses due to accident, improper use, neglect, misuse, abuse, wear exceeding normal limits, improper assembly and maintenance or subjected to forces and loads beyond its design.
- EUROSPORTDHS brand products are NOT INTENDED for wheeling, stunt riding, jumping, acrobatics, or similar activities, activities that involve motorized vehicles (such as towing of any kind after a motorized vehicle) or with motors as power driven vehicles, if not specified otherwise by the manufacturer.
- It is the responsibility of the person who completes the assembly of the electric bicycle (mechanic or bicycle shop) to install all parts included with it in the factory sealed shipping carton and to make minor adjustments to functional parts such as brakes, steering assembly, etc. as required for proper operation.

WARRANTY HANDLING

To make a valid claim under this warranty, please return the product to a bicycle shop, preferably the dealer it was purchased from, together with the original, dated invoice or receipt.

If, having inspected the product, EUROSPORT DHS accepts that the electric bicycle is defective, EUROSPORT DHS (in its sole discretion) either repairs or replaces the product without charge.

This warranty covers the labor costs only for replacement of the parts that comply with this limited warranty.

EUROSPORT DHS reserves the right to revise this limited warranty without notice.

Eurosport DHS

Date: 05.2022

REPAIRS UNDER WARRANTY

Ref. no.	Service entry date	Ddescription of defect	Repairs or part replaced	Service exit date	Warranty extension	Service shop	User

INTRODUCTION

EPAC stands for Electrically Pedal Assisted Cycle which means that the rider will be elecrically assisted in pedalling up to a speed of 25km/h. This type of vehicle is considered a bicycle in European Union member states and therefore not subject to licesing or nsurance obligations. You will not require a driver's license for the EPAC (hereinafter ebike) and you may use it on bicycle lanes, paths and any other circumstances where bicycles are allowed.

NOTE: Please verify the requirments of your local law in case your are using this product outside EU for certain other provisions concerning EPAC regulations for safety and use.

INTENDED USE

TREKKING | CITY | CROSS | FOLDING

These ebikes are intended to be used on public roads and paved paths in their design, components and require regular inspection by either the user or a specialist and repairs or adjustments performed if required. They are not designed to be used in offroad or sports competitions of any kind, towing of any sort or any other use beyound their specific design.

MTB

These ebikes are designed to be used on tracks and forest paths, gravel and light off road terrain. However they can be used on public roads also. Due to their designation of use they require frequent inspections either by user or specialist and repairs or adjustments performed if required. They are not designed to be used in heavy offroad, downhill or sports competitions of any kind, towing of any sort or in any other use beyound their specific design.

Depending on the model, motors can be installed either in front (wheel), mid (axle) or rear (wheel) and batteries installed either on carrier, downtube, semi-integrated or completely integrated in downtube.

Display units also can vary from standard LED pods to advanced LCD units or even mobile devices with applications installed.

GENERAL SAFETY NOTES

We recommed using the ebikes starting from the age of 14 years old.

Become familiar with the operation and riding behavior of your ebike away from traffic first. Practice starting, braking and taking narrow turns. Ebikes have diffrent behaviours compared to a normal bicycle due to its acceleration, higher weight and slightly longer braking distance.

Always comply with the national provisions of traffic laws in your area. Every rider must conduct in a manner that will not endanger, harm or impair other riders, pedestrians or vehicles therefore always ride foresightedly and consideratelly.

Ebikes must be legally equipped when riding on public roads according to the legislation in each country and should require a clearly audible bell, functional front light/white reflectors, rear light/red reflectors, spoke yellow/white reflectors or reflecting tyre or rim side reflecting stripes, yellow pedal reflectors.

According to the law you may be oblidged to wear a helmet or reflective wear such as vest on top of your clothes for visibility. In any case we recommend wearing a bicycle helmet when riding in order to avoid head injury. If you wear a backpack it should be provided with reflective stripes so road users can see you better and sooner.

Ride with particular caution in bad weather, wet, snow or ice. Electric equipment such as batteries will be affected by cold weather. Calculate your trip accordingly so you may not run out of battery. If the battery runs out, the ebike can be used as a normal bicycle and the battery is designed to power the light system for one hour after it has been completelly discharged.

Always switch on the lights in bad visibility conditions. You will also see the road ahead and other road users can see you as well.

The ebike has functioning parts. Wrong clothing may interfere with functioning parts and cause crashes, accidents and injuries. Wear trousers that will not interfere with the chain even if the ebike has chaincover and wear a specially designed clip if required. Make sure that your clothes (e.g. coat, scarf, skirt) do not impede pedalling or interfere with spokes or chain.

Always keep both your hands on the handlebar when riding your ebike. Pay extra attention to your environment.

The maximum permitted total weight must not exceed 150kg. This total weight includes the ebike, rider and any other load such as paniers, side bags, child seat incuding child etc. Exceeding this value may cause overload on tires, wheels or other components beyound designated design leading to accidents or injuries.

Any intallation of accesories should be performed by specialist. The accessories must meet the standards for ebike and bicycle use. Tehnical changes must not be performed at all, since will void any warranty. Using parts not compatible with the ebike will lead to accidents, injuries or even death.

Check before every ride the status of your ebike. Do not forget to charge your battery before your trip. Perform regular checks on the tire preassure and the proper operation of light system. Pay attention to any abnormal sounds that your ebike emits or changes in behaviour during use and take it as soon as possible for verification. In this way you can prevent certain dangerous situations due to normal wear and tear of parts (e.g. tires, brake pads, chain, brake hoses, electric cables, battery etc.).

IMPORTANT NOTE!

The product you are using is declared and sold by the manufacturer, as EPAC (Electrically Pedal Assisted Cycle) or ebike, which means the rider will be electrically assisted in pedaling up to 25km/h limit after which the electric assistance shuts down, to becomes active again once the traveling speed drops below 25km/h.

Any modifications (even available in the system's options menu) to increase the speed limit over 25km/h, will push the ebike beyond the original design of parts, accessories and scope. Furthermore the product will enter a different vehicle category that might require a driver's license, protective gear and not be allowed on bicycle lanes.

Any modifications to above mentioned parameter will declare the warranty void, product beyond designated scope and even punished by law. Manufacturer of the product will not be liable for any loss or injury caused to rider or other party.

Service workshops and dealers are encouraged to notify if such cases are noticed.

RECHARGEABLE BATTERY

CARRIER / RACK batteries

Model:	DEVRON ELECTRIC
Voltage:	36V
Capacity:	8.8Ah/11Ah/14.5Ah
BMS:	Standard/Smart
Size Lxlxh (without docking):	368mmX148mmX62mm
Charging cycles:	Cca. 1000@100%
Weight:	<3.2kg

Model:	WALLE-S
Voltage:	36V
Capacity:	16Ah/13Ah/14Ah
BMS:	Standard/Smart
Size Lxlxh (without docking):	375mmX150mmX64.5mm
Charging cycles:	cca 1000 @100%
Weight:	<4.5kg

Model:	TT15
Voltage:	36V
Capacity:	8.8Ah/11.6Ah
BMS:	Standard/Smart
Size Lxlxh (without docking):	320mmX148mmX53mm
Charging cycles:	cca 1000 @100%
Weight::	<3.2kg

Model:	BT C01.340.UART
Voltage:	36V
Capacity:	14Ah
BMS:	Standard/Smart
Size Lxlxh (without docking):	408mmX123mmX70mm
Charging cycles:	cca 1000 @100%
Weight::	3KG

Model:	Shimano BT E-6000
Voltage:	36V
Capacity:	11,6Ah (418Wh)
BMS:	Smart
Size Lxlxh (without docking):	/
Charging cycles:	cca 1000 @100%
Weight:	2,55KG

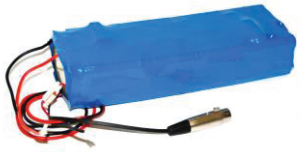
DOWNTUBE batteries

Model:	Shimano BT E-6000 DT
Voltage:	36V
Capacity:	11,6Ah (418Wh)
BMS:	Smart
Size Lxlxh (without docking):	/
Charging cycles:	cca 1000 @100%
Weight:	2,6KG

Model:	SF-06S
Voltage:	36V
Capacity:	11.6Ah/14Ah
BMS:	Standard/Smart
Size Lxlxh (without docking):	296.5mmX85mmX94mm
Charging cycles:	cca 1000 @100%
Weight:	<2.9kg

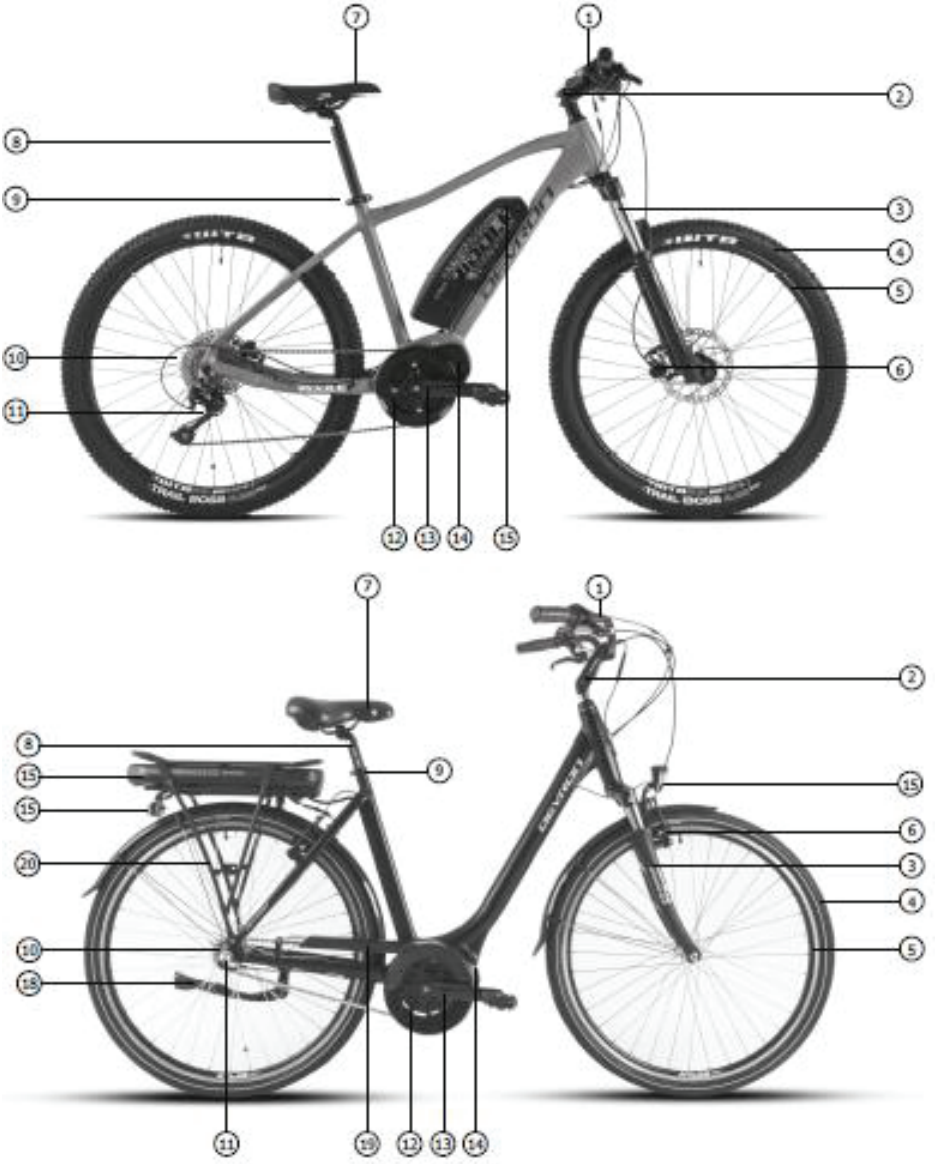
Model:	DT-09
Voltage:	36V
Capacity:	11Ah/14.5Ah
BMS:	Standard/Smart
Size Lxlxh (without docking):	350mmX88mmX105mm
Charging cycles:	cca 1000 @100%
Weight:	<3.3kg

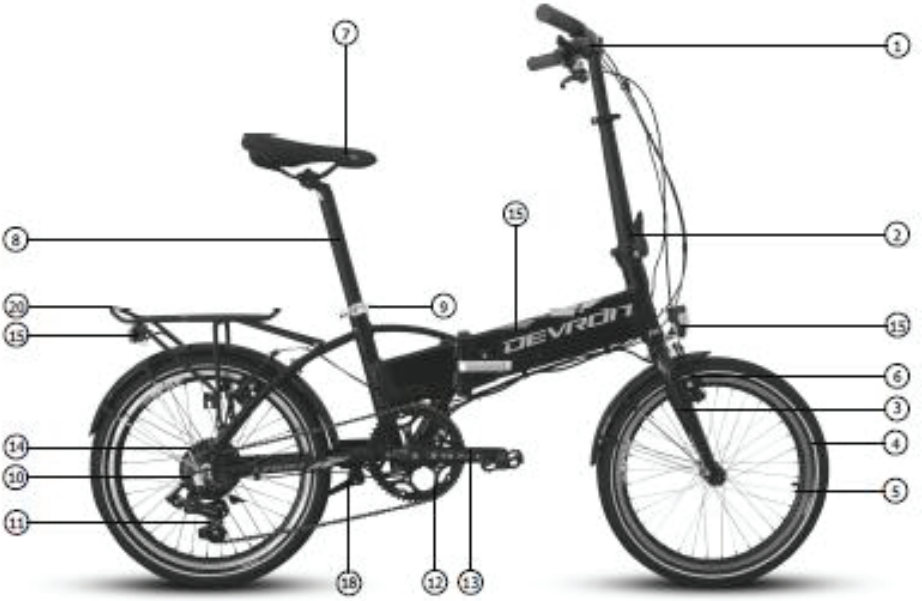
DOWNTUBE Integrated batteries



Model:	DT-09
Voltage:	36V
Capacity:	11Ah/14.5Ah
BMS:	Standard/Smart
Size Lxlxh (without docking):	350mmX88mmX105mm
Charging cycles:	cca 1000 @100%
Weight:	<3.3kg

Ebike Schematics





1. Ebikehandlebar with control display, brake levers, shifters
2. Stem (fixed, adjustable or foldable depending on model)
3. Fork (suspension or fixed depending on model)
4. Tire
5. Wheel
6. Brakes (vbrake or disc hidraulic depending on model)
7. Saddle
8. Seat post
9. Quickrelease for saddle height adjustment (lever or nut)
10. Mutispeed cassette or single sproket depending on model
11. Rear derailleur / Front derailleur / Hub gear
12. Single, double or triple chainwheel (depending on the model)
13. Pedal arm with pedal
14. Ebike motor (front wheel motor, midmotor or rear wheel motor)
15. Ebike recheargeable battery (rack mout, downtube mount or integrated in frame)
16. Light system or reflectors (depending on the model)
17. Frame folding mechanism (depending on the model)
18. Bicycle stand (depending on the model)
19. Chainguard
20. Carrier

COMMISSIONING – FIRST USE

Your ebike is delivered in preinstalled condition for shipping reasons.

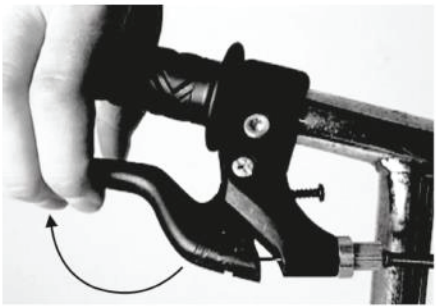
Depending on the model supplied, not all parts and screws will be adjusted or tighten.

If not specified otherwise or your dealer has not made these operations prior purchase, your Ebike requires a few set ups before use as follows:

- All protection poly bags, wraps, light adhesive straps and plastic nut covers (located on both hub nuts) must be removed. Their sole purpose is to protect the ebike during shipment.
- Before the first use please charge the battery with the enclosed charger,
- Regardless of the battery level, so it will have a full charging cycle.
- Check the brakes (incl. tightness) functionality.
- Handlebar and stem require adjustment and screws tightened accordingly since they are rotated for shipping purposes.
- Seat height should be adjusted according to your height and the seat clamp/nut tightened.
- Headlight should be adjusted for use.
- Pedals have to be mounted and tightened.
- Check tire preassure and inflate according to tire indication if required.

BRAKES CHECK

Check brake optimal function by applying force on the brake lever until half stroke (Pic.1). At this stage the brake pads should be firmly pressed against the rim surface (Pic.2).



Pic.1

Pic.2

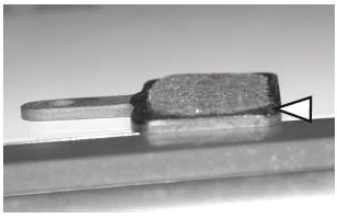
For optimum braking, the brake pads must be aligned and pressed against the rim surface with their entire length (Pic.3).

When the brake lever is released the brake pads should clear away from the rim surface. The clearance between the brake pads and rim should be equal on both sides. The brake pads and rim braking surface should be regularly checked for wear.

To inspect the brake pads for wear, slide back the cable protector and press inwards on both brakes to pull out the "J" guide from the clamp. In this moment the brake coils should push both brakes outward showing the brake pads surface. Brake pads have wear indicators carved on the brake surface. As long as these carvings are visible, the brake pads do not require to be replaced (Pic.4).

Pic.3

Pic.4



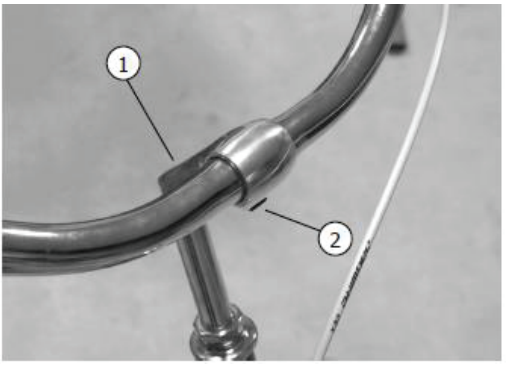
Pic.5

After inspection push both brakes inwards and connect the J guide. Slide the cable protector back.

HANDLEBAR, STEM AND ADJUSTMENTS

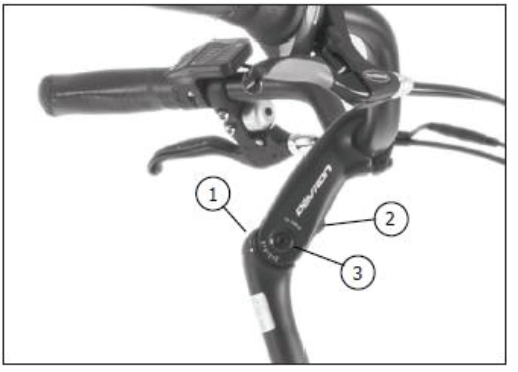
RIGID HANDLEBAR STEM
Loosen the clamp bolt no.1 and set the handlebar stem POSITION and HEIGHT.

Tighten the clamp bolt again. Loosen the clamp spindle screw no.2 and adjust the inclination angle of the handlebar. Tighten the bolt screw again.

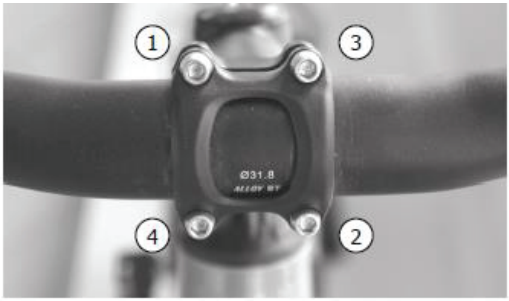


STEM WITH ANGLE ADJUSTMENT
Loosen the bolt no.1 and set the handlebar stem POSITION and HEIGHT. Tighten the bolt again according to the torque specification.

Loosen screw no.2 until blocking plate becomes loose from the grooves. Loosen the lateral clamp screw no.3. Adjust angle of the stem and tighten bolt no.2 until safety plate blocks in the grooves. Then tighten the bolt no.3 again according to the torque specification.

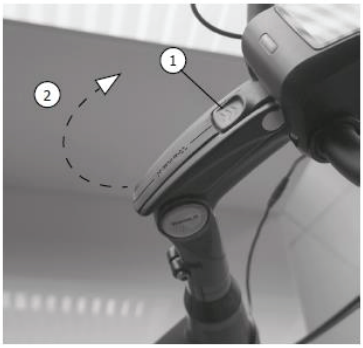


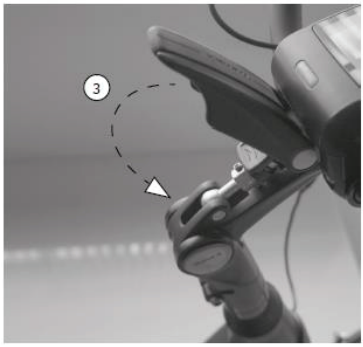
HANDLEBAR INCLINATION
Loosen the 4 bolts and adjust the inclination ANGLE of the HANDLEBAR.
Tighten the bolts in the order shown, 1 to 4.



CLAMP ADJUSTMENT STEM

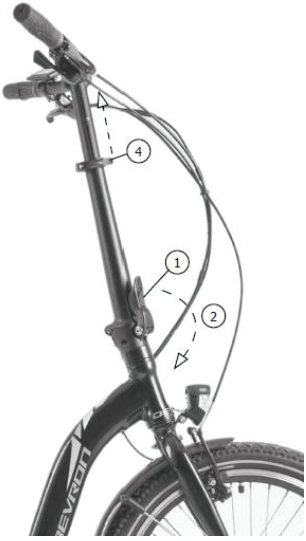
Push the no.1 button up to release the adjustment clamp release the clamp by pulling it up (2) adjust the STEM ANGLE block the stem by pulling the clamp down on lock position (3).





FOLDING STEM

To FOLD the handlebar push the no.1 button up to release the clamp pull down the clamp (2) fold over the handlebar (3) to adjust the HEIGHT of the handlebar release the quick clamp at the stem and set the handlebar to best fit your position (4).

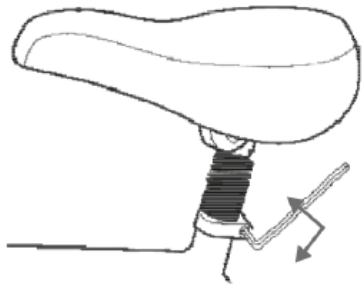


SADDLE AND ADJUSTMENTS

SEAT HEIGHT
The maximum permitted total weight must not exceed 150kg. The person using the bike should be able to keep balance and control the direction of movement and speed by braking/pedaling.

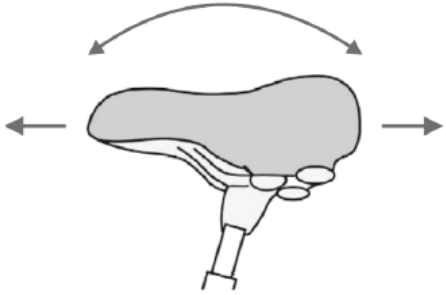
ADJUSTING THE SADDLE
SEAT HEIGHT means the distance between the top surface of the saddle and pedal down position. The seat height is properly adjusted when the knee is bent slightly so that your foot rests on the pedal (low position) (Pic. 1). To modify the saddle height loosen the bolts (Pic.2) or release the lever in case of a quick release with clamp.

Pic. 1

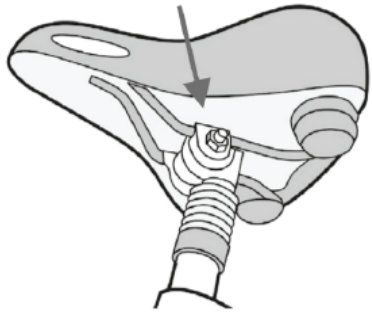


Pic. 2

You also have the option to adjust the saddle tilt and foreaft positions (Pic. 3). To do this, loosen the bolt(s) using a spanner or allen key, located under the saddle (Pic.4). Adjust to required position and tighten the nut.



Pic. 3

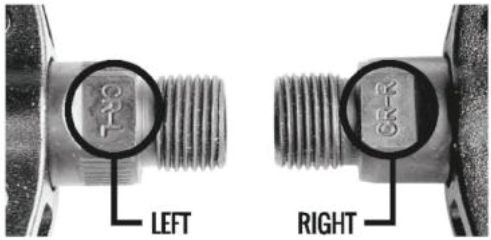


Pic. 4

PEDALS

INSTALLING PEDALS

Identify left and right pedal: there are L" and "R" markings on the axles (threaded part that looks like a screw). Apply a small amount of grease.



Install the LEFT pedal first. Rotate counterclockwise as threading is reversed compared to normal. Tighten hard but without extra force.

Install the RIGHT pedal next. Rotate clockwise. Tighten hard but without extra force.

LIGHTS SYSTEM

The headlight and tail light are powered by the rechargeable battery. Always using your lights will add to your safety since you can also be spottet when stopped. If the electric drive system switches off because the battery is discharged, you will still be able to use the lights for at least 1 hour.

To switch the lights ON and OFF, push the following buttons, depending of your control display:

If your ebike is not equiped with lights, these buttons will turn ON and OFF the control screen backlight.

WHEELS

The maximum permitted total weight must not exceed 150kg. The person using the bike should be able to keep balance on the bike and be able to control the direction of movement and speed by braking / pedaling.

A wheel consists of:

- Hub;
- Sprocket or cassette (on rear wheel hub);
- Brake disk (if fitted);
- Spokes and nipples;
- Rim;
- Tire;
- Tube (not present on Tubeless rims);
- Rim tape insert;

Wheels have several dimensions:
26 inch - rim diameter 559mm+tyre
27,5 inch - rim diameter 584mm+tyre
29 inch - rim diameter 622mm+tyre

RIMS
The rims should not have dirt of any kind. Grease if identified, remove immediately. Make visual checks of rim wear level and if exceeded, replace imediatelly. (Pic.2).

Pic.1

Pic.2

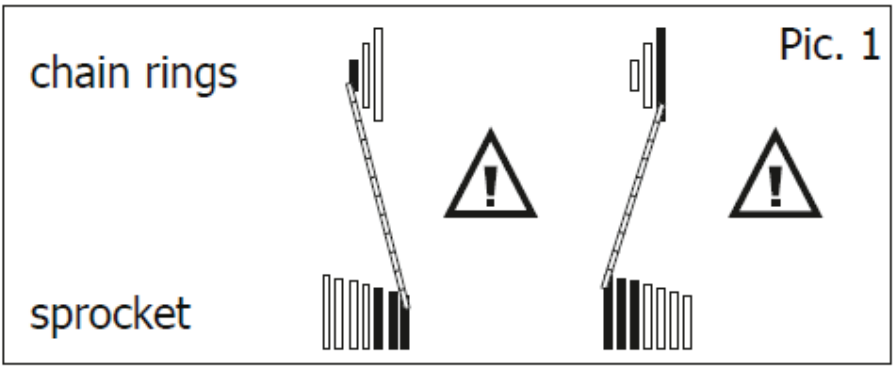
TIRES
The valve must be in radial position (meaning that is oriented towards the hub).
Check air pressure and use a pump to inflate if necessary. The tire pressure intervals can be found on the tire sides.
Please consult a mechanic or bicycle shop on how to interpret these readings.

OPERATING (SHIFTING) GEARS

Shifting gears means moving the chain up and down from sprocket to sprocket or chainring to chainring by operating the shifters.

It is not recommended to use the largest chainring with the largest sprocket or the smallest chainring with the smallest sprocket.

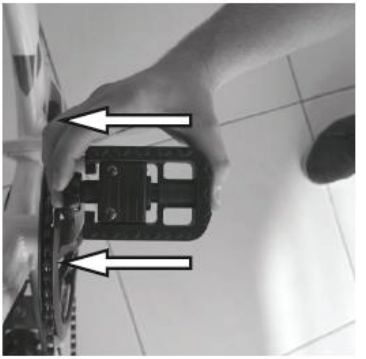
Note! Do not shift the position of the chain from one chainring to another and from one sproget to another in the same time during use as you will risk damaging the chain and transmission parts.

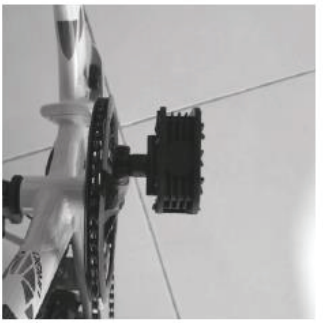


FOLDING E-BIKE

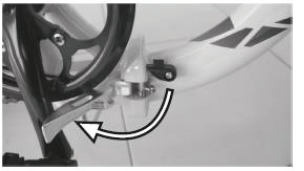
FOLDING OPERATION INSTRUCTIONS

Fold the pedals by pushing the pedal towards the chainwheel.

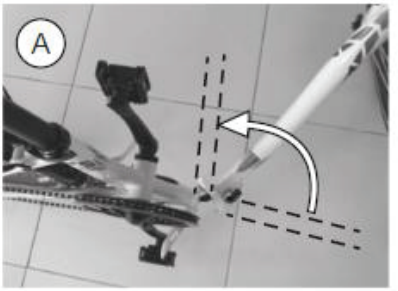


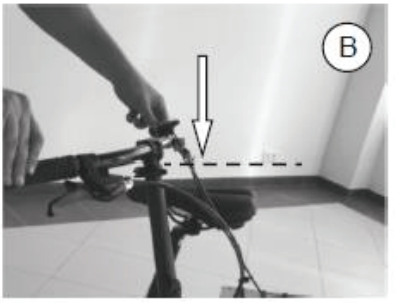


Unlock the safety and pull the quick clamp to open fully.



A. Fold the frame at 90 degrees from original position.
B. Completely lower the handlebar using the Quick Release Lever (QR).
C. Open the quick lever and unlock the blocking pin.
D. Fold the handlebar all the way down and then completely fold the ebike frame.


A


B


C

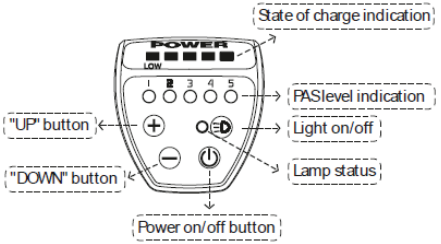

D


D

DP E06 LED CONTROL DISPLAY

The LED control display operates the drive system and is located on the handlebar on the left side, near the grip.

1. Control Unit Function Overview



2. Operations

2.1 Power button ON/OFF

Push Power On/Off button for 2 seconds to switch on/off the LED control unit and electric drive system.

The system will automatically turn off if left idling for more than 5 minutes.

2.2 Pedal assistance (PAS) level selection

Once turned on, the system switches todefault Level 0.

Push "+" or "-" buttons to switch betweendifferent levels of assistance. The LED light on top of each number indicates the level of assistance selected.

If there is no LED light indication, it means you are on default mode or have selected Level 0 and the electric system does not offer any assistance. The ebike behaves similar to a standard bike. You will feel the electric assistance kicking in once selecting again between Levels 1 up to 5.

2.3 Light ON/OFF

With the display switched on, press the button for 2 seconds to turn on/off the headlight and taillight.

2.4 Walk Assist Function

The ebike comes equipped with walk assist function.

This feature propels forward your ebike with a constant speed of 6 km/h without pedaling and requires to hold it balanced when walking along side it. It comes very handy when needing to push it up a steep incline.

Hold the "-" button to activate the walk assist.

This function remains activated as long as you keep hold on the "-" button and deactivates the moment you stop holding it.

2.5 Battery charge level

The LED bar on top will be completely lit if the battery is fully charged and the LED indicators will gradually switch off when the battery charge level starts dropping.

DP E12 LED CONTROL DISPLAY

The LED control display operates the drive system and is located on the handlebar on the left side, near the grip.

1. Control Unit Function Overview

2. Operations

2.1 Power button ON/OFF

Push power on/off button for 2 seconds to switch on/off the LED control unit and electric drive system.

The system will automatically turn off if left idling for more than 5 minutes.

2.2 Pedal assistance (PAS) level selection

Push "+" or "-" buttons to switch between different levels of assistance. The LED light on top of each number indicates the level of assistance selected. If there is no LED light indication, it means you are on default mode or have selected Level 0 and the electric system does not offer anyassistance.

The ebikebehaves similar to astandard bike. You will feel the electric assistance kicking in once selecting again between Levels 1 up to 4.

2.3 Lights Button ON/OFF

With the display switched on, hold the button for 2 seconds to turn on/off the headlight and taillight.

2.4 Walk Assist Function

The ebike comes equipped with walk assist function. This feature propels forward your ebike with a constant speed of 6km/h without pedaling and requires to hold it balanced when walking along side it. It comes very handy when needing to push it up a steep incline.

Hold the button to activate the walk assist.

This function remains activated as long as you keep hold on the button and deactivates the moment you stop holding it.

2.5 Bluetooth connection

The control display unit connects with your Android smartphone via Bluetooth and uses BAFANG GO application to collect data. The display is also equipped with charging port for your mobile device. BAFANG GO is available for download on Google Play.

2.6 Battery charge level

The LED bar on top will be completely lit if the battery is fully charged and the LED indicators will gradually switch off when the battery charge level starts dropping.

CONTROL DISPLAY

KD59E LED CONTROL DISPLAY

The LED control display operates the drive system and is located on the handlebar on the left side, near the grip.

1. Control Unit Function Overview

2. Operations

2.1 Butonul Start/Stop

Power Button ON/OFF

Push button for 2 seconds to switch on/off the LED control unit and electric drive system.

The system will automatically turn off if left idling for more than 5 minutes.

2.2 Pedal assistance (PAS) level selection

Once turned on, the display switches to default Level 1.

Push "+" or "-" buttons to switch between different levels of assistance. The LED light on top of each number indicates the level of assistance selected.

If there is no LED light indication, it means you are on default mode or have selected Level 0 and the electric system does not offer any assistance. The ebike behaves similar to a standard bike. You will feel the electric assistance kicking in once selecting again between Levels 1 up to 5.

2.3 Lights Button ON/OFF

With the display switched on, hold the "+" button for 2 seconds to turn on/off the headlight and taillight.

2.4 Walk Assist Function

The ebike comes equipped with walk assist function. This feature propels forward your ebike with a constant speed of 6km/h without pedaling and requires to hold it balanced when walking along side it. It comes very handy when needing to push it up a steep incline.

Hold the "-" button to activate the walk assist. This function remains activated as long as you keep hold on the "-" button and deactivates the moment you stop holding it.

2.5 Battery charge level

The LED bar on top will be completely lit if the battery is fully charged and the LED indicators will gradually switch off when the battery charge level starts dropping.

DP C10 LCD CONTROL DISPLAY

The control unit operates the LCD display and the drive system and is located on the handlebar in the left side, near the grip. The LCD display unit is located in the middle of the handlebar.

1. Control Unit Function Overview

2. Control Unit Function Overview

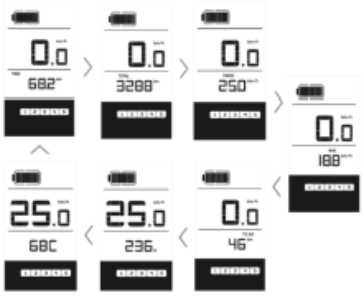
2.1 Power Button ON/OFF

Hold "D" button for 2 seconds to switch on/off the LED control unit and electric drive system.

The system will automatically turn off if left idling for more than 5 minutes.

2.2 Toggle between display modes

Press "E" button to toggle between distance and speed modes. Follow the LCD display indication: singletrip distance (TRIP km), total distance (TOTAL km), maximum speed (MAX speed), range left (RANGE) and energy consumption (C).



2.3 Assist mode

Push "A"or "B" buttons to select the desired assist level for electric system. The lowest is Level 1 and the highest is Level 5. When powered on, the default is Level 1. When there is no numeric power level displayed it means the ebike is in park or it functions as a standard bike with no assist from the motor.

You will feel the electric assistance kicking in once selecting again between Levels 1 up to 5.

2.4 Lights/Backlight Button ON/OFF

With the display switched on, hold the "C" button for 2 seconds to turn on/off the headlight, taillight and the display backlight.

NOTE! If the display is powered on in a darkenvironment the headlight, taillight and display backlight will be turned on automatically. If the display light is turned off manually it will require to be turned on manually afterwards.

2.5 Walk Asist

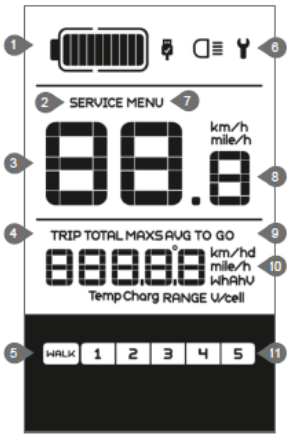
The ebike comes equipped with walk assist function. This feature propels forward your ebike with a constant speed of 6km/h without pedaling and requires nothing but to hold it balanced when walking along side it. It comes very handy when needing to push it up a steep incline.

Hold the "B" button to activate the walk assist.

This function remains activated as long as you hold the button and deactivates the moment you stop holding it.

3. LCD control display

The LED display is located on the middle of the handlebar and represents the system's interface of "communication" with the user.



1 Battery level
2 Maintenace warning
3 Headlight indication
4 Distance mode
5 Asisstance
6 Malfunction indication
7 Menu
8 Speed display
9 Speed model
10 Distance indication
11 Level indication

3.1 Display messages

1. Battery status indicator: when the battery is completely charged all the LED segments as well as the segments border are lit up, segments gradually going off as the battery depletes during use. If all the 10 segments are off and the border is intermittent, the battery needs to be charged immediately.

Display	**Battery Level**
10 segments	90% to FULL capacity
9 segments	80% to 90% capacity
8 segments	70% to 80% capacity
7 segments	60% to 70% capacity
6 segments	50% to 60% capacity
5 segments	45% to 50% capacity
4 segments	35% to 45% capacity
3 segments	25% to 35% capacity
2 segments	15% to 25% capacity
1 segments	5% to 15% capacity
Intermittent border	under 5% capacity

2. Maintenance Warning information is displayed based on the battery charge cycles and riding distance. The system automatically estimates the battery life and gives warnings when the number of charge cycles has exceeded the battery life. A warning light will also come on when the total riding distance exceeds the motor life cycles.

3. Headlight Indication only appears when the lights/backlight are on.

4. Distance Mode shows the maximum speed MAX, average speed AVG, singletrip distance TRIP, total distance TOTAL, remaining range TO GO, power W, consumed energy C.

5. Walk Assist if user selected, the {xxx} icon will be displayed.

6. Malfunctions Indicator will come on when an error is detected. Visit your dealer or a service workshop in your vicinity.

7. Menu Display

8. Speed Display – shows the current traveling speed in km/h or mph depending on user selection.

9. Indicates Km/h or Mph.

10. Range – displays the range depending on the settings.

11. Assistance Level displays the level of assist from 1 to 5 selected by user. If no numeric icon is displayed, means the ebike is either on park, idle or user selected Level 0 with no assistance from the motor and the ebike behaves as a standard bike. You will feel the electric assistance kicking in once selecting again between Levels 1 up to 5.

The LCD display unit can charge your mobile device. With the display turned off, connect to the USB port and then turn on the LCD unit to commence charging. If the display is already on, connect to the USB port to commence charging. Maximum charge voltage is 0.5A.

ERROR Code Definitions most common FAULT codes are listed below to draw your attention to issues needing to be addressed by a specialized shop and no attempts to fix shall be done except by a trained technician.

ERROR Code Definitions

Error Code	Error Definition	Repair Solution
"07"	Power Surge	Check battery voltage
"08"	Motor Signal Cable Fault	Check the motor module
"09"	Motor Phase Cable Fault	Check the motor module
"11"	Controller Temperature Sensor Fault	Check the controller
"12"	Curent Sensor Failure	Check the controller
"13"	Battery Temperature Fault	Check the battery
"14"	Motor Temperature Fault	Check the motor
"21"	Speed Sensor Fault	Check position of speed sensor
"22"	BMS Communication Fault	Replace the battery
"30"	Communication Fault	Check the controller connection

NOTE! Various parameters of the LCD display can be set with a computer via a communication cable. Certain features listed above may not have been set on your ebike depending onthe model or optional features.

CONTROL DISPLAY

DP C07 LCD CONTROL DISPLAY

The control unit operates the LCD display and the drive system and is located on the handlebar in the left side, near the grip. The LCD display unit is located in the middle of the handlebar.

1. Control Unit Function Overview

A. Increase Assist level.
B. Decrease Assist level.
C. Lights On/Off.
D. System's power ON/OFF.
E. Other functions.

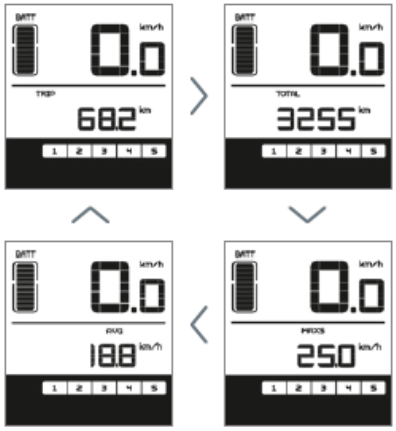
1.1 Power Button ON/OFF

Hold "D" button for 2 seconds to switch on/off the LED control unit and electric drive system.

The system will automatically turn off if left idling for more than 5 minutes.

1.2 Toggle between display modes

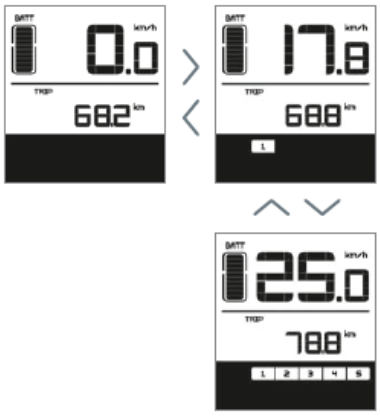
Press "E" button to toggle between distance and speed modes. Follow the LCD display indication: singletrip distance (TRIP km), total distance (TOTAL km), maximum speed (MAX speed), range left (RANGE) and energy consumption (C).



1.3 Assist mode

Push "A"or "B" buttons to select the desired assist level for electric system. The lowest is Level 1 and the highest is Level 5. When powered on, the default is Level 1. When there is no numeric power level displayed it means the ebike is in park or it functions as a standard bike with no assist from the motor.

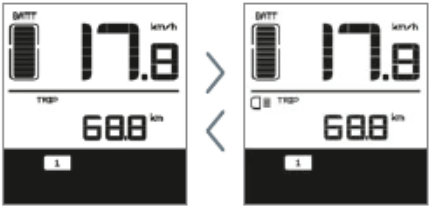
You will feel the electric assistance kicking in once selecting again between Levels 1 up to 5.



1.4 Lights/Backlight Button ON/OFF

With the display switched on, hold the "C" button for 2 seconds to turn on/off the headlight, taillight and the display backlight.

NOTE! If the display is powered on in a darkenvironment the headlight, taillight and display backlight will be turned on automatically. If the display light is turned off manually it will require to be turned on manually afterwards.

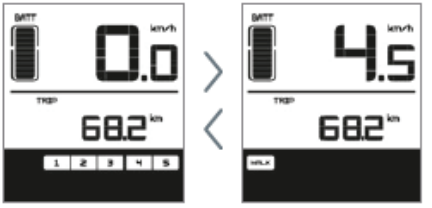


1.5 Walk Asist

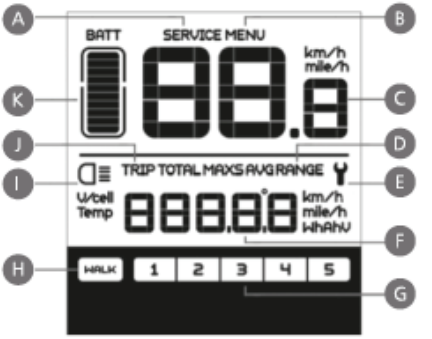
The ebike comes equipped with walk assist function. This feature propels forward your ebike with a constant speed of 6km/h without pedaling and requires nothing but to hold it balanced when walking along side it. It comes very handy when needing to push it up a steep incline.

Hold the "B" button to activate the walk assist.

This function remains activated as long as you hold the button and deactivates the moment you stop holding it.



2. LCD control display



The LED display is located on the middle of the handlebar and represents the system's interface of "communication" with the user.

A. Maintenance Warning symbol is displayed based on the battery charge cycles and riding distance. The system automatically estimates the battery life and gives warnings when the number of charge cycles has exceeded the battery life. A warning light will also come on when the total riding distance exceeds the motor life cycles.

B. Menu

C. Displays the current traveling speed in km/h or mph depending on user selection.

D. Displays average speed AVG and maximum speed MAXS.

E. Error display will come on when an error is detected. Visit your dealer or a service workshop in your vicinity.

F. Distance indication: display of the distance depending on the setting.

G. Assistance Level displays the level of assist from 1 to 5 selected by user. If no numeric icon is displayed, means the ebike is either on park, idle or user selected Level 0 with no assistance from the motor and the ebike behaves as a standard bike.

You will feel the electric assistance kicking in once selecting again between Levels 1 up to 5.

H. Walk Assist [WALK] symbol displayed when walk assist function is activated.

I. Headlight/taillight/backlight symbol displayed when lights are on.

J. Displays single trip distance TRIP and total distance TOTAL.

K. Battery charge level indicator. When the battery is completely charged all the LED segments as well as the segments border are lit up, segments gradually going off as the battery depletes during use.

If all the 10 segments are off and the border is intermittent, the battery needs to be chargedimmediately.

Display	Battery Level
10 segments	90% to FULL capacity
9 segments	80% to 90% capacity
8 segments	70% to 80% capacity
7 segments	60% to 70% capacity
6 segments	50% to 60% capacity
5 segments	45% to 50% capacity
4 segments	35% to 45% capacity
3 segments	25% to 35% capacity
2 segments	15% to 25% capacity
1 segments	5% to 15% capacity
Intermittent border	under 5% capacity

ERROR Code Definitions

Error Code	Error Definition	Repair Solution
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"11"	Controller Temperature Sensor Fault	Check the controller
"12"	Curent Sensor Failure	Check the controller
"13"	Battery Temperature Fault	Check the battery
"14"	Motor Temperature Fault	Check the motor
"21"	Speed Sensor Fault	Check position of speed sensor
"22"	BMS Communication Fault	Replace the battery
"30"	Communication Fault	Check the controller connection

NOTE! Various parameters of the LCD display can be set with a computer via a communication cable. Certain features listed above may not have been set on your ebike depending onthe model or optional features.

KD21C LCD CONTROL DISPLAY

The control unit is integrated with the LCD display and operates the drive system. It is located on the handlebar in the left side near the grip.

1. Control Unit Function Overview

1.1 Power Button ON/ OFF

Hold the "M" button for 2 seconds to switch on/off the LED control unit and electric drive system.
The system will automatically turn off if left idling for more than 10 minutes.

1.2 Assist mode

Hold "+" or "-" buttons to select the desired assist level for electric system. The lowest is Level 1 and the highest is Level 5. When powered on, the default is Level 1. When there is no numeric power level displayed it means the ebike is in park or it functions as a standard bike with no assist from the motor. You will feel the electric assistance kicking in once selecting again between Levels 1 up to 5.

1.3 Lights/Backlit Button ON/OFF

With the display switched on, hold the "+" button for 2 seconds to turn on/off the headlight, taillight and the display backlight.

1.4 Walk Asist

The ebike comes equipped with walk assist function. This feature propels forward your ebike with a constant speed of 6km/h without pedaling and requires nothing but to hold it balanced when walking along side it. It comes very handy when needing to push it up a steep incline.

Hold the "-" button to activate the walk assist.

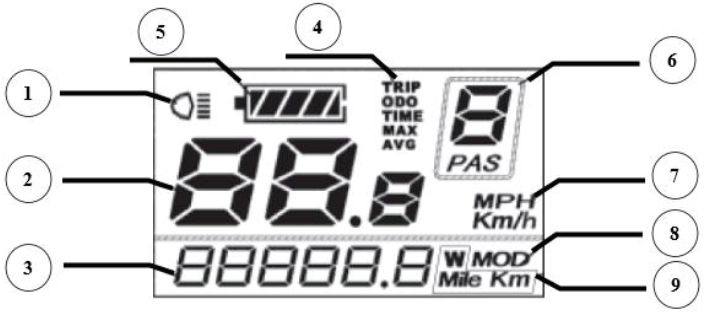
This function remains activated as long as you hold the button and deactivates the moment you stop holding it.

NOTE! Push Assist function should only be used when the wheels are in contact with the ground.

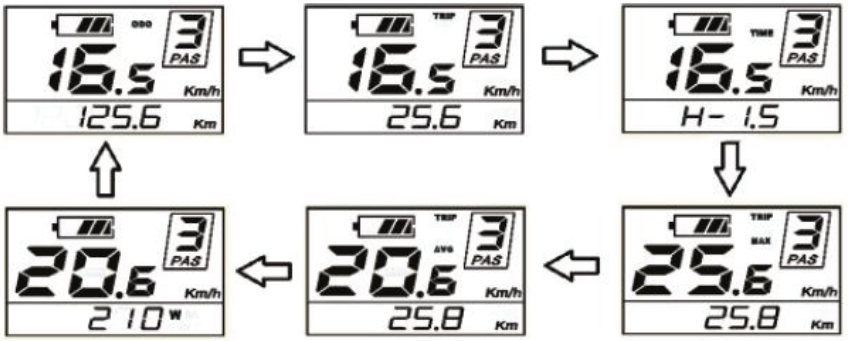
Danger of injury may occur if push assist function is activated since the wheel (front or rear depending on the motor location) will start spinning.

CONTROL DISPLAY

LCD Control Display Information



1. Lights ON/OFF status.
2. Current speed.
3. Text Indication displays various codes including ERROR code. When ERR21 is displayed contact a Service Shop or your dealer immediately.
4. Function List. When powered on, the system displays Running Speed, Total Distance, Battery Charge Level and Assist Level. To toggle between various information, press button to view: Instant Speed (km/h) > Trip Distance (km) >Trip Duration (Hours) > Maximum Speed reached (km/h) > Average Traveling Speed (km/h) > Motor Power Output (W) >Instant Speed (km/h).
5. Battery charge level status indicator when the battery is completely charged all the LED segments as well as the segments border are lit up, segments gradually going off as the battery depletes during use. If all the 10 segments are off and the border is intermittent, the battery needs to be charged immediately.
6. Assist Level indicator – displays the level of power assist in numerical indication from Level 0 to Level 5 depending on user's selection.
7. Speed Units – shows Km/h or Mph depending on user selection. The system comes preset with km/h from the factory.
8. Settings indicator
9. Displays Range and power.



General Settings Menu

After the system is switched on, hold both "+" and "-" buttons for 2 seconds to access general settings menu.

TRIP DISTANCE reset TC icon is displayed. Toggle between Y or N by pressing "+" and "-" buttons. Default value is N.

Press MODE (M) button to store settings and switch to contrast settings.

.

BACKLIGHT CONTRAST setting –

bL icon is displayed. Choose between Levels 1, 2 and 3 where 3 is maximum contrast. The default value is 1. Press "+" or "-" to toggle between various contrast levels.

Press MODE(M) button to store settings and switch to km/mile conversion settings.

KM/MILE display conversion settings –

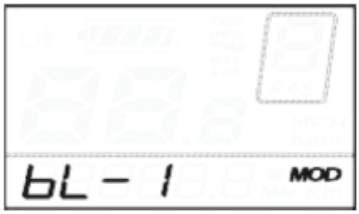
U icon is displayed. 1 stands for miles and 2 stands for kilometer. The default value is 2.

Press +/- buttons to select desired mode. To store changes press MODE button to store settings. The system will take you back to trip distance reset.

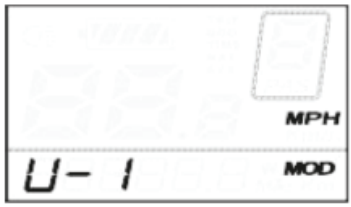
To exit general settings menu hold MODE (M) button for 2 seconds..

Trip Distance Clearance Settings Interface

Backlight Brightness Settings Interface



Mile and Kilometer Conversion Settings Interface



CONTROL DISPLAY

SHIMANO STEPS SCE 6010 AND SCE 6000 UNITS

Features

- High shifting performance system (In the case of electronic gear shifting) This system uses accurate sensors to enable shifting gears by providing the most appropriate level of power assistance carefully adjusted by computer controls.
- Full Automatic Shifting (In the case of electronic 8-speed gear shifting). The sensors detect riding conditions, whether you are riding up a hill against the wind, or on flat ground with no wind; the automatic gear shifting system uses computer controls to make your ride more pleasant.
- Start mode (In the case of electronic gear shifting. This function allows automatic shifting down to a preset gear when you stop the bicycle such as at traffic lights so that you can start traveling at a light gear.
- If, while the bicycle is stopped, you shift to a gear lower than the set gear, the system will not automatically shift up.
- Light off road Sporty, provides powerful assistance. Can only be used when set by the manufacturer of the completed bicycle.
- Walk assistance function (Walk assist mode)
- The Walk assist mode function may not be able to be used in certain regions.
- Some of the functions listed above can only be used once the firmware has been updated. If this is the case, consult the place of purchase, and carry out the firmware updates

Riding the bicycle

- Turn on the power.
- Do not place your foot on the pedals when turning the power on. A system error may result.
- Power cannot be turned on while charging.
- Select your preferred assist mode.
- Assistance will start when the pedals start turning. Change the assist mode in accordance with the riding conditions.
- Turn the power off when parking the bicycle.
  Do not place your foot on the pedals when turning the power off. A system error may result.

Assist mode

You can select a SHIMANO STEPS assist mode for each particular application.

CONTROL DISPLAY

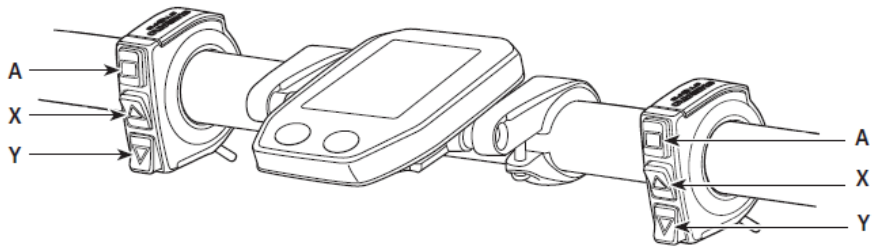
HIGH	NORMAL	ECO
Use when powerful assistance is required, such as when riding up steep uphill slopes..	Use when an intermediate level of assistance is needed, such as when you want to enjoy riding comfortably on agentle slope or level ground.	Use when you want to enjoy long distance riding on level ground. When pedaling is not very strong, the amount of assistance is reduced and energy consumption is lessened.

When the battery level is running low, the level of assistance is lowered to increase the traveling range.

OFF Mode. This mode does not provide power assistance when the power is turned on. Since there is no power consumption associated with the power assistance, it is useful for reducing battery consumption when the battery is running low.

WALK Assist. This mode is particularly useful when you walk the bicycle with heavy baggage on it or walk it out of a basement.
The Walk assist mode function may not be able to be used in certain regions Comutarea între operațiile ciclocomputerului și moduri

< SW-E6000 >



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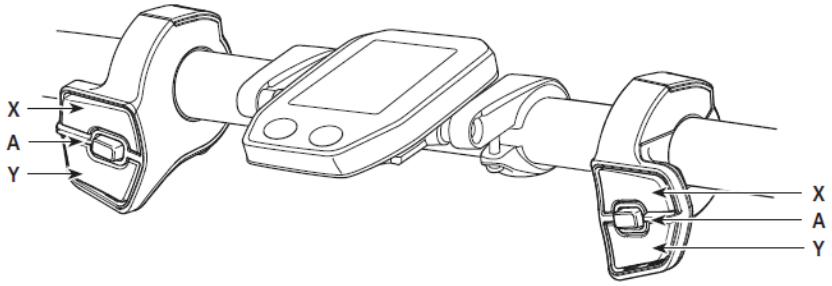
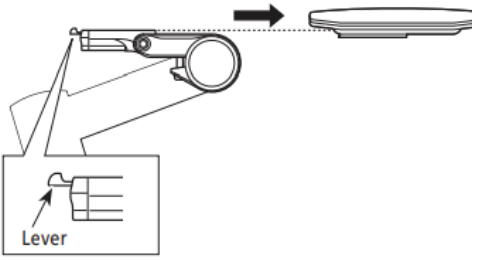


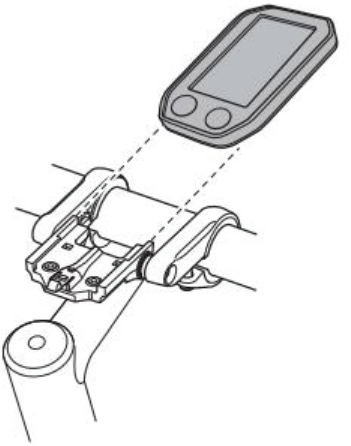
CONTROL DISPLAY

A	Changing the cycle computer display Switching between automatic and manual gear shifting
X	When switching assist modes: the level of assistance becomes stronger When shifting gears: pedaling becomes heavier
Y	When switching assist modes: the level of assistance becomes weaker When shifting gears: pedaling becomes lighter

The operation procedure provided here refers to cases where the cycle computer is set to the default values.

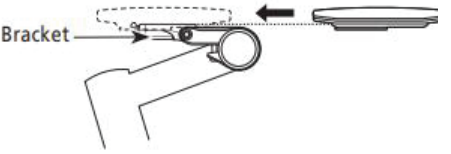
Installing and removing the cycle computer





Slide the cycle computer onto the bracket as shown in the illustration to install it.
Insert the cycle computer securely until it clicks into place.

To remove the cycle computer, push the lever of the bracket firmly while sliding out the cycle computer.



If the cycle computer is not correctly in place, the assist function will not operate normally.

Turning the power ON / OFF

Automatic power off function
If the bicycle has not moved for over 10 minutes, the power will automatically turn off.

Turning the power ON and OFF via the cycle computer
Hold down the power button on the cycle computer for 2 seconds.
If built-in battery of cycle computer isn't charged sufficiently, the power will not turn on.
The built-in battery of the cycle computer is charged only when the cycle computer screen is on

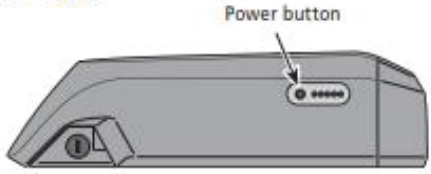
CONTROL DISPLAY

< BT-E6000/BT-E6001/BT-E6010/BT-E8010/BT-E8020 >

Turning the power ON and OFF via the battery

<BT-E6000/BT-E6001>

<BT-E6010>



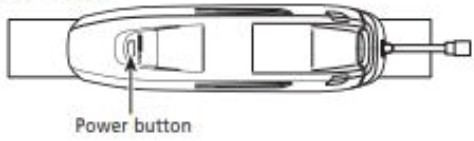
Press the power button on the battery. The LED lamps will light up indicating remaining battery capacity.

CAUTION

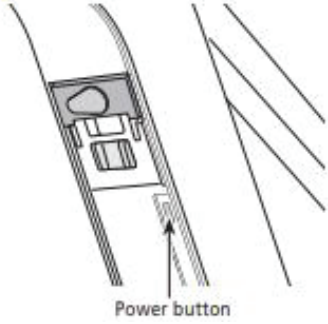
- When turning on the power, check that the battery is firmly attached to the holder.
- Power cannot be turned on while charging.
- Do not place your foot on the pedals when turning on. A system error may result.

BT-E8010/BT-E8020 can be forced to power off by holding down the power button for 6 seconds.

<BT-E8010>



<BT-E8020>



This screen is an example of the SC-E6010 in the Light off road setting.

SHIMANO STEPS logo screen

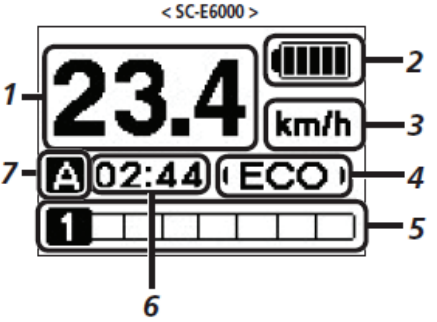
This screen is displayed during system start up and shutdown.

Basic screen display

Displays the status of the power assisted bicycle, traveling data.

The number of gears and the shifting mode are only displayed when using electronic gear shifting.

1. Current speed
Displays the current speed.
2. Battery level indicator
Displays the current battery level.
3. Speed unit display
You can switch between km/h and mph.
4. Changing the assist mode display
Display the current assist mode.
5. Gear position and traveling data display
Displays the current gear position or traveling data. Operate the assist switch to change the display for SC-E6000 from the gear position display to the traveling data display.
6. Current time
Shows the current time.
7. Gear shifting mode
The current gear shifting mode is displayed as following:
SC-E6000: [A] (Auto)/[M] (Manual)
SC-E6010: [Auto]/[Manual]



CONTROL DISPLAY

8. Icon to indicate when the light is on
Notifies you when the battery-powered light is on.
9. Assist gauge
Displays assistance level.

< SC-E6010 >

Battery level indicator

You can check the battery level on the cycle computer while riding.

< SC-E6000 >

Display	Battery level
	81 - 100%
	61 - 80%
	41 - 60%
	21 - 40%
	1 - 20%
	0%

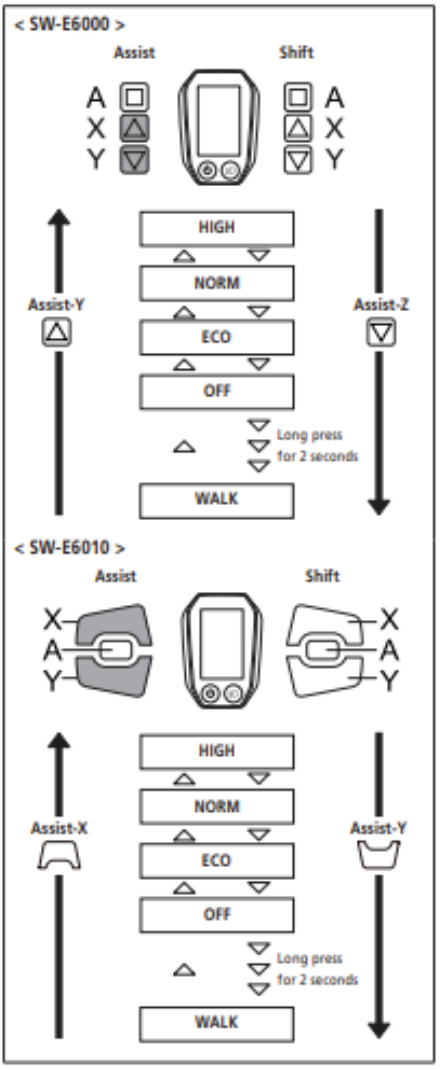
< SC-E6010 >

Display	Battery level
	100%
	0%

Changing the assist mode display

Display the current assist mode.

If using SW-E6000, press Assist-Y or Assist-Z on the assist switch to switch assist modes.



If using SW-E6010, press Assist-X or Assist-Y.

Display / Details
HIGH Assist high
NORM Assist normal
ECO Assist eco
OFF Assist off
WALK Walk assist

< Switch to walk assist mode >

* The Walk assist mode function may not be able to be used in certain regions.

1. Press Assist-Y to switch the mode to [OFF].
2. Press Assist-Y once again 2 seconds until [WALK] is displayed.
3. Press and hold Assist-Y to start walk assist.

When [WALK] is displayed, press and hold down Assist-Y on the assist switch to start the walk assist function.
Releasing Assist-Y stops the walk assist function, or pressing Assist-X can stop the walk assist function.

•Assist-Y is not operated for over 1 minute, the mode will change to [OFF].

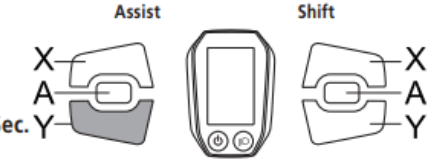
• If the bicycle does not move after the walk assist function turns on, the function automatically stops. To restart the walk assist function, release the assist switch and press and hold down Assist-Y again.

• The walk assist function can operate at a maximum of 6 km/h.

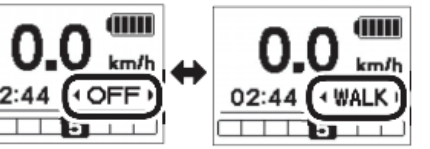
• The assistance level and speed vary with the gear position

< SW-E6000 >

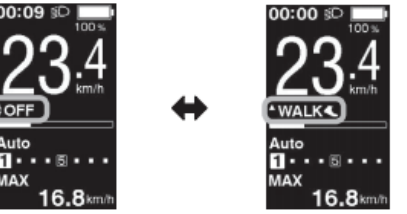
< SW-E6010 >



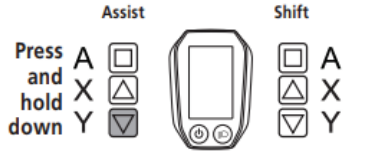
< SC-E6000 >



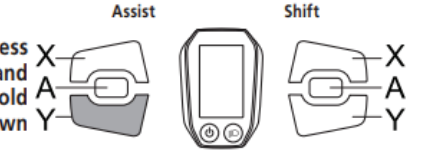
< SC-E6010 >



< SW-E6000 >



< SW-E6010 >



CONTROL DISPLAY

Gear position and traveling data display

Displays the current gear ratio or traveling data. The type of traveling data displayed changes each time you tap Assist-A.

< SW-E6000 >

< SW-E6010 >

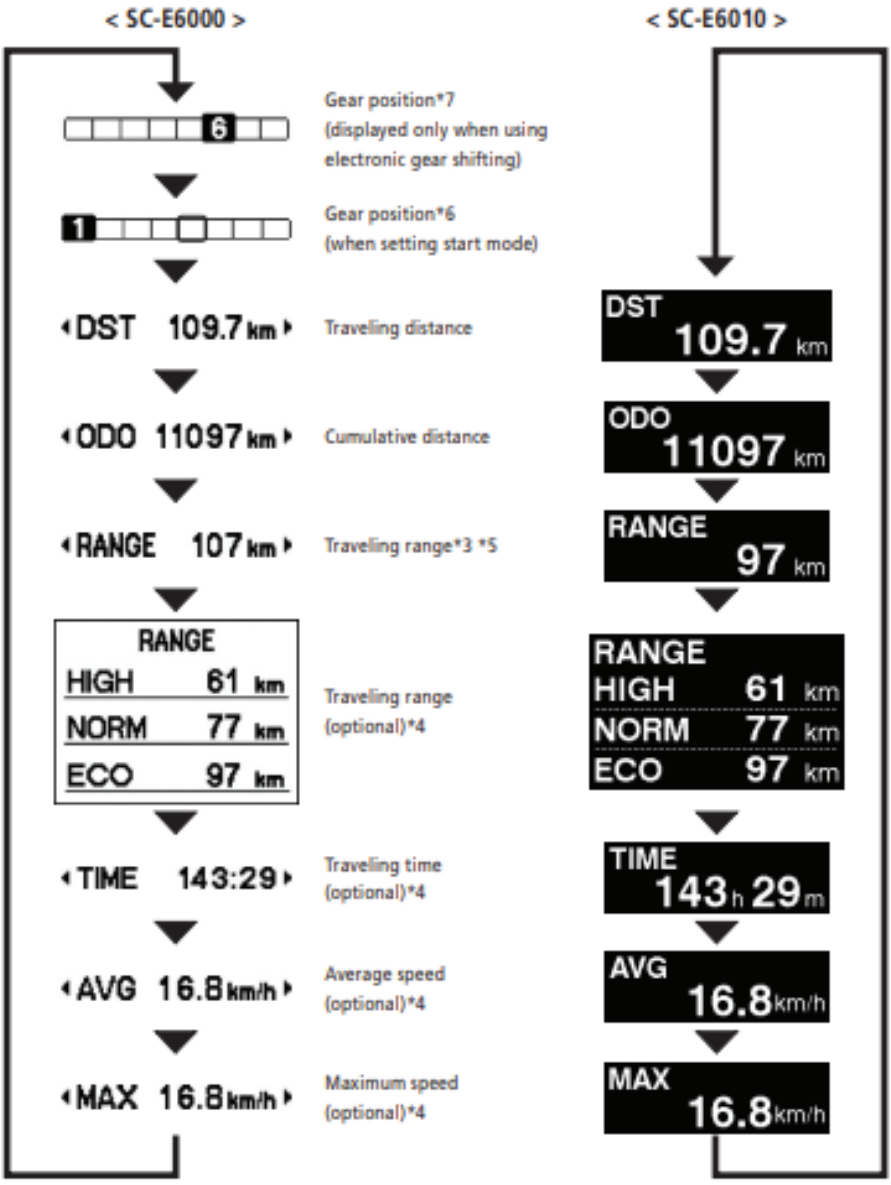
< SC-E6000 >

< SC-E6010 >

*1 Gear position (displayed only when using electronic gear shifting)
*2 Gear position (when setting start mode)

*3 When [RANGE] is displayed, the battery level and the walk assist indicator do not appear on the screen.
*4 Optional item: You can configure the display settings in E-TUBE PROJECT. For details, refer to the "Connection and communication with the PC" section.
*5 When the walk assist function is working, [RANGE ---] is displayed in the [RANGE] screen.
*6 The starting gear position is displayed when using start mode.
*7 The gear position is only displayed when using electronic gear shifting.

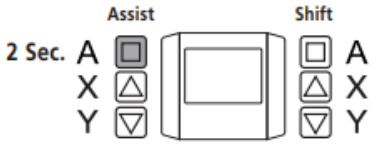
CONTROL DISPLAY



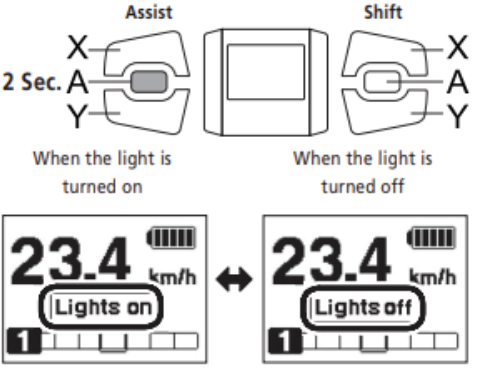
Turning the battery-powered light ON or OFF

< SC-E6000 >
When the battery-powered light is connected, pressing the Assist-A for 2 seconds displays this information instead of the clock and assist mode. The light turns on and off each time it is displayed. It is displayed for about 2 seconds.

< SW-E6000 >

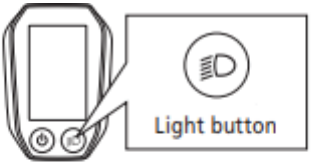


< SW-E6010 >



< SC-E6010 >
When the battery-powered light is connected, push the light button on the cycle computer to turn the light on. An icon indicating that the light is on appears on the screen. Push the button again to turn the light off.

Once the light is turned off, the icon on the screen disappears.
* When the battery powered light is not connected and [Backlight] is set to [MANUAL], pressing the light button turns the cycle computer's backlight on and off.



When the light is turned on

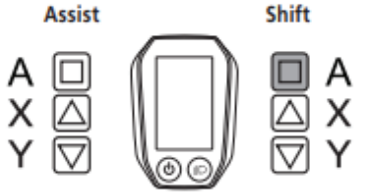
When the light is turned off

The light turns off in conjunction with the battery power. When the battery power is off, the light is off.

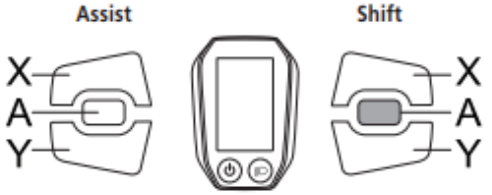
Switching gear shifting mode

From the basic screen, press Shift-A to switch between automatic and manual gear shifting modes.

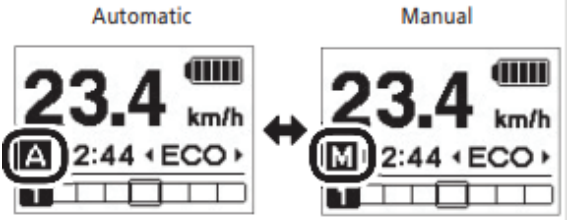
< SW-E6000 >



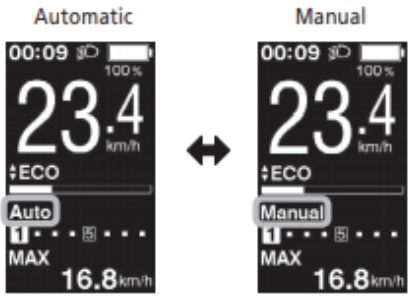
< SW-E6010 >



< SC-E6000 >



< SC-E6010 >

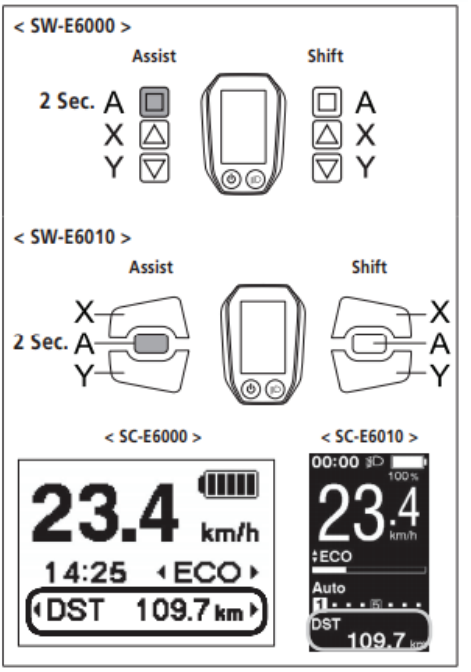


Clearing the traveling distance

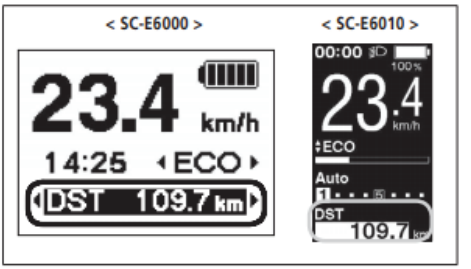
You can clear the traveling distance in the main screen. If the battery-powered light is connected and configured, clear the traveling distance (DST) according to "Clear" in "About the settings menu".

When using the SC-E6000 this function can only be used when the light is not connected.

1. Change the traveling data display to DST and press the Assist-A for 2 seconds.



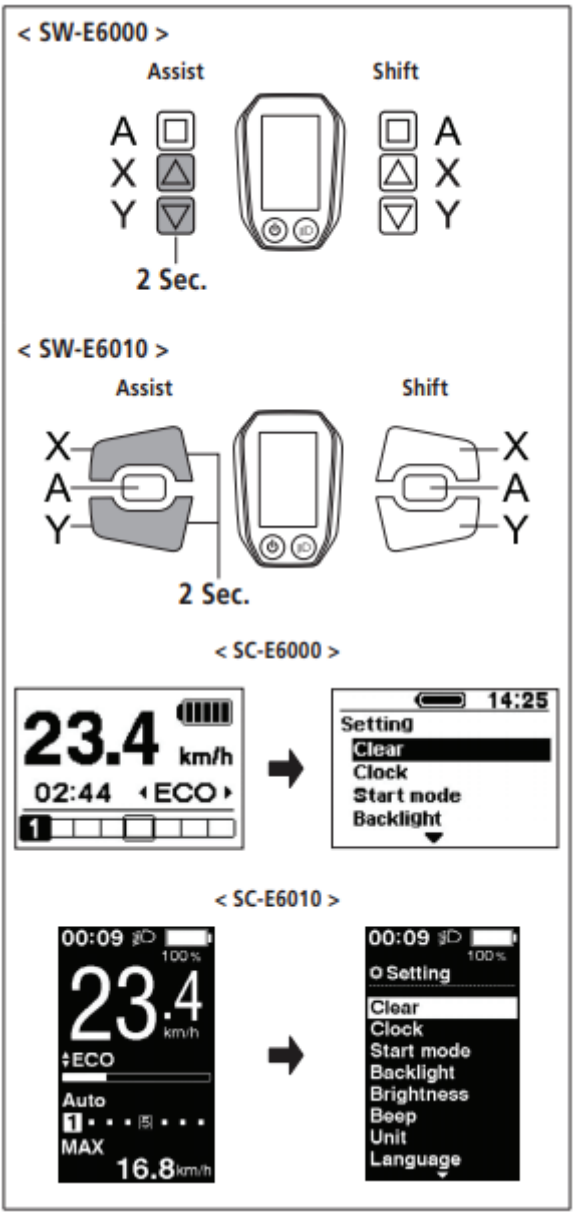
2. Release the finger when the DST indication starts blinking.
In this state, pressing the Assist-A again clears the traveling distance.



• The DST indicator light stops blinking and the screen takes you back to the basic screen after leaving it alone for 5 seconds.
• When the traveling distance is cleared, TIME, AVG, and MAX are also cleared.

About the settings menu

With the bicycle stopped, pressing both the Assist-X and Assist-Y at the same time for 2 seconds displays the setting screen

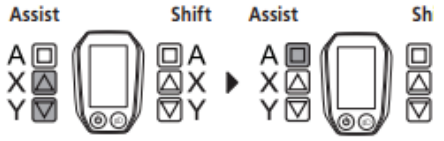


Press the Assist-X or Assist-Y to move the cursor to the item you want to configure.
Pressing the Assist-A displays the setting screen for the item selected.

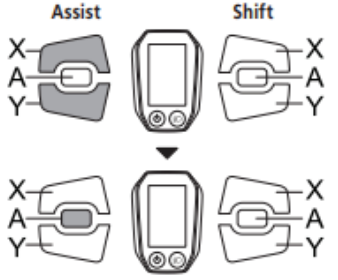
Configurable items	Details
Clear	Clear settings
Clock	Clock setting
Start mode*2	Start mode setting
Backlight	Backlight setting
Brightness*1	Backlight brightness settings
Beep	Beep setting
Unit	Switching between km and miles
Language	Language setting
Font color*1	Font color settings
Adjust*2	Adjusting the electronic gear shifting unit
Auto*2	Shift timing adjustment
Exit	Return to the main screen

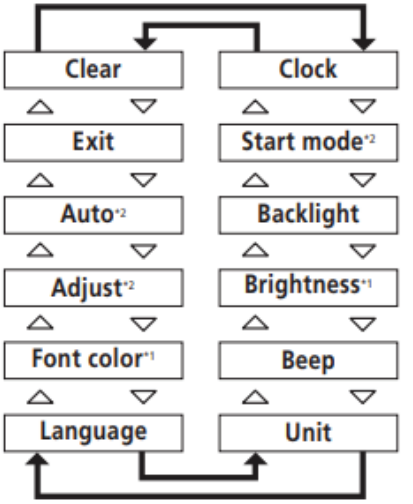
* 1: This menu is only for the SC-E6010.
* 2: This operation is only available when using electro gear shifting.

< SW-E6000 >



< SW-E6010 >





Clear the traveling distance, or reset the display setting to default.

When the traveling distance is cleared, TIME, AVG, and MAX are also cleared.

1. Press the Assist-X or Assist-Y to move the cursor to the item you want to configure.

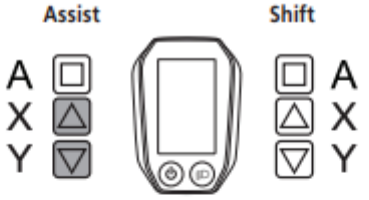
Configurable items / Details
Exit Return to the setting menu screen
DST Clearing the traveling distance
Default Reset the SC display setting to default

Default value set in the SC display setting

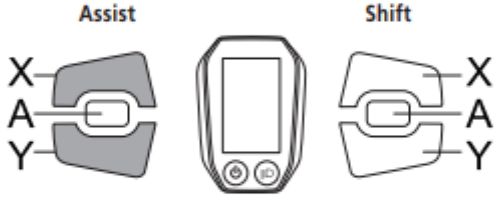
Configurable items / Default value
Backlight ON
Beep ON
Unit km
Language English
< SC-E6010 >
Brightness 3
< SC-E6010 >
Font color White

2. Pressing the Assist-A button enables the setting item indicated by the cursor and takes you back to the "Setting menu" screen.

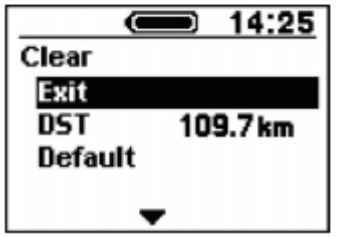
< SW-E6000 >



< SW-E6010 >



< SC-E6000 >



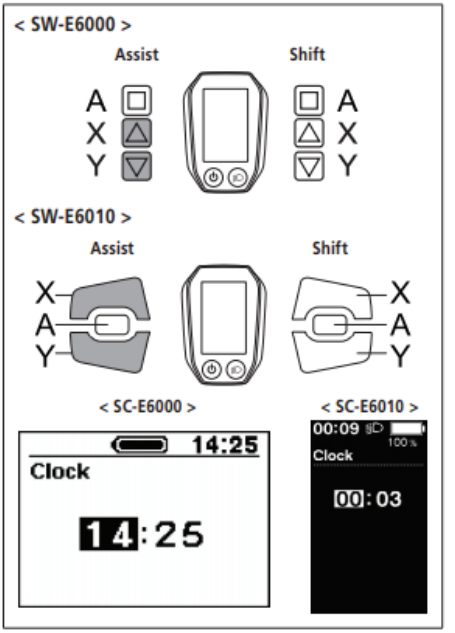
< SC-E6010 >

Configure the clock setting.

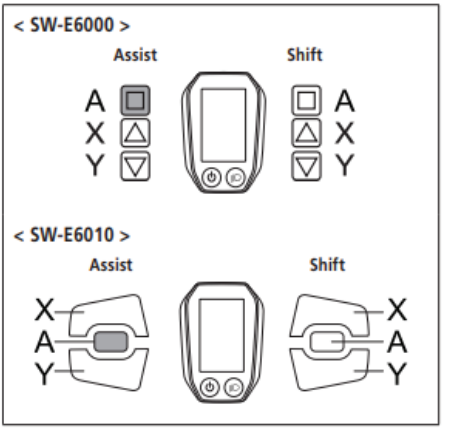
1. Press the Assist-X or Assist-Y to set the hour.

Press Assist-X to increase the numbers.

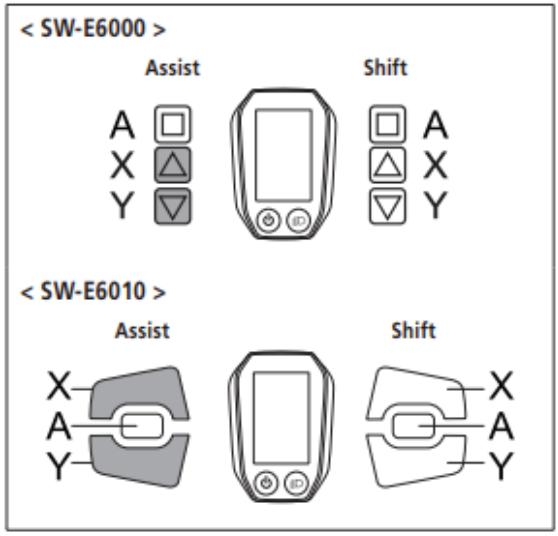
Press Assist-Y to decrease the numbers.



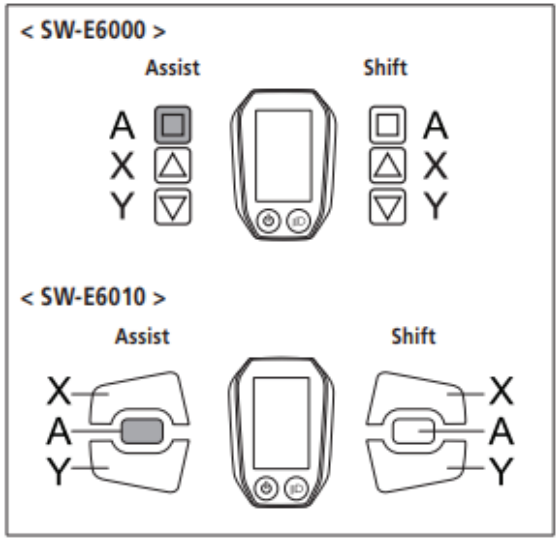
2. Pressing the Assist-A enables the set value and moves you to the minutes setting.



3. Press the Assist-X or Assist-Y to set the minutes.



4. Pressing the Assist-A enables the set value and takes you back to the "Setting menu" screen.

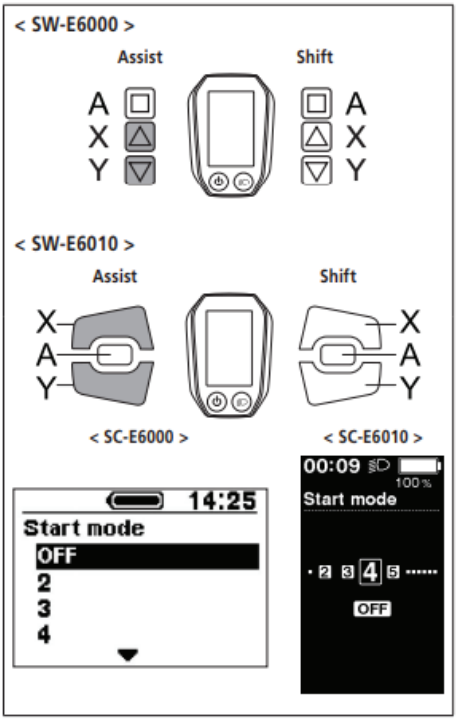


You can change the numbers quickly by holding down the Assist-X or Assist-Y

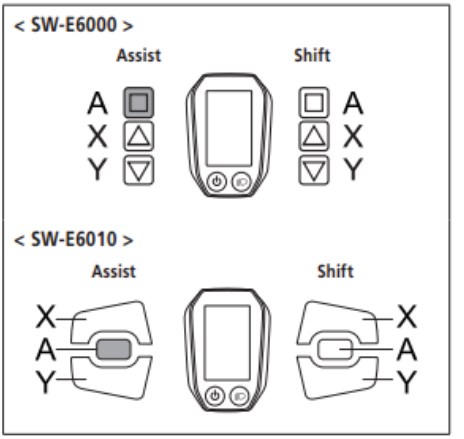
Start mode
Set the start gear when using start mode function.

1. Press the Assist-X or Assist-Y to move the cursor to the item you want to configure.

Configurable items / Details
OFF No setting
2 2-speed
3 3-speed
4 4-speed
5 5-speed



2. Pressing the Assist-A button enables the set value at the cursor position and takes you back to the "Setting menu" screen.



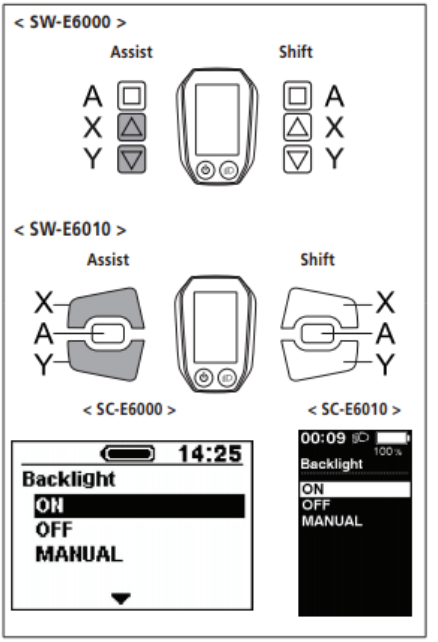
CONTROL DISPLAY

Backlight

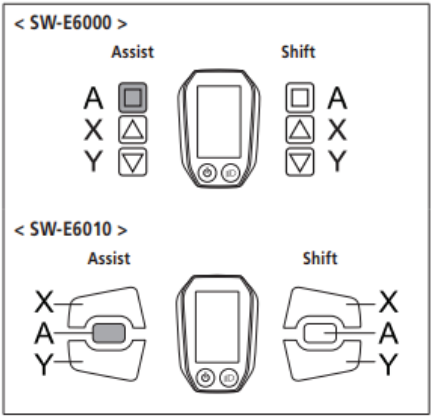
Configure the display backlight setting.

1. Press the Assist-X or Assist-Y to move the cursor to the item you want to configure.

Configurable items / Details
ON Always turned on
OFF Always turned off
MANUAL Turns on and off in conjunction with the battery-powered light



2. Pressing the Assist-A button enables the setting item indicated by the cursor and takes you back to the "Setting menu" screen.

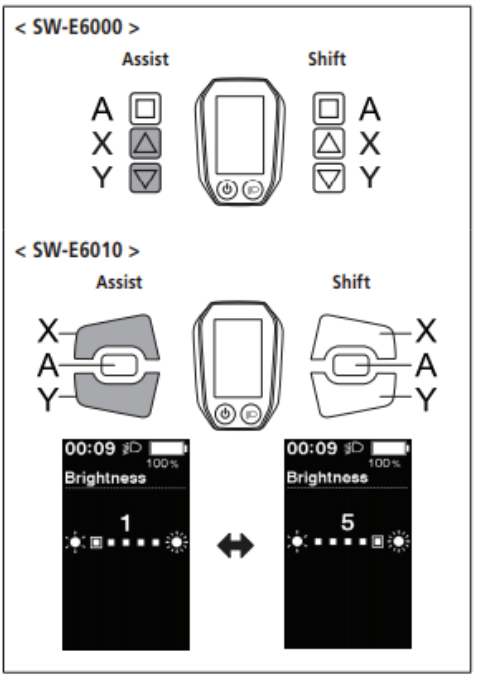


Brightness

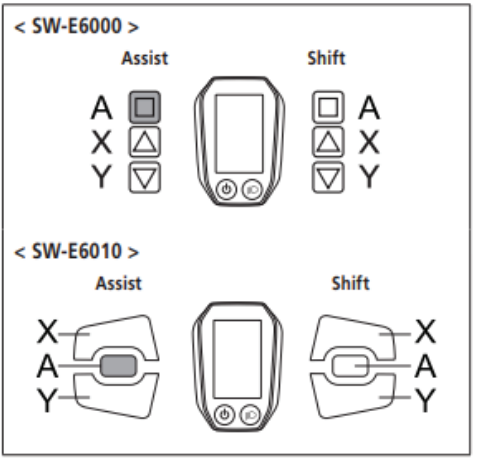
The brightness of the backlight can be adjusted as needed.

1. Press Assist-X or Assist-Y to adjust the brightness.

• Brightness can be adjusted to one of 5 levels.



2. Pressing the Assist-A button enables the set value at the cursor position and takes you back to the "Setting menu" screen.

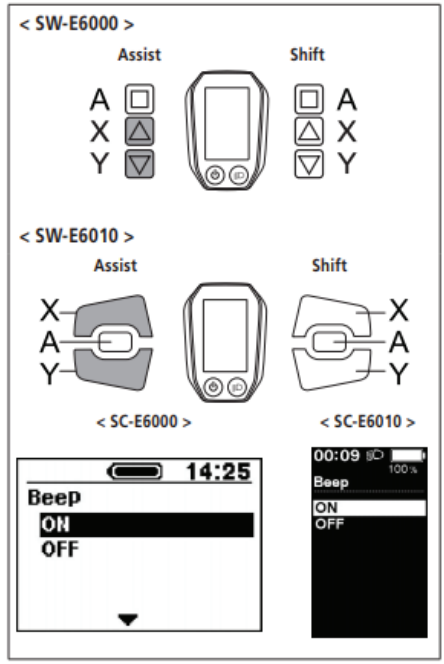


Beep

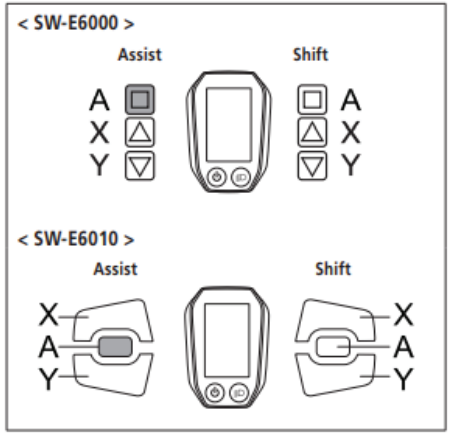
The beep sound can be turned on/off.

Press the Assist-X or Assist-Y to move the cursor to the item you want to configure.

Configurable items / Details
ON Enable beeps
OFF Disable beeps



2. Pressing the Assist-A button enables the setting item indicated by the cursor and takes you back to the "Setting menu" screen.



Even when [Beep] is set to [OFF], a beep will sound when there is a misoperation, system error, etc.

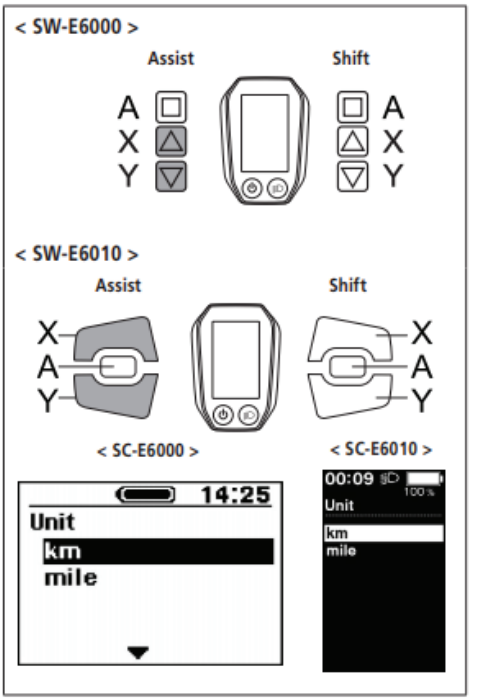
CONTROL DISPLAY

Unit

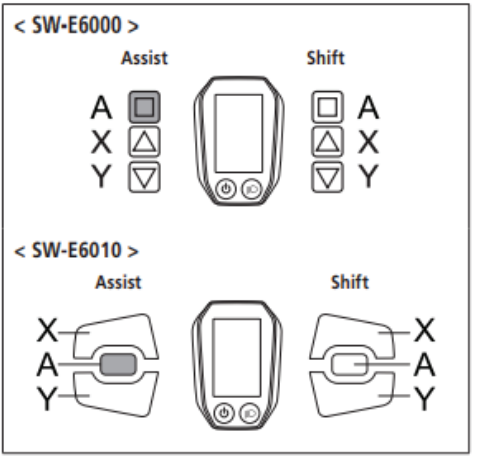
Distance units (km/miles) can be switched.

1. Press the Assist-X or Assist-Y to move the cursor to the item you want to configure.

Configurable items / Details
Km Displayed in km
Mile Displayed in miles



2. Pressing the Assist-A button enables the setting item indicated by the cursor and takes you back to the "Setting menu" screen.

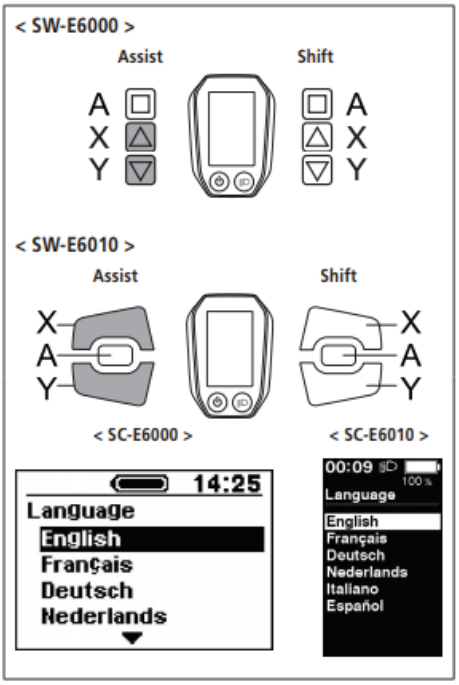


CONTROL DISPLAY

Language

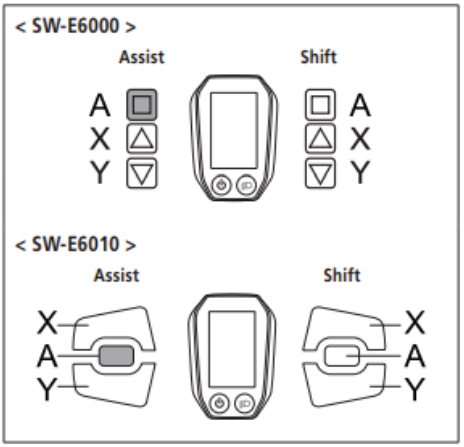
Configure the language setting.

1. Press the Assist-X or Assist-Y to move the cursor to the item you want to configure.



Configurable items
English
Français
Deutsch
Nederlands
Italiano
Español

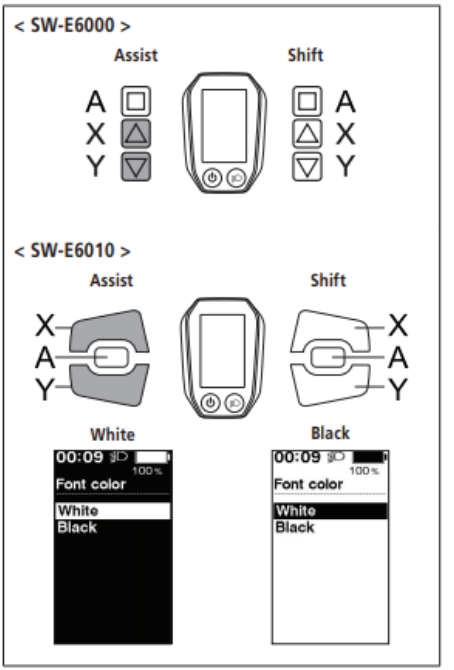
2. Pressing the Assist-A button enables the setting item indicated by the cursor and takes you back to the "Setting menu" screen.



Font color

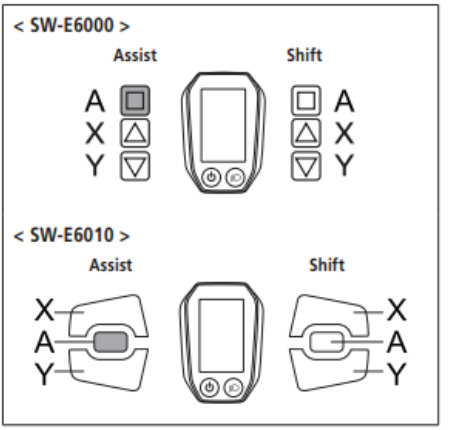
The font color can be changed.

1. Press the Assist-X or Assist-Y to move the cursor to the item you want to configure.



Configurable items
White
Black

2. Pressing the Assist-A button enables the setting item indicated by the cursor and takes you back to the "Setting menu" screen.



CONTROL DISPLAY

You can adjust gear shifting only when using an electronic gear shifting unit.

If you need to adjust the derailleur, contact the place of purchase.

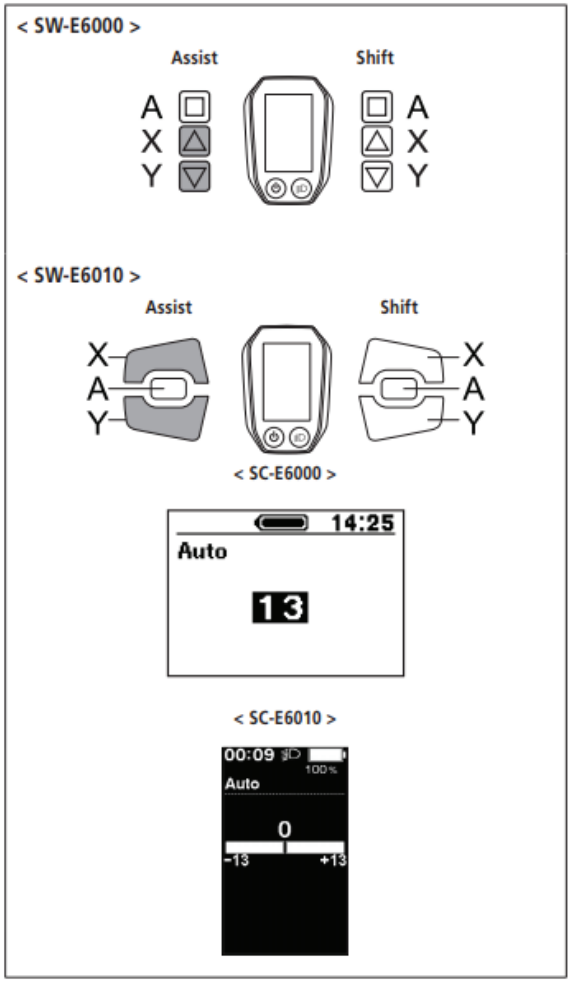
Auto

Shift timing can be adjusted when in automatic shift mode.

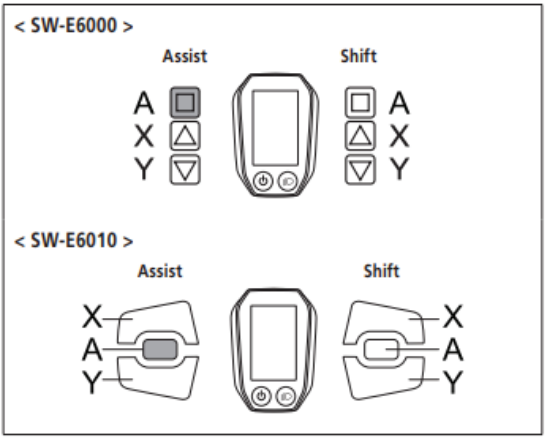
1. Press Assist-X or Assist-Y to adjust the values.

• Pressing Assist-X and adjusting the value upward adjusts shift timing to make pedaling easier.

• Pressing Assist-Y and adjusting the value downward adjusts shift timing to make pedaling harder.



2. Pressing Assist-A enables the adjusted value and takes you back to the "Setting menu".



Exit

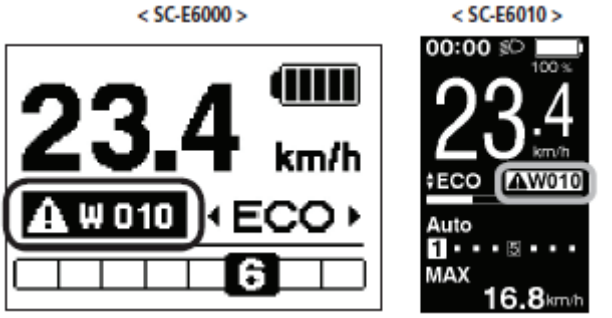
Close the setting menu and returns to the basic screen.

1. Press the Assist-X or Assist-Y to move the cursor to [Exit].
2. Pressing the Assist-A exits the setting menu and takes you back to the basic screen.

Battery LED lamp error indications

System errors and similar warnings are indicated by the battery LED lamps through various lighting patterns and on the cycle computer.

Warnings
This disappears if the error is fixed.



In case of any error messages displayed either by battery LEDs or on the Display, contact the shop where the product was purchased from or a bicycle shop for assistance.

CONTROL DISPLAY

Shimano SC-E7000 Unit

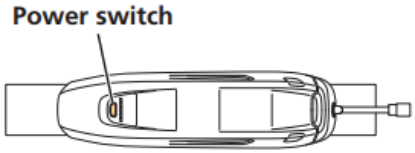
Turning Power ON/OFF
The main power can be turned ON/OFF using the battery power button.

Check the following prior to turning the power ON:
– The battery is firmly attached to the battery mount
– The cycle computer is firmly attached to the bracket
Do not place your foot on the pedal when operating the power. Doing so could cause a system error.

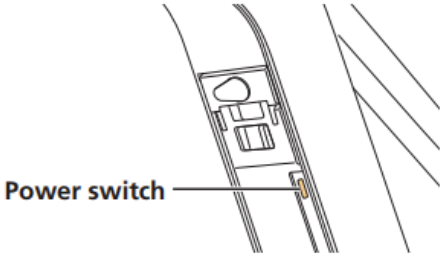
When the main power is turned ON, all components connected to the drive unit are also turned ON (such as assist driving, cycle computer power, the electronic gear shifting mechanism, and the lights).
• The power cannot be turned ON while charging.
• If the bicycle is left unused for 10 minutes after turning the power ON, the power automatically turns OFF. (This is the automatic power OFF function.)

Press the battery power button.
The LED lights up and the battery level is displayed.

<BT-E8010/BT-E8014>



<BT-E8020>

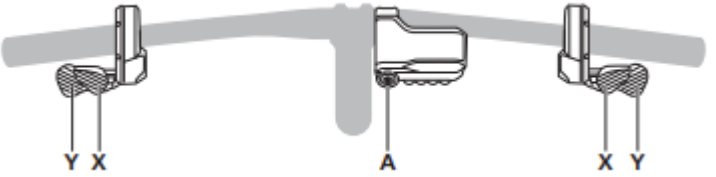


Use the same procedure to the turn the power OFF.
Do not step on the pedal when turning the power ON/OFF.

Pressing the battery power button on a BT-E8010/BT-E8020 battery for around six seconds will force the power OFF for emergencies.

When the main power is turned ON, a screen similar to that shown below is displayed, and then switches to the basic screen.

This manual uses default settings for all explanations. The functions assigned to switches when riding can be changed from those described here, by connecting to E-TUBE PROJECT.



The right switch can be replaced with a normal shifter. In this case the right switch functions explained below are no longer valid.

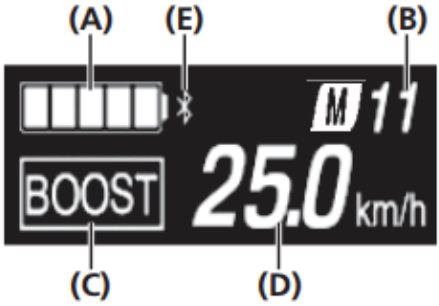
Left switch(default: assist)		Right switch (default: electronic gear shifting)	
Assist-X	**When riding:** Increase assistance **When setting:** Move cursor or change setting	Shift-X	**When riding:** Shifting up
Assist-Y	**When riding:** Decrease assistance **When setting:** Move cursor or change setting	Shift-Y	**When riding:** Shifting down
A	**When riding:** Switch traveling data displayed on cycle computer **When setting:** Switch cycle computer screen or confirm setting changes		

Be sure to keep turning the crank during gear shifting.

CONTROL DISPLAY

This displays the status of the bicycle and traveling data. The gear position is only displayed for electronic gear shifting.

< SC-E7000 basic screen >



(A) Battery level indicator
(D) Current speed
(B) Gear position display
(E) Bluetooth® LE icon. Only displayed when an external device is connected over Bluetooth® LE.
(C) Current assist mode

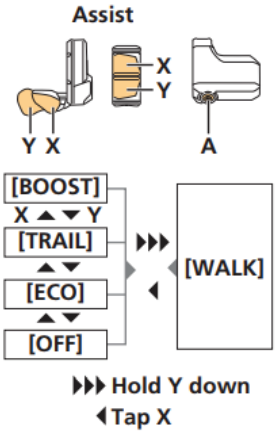
The battery level is shown as an icon.

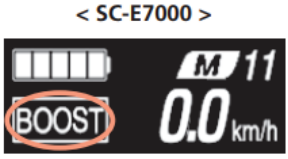
Display	Battery level
	81%-100%
	61%-80%
	41%-60%
	21%-40%
	1%-20%
	0%

Switching the assist mode with the switch unit

If no assist switch is connected, you can also hold down A to switch to assist mode. However, it cannot be switched to [WALK] mode.

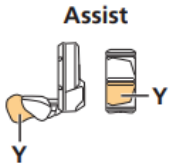
Press Assist-X or Assist-Y.

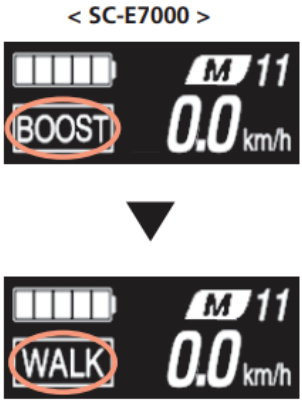




Switching to walk assist mode

1. Stop the bicycle.
2. Release your feet from the pedals.
3. Hold down Assist-Y until it reaches the following state (around two seconds).
4. The assist mode shown on the display switches to [WALK].





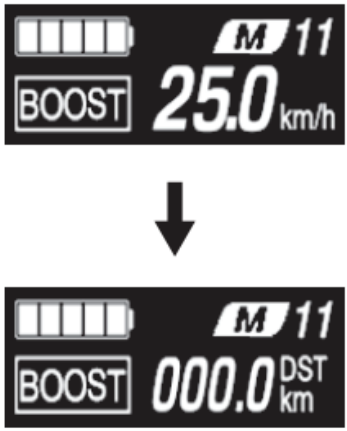
If it is impossible to switch to walk assist mode for any reason (the bicycle is not stopped, there is pressure applied to the pedals, etc.), a warning sound will be played.

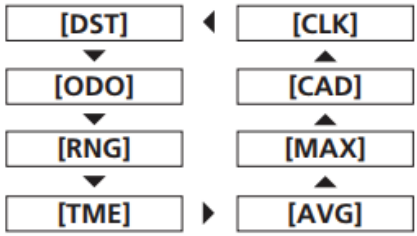
If nothing is done for one minute after switching to walk assist mode, it will switch back to the assist mode that was selected before switching to walk assist mode.

Press Assist-X to exit walk assist mode.
[WALK] mode is canceled, and the system restarts in the mode it was in prior to setting [WALK] mode.

Switching Traveling Data Display

1. Press A.
   The traveling data display will switch each time it is pressed.





Display item / Explanation
[DST] Traveling distance*1
[ODO] Cumulative distance
[RNG] Maximum traveling distance*2*3
[TME] Traveling time*4
[AVG] Average speed*4
[MAX] Maximum speed*4
[CAD] Crank rotation speed*4*5
[CLK] Current time*4

*1 Traveling data can be reset by holding Assist-A while displaying [DST]. The [ODO] information will not be reset.
*2 The battery level is not displayed while displaying [RNG]. The traveling range should be used as a reference only.
*3 When walk assistance is functioning, the [RNG] screen display changes to [RNG ---].
*4 This item is optional. Whether to show this or not can be set by connecting E-TUBE PROJECT. Refer to "Items Configurable in E-TUBE PROJECT" in "CONNECTION AND COMMUNICATION WITH DEVICES."
*5 Electronic gear shifting only.

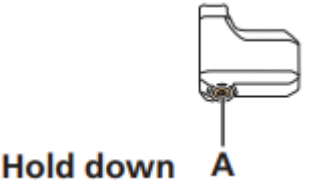
The screen will switch back to displaying the speed once 60 seconds have passed after displaying the traveling data.
Pressing A with the speed information displayed will switch the displayed traveling data in sequence from [DST].

Resetting the traveling distance

Reset the traveling distance displayed on the basic screen.
When the traveling distance is reset, [TME] (traveling time), [AVG] (average speed), and [MAX] (maximum speed) will also be reset.

1. Press A to switch the traveling data display to [DST].

2. Continue to hold A until the number displayed for [DST] flashes.



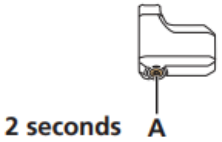
3. Press A.
The traveling data is cleared.

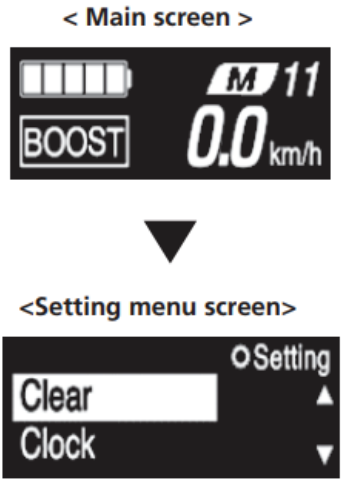
If nothing is done for five seconds after the number for [DST] begins flashing, it will stop flashing and the screen will return to the basic screen.

Setting Menu

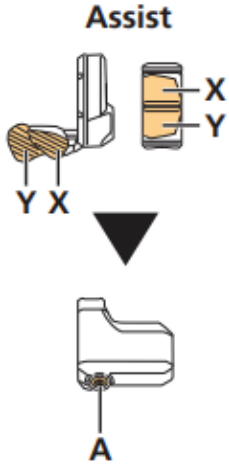
1. Stop the bicycle.
2. Perform the following to switch to the setting menu.

• Hold down A until the screen switches to the setting menu.





3. Select a menu item.
(1) Press Assist-X or Assist-Y to move the cursor.
(2) Press A.
The display switches to the screen for the selected item.



Selectable items / Explanation

[Clear] Resets the traveling distance and display settings.
[Clock] Sets the current time.
[Light] Turns the light connected to the drive unit ON/OFF.
[Beep] Turns the operation sound ON/OFF.
[Unit] Switches the display unit between km and mile.
[Language] Sets the display language.
[Font color] Switches the font color between black and white.
[Adjust] *1 Adjusts gear shifting for the electronic gear shifter.
[Shift timing] *1 Not used.
[RD protection reset] *2 Performs RD protection reset.
[Exit] Returns to the basic screen.

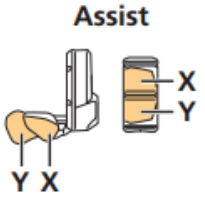
*1 Electronic gear shifting only.
*2 Electronic gear shifting rear derailleur models only

[Clear] Setting reset

Resets the traveling distance.
When the traveling distance is reset, [TME] (traveling time), [AVG] (average speed), and [MAX] (maximum speed) will also be reset.

1. Display the [Clear] menu.
(1) Display the setting menu.
(2) Press Assist-X or Assist-Y, select [Clear], and then press A.

2. Press Assist-X or Assist-Y to select the item to reset.



Selectable items Explanation
[Exit] Returns to the setting menu.
[DST] Resets the traveling distance.

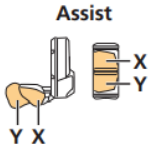
3. Press A to reset the selected item.
The display will automatically return to the setting menu.

[Clock] Time setting

Sets the current time. First set the "Hour" and then the "Minute." When setting numbers in steps 2 and 4, you can hold Assist-X or Assist-Y to quickly change numbers.

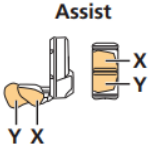
1. Display the [Clock] menu.
(1) Display the setting menu.
(2) Press Assist-X or Assist-Y, select [Clock], and then press A.

2. Press Assist-X or Assist-Y to change the "Hour" number.
• Press Assist-X to increase the number.
• Press Assist-Y to decrease the number.



3. Press A to finalize the setting. The cursor moves to the "Minute" number.

4. Press Assist-X or Assist-Y to change the "Minute" number.
• Press Assist-X to increase the number.
• Press Assist-Y to decrease the number.



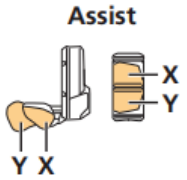
5. Press A to finalize the setting. The display will automatically return to the setting menu.

[Light] Light ON/OFF

Turns the light connected to the drive unit ON/OFF.

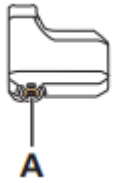
1. Display the [Light] menu.
(1) Display the setting menu.
(2) Press Assist-X or Assist-Y, select [Light], and then press A.

2. Press Assist-X or Assist-Y to select the item to set.



Configurable items/Explanation
[ON] Sets the light to always be ON.
[OFF] Sets the light to always be OFF.

3. Press A to finalize the setting. The display will automatically return to the setting menu.



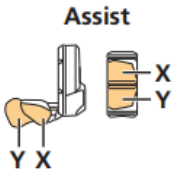
[Beep] Beep setting

Turns the operation sound ON/OFF.
Even if the operation sound is set to [OFF], a beep will sound when there is an incorrect operation, system malfunction, etc.

1. Display the [Beep] menu.

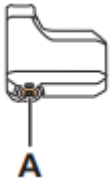
(1) Display the setting menu.
(2) Press Assist-X or Assist-Y, select [Beep], and then press A.

2. Press Assist-X or Assist-Y to select the item to set.



Selectable items / Explanation
[ON] Turns the operation sound ON.
[OFF] Turns the operation sound OFF

3. Press A to finalize the selected setting. The display will automatically return to the setting menu.

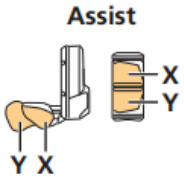


[Unit] km/mile switching

Switches the display unit between km and mile.

1. Display the [Unit] menu.
(1) Display the setting menu.
(2) Press Assist-X or Assist-Y, select [Unit], and then press A.

2. Press Assist-X or Assist-Y to select the item to set.



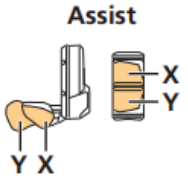
Selectable items/ Explanation
[km] Display in km.
[mile] Display in miles.

3. Press A to finalize the selected setting. The display will automatically return to the setting menu.

[Language] Language setting
Sets the display language.

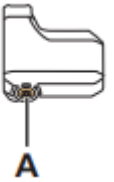
1. Display the [Language] menu.
(1) Display the setting menu.
(2) Press Assist-X or Assist-Y, select [Language], and then press A.

2. Press Assist-X or Assist-Y to select the item to set.



Selectable items / Explanation
[English] English
[Français] French
[Deutsch] German
[Nederlands] Dutch
[Italiano] Italian
[Español] Spanish

3. Press A to finalize the selected setting. The display will automatically return to the setting menu.

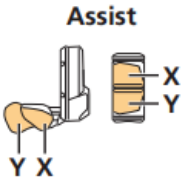


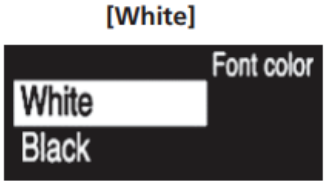
[Font color] Font color settings
Switches the font color between black and white.

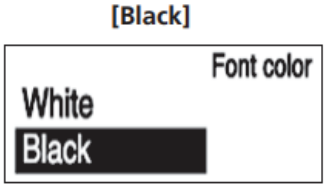
1. Display the [Font color] menu.

(1) Display the setting menu.
(2) Press Assist-X or Assist-Y, select [Font color], and then press A.

2. Press Assist-X or Assist-Y to select the item to set.

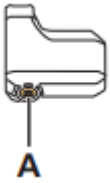






Selectable items Explanation
[White] Displays white text on a black background.
[Black] Displays black text on a white background.

3. Press A to finalize the selected setting. The display will automatically return to the setting menu.



Error Indications

The battery LEDs are used to notify the user of system malfunctions, and errors on the cycle computer.

Warnings
If the situation is resolved, this indication will disappear. If the situation does not improve, consult a distributor.

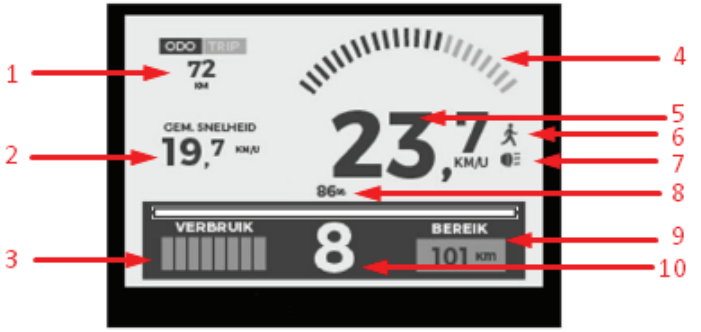
In case of any errors, consult a distributor, bicycle shop, mechanic or the dealer where the e-bike was purchased from.

CONTROL DISPLAY

DEVRON ELECTRIC CONTROL DISPLAY

Depending on your model, the Devron Electric system comes either with POD and DISPLAY or only POD. The functions of the POD do affect what is shown on the display. Therefore the function of the display is explained first.

When the ebike is turned on, the display will indicate the following information in the main screen:



1. Odometer (total) / Trip Odometer;
2. Average speed of last trip;
3. Battery power output bargraph;
4. Motor Torque;
5. Current speed of travel;
6. Walk assist ON/OFF.
7. Lights ON/OFF;
8. Battery charge level in %;
9. Range based on battery charge level and assist mode selected.
10. Assist level;

CONTROL DISPLAY

DEVRON ELECTRIC CONTROL POD

The Pod can be used without Screen display. The motor assist levels, and battery levels are displayed on the pod by two distinct rows of LEDs.

Top row of LEDs indicate the level of assist. Bottom row of LEDs indicate the battery level..

Main Button (1)
Press and hold (2-3 seconds) main button to power on/off the electric system.

Secondary Button (2)
Push the secondary button (2) to increase the assist level (level 1 level 9).
Press and hold the button to toggle on/off lights function. This will also operate the screen backlight on and off if equipped.

Secondary Button (3)
Push the secondary button (3) to decrease the assist level (level 9 level 1).
Press and hold the button to engage the walk assit function. Walk assist mode will cancel once you release the button.

Reset the average speed and the last distance traveled

Press Main button (1) button to select between Distance (total) or Last distance traveled. (the information displayed in area 1 of the LCD).

Select TRIP and then press Buttons 2 and 3 simultaneously until the displayed information is set to 0. The total distance traveled can not be reset.

The electric bicycle is delivered with all settings for use at optimal parameters as specified by the manufacturer and the law.

For other settings, please contact the shop where the electic bicycle was purchased from, or the nearest specialist center.

RECHARGEABLE BATTERY

Rechargeable Battery

The battery can not be used immediately after delivery.

The battery can only be used after a complete charging cycle using the specified charger.

1. Charge the battery before use.
2. It is recommended to use only chargers identical to the original one with which the electric bicycle was sold. If a battery or charger from another manufacturer is used, please carefully read the instructions of the manufacturer.

When charging, use the battery and charger combination supplied and specified by the producer. Otherwise you risk overheating, explosion or battery ignition.

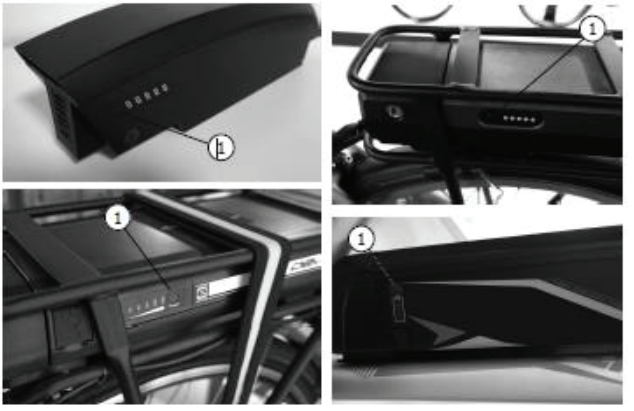
If the electric bicycle is stored for a longer period of time, the battery will require charging before use. After the first charge, the battery starts to gradually deteriorate due to charge/discahre cycles and use.

The ebike is equipped with a highperformance lithium ion rechargeable battery. The rechargeable battery supplies the drive system and light system with power once switched on.

The power of the rechargeable battery depends on certain factors such as age, type, usage rate, as well as maintenance. The full performance (capacity) of a new battery is reached after aprox. 2-5 complete charging cycles.

A complete charge cycle means charging till 100% without interupting prematurely.
When the drive system is on, you can check the battery charge status on the Control Display or directly on the battery (except frame integrated batteries).

Push the button (1) located near the LED level display of the battery. The charge status will be indicated by LED lights. The LEDs will switch off automatically after a brief time.



RECHARGEABLE BATTERY

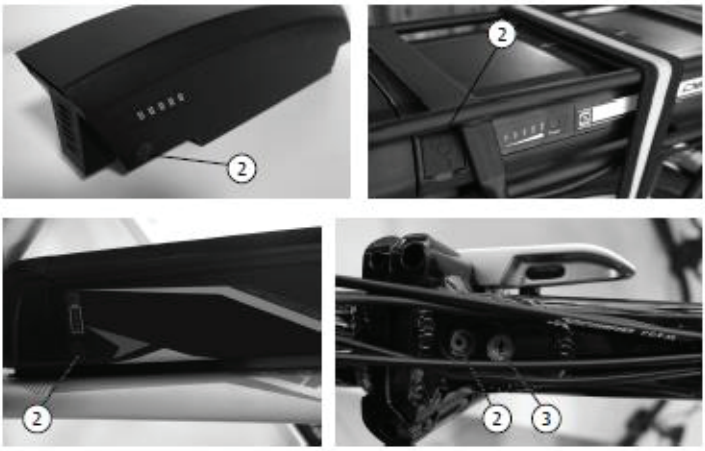
Use only the specified original rechargeable battery for the ebike.

- A rechargeable battery with damaged housing must be replaced immediately.
- Keep the rechargeable battery away from fire and excessive heat.
- Never put the rechargeable battery into the microwave
- Never hold the rechargeable battery under water. Never clean it with a highpressure cleaner.
- Never expose the rechargeable battery to any strong impacts or permanent vibrations.
- Never attempt to open or repair the rechargeable battery. Replace completely if defective.
  Take out the rechargeable battery when transporting the ebike on vehicle carrier systems.

CHARGING THE BATTERY

Charge the rechargeable battery completely if possible after every long ride. This type of rechargeable battery does not suffer any memory effect. You can charge the rechargeable battery on or off the bike.

1. Switch off the drive system before charging;
2. Push aside the protective cap of the charging socket (2) on the rechargeable battery;
3. Connect the main cable of the charger into the main socket;
4. Connect the charging plug to the charging socket (2) of the rechargeable battery.
5. Check the start of charching;
6. Charging process stops automatically when the battery is fully charged.



REMOVING THE BATTERY

Rack battery

1. Switch off the drive system;
2. Insert the key into the rechargeable battery lock (3) and turn counterclockwise to unlock;
3. Pull out the battery from the rack.

Sideclick battery | Downtube battery | Frame battery

1. Turn off the drive system;
2. Insert the key into the battery lock and turn clockwise to unlock;
3. Pull out the battery to the side with your other hand.

Frame battery (Folding EBike)

1. Turn off the drive system;
2. Open the frame as described in the Folding ebike section;
3. Insert the key into the battery lock and turn it counterclockwise.
4. Pull the battery out of the frame.

INSERT BATTERY

Luggage carrier battery

1. Push the battery into the rack slot completely;
To secure the battery, push the key into the lock and turn it clockwise.

Sideclick battery | Downtube battery | Frame battery

1. Push the battery into the holder until the lock secures in.

Frame battery (Folding EBike)

1. Fold in the frame, if not done so before removing the battery;
2. Push the battery completely into the frame slots.
3. Turn the key clockwise to secure the battery in;
4. Remove the key.

STORING THE BATTERY

Always store the battery fully charged, as cells may be damaged or even destroyed in case of full discharge. In this case the warranty will be void!

The rechargeable battery must be stored in a dry and cool, frostfree room (7-10° C). Danger of short circuit and fire!

Lithium ion rechargeable batteries have a very low selfdischarge rate. Still, we recommend charging the battery for at least 2 hours every 3 months if not used.

RANGE

The range of your ebike may be reduced by certain factors that may include:

- Charge Level;
- Total weight (cyclist + payload)
- Pedalling rate;
- Ambient temperature;
- Tyre pressure;
- Assist level;
- Old/ residual capacity of the battery
- Terrain;
- Headwind;
- Inclination/ elevation;

You can obtain the best possible range by not using the motor assistance all the time. Use it to accelerate, for climbs or in headwind.

Choosing a lower speed level in combination with higher pedaling rate will also increase the range. Also make sure that you always have the correct tire pressure, as this may strongly influence the range.

Switch off the drive system before any repairs, maintenance and care work and remove the battery. Danger of damage and accidents!

The ebike requires regular inspection, maintenance and servicing. Only in this way you can ensure that it permanently complies with the safety and technical requirements to operate properly.

The individual parts are exposed to stress during use, crashes, accidents or improper treatment. Any kind of cracks, scratches or colour changes may indicate that the respective part may suddenly fail. This specifically applies to bent or damaged safetyrelevant parts, such as the frame, fork, handlebar, stem, saddle, seat post, rack, all brake components, lights, pedals, wheels, tyres and tubes.

Never repair such defective parts and replace them only with genuine components without delay. If no longer available, use only compatible replacement parts. A mechanic or bicycle shop can offer the best solution in such cases.

GENERAL CARE NOTES

Ensure that no care agent, grease or oil reaches the brake linings, brake disc or tires, as the brake performance will be severely reduced. Danger of accidents !

Never use any high pressure or steam cleaners, since this may cause damage (e.g. Electric parts and paint damage, rust on the bearings, etc). Clean the ebike by hand with warm water, a bicycle cleaning agent and a soft sponge.

•

Do not use aggressive cleaning agents, since they may dammage the paint. After cleaning, apply bicycle preservation and polishing agents, especially to corrosion susceptible parts.

In order to prevent rust, clean your ebike at regular intervals and in particular after exposed to rain or snow, mud or dust.

MAINTENANCE WORK

Regular and professional maintenance can ensure optimal and safe use of your ebike.

The following inspections should be carried out in order to prevent any potential fail:

WHEELS

Rims designed for rim brakes provide a smooth parallel braking surface while rims designed for disc brakes or hub brakes sometimes lack this surface. There should be no traces of dirt on these surfaces especially grease.

If any traces of grease or dirt are noticed, clean imediatelly.

If during general inspection, the rim wear level indicator is no longer visible, please contact either a bicycle shop or mechanic for immediate replacement.

If you notice any nothches or scratches on the parallel surfaces of the rim consult a bicycle shop or mechanic for best repair options.

Spin the wheel freely to check the tire sidewalls and rolling surface. The tire must not show signs of uneven wear, lumps, fabric plies, missing or torn pieces.

The tire bead must also be checked for irregularities and ensure it stays firmly against the entire rim.

Check the inflation pressure with a gauge and inflate if required with a pump.

If the inflation preassure is too high release air through the valve. Check the sides of the tire for manufacturer pressure rating specification

BRAKE SYSTEM

In case of hydraulic brakes, check for any leaks by pulling the break lever and inspecting visually the complete system.

Spin freely each wheel to check the gap between the brake pads and rim sides (when using rim brakes) or between the fork legs and rim sides (when using disc brakes).

The maximum allowed deviation is 1mm. If exceeded, the wheel needs truing.

This process requires experience and special tools and is usually covered by a mechanic or bicycle shop.

In case of mechanically actuated disc brakes, the cables must be securely tightened by bolts. Outer and inner cables should not show any damage.

Inspect the surface of the rotors for any grooves, deep scratches or other forms of mechanical damage. Replace if advised by a mechanic or bicycle shop.

Lift front wheel and rotate freely to check for rotor warping. Repeat for rear wheel. When rotating freely, the rotor should not rub on the brake pads.

CHAIN

Check visually the chain links for any damages. With the bicycle in static position, rotate the chain set in reverse to check for any strange noises, clutches, or chain tendency to skip off gear, sprocket or derailed pulleys.

Clean the chain periodically and apply special chain lube. Do not use any automotive oil, vaselines or any similar products as they quickly help to cluster dust, sand, soil, etc.

There are products specifically designed for chain maintenance. Contact a mechanic or bicycle shop for details on chain care.

GEARSHIFT

Over time, due to functional mechanical components and their complexity, the transmission may suffer from poor alignment or stretching of drive cables.

If you experience suspicious noise or malfunction, contact a mechanic or bicycle shop to make the necessary adjustments.

SADDLE AND SEAT POST

Check secure attachment by grabbing the saddle from both ends and try to rotate left and right, and then to move it up and down.

If the saddle is attached correctly to the seat post, you should not be able to make it budge.

Apply grease on the seat post end to avoid ceasing into the frame.

FORK

To check proper operation, lock the front wheel by pulling the front brake lever and compress and decompress the fork for a few times by pushing down the handlebar with your body weight.

During this process the fork should not generate noise and compress and decompress easily.

If you experience suspicious noise or malfunction, contact a mechanic or bicycle shop for inspection and repairs.

HEADSET

Inspect proper operation of headset by holding the front brake on, and gently rock the bicycle back and forth; if your headset is lose you will feel a knocking through the handlebar coming from the lower headset cup.

Lift the front of your bicycle off the ground and check if wheel flops from side to side without your hands on the handlebar; if the steering is slow or does not move from side to side is means your headset is too tight.

If you suspect any malfunction of the headset, contact a mechanic or bicycle shop for inspection and repairs.

LIGHT SYSTEM

Check the light system for proper operation and fix urgently any problem. The light system is one of the most important elements for your safety in traffic and must be maintained in perfect working order.

If you identify any malfunction of the light system, contact a mechanic or bicycle shop for inspection and repairs.

BOLT-ON CONNECTIONS | QUICKCLAMPS | PARTS and ACCESSORIES

The bolts and nuts on your bicycle must be checked for tight fit at regular intervals. If these elements are tightened too far, they may break or damage the threaded parts. If not tightened enough they can become loose. Both cases risk accidents, crashes or material damages.

Depending on the bicycle model, quick clamps can secure the wheel hubs, the folding mechanisms in case of folding bicycles, or seat posts. These quick clamps ensure removal of wheels or adjustment of seat post height, quickly and without specific tools.

Check that all clips and clamps are secured properly before use.

The stem should be positioned on the same axis as the front wheel and the handlebar must be parallel with the font hub. The stem and handlebar should never rotate free of the front wheel or up and down. To check secure attachment grab the wheel between your knees and try to rotate the handlebar left or right. If you cannot succeed, the stem and handlebar are properly secured.

Components fitted on handlebar such as brake levers, shifters or grips must not move freely or rotate by hand.

If you do not have the experience or tools required please contact a mechanic or bicycle shop for assistance.

TORQUE SPECIFICATIONS

Components	Tightening torque
Front motor nuts	50 Nm
Rear hub nuts	25-30 Nm
Front hub nuts	25-30 Nm
Rear motor nuts	50 Nm
Pedal arm (alloy)	30 Nm
Pedal Arm (steel)	30-35 Nm
Pedals	30-35 Nm
Handlebar clamp block screw (M6)	10-14 Nm
Handlebar clamp block screw (4xM5)	6 Nm
Angle adjustment screw	18-30 Nm
Clamp screw stem fork shaft clamp	15 Nm
Handlebar bracket attachment	20 Nm
Brake pads	5-7 Nm
Seat post clamping ring	8-12 Nm
Saddle clamp	18-22 Nm

Other steel bolts					VA bolts A2/A4		
Metric	**5.6**	**6.8**	**8.8**	**10.9**	**50**	**70**	**80**
M3(Nm	0.7	0.9	1.2	1.7	-	-	-
M4(Nm)	1.7	2.1	2.8	4.1	-	-	-
M5(Nm)	3.4	4.3	5.5	8.1	1.7	3.5	4.7
M6 (Nm)	5.9	7.3	9.6	14	3	6	8
M8 (Nm)	14.3	17.8	23	34	7.1	16	22

MAINTENANCE PLAN

The work listed in the maintenance plan include, where required, cleaning, lubrication and setting of the part or replacement of affected component by wear or damage.

Further information on the maintenance work can be found in the previous chapter.

We recommend having a mechanic or bicycle shop perform all works needed, to ensure proper operation and safety. Parts maintenance and replacement require experience and specific tools.

Component	Commissioning	500 Km or 6 Months	1000 Km or 12 Months	Every 1000 Km or 12 Months
Tyres	x	●	●	●
Wheel / Rim	●	●	●	●
Spokes	x	●	●	●
Brake system	x	●	●	●
Lighting / reflectors	x	●	●	●
Handlebar / stem	●	●	●	●
Steering head bearing	x	●	●	●
Saddle / seat post	●	●	●	●
Frame	x	●	●	●
Fork	x	●	●	●
Gearshift	●	●	●	●
Chain	x	●	●	●
Bottom bracket / Pedals	x	●	●	●
Sprocket set	x	●	●	●
Other parts / accessories	x	●	●	●
Lights system	x	●	●	●
Screw connector /quick clamp	●	**Before every ride!**		

MAINTENANCE PLAN

Warranty may be refused in case of damage caused by noncompliance with the maintenance plan and corresponding maintenance work, improper use, structural modifications or use of components other than iniatially fitted or non-compliant.

The following maintenance work has been performed according to the interval of the maintenance plan and the maintenance work description::

MAINTENANCE	MAINTENANCE	MAINTENANCE	MAINTENANCE	MAINTENANCE
Date: _____ No. of Kilometres: _____ Stamp/ Signature	Date: _____ No. of Kilometres: _____ Stamp/ Signature	Date: _____ No. of Kilometres: _____ Stamp/ Signature	Date: _____ No. of Kilometres: _____ Stamp/ Signature	Date: _____ No. of Kilometres: _____ Stamp/ Signature
MAINTENANCE	**MAINTENANCE**	**MAINTENANCE**	**MAINTENANCE**	**MAINTENANCE**
Date: _____ No. of Kilometres: _____ Stamp/ Signature	Date: _____ No. of Kilometres: _____ Stamp/ Signature	Date: _____ No. of Kilometres: _____ Stamp/ Signature	Date: _____ No. of Kilometres: _____ Stamp/ Signature	Date: _____ No. of Kilometres: _____ Stamp/ Signature

DISPOSING OF THE E-BIKE

DISPOSING OF THE EBIKE (WITHOUT RECHARGEABLE BATTERY)

The ebike is not considered domestic waste at the end of its service life. Instead, it must be delivered to dropoff points for recycling of electrical and electronic devices.

The rechargeable battery must be removed and disposed of separately.

The materials are reusable according to their marking. Reuse, recycling or other forms of use of old devices is an important contribution to the protection of the environment.

Ask your city administration about the disposal requirments relevant for you.

DISPOSING OF THE RECHARGEABLE BATTERY

Rechargeable batteries must be dispossed off according to the law. As consumer you are obligated to return used and used rechargeable batteries.

Ask your city administration about the disposal requirments relevant for you

PACKAGE RECYCLING

The packaging material can be partially reused. Dispose of the packaging environmentally compatible and deliver it to recycling points. Dispose of it at a public collection point.

Ask your town/municipal administration about the disposal office relevant for you.