

USER MANUAL – EN
DHS EBIKES

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SAFETY INSTRUCTIONS

- Please read all instructions and warning in the manual carefully.
- Always wear proper protection equipment and helmet.
- Always follow local laws and regulations when driving on public roads.
- Bike owner is responsible for proper use.
- Regularly check brakes, nuts and screws.
- The product can be used by one person at the time. Do not transport heavy and/or mass among of items, you can lose control of the bike.
- Do not ride during reduced visibility.
- Always use both hands when riding the bike.
- Ride carefully on wet roads or during rain.
- For adults only.
- Do not modify the product. Use only approved accessories.
- Do not push or pull the bike by car.
- Always wear proper clothes, do not wear loose clothes it can get stuck in moving parts. Keep your limbs away from moving parts.
- During charging, the battery temperature can rise. Do not cover the battery during charging. Do not place flammable objects near battery during charging.
- If the battery is charging longer than usual, stop charging the battery immediately. In case of fluid leakage, deformation or unusual odor, disconnect the charger from the socket.
- People with reduced physical, mental or sensory abilities or children cannot use this product unless they are supervised by adults and responsible persons.
- Do not try to recharge batteries that are not intended for recharging.
- Any modification of the maximum speed may damage the product and endanger the user and his surroundings. Any failure caused by any unauthorized modification is not covered by the warranty.
- **Meets standard:** EN ISO 4210-2, EN 15194
- **Maximum weight limit:** 150 kg (including accessories)
- **Maximum speed:** 25 km/h

BIKE TYPES

TREKKING / CITY / CROSS / FOLDING BIKES

These bikes are made for public and paved roads. Bike components need regular maintenance by users and by professional service if needed. These bikes are not constructed for off-road and/or professional use and towing.

MOUNTAIN / MTB

These wheels are made for tracks in forests, gravel and light off-road terrain. Components need regular maintenance by users and by professional service if needed. These bikes are not constructed for downhill, heavy off-road and/or professional use and towing.

According to the model, the motor is located in the front (wheel), center (pedal) or rear (wheel) and the batteries are located on the carriers, the downtube or integrated into the downtube.

The display may be with LED or LCD. For some models, you can also use a smart phone.

BATTERIES TYPE

CARRIER

	<p>Model: DEVRON ELECTRIC</p> <p>Voltage: 36 V</p> <p>Capacity: 8.8 Ah/11 Ah/14,5 Ah</p> <p>BMS: Standard/Smart</p> <p>Size without docking (mm): 368x148x62</p> <p>Charging cycle: approx. 1000@100%</p> <p>Weight: < 3,2 kg</p>
	<p>Model: WALLES-S</p> <p>Voltage: 36 V</p> <p>Capacity: 16 Ah/13 Ah/14 Ah</p> <p>BMS: Standard /Smart</p> <p>Size without docking (mm): 375x150x64,5</p> <p>Charging cycle: approx. 1000@100%</p> <p>Weight: < 4,5 kg</p>
	<p>Model: TT15</p> <p>Voltage: 36 V</p> <p>Capacity: 8,8 Ah/11,6 Ah</p> <p>BMS: Standard /Smart</p> <p>Size without docking (mm): 408x123x70</p> <p>Charging cycle: approx. 1000@100%</p> <p>Weight:< 3,2 kg</p>

	<p>Model: BT C01.340.UART</p> <p>Voltage: 36 V</p> <p>Capacity: 14 Ah</p> <p>BMS: Standard /Smart</p> <p>Size without docking (mm): 408x123x70</p> <p>Charging cycle: approx. 1000@100%</p> <p>Weight: 3 kg</p>
	<p>Model: Shimano BT E-6000</p> <p>Voltage: 36 V</p> <p>Capacity: 11,6 Ah</p> <p>BMS: Standard /Smart</p> <p>Size without docking (mm): /</p> <p>Charging cycle: approx. 1000@100%</p> <p>Weight: 2,55 kg</p>

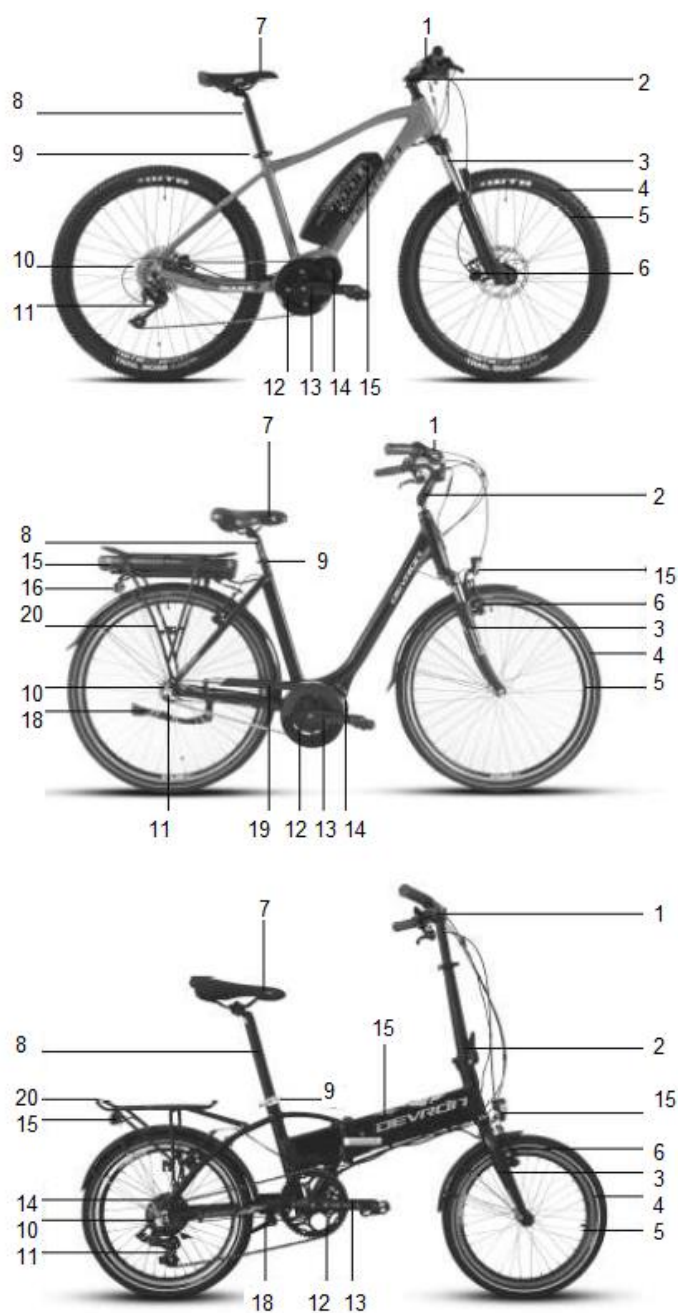
DOWNTUBE

	<p>Model: Shimano BT E-6000 DT</p> <p>Voltage: 36 V</p> <p>Capacity: 11,6 Ah (418 Wh)</p> <p>BMS: Smart</p> <p>Size without docking (mm): /</p> <p>Charging cycle: approx. 1000@100%</p> <p>Weight: 2,6 kg</p>
	<p>Model: SF-06S</p> <p>Voltage: 36 V</p> <p>Capacity: 11,6 Ah/14 Ah</p> <p>BMS: Standard/Smart</p> <p>Size without docking (mm): 269,5x85x94</p> <p>Charging cycle: approx. 1000@100%</p> <p>Weight: 2,9 kg</p>
	<p>Model: DT-09</p> <p>Voltage: 36 V</p> <p>Capacity: 11 Ah/14,5 Ah</p> <p>BMS: Standard/Smart</p> <p>Size without docking (mm): 350x88x105</p> <p>Charging cycle: approx. 1000@100%</p> <p>Weight: < 3,3 kg</p>

INTEGRATED

	<p>Model: DT-09</p> <p>Voltage: 36 V</p> <p>Capacity: 11 Ah/14,5 Ah</p> <p>BMS: Standard /Smart</p> <p>Size without docking (mm): 350x88x105</p> <p>Charging cycle: approx. 1000@100%</p> <p>Weight: < 3,3 kg</p>
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DESCRIPTION



1.	Handlebars with control panel (display), brakes, shifter
2.	Stem (fixed, adjustable or foldable)
3.	Fork (with suspension or fixed depending on model)
4.	Tire
5.	Wheel
6.	Brakes (v-brake, disc or hydraulic depending on model)
7.	Seat
8.	Seat post
9.	Quick release mechanism for saddle height adjustment (lever or nut)
10.	Cassette (type depending on model)
11.	Rear derailleur / front derailleur / hub gear
12.	Single, double or triple chainwheel (depending on model)
13.	Crankarm and pedal
14.	Bike motor (front wheel, rear wheel)
15.	Battery (carrier, downtube or integrated)
16.	Lights, reflectors
17.	Folding mechanism (depending on model)
18.	Stojan (depending on model)
19.	Chainguard
20.	Carrier

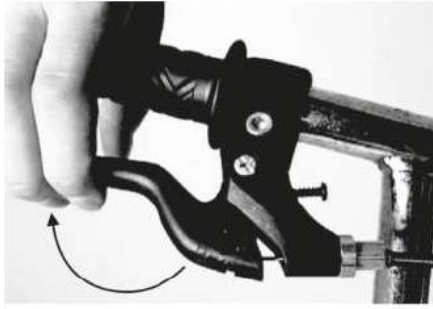
BEFORE USE

The bike is not assembled for transport purposes. Depending on the model, some parts need to be assembled or all the screws need not be tightened. Unless your supplier specified otherwise, your bicycle will require the following modifications:

- Remove any packaging and protective material. (bags, foils, plastic caps, etc.)
- Recharge fully the battery before use.
- Check the brake condition.
- Handles and head pipe require adjustment and tightening.
- Set the desired seat height.
- Adjust the light position.
- Fit and secure the pedals.
- Check the wheel pressure.

BRAKE 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 move away from the rim surface. The space between the brake pads and rim should be equal on both sides. The brake pads and rim braking surface should be regularly checked for sign of wear.

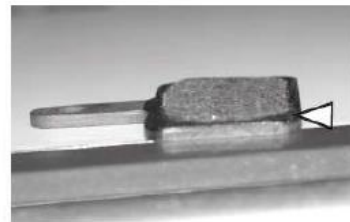
To inspect the brake pads, slide back the cable protector and press inwards on both brakes to pull out the "J" guide from the clamp. In this moment the brake coils should push both brakes outward showing the brake pads surface. Brake pads have wear indicators carved on the brake surface. If these carvings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



Pic.3



Pic.4



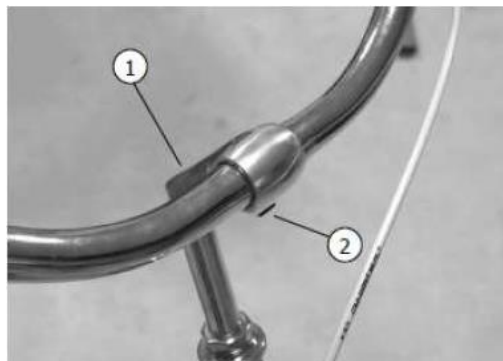
Pic.5

HANDLEBAR, STEM

Handlebar adjustment

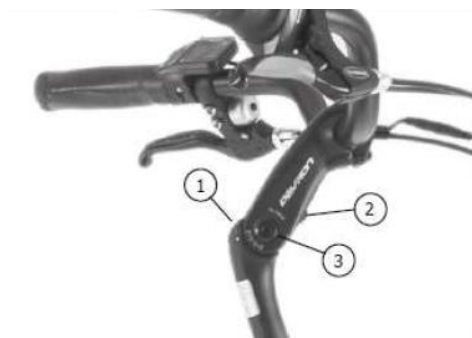
Loosen the screw no. 1 and adjust the height and position of the stem.

Then tighten the screw. Loosen the screw no. 2 and adjust the angle. Then tighten the screw.



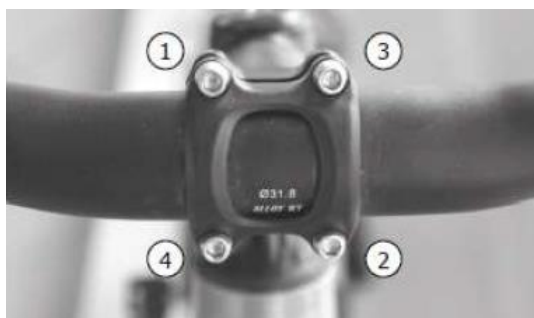
Stem adjustment

Loosen screw no. 1 and adjust the height and position of the stem. Then tighten the screw. Loosen the screw no. 2 until blocking plate becomes loose from the grooves. The loose screw no. 3. Setup the stem angle and then tighten screws no. 2 and no. 3.



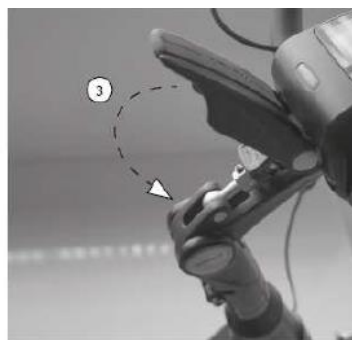
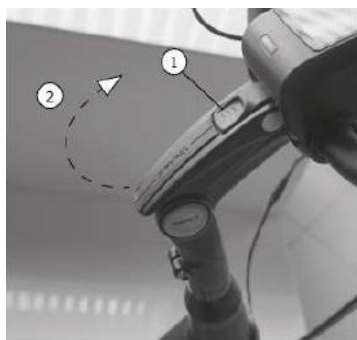
Handlebar tilt

Loosen all the bolts and adjust the handlebar angle. Then screw the screws as shown in the picture from 1 to 4.



Stem with clamp adjusting

Press knob no. 1 and lift the cap up (2) and adjust the angle of the stem. Then cover the mechanism again with the cap (3).



Folding mechanism

To fold the handlebars, press the knob no. 1 to release the clamp, and then slide the clamp down (2) to fold the handlebars (3). To adjust the handlebar height, release the quick-release buckle (4) and adjust the handlebars to the desired height.



SEAT ADJUSTMENT

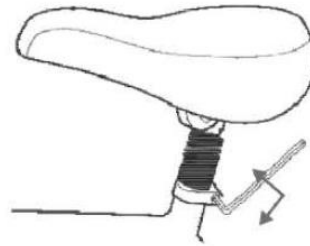
Maximum weight should not exceed 150 kg. Person using the bike must be able to maintain balance, control the bike, direction, speed and braking.

Seat height

Seat height means the distance between the top surface of the saddle and pedal in 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 adjust the saddle height, loosen the bolts (Pic.2) or release the quick release mechanism.

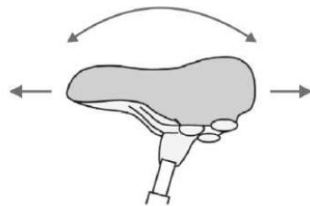


Pic. 1

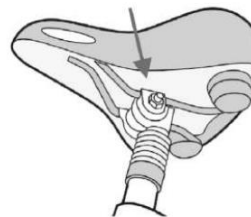


Pic. 2

You can also adjust the seat angle (Pic. 3). Loosen all bolts with allen key under the seat (Pic. 4). Adjust the angle and tighten all bolts.



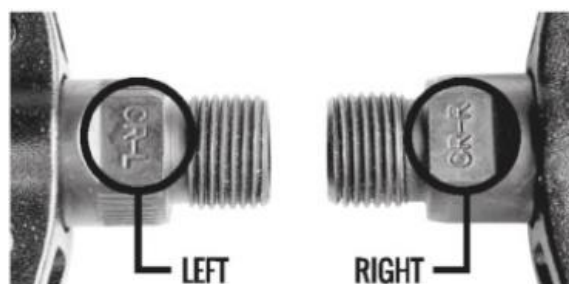
Pic. 3



Pic. 4

PEDALS ADJUSTMENT

Pedals are marked L (left) and R (right) on each crank. Before fixing the pedals to cranks use small amount of lubrication.



Fix the left pedal. Screw the pedal counterclockwise. Secure pedals tightly.



Fix the right pedal. Screw the pedal clockwise. Secure the pedals tightly.



LIGHTS

Front and rear light is power by battery. Always use lights for your safety. If the battery is drained the lights will work for additional one hour.

For light control use one of the following buttons:



If the lights are not connected, these buttons control backlight.

WHEELS

Maximum weight should not exceed 150 kg. Person using the bike must be able to maintain balance, control the bike, direction, speed and braking.

Wheel description:

- Hub
- Cassette (rear wheel)
- Brakes (depending on model)
- Spokes and valve
- Rim
- Tire
- Tire tube
- Rim sticker

Wheel size:

26"– Rim diameter 559 mm + tire

27,5"– Rim diameter 584 mm + tire

29"– Rim diameter 622 mm + tire

Rims

Keep the rims clean. If there is grease on the rims, clean it immediately. Regularly check the rims for sign of wear. If necessary, replace them.

Pic.1



Pic.2



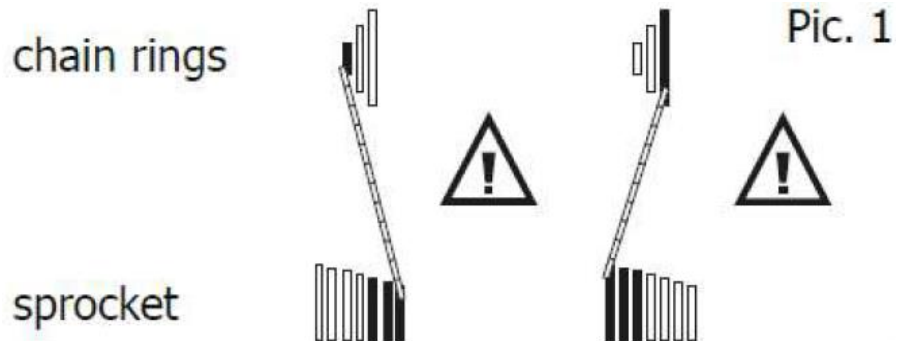
Tires/tire tubes

Valve must face inside the wheel. Regularly check tire pressure. The values are written on the side of the tire or tire tubes. Contact your local dealer or authorized service for help.

SHIFTER

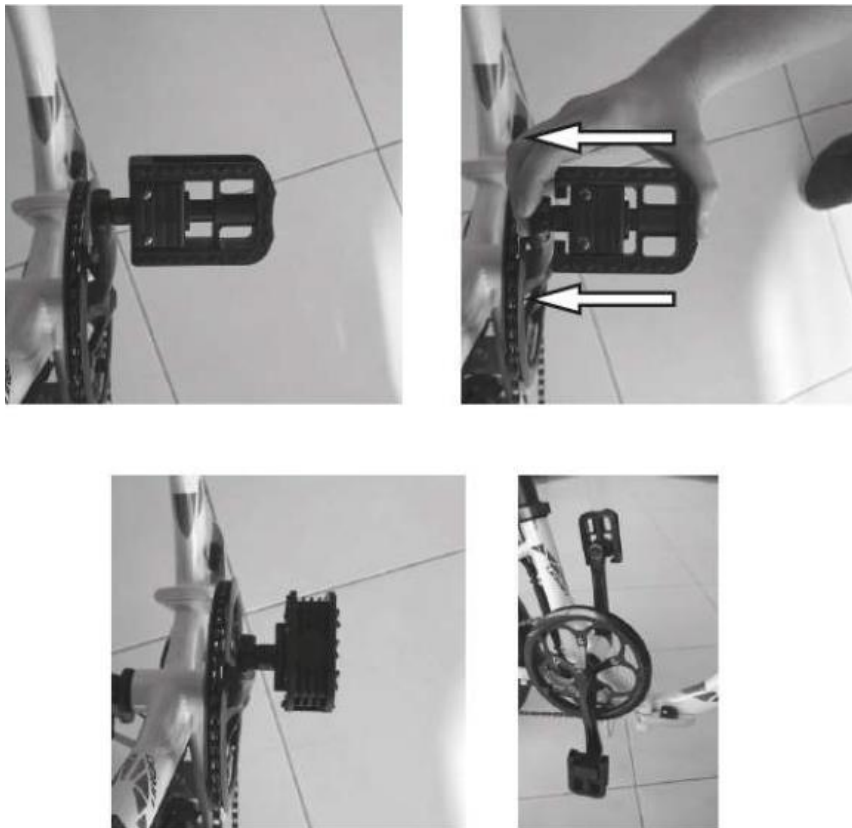
Operating shifter moves the chain on cassette and chainring.

It is not recommended to use largest chainring with largest ring on cassette or the smallest chainring with smallest ring on cassette



E-BIKE FOLDING

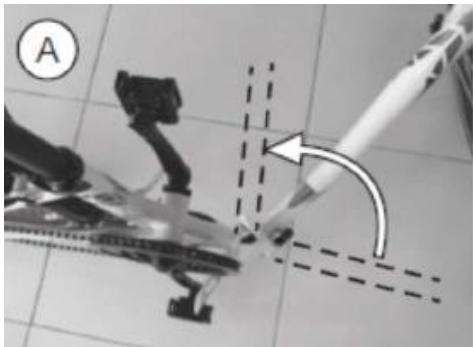
Fold the pedals by pushing the pedals towards the chainwheel.



Release the quick release clamp and open it.



- A. Fold the frame to 90° degree position from unfolded position.
- B. Lower the handlebars to lowest position.
- C. Open the quick release clam and remove the safety pin.
- D. Finish the folding.



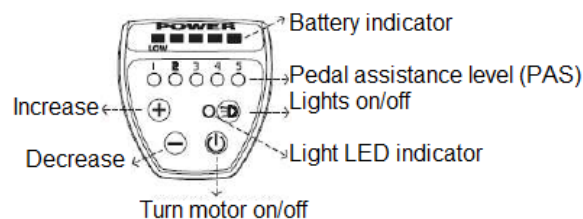
CONTROL PANEL / DISPLAY

DP E06 LED CONTROL PANEL



LED control panel controls motor and is placed on left side of the handlebars.

BUTTON DESCRIPTION



FUNCTION

2.1 Turn on/off

- Hold the button for two seconds to turn on / off the battery.
- Battery will turn off if not used for 5 min.

2.2 Pedal assistance level (PAS)

- The assistance will start at lowest level 0 when turning on the assistance.
- You can adjust the level with + and – buttons. The LED indicator will display current assistance level. If no indicator is lit, this indicates that the assistance level is 0 and the motor is not active. E-bike will function as a regular bicycle. Assistance starts from 1 to 5.

2.3 Lights

- When the battery is turned on, holding the button for 2 seconds to turn on/off the front/rear light.

2.4 Walk assistance

- Press and hold – button. Assistance will turn off when you release the button.
- This feature keeps the bike speed at 6 km/h without pedaling. It is necessary to keep the bike in balance. **Only use the function when walking on foot.**

2.5 Battery level

- The battery is fully charged if all the LED indicators are light up. LED indicators fade off when the battery is in use.

DP E12 LED CONTROL PANEL



LED control panel controls motor and is placed on left side of the handlebars.

BUTTON DESCRIPTION



FUNCTION


2.1 Turn on/off

- Hold the button for two seconds to turn on / off the battery.
- Battery will turn off if not used for 5 min.


2.2 Pedal assistance level (PAS)

- You can adjust the level with + and – buttons. The LED indicator will display current assistance level. If no indicator is lit, this indicates that the assistance level is 0 and the motor is not active. E-bike will function as a regular bicycle. Assistance starts from 1 to 5.

2.3 Lights

- When the control panel is on, hold  button for 2 seconds to turn on/off the front and rear light.

2.4 Walk assistance

- Press and hold  button. Assistance will turn off when you release the button.
- This feature keeps the bike speed at 6 km/h without pedaling. It is necessary to keep the bike in balance. **Only use the function when walking on foot.**

2.5 Bluetooth

- You can connect your smartphone with control panel through BEFANG GO app (available on Google play) to collect your riding information.
- Control panel is equipped with charging port.

2.6 Battery level

- The battery is fully charged if all the LED indicators are light up. LED indicators fade off when the battery is in use.

KD59E LED CONTROL PANEL




LED control panel controls motor and is placed on left side of the handlebars.

BUTTON DESCRIPTION



FUNCTION

2.1 Turn on/off

- Hold the  button for two seconds to turn on / off the battery.
- Battery will turn off if not used for 5 min.

2.2 Pedal assistance level (PAS)

- The assistance will start at lowest level 1 when turning on the assistance.
- You can adjust the level with + and – buttons. The LED indicator will display current assistance level. If no indicator is lit, this indicates that the assistance level is 0 and the motor is not active. E-bike will function as a regular bicycle. Assistance starts from 1 to 5.

2.3 Lights

- When the battery is turned on, holding the + button for 2 seconds to turn on/off the front/rear light.

2.4 Walk assistance

- Press and hold – button. Assistance will turn off when you release the button.
- This feature keeps the bike speed at 6 km/h without pedaling. It is necessary to keep the bike in balance. **Only use the function when walking on foot.**

2.5 Battery level

- The battery is fully charged if all the LED indicators are light up. LED indicators fade off when the battery is in use.

DP C10 LCD CONTROL PANEL



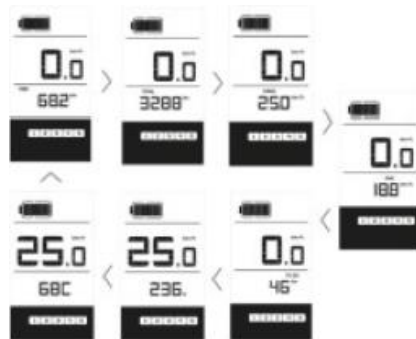
LED control panel is placed on left side of the handlebars, the display is in the middle.

BUTTON DESCRIPTION



2.1 D – Turn on/off: Hold the button for two seconds to turn on / off the battery. Battery will turn off if not used for 5 min.

2.2 E – Toggle between display modes: With this button you can toggle between distance and speed modes. The modes are displayed in this order: Current distance (TRIP km), total distance (TOTAL km), maximal speed (MAX speed), how long distance can be traveled (RANGE) and energy consumption (C).



2.3 A / B – Pedal assistance level (PAS): With + (increase) and – (decrease) buttons you can adjust the value. LED indicator display current value. If no indicator is lit, this indicates that the assistance level is 0 and the motor is not active. E-bike will function as a regular bicycle. Assistance starts from 1 to 5.



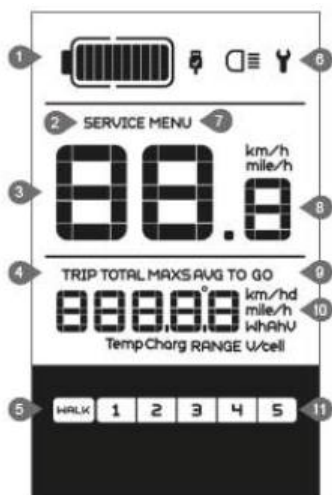
2.4 C – Light: When you turn on the control panel, hold the + button for 2 seconds to turn on/off the front and rear light. The light and backlight should automatically turn on in dark/dusk. If you turn off the lights and backlight manually you must turn it on manually.

2.5 Walk assistance

- Press and hold B button. Assistance will turn off when you release the button.
- This feature keeps the bike speed at 6 km/h without pedaling. It is necessary to keep the bike in balance. **Only use the function when walking on foot.**

3. LCD DISPLAY

LCD display is situated in the middle of the handlebars.



1. Battery status
2. Maintenance
3. Headlight indicator
4. Distance mode
5. Walk assist
6. Malfunction
7. Menu
8. Speed display
9. Speed model
10. Range
11. Assistance level

3.1 DISPLAY MESSAGES

1. **Battery indicator:** If all segments are visible the battery is fully charged. The segments will gradually fade off when you use the battery.



10 segments	90 % - full capacity
9 segments	80 % - 90 % capacity
8 segments	70 % - 80 % capacity
7 segments	60 % - 70 % capacity
6 segments	50 % - 60 % capacity

5 segments	45 % - 50 % capacity
4 segments	35 % - 45 % capacity
3 segments	25 % - 35 % capacity
2 segments	15 % - 25 % capacity
1 segment	5 % - 15 % capacity
Only frame	under 5 % capacity

2. **Maintenance warning:** the warning is displayed depending on the number of battery charge cycles and the distance traveled. The system automatically determines the battery life and warns when the battery charge cycles are exceeded. A warning is also displayed if the engine has traveled a distance greater than the engine's life expectancy.
3. **Light indicator:** shows up only when the light is on.
4. **Distance traveled:** shows maximum speed (MAX), average speed (AVG), current distance traveled (TRIP), total distance traveled (TOTAL), remaining distance (TO GO), power (W), energy consumption (C).
5. **Walking assistance:** If the assistance is turned on the indicator will light up.
6. **Error:** Indicator will light up if error is detected. Contact your dealer or authorized service.
7. **Menu**
8. **Speed:** Shows current speed in km/h or mph. Depend on user setting.
9. **Shows km/h or mph.**
10. **Show distance that is possible to travel depending on actual battery level and assistance level**
11. **Pedal assistance level:** LED indicator shows current level. If no indicator is lit, this indicates that the assistance level is 0 and the motor is not active. E-bike will function as a regular bicycle. Assistance starts from 1 to 5.

The LCD display can charge your smart phone. If the display is off, connect your smartphone with the USB port and turn on the display. If the display is on, just connect the phone via the USB port. The maximum voltage is 0.5 A.

ERRORS – If any error message is displayed, you must consult your dealer or an authorized service.

NO.	DESCRIPTION	SOLUTION
07	Voltage problems	Check battery voltage
08	Motor cable signal error	Check the engine module
09	Motor phase cable error	Check the engine module
11	Temperature controller sensor fault	Check the driver
12	Current sensor failure	Check the driver
13	High battery temperature	Check the battery
14	High engine temperature	Check the motor
21	Speed sensor error	Check the position of the speed sensor
22	BMS error	Replace the battery
30	Communication error	Check the driver connection

The displayed values may vary depending on the model.

DP C07 CLD CONTROL PANEL



LED control panel is placed on left side of the handlebars, the display is in the middle.

BUTTON DESCRIPTION



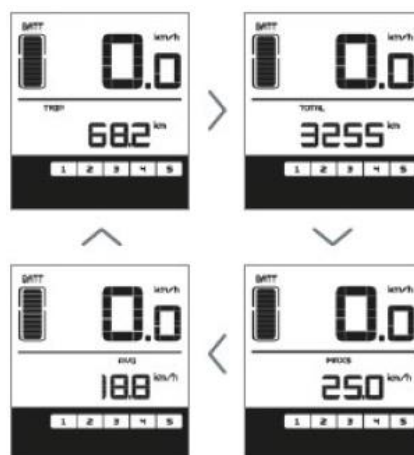
- A. Increase pedal assistance level (PAS)
- B. Decrease pedal assistance level (PAS)
- C. Lights turn on / off
- D. System turn on / off
- E. Other function

1.1 System turn on / off

Hold the D button for 2 seconds to turn on / off. The motor will automatically shut down if not used for 5 min.

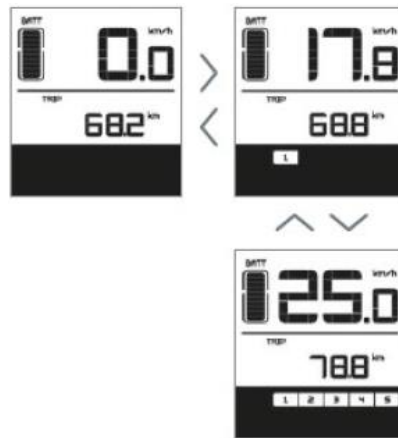
1.2 Switch function display

Press the E button to switch between distance and speed display. The LCD display shows the current distance (TRIP km), total distance (TOTAL km), maximum speed (MAX speed), remaining distance (RANGE), power consumption (C).



1.3 Pedal assistance level (PAS)

You can adjust the PAS by pressing A and B buttons. LED indicator shows current value. If no indicator is lit, this indicates that the assistance level is 0 and the motor is not active. E-bike will function as a regular bicycle. Assistance starts from 1 to 5.



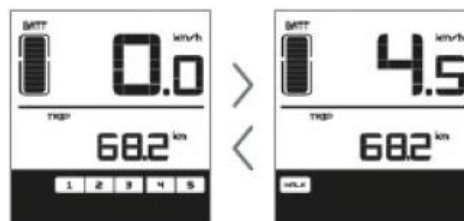
1.4 Lights and backlight

If the display is on, hold the C button for 2 seconds to turn off the lights and backlight. Lights and backlighting should turn on automatically when in dark. If you turn the backlight off manually, you need to turn it back on manually.

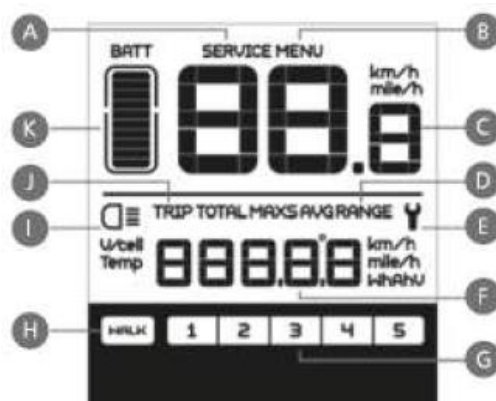


1.5 Walking assistance

- Hold the B button to start. Assistance will turn off if you release the button.
- This function keeps the bike speed at 6 km / h without pedaling. It is necessary to keep the bike in balance. **Use the function only if you are not sitting on the bike.**



2. LCD display



LCD display is in the middle of the handlebar and display various values.

- A. Maintenance warning:** the warning is displayed depending on the number of battery charge cycles and the distance traveled. The system automatically determines the battery life and warns when the battery charge cycles are exceeded. A warning is also displayed if the engine has traveled a distance greater than the engine's life expectancy.
- B. Shows menu**
- C. Speed:** Display current speed in km/h or mph, depending on user setting.
- D. Shows average speed AVG and maximum speed MAXS.**
- E. Error:** Indicator will light up if error is detected. Contact your dealer or authorized service.
- F. Show distance that is possible to travel depending on actual battery level and assistance level**
- G. Pedal assistance level (PAS):** LED indicator shows current level. If no indicator is lit, this indicates that the assistance level is 0 and the motor is not active. E-bike will function as a regular bicycle. Assistance starts from 1 to 5.

The LCD display can charge your smart phone. If the display is off, connect your smartphone with the USB port and turn on the display. If the display is on, just connect the phone via the USB port. The maximum voltage is 0.5 A.

- H. Walking assistance:** If the assistance is turned on the **WALK** indicator will light up.
- I. Light indicator:** shows up only when the light is on.
- J. Distance traveled:** Current TRIP and total TOTAL
- K. Battery indicator:** If all segments are visible the battery is fully charged. The segments will gradually fade off when you use the battery.



10 segments	90 % - full capacity
9 segments	80 % - 90 % capacity
8 segments	70 % - 80 % capacity
7 segments	60 % - 70 % capacity
6 segments	50 % - 60 % capacity
5 segments	45 % - 50 % capacity
4 segments	35 % - 45 % capacity
3 segments	25 % - 35 % capacity

2 segments	15 % - 25 % capacity
1 segment	5 % - 15 % capacity
Only frame	under 5 % capacity

ERRORS – If any error message is displayed, you must consult your dealer or an authorized service.

NO.	DESCRIPTION	SOLUTION
07	Voltage problems	Check battery voltage
08	Motor cable signal error	Check the engine module
09	Motor phase cable error	Check the engine module
11	Temperature controller sensor fault	Check the driver
12	Current sensor failure	Check the driver
13	High battery temperature	Check the battery
14	High engine temperature	Check the motor
21	Speed sensor error	Check the position of the speed sensor
22	BMS error	Replace the battery
30	Communication error	Check the driver connection

The displayed values may vary depending on the model.

KD21C LCD CONTROL PANEL



Control panel has integrated display and is located on the left side of handlebars.

1. Function description

1.1 Turning on / off

Hold the M button for 2 seconds to turn on / off. The motor will automatically shut down if not used for 10 min.

1.2 Pedal assistance level (PAS)

With + (increase) and – (decrease) buttons you can adjust the value. LED indicator shows current level. If no indicator is lit, this indicates that the assistance level is 0 and the motor is not active. E-bike will function as a regular bicycle. Assistance starts from 1 to 5.

1.3 Light and backlight

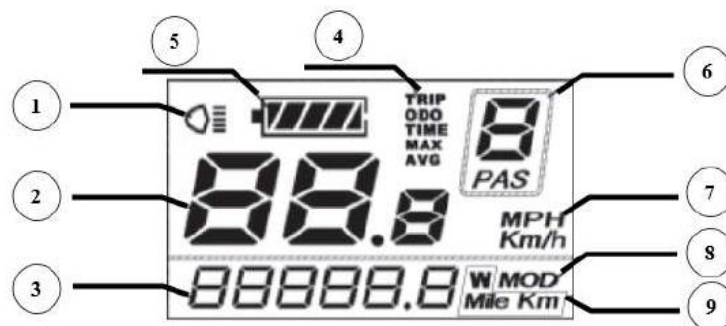
Hold the + button for 2 seconds to turn on / off the lights and backlight.

1.4 Walking assistance

Hold the - button to start. Assistance will turn off if you release the button.

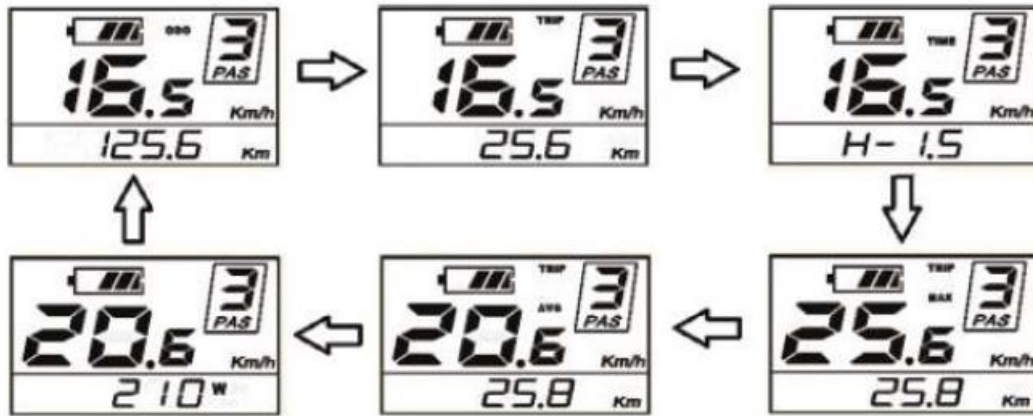
This function keeps the bike speed at 6 km / h without pedaling. It is necessary to keep the bike in balance. **Use the function only if you are not sitting on the bike.**

LCD display



1. Light indicator
2. Current speed
3. The text display, including error messages, if ERR 21 is displayed, immediately contact your supplier or authorized service.
4. Function display: when the display is on, it shows: current speed, total distance, battery level and pedal assistance level. Use the M button to toggle between: current speed (km / h)> current distance traveled (km)> usage time (hour)> maximum speed (km / h)> average speed (km / h)> engine power (W) .
5. Battery Status: When all segments are displayed, the battery is fully charged. Segments disappear gradually as the battery discharges. If all segments disappear, the battery must be recharged.

6. Pedal assistance level: The LED indicator will show the current value 0 - 5.
7. Speed units: km / h or mph
8. General settings
9. Shows range and power.



General settings

After turning on, hold + and - simultaneously for 2 seconds to enter settings.

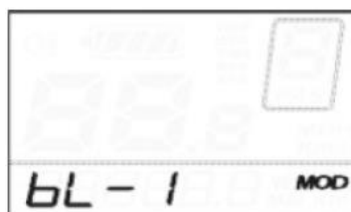
Reset current distance

- Display shows tC. Choose Y (yes) + or N (no) button -. Press the MODE (M) button to save and continue to the next setting.



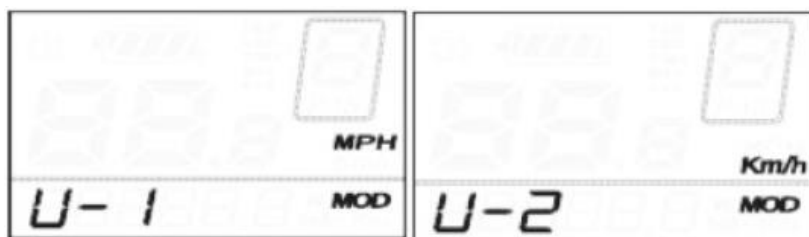
Backlight contrast

- Display shows bL. Choose 1 (min), 2 or 3 (max). Press + and - to navigate in menu. Press the MODE (M) button to save and continue to the next setting.



Display units in km / h or mph

- Choose from U. 1 = miles, 2 = kilometers. Default value is 2. Navigate with + and - button. Press the MODE (M) button to return to resetting current speed. To leave setting hold the MODE (M) button for 2 seconds.



SHIMANO STEPS SCE 6010 and SCE 6000 CONTROL PANEL



FUNCTION

- High performance shifting system. The system uses a precision sensor for an appropriate level of assistance, carefully set by the computer.
- Fully automatic shifting. Sensors detect driving conditions and automatically adjust the pedal assistance level for enjoyable riding.
- Start mode: a function that automatically shifts to a preset level as soon as you stop the bike, so you start at a lower level when starting.
- When you stop and downshift before it is automatically preset, the system will not automatically shift up.
- Walking assistance (may not be allowed in some states).
- Some features are a firmware update issue. In this case, contact your local dealer for the firmware update.

USE

- Turn on the system.
- Do not place your feet on the pedals before turning on the system. Error message may occur.
- You can not turn on the bike when charging.
- Choose pedal assistance level.
- The pedal assistance will start when you start pedaling. Change assistance depending on driving conditions.
- Switch off the engine when parking.

PEDAL ASSISTANCE LEVEL

HIGH

- Use in rough terrain and steep hills.

NORMAL

- Use in moderate terrain if you want to enjoy a relaxing ride with a slight incline.

ECO

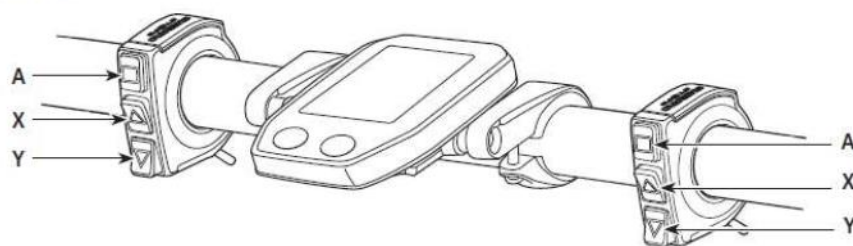
- Use in flat terrain when the riding is not difficult. Motor consume minimum amount of energy.

If the battery level is low, the pedal assistance level will be decreased, and the range will increase.

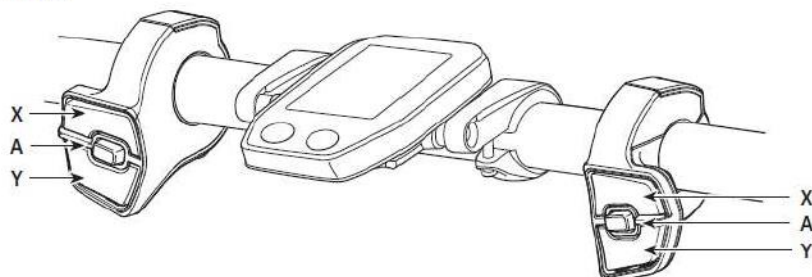
OFF mode: This mode does not provide any Pedal assistance level.

WALK assist.: This mode will help you to lead the bike (not allowed in all states)

< SW-E6000 >



< SW-E6010 >

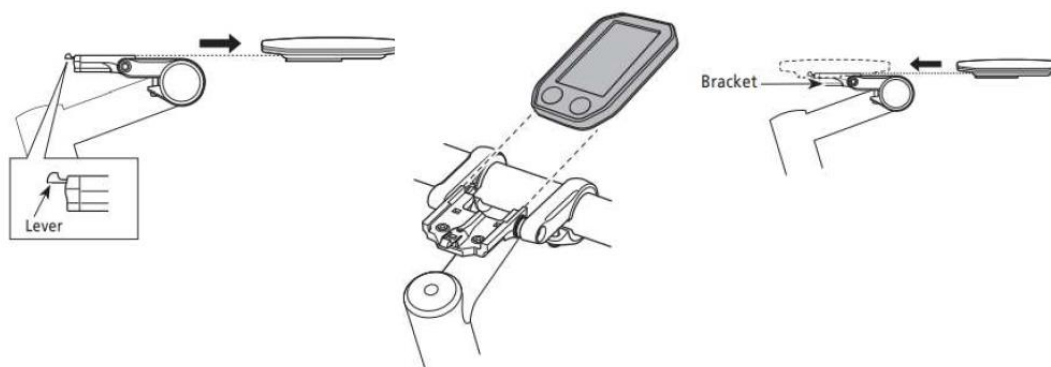


- A – Cycle through displayed information.
Change between manual and automatic gear shift
- X – When switching assist modes: the level of assistance becomes stronger
When shifting gears: pedaling becomes heavier
- Y – When switching assist modes: the level of assistance becomes weaker
When shifting gears: pedaling becomes lighter

All information here are for factory preset.

INSTALLING AND REMOVING OF DISPLAY

Slide the display into the bracket as shown. Slide the display as far as you can, you will hear click. To eject the display, press the lever on the holder and the display will release.



If the display is not properly seated, it will not work properly.

Turn on with ON / OFF button.

Automatic turn off: If the bike does not move for more than 10 minutes, the engine will automatically switch off.

Turning the engine on through the display: Hold down the power button for 2 seconds. If the display battery is not charged, it will not turn on. The battery is charged only when the display is lit.



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

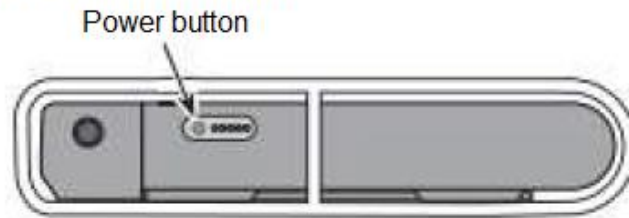
Turn on the motor using the power button on the battery. When pressed, the battery LEDs light up.

WARNING:

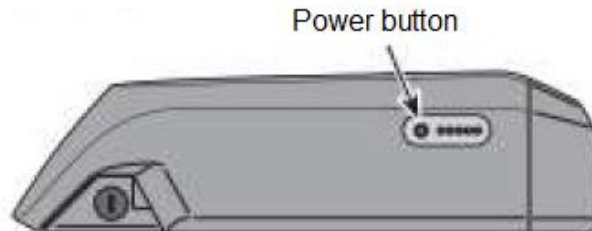
- Before turning on the battery make sure that it is properly seated.
- If you charge the battery you can not turn it on.
- When turning on the battery do not place your feet on pedals.

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

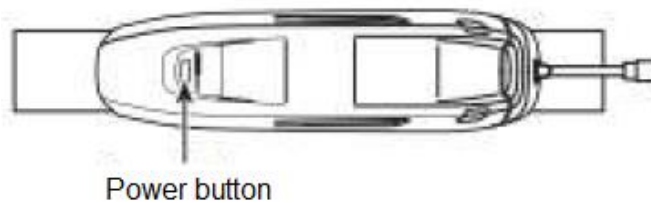
<BT-E6000 / BT-E6001>



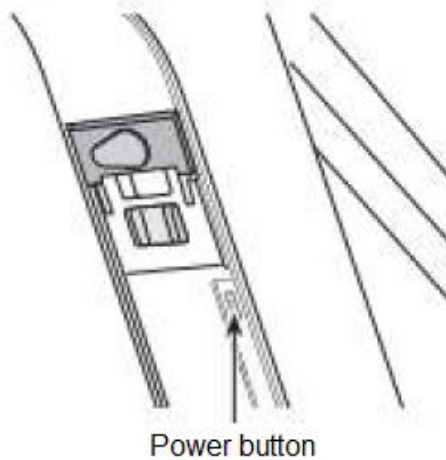
<BT-E6010>



<BT-E8010>



<BT-E8020>

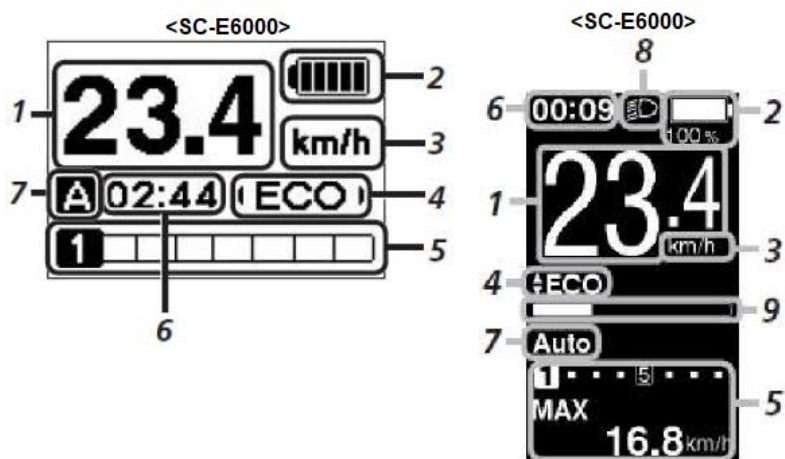


DISPLAY

Shows current information about pedal assistance level and riding

DISPLAY INFORMATION ABOUT:

1. Current speed
2. Battery level
3. Units
4. Current pedal assistance mode
5. Current shift level or information about riding – SC-E6000 for change press A.
6. Current time
7. Automatic / manual gear shift, for: SC-E6000 [A] (Auto) / [M] (Manual), SC-E6010 [Auto] / [Manual]
8. Light indicator
9. Current level of pedal assistance



BATTERY

Display current level of battery power

<SC-E6000>

<SC-E6010>

Display	Battery level	Display	Battery level
	81 % - 100 %		100 %
	61 % - 80 %		50 %
	41 % - 60 %		0 %
	21 % - 40 %		
	1 % - 20 %		
	0 %		

CHANGING THE ASSIST MODE

Displays the current assistance level

For SW-E6000, change the assistance level with Y and Z.

For SW-E6010, change the assistance level with X and Y.

Display / details

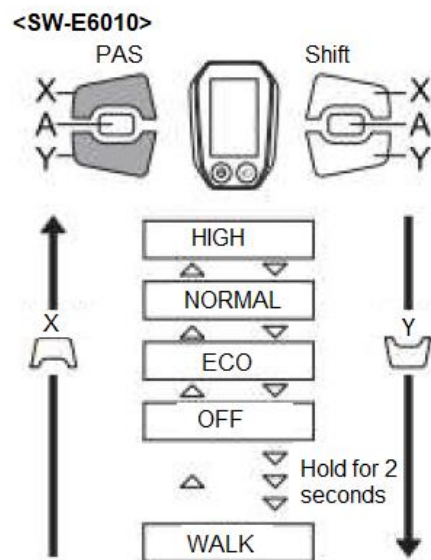
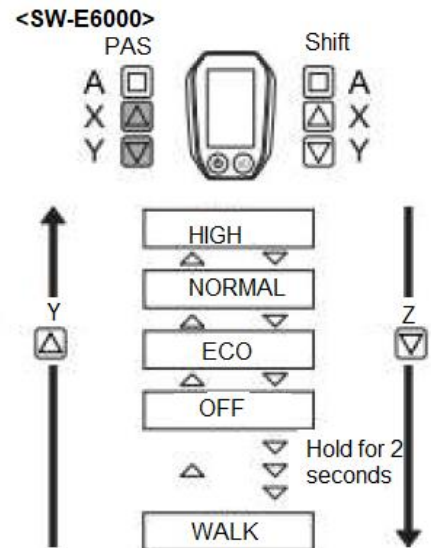
High PAS – High

Normal PAS – Normal

Low PAS – ECO

Turned off PAS – OFF

Walking assistance – Walk



WALK ASSIST MODE

This function can be prohibited in some countries

1. Press the Y button to turn [OFF].
2. Hold the Y button for 2 seconds, [WALK] will appear
3. Hold the Y button to maintain the mode.
 - When [WALK] is displayed, hold down the Y button to operate the walking assistance, release the button or press the X button to turn off the function.
 - If the Y button is not operated for more than 1 minute, it will turn [OFF].
 - If the bike walking assistance does not turn on, try restarting the function by turning it back on.
 - Speed is 6 km / h. It may vary depending on the gear shift

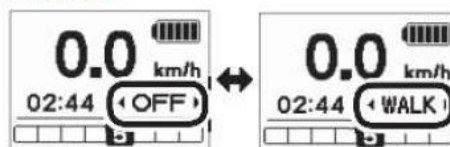
<SW-E6000>



<SW-E6010>



<SC-E6000>



<SC-E6010>



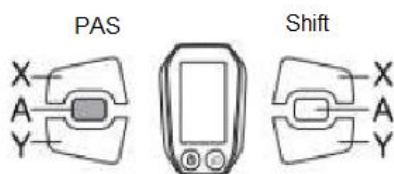
GEAR SHIFT AND DATA DISPLAY

Display current gear shift and data. Shown data will cycle by pressing the A button.

<SW-E6000>



<SW-E6010>



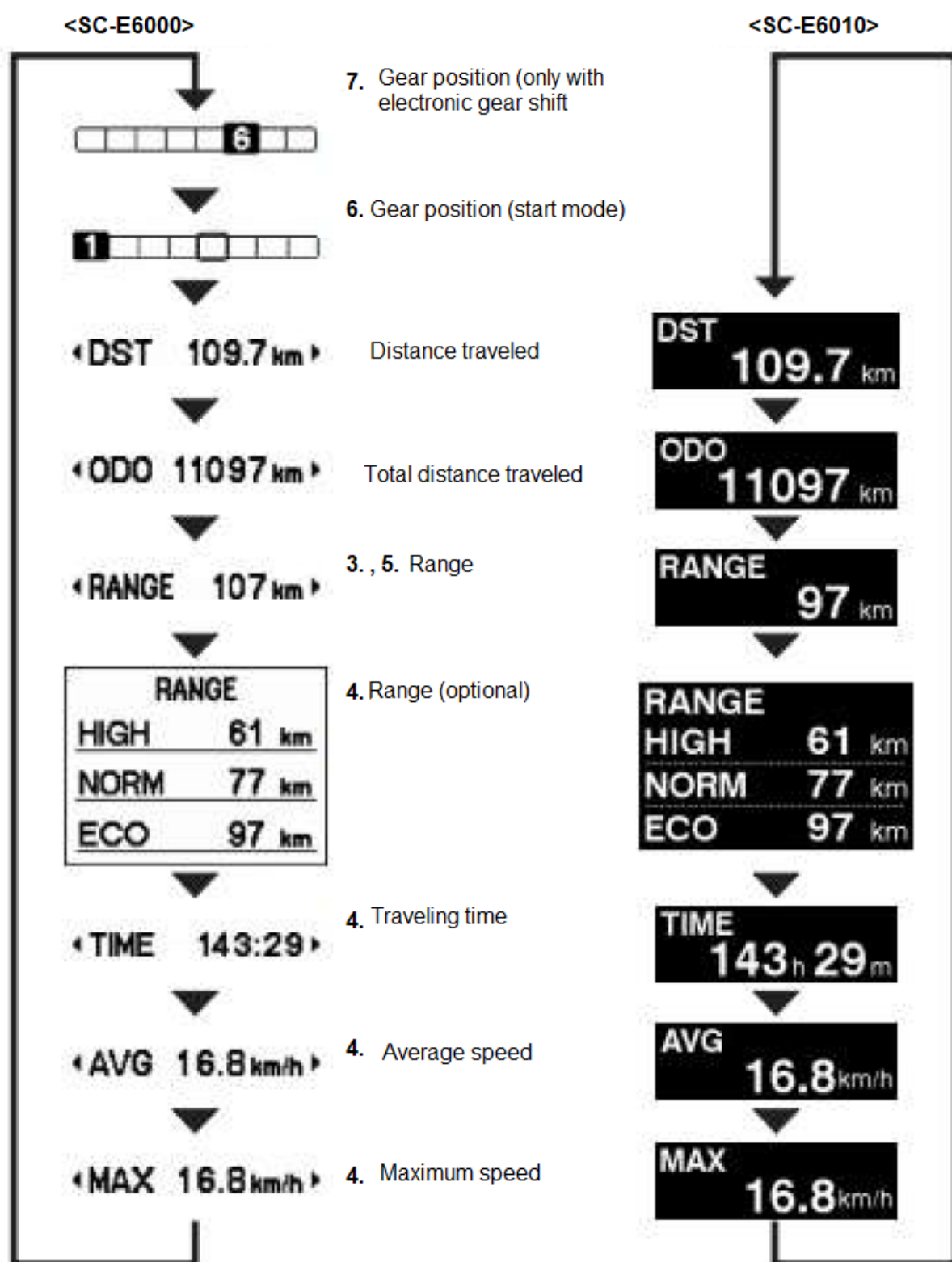
<SC-E6000>



<SC-E6010>



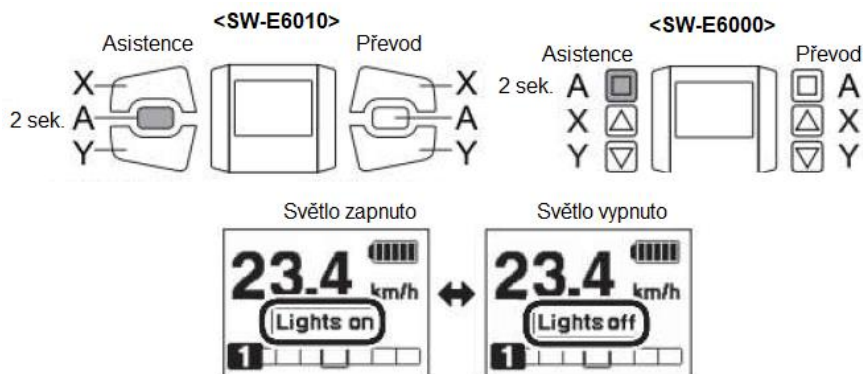
1. Gear position (Displayed if when using electronic gear shifting)
2. Gear position (Display starting gear of start mode)
3. If [RANGE] is displayed, battery level and walking assistance will not be displayed.
4. Optional: You can configure the display settings in E-TUBE PROJECT. For details, refer to the "Connection and communication with the PC" section.
5. When the walking assistance is working [RANGE---] is displayed in [RANGE] screen.
6. Start mode gear position
7. The gear is displayed only when using electronic gear shifting.



TURNING ON / OFF BATTERY POWERED LIGHTS

<SC-E6000>

If the light is connected to the battery, press the motor assist button A for 2 seconds to turn the light on / off. The light off / on notification will be displayed for 2 seconds instead of hours and assistance information.



<SC-E6010>

If the light is connected to the battery, press the light on / off button. The icon appears on the display. Press the button again to turn it off. When you turn the light off, the icon disappears.

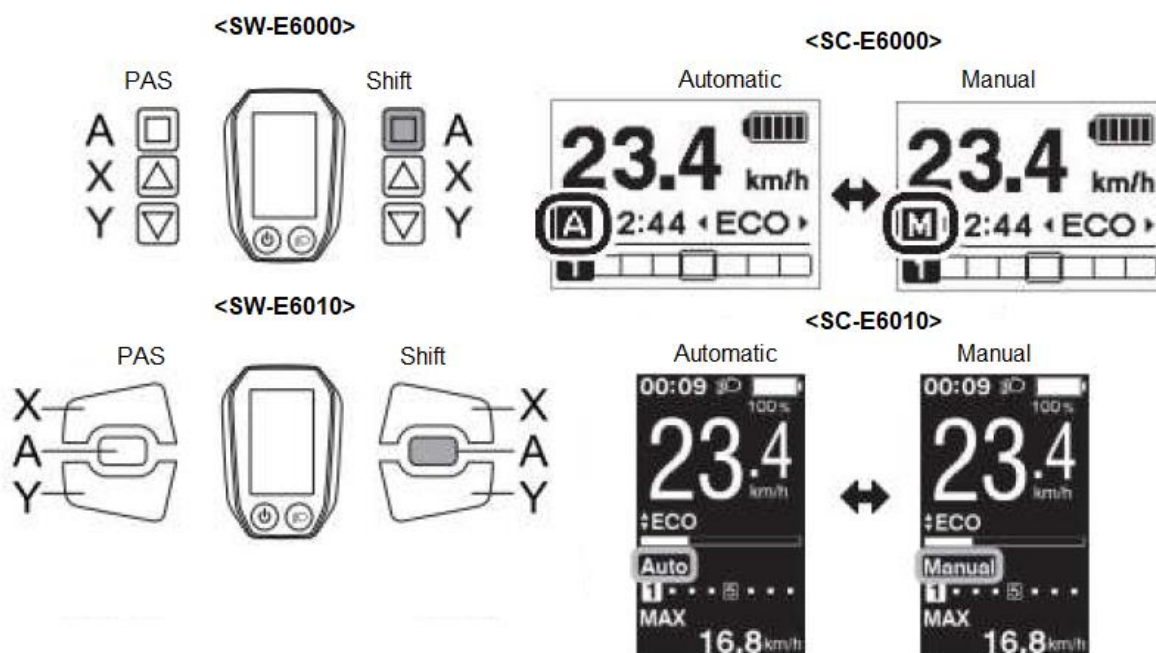
If the light is not connected, and [Backlight] is setup to [Manual], pressing the light button will turn on / off the backlight.



The light is only working if the battery is charged.

Automatic / manual gear shift

In the basic screen, press gear shift A to set up automatic or manual conversion.

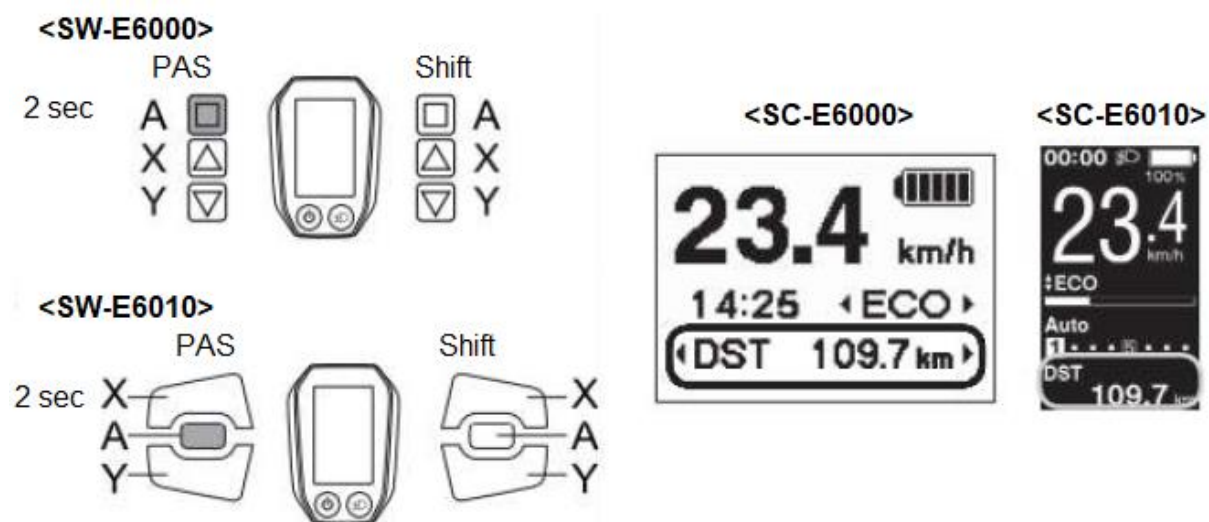


RESET DISTANCE

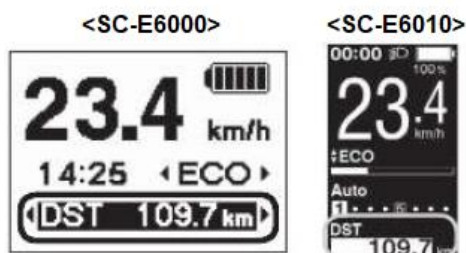
You can reset the distance on the Home screen. If a battery powered light is connected, reset the distance traveled (DST) as described in **Reset** in the **Menu Settings**

When using SC-E6000, the reset function can only be used if the light is not connected.

1. Change the displayed data to the distance traveled (DST) and press A for 2 seconds.



2. Then release the button and **DST** will start to flash, then press A again to reset.

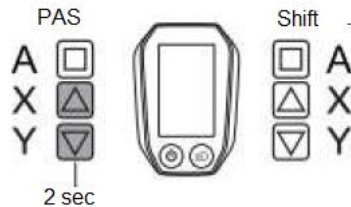


- The **DST** indicator stops flashing and returns to the original menu if no operation is performed for 5 seconds.
- If you reset the **DISTANCE**, the **TIME**, **AVERAGE**, and **MAXIMUM SPEED** will also be reset.

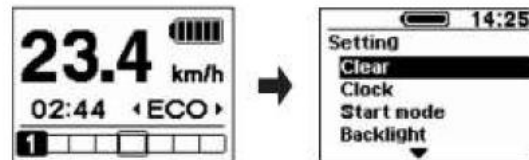
SETTINGS

Stop the bike and press at the same time X and Y buttons for 2 seconds.

<SW-E6000>

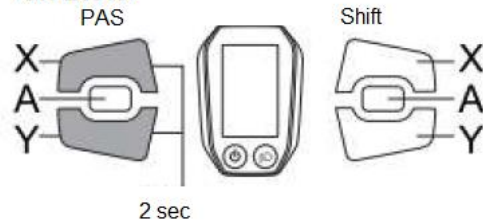


<SC-E6000>



<SC-E6010>

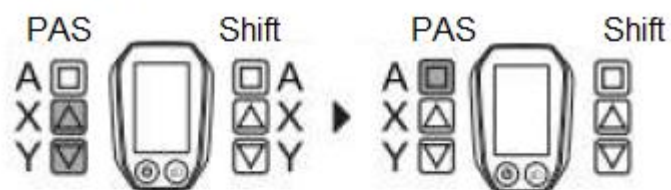
<SW-E6010>



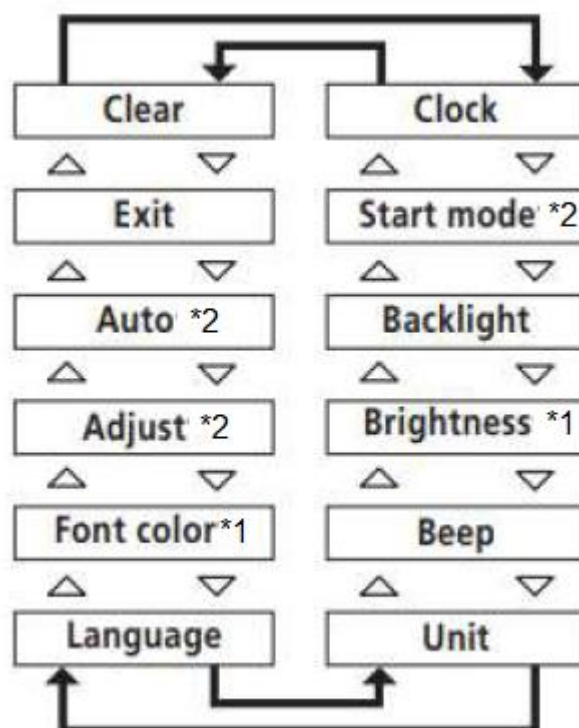
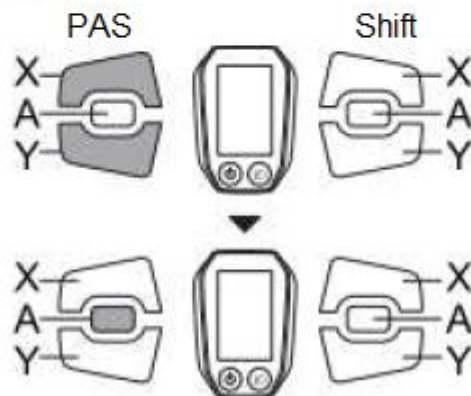
Navigate with X and Y buttons. Confirm with A button.

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

<SW-E6000>



<SW-E6010>



*1: Available for SC-E6010

*2: Available only for electronic gear shifter

VYNULOVÁNÍ VZDÁLENOSTI NEBO VYRESETOVÁNÍ

If you reset **DISTANCE** you will also reset **TIME**, **AVERAGE**, and **MAXIMUM SPEED**.

Navigate with X and Y buttons.

Values

EXIT – return to menu

DST – distance reset

Default – restore default settings

Default settings:

backlight –on

beep (sound signal)– on

unit – Km

language – English

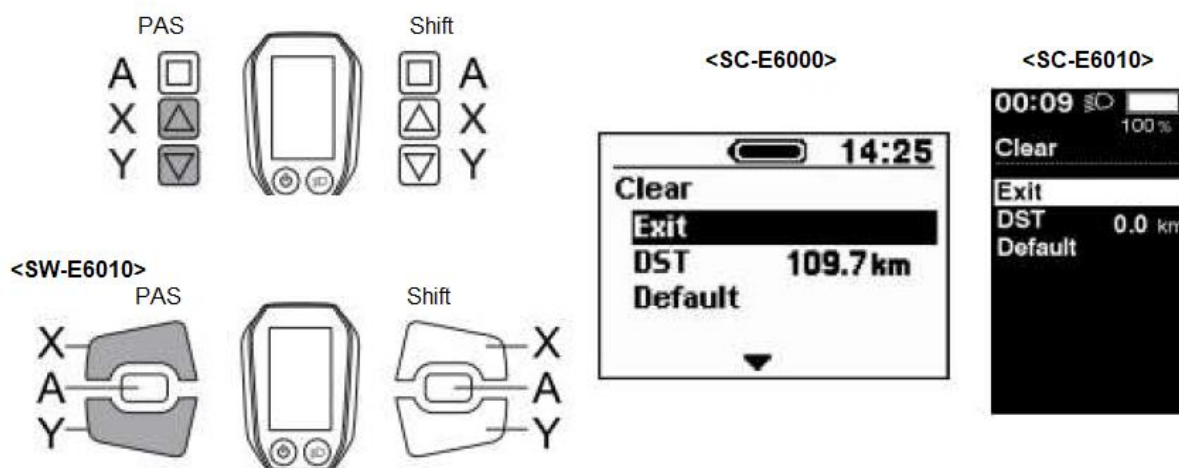
<SC-E6010>

brightness – 3

font color –white

With PAS A button you can confirm changes and proceed to next settings.

<SE-E6000>

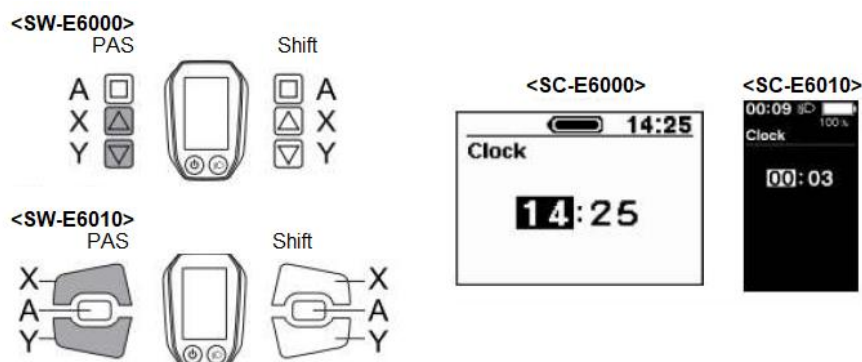


CLOCK

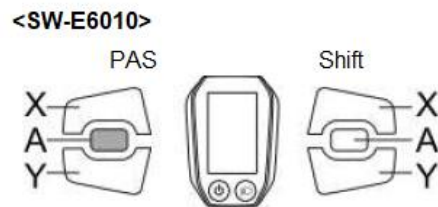
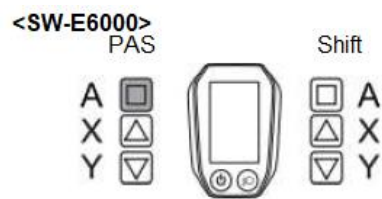
1. Navigate with X and Y buttons to setup hours

PAS X – increase number

PAS Y – decrease number



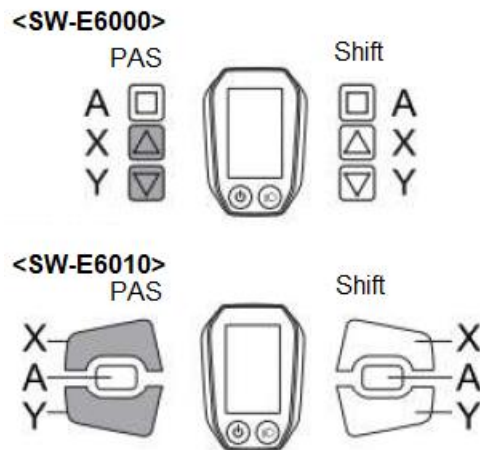
- Confirm with PAS A and continue to set up minutes.



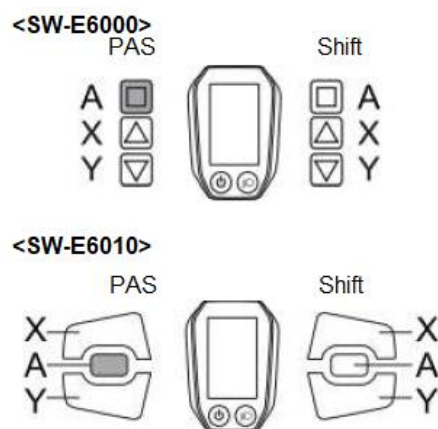
- Navigate with X and Y buttons to set up minutes

PAS X – increase number

PAS Y – decrease number



- Confirm with PAS A and return to menu.



You can change the numbers quickly by pressing PAS X and Y.

START MODE

Set the starting gear shift.

1. Navigate with PAS X and Y buttons.

Values:

OFF

2 – 2 gear shift

3 – 3 gear shift

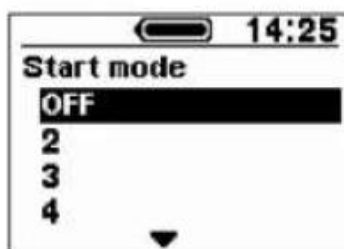
4 – 4 gear shift

5 – 5 gear shift

<SW-E6000>



<SC-E6000>



<SC-E6010>



<SW-E6010>



2. Confirm with PAS A and return to menu

<SW-E6000>



<SW-E6010>



BAKCLIGHT

1. Navigate with PAS X and Y buttons.

Values:

ON – always on

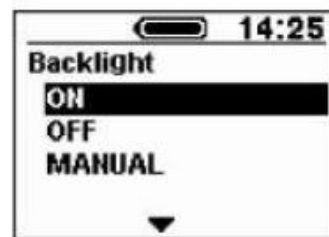
OFF – always off

manual – depending on battery

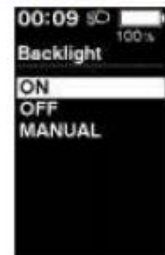
<SW-E6000>



<SC-E6000>



<SC-E6010>

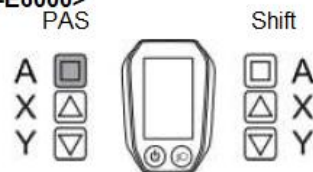


<SW-E6010>

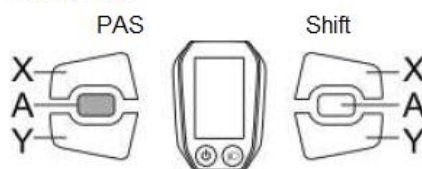


1. Confirm with PAS A and return to menu

<SW-E6000>



<SW-E6010>

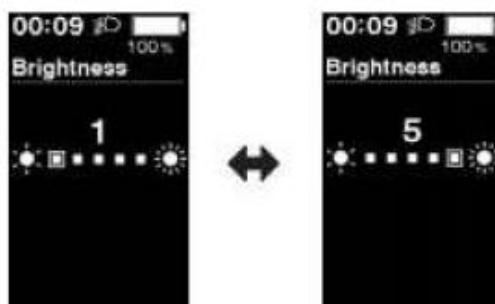
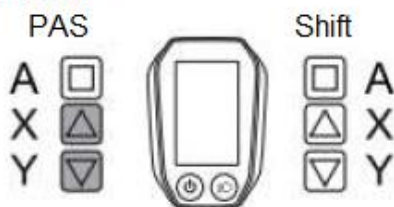


BRIGHTNESS

1. Navigate with PAS X and Y buttons.

Brightness has 5 level of adjustment.

<SW-E6000>

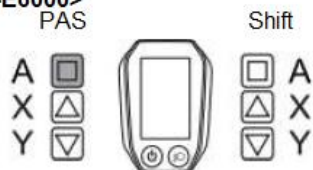


<SW-E6010>

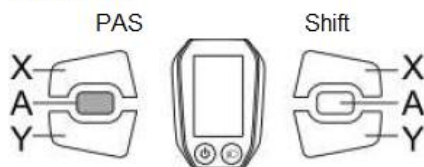


2. Confirm with PAS A and return to menu.

<SW-E6000>



<SW-E6010>



SOUND SIGNAL (BEEP)

You can turn ON or OFF the sounds.

1. Navigate with PAS X and Y buttons.

Values:

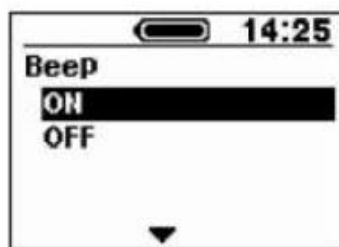
ON

OFF

<SW-E6000>



<SC-E6000>



<SC-E6010>

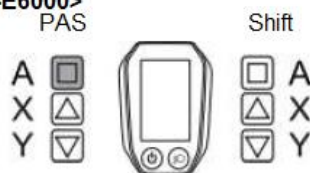


<SW-E6010>

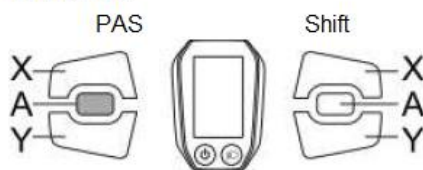


2. Confirm with PAS A and return to menu.

<SW-E6000>



<SW-E6010>



If the sound signals are turned off, error sound messages will still be turned on.

UNIT

You can set up kilometers or miles.

1. Navigate with PAS X and Y buttons.

Values:

KM

Miles

<SW-E6000>

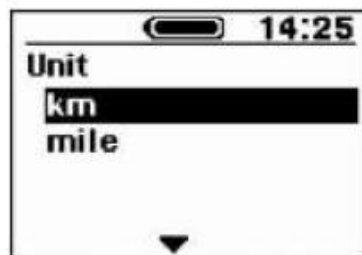
PAS



Shift



<SC-E6000>

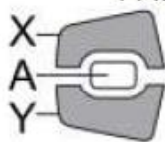


<SC-E6010>

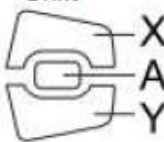


<SW-E6010>

PAS



Shift



2. Confirm with PAS A and return to menu.

<SW-E6000>

PAS

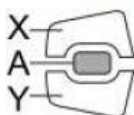


Shift



<SW-E6010>

PAS



Shift



LANGUAGE

You can choose interface language.

1. Navigate with PAS X and Y buttons.

Values:

English
Français
Deutsch
Nederlands
Italiano
Español

<SW-E6000>



<SC-E6000>



<SC-E6010>



<SW-E6010>

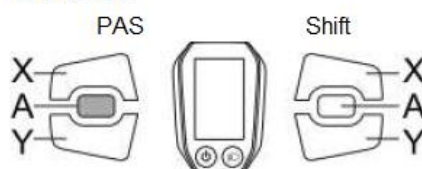


2. Confirm with PAS A and return to menu.

<SW-E6000>



<SW-E6010>



FONT COLOR

You can change font number.

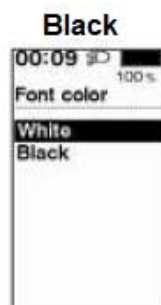
1. Navigate with PAS X and Y buttons.

Values:

White

Black

<SW-E6000>

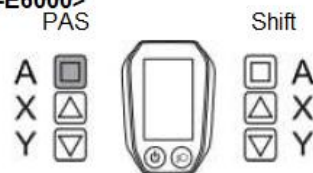


<SW-E6010>

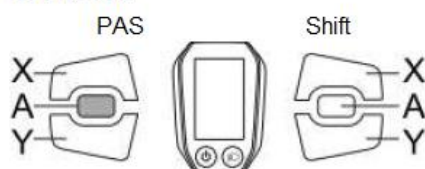


2. Confirm with PAS A and return to menu.

<SW-E6000>



<SW-E6010>



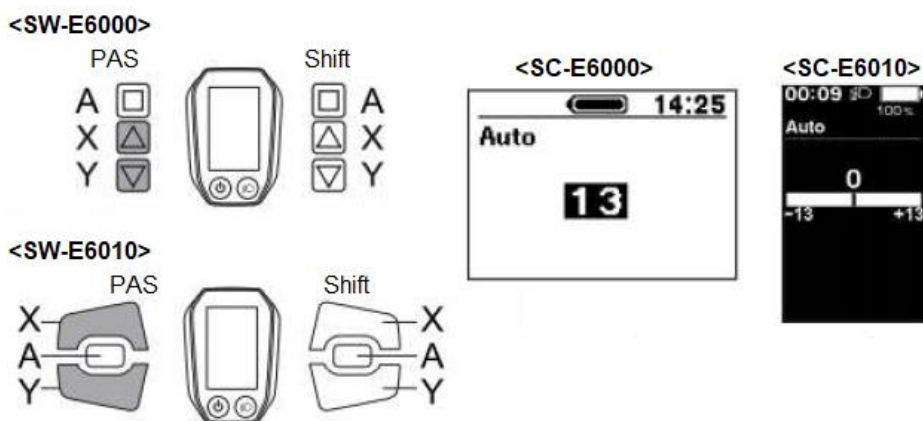
AUTOMATIC GEAR SHIFT (AUTO)

This function can only be set when using an electronic gear shift.

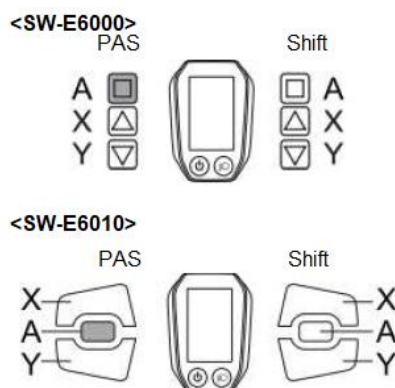
If you need to set the derailleur, contact your dealer or an authorized service.

The conversion time can be set if the conversion is in automatic mode.

- V Navigate with PAS X and Y buttons.
- Use the Assist X button to set the gear up- pedaling is lighter
- Use the Y Assist button to set the gear down - pedaling is harder



1. Confirm with PAS A and return to menu.

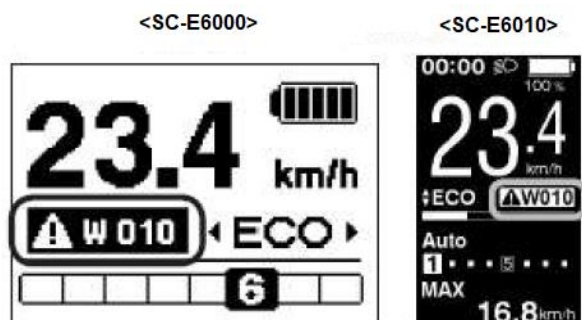


EXIT

Leave settings and return to main screen.

- With PAS X and Y navigate to [EXIT]
- With PAS A confirm.

If any error or fault message occurs, stop using the product and contact your dealer or authorized service center.



SHIMANO SC-E7000 CONTROL PANEL



Make sure that the battery is properly locked in place and that the display is properly seated before turning it on. Do not place your feet on the pedals before turning on, as a system error may occur.

ON / OFF

The main power switch is located on the battery.

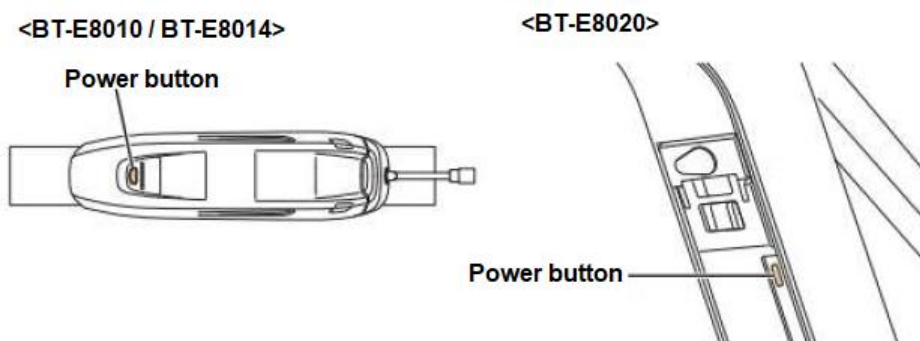
If you turn on the main battery switch, all the components that are connected to the battery will also turn on (Pedal assistance, display power, electronic gear shift, lights).

The battery cannot be turned on while it is charging.

If you do not use the bike for more than 10 minutes, the battery will turn off automatically.

PLACING THE SWITCH ON THE BATTERY

There are also LED battery status indicators on the battery.



CONTROL UNIT

Do not step on the pedals while turning on.

Holding down the power button for 6 seconds for <BT-E8010 / BT-E8020> batteries in case of emergency.

As soon as the battery is turned on, a picture will appear on the display (see below) and then the classic interface will be displayed.



This manual only describes default settings. The functions assigned to the control can be changed using E-TUBE PROJECT.



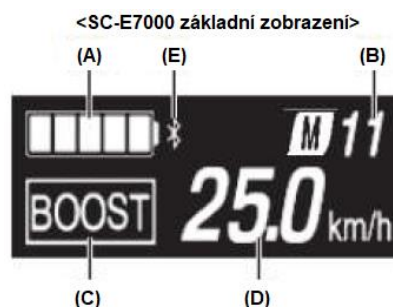
The right controller can be replaced with a gear shift. Then the functions assigned to the right controller do not work.

Left controller / Pedal assistance (assist)		Right controller / electronic gear shift	
Assistance X (assist-x)	During ride: Increase PAS During settings: Navigate / setting change in menu	Gear shift X (shift-x)	During ride: Shift up
Assistance Y (assist-y)	During ride: Reduce PAS During settings: Navigate / setting change in menu	Gear shift Y (shift-y)	During ride: Shift down
A	During ride: Changes the displayed data on the display During settings: Change settings or confirm settings		

Remember to pedal during gear shifts.




DISPLAY

The display shows the bike status and data. The gear shift is displayed only when the gear shift is electronic.



- (A) Battery level
- (B) Current gear shift
- (C) Current pedal assistance level (PAS)
- (D) Current speed
- (E) Bluetooth – indicator is shown only when connected

Display	Battery level
	81 % - 100 %
	61 % - 80 %
	41 % - 60 %

	21 % - 40 %
	1 % - 20 %
	0 %

TURN ON PEDAL ASSISTANCE (PAS)

If assistance is not enabled, hold down A to turn on assistance.

PAS can not be turned on if the Walking assistance is turned on [WALK].

CONTROL

PAS can be control with Assist X and Y buttons.

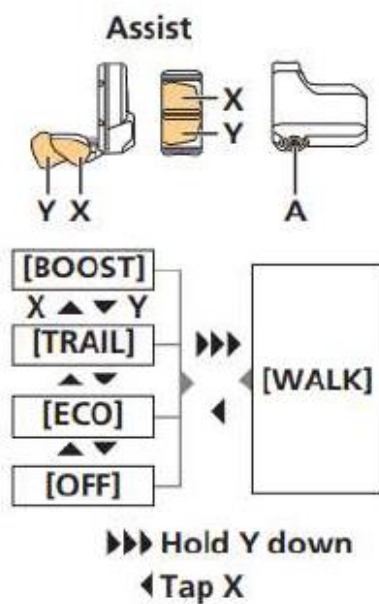
[BOOST]

[TRAIL]

[ECO]

[OFF]

[WALK]



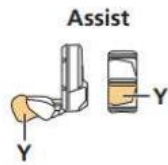
Walking assistance

1. Stop the bike
2. Put your feet from pedals
3. Hold Assist Y for 2 seconds.
4. Change will be displayed on display

If it is not possible to switch to walk assistance (the bike is not stopped, pressure is applied to the pedals, etc.) a warning signal will be sound.

If the wheel is stationary for 1 minute after turning on the walking assistance, it will automatically switch to the mode that was originally set.

Press Assist X to turn off walking assistance. The program returns to the previous mode.

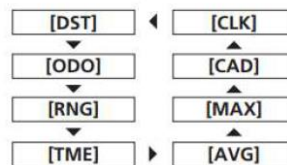


< SC-E7000 >



Displayed information

1. With A button you can cycle through displayed information



Explanation:

Display	Description
[DST]	Current distance ¹
[ODO]	Total distance
[RNG]	Maximum traveling distance ^{2, 3}
[TME]	Time usage 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 on, the [RNG] screen display changes to [RNG ---].
4. This 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, [TIME] (traveling time), [AVG] (average speed), and [MAX] (maximum speed) will also be reset.

1. Press A button to show [DST]



2. Hold A button and [DST] will start flashing.



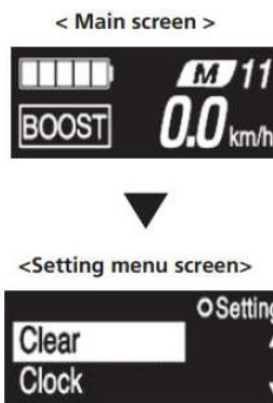
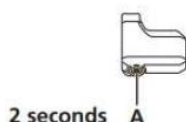
Hold down A

3. Then press A again and data will be reset.

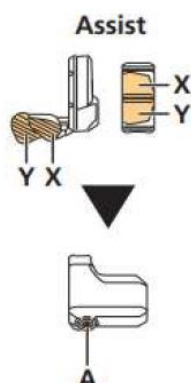
If nothing is done for five seconds after the number for [DST] begins flashing, it will stop flashing and the screen will return to the basic screen.

SETTINGS

1. Stop the bike.
2. Hold A button to enter settings.



3. Select the function. Use the X and Y Assist buttons to navigate through the settings and press the A button to confirm. The selected item is displayed.



Use the X and Y Assist buttons to navigate through the settings and press the A button to confirm.

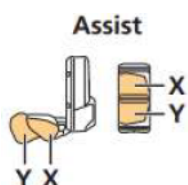
Selecting Settings / Explanations:

[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]	Interface 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. Only for electronic gear shift.
2. Only for rear electronic gear shift with RD.

[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. Navigate to [Clear] with Assistance buttons X and Y. Enter with A button.
 2. Choose:
 - [EXIT] – Return to menu
 - [DST] – Reset the data



3. Confirm with A button. You will be returned to menu.

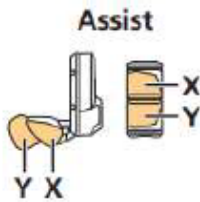


[Clock] Sets the current time

Set the current time. Set the hours first, then minutes. Hold the X and Y Assist buttons to speed up the time selection in steps 2 and 4.

Navigate to [Clock] with Assistance buttons X and Y. Enter with A button

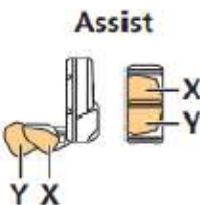
1. Use the Assist X (increase number) and Y (decrease number) buttons to set the hour.



2. Confirm with button A. The minute setting is highlighted.



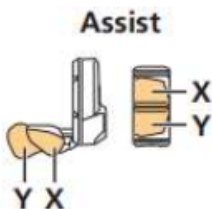
3. Use the Assist X (increase number) and Y (decrease number) buttons to set the minutes.



4. Confirm with A button. You will be returned to menu.

[Light] Switching ON / OFF the lights connected to the drive unit

1. Navigate to [Light] with Assistance buttons X and Y. Enter with A button
2. Use the Assist X and Y buttons to select and confirm with A button.



Choose: [ON] – lights always on
[OFF] – lights always off

Confirm with A button. You will be returned to menu.

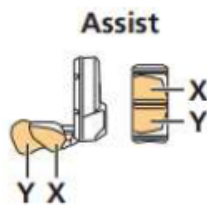


[Beep] Sound signal

You can turn on / off the sound signal

If you turn off the sound signals, the sound signal of error messages will still be on.

1. Navigate to [Beep] with Assistance buttons X and Y. Enter with A button
2. Use the Assist X and Y buttons to select and confirm with A button.

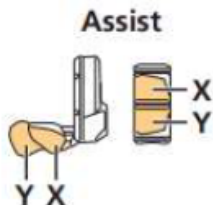


3. Confirm with A button. You will be returned to menu.



[Unit] Set units KM or miles

1. Navigate to [Unit] with Assistance buttons X and Y. Enter with A button
2. Use the Assist X and Y buttons to select and confirm with A button.



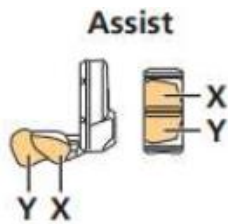
Choose: [km] Displays kilometers
[mile] Displays miles

3. Confirm with A button. You will be returned to menu.



[Language] Interface language

1. Navigate to [Language] with Assistance buttons X and Y. Enter with A button
2. Use the Assist X and Y buttons to select and confirm with A button.



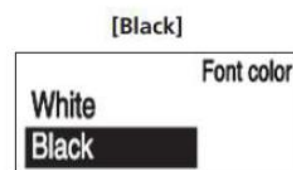
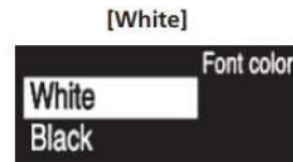
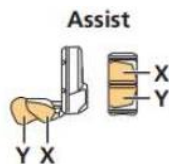
- Choose:
- [English]
 - [Français]
 - [Deutsch]
 - [Nederlands]
 - [Italiano]
 - [Español]

3. Confirm with A button. You will be returned to menu.



[Font color]

1. Navigate to [Font color] with Assistance buttons X and Y. Enter with A button
2. Use the Assist X and Y buttons to select and confirm with A button.



- Choose:
- [White] White text on black background
 - [Black] Black text on white background

3. Confirm with A button. You will be returned to menu.



ERRORS

The text next to the battery status indicates errors.



WARNING: If the problem is solved, the message disappears. If the message is still displayed, contact your dealer or an authorized service.

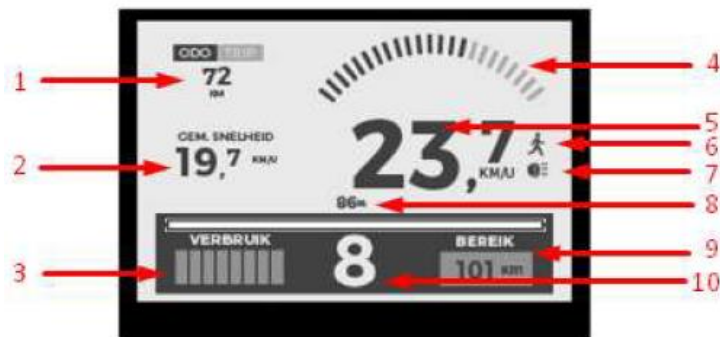
In the event of any malfunction or damage, immediately stop using the product and contact your dealer or an authorized service.

DEVRON ELECTRIC CONTROL PANEL



Depending on the model, controls can be in a form of CONTROL PANEL and DISPLAY or only CONTROL PANEL

Displayed information:



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

Control panel:

Control panel works without display. The level of assistance and battery charge is displayed on the control panel in two different rows of LED indicators.

The top row shows the pedal assistance level.

The bottom row shows the current battery status.



1. Power switch - Hold down for 2-3 seconds to turn it on and off.
2. Increase pedal assistance / light control - press to increase pedal assistance by one level. Hold down to turn on / off lights. When the display is connected, the button controls the display backlight.
3. Decrease pedal assistance / walking assistance - press to decrease pedal assistance by one level. Hold down the button to turn on the walking assistance, release the button to switch off the walking assistance.

Resetting average speed and distance traveled during last use

Zmáčknete hlavní vypínač (1) a vyberte si mezi celkovou vzdáleností (total) nebo posledně ураženou vzdáleností (trip). Zobrazené na LCD displej (1).

Vyberte TRIP a poté zmáčknete současně tlačítka pro ovládání asistence motoru (2, 3). Údaje o celkové úražené vzdálenosti se nevynulují.

Kolo je dodávané s přednastavenými parametry z výroby.

Pro další informace kontaktuje dodavatele.

BATTERY

- Do not use batteries immediately after delivery. The battery needs to be fully charged.
- Always use the original charger.
- Always use only original batteries.
- If the bike is stored for a long time, the battery must be fully charged.
- The battery supplies power to the drive unit and lights immediately after power up.
- Battery performance is dependent on model and other factors such as usage and age. Full battery capacity is achieved after 2-5 charging cycles.
- Complete charging cycle means charging without interruption up to 100% of battery capacity.
- Damaged battery must be replaced immediately.
- Keep the battery away from sources of heat and fire.
- Do not immerse the battery in water or other liquids. Never clean it with a high-pressure cleaner.
- Do not subject the battery to shocks or frequent vibrations.
- Never open the battery or try to repair it.
- When transporting the bike, remove the battery.

- Battery warranty is 24 months, we guarantee lifespan and battery capacity over 70% for 1 year.

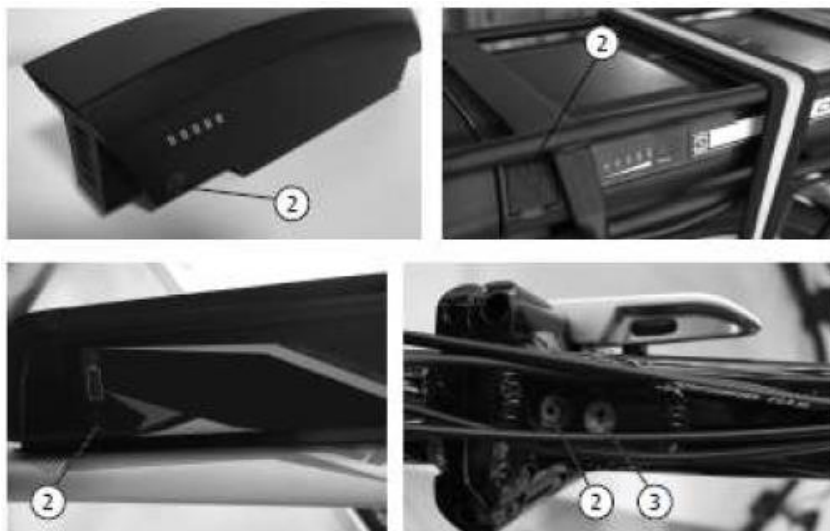
Press the button (1) located near the LED lights to indicate the current battery charge.



CHARGING

Charge the battery after every long ride. You can charge the battery by bike or separately.

1. Turn off the battery before charging
2. Remove the protective cap on the charging port (2)
3. Connect the charger to a outlet
4. Connect the charger to the battery (2)
5. Check the charging status
6. Charging turns off automatically when the battery is 100% charged



REMOVING THE BATTERY

Carrier

1. Turn off the battery
2. Unscrew the locking screw counterclockwise.
3. Remove the battery from the carrier.



Downtube

1. Turn off the battery.
2. Unscrew the locking screw counterclockwise.
3. Push the battery sideways with the other hand.

Inbuild (Folding bikes)

1. Turn off the battery.
2. Bend the frame as described in the folding bike chapter
3. Unscrew the locking screw counterclockwise.
4. Pull the battery out of the frame

CONNECTING THE BATTERY

Carrier

1. Push the battery into the carrier, screw the safety screw clockwise to secure it.

Downtube

2. Insert the battery sideways and secure with safety screw clockwise.

Inbuild (Folding bikes)

1. Fold the frame if you did not remove the battery
2. Slide the battery into the frame
3. To secure, screw the safety screw clockwise.

STORAGE

- Always store the battery fully charged.
- Place the battery in a dry and cold place (7-10 ° C)
- We recommend charging the battery for at least 3 months for at least 2 hours.

RANGE

Bike range is affected by many factors such as:

- Charge Level
- Total weight (cyclist + payload)
- Pedaling rate

- Ambient temperature
- Tire pressure
- Assist level
- Battery age
- Terrain
- Headwind
- Inclination/ elevation

For longer distance travel do not use pedal assistance all the time. Mainly use it in case of acceleration, tilt or headwind.

If you select a low level of assistance with combinations with a higher pedaling rate, you will increase the range of the battery. Also make sure you have the right tire pressure; the correct wheel pressure will greatly increase the bikes range.

MAINTENANCE

- Before any maintenance, switch off the pedal assistance and remove the battery.
- The bike requires regular inspections and maintenance. This is the only way increase the safety of the product.
- Each part is subjected to stress when in use, impact, accident or improper use. Any damage or discoloration may indicate damage to the part. Damage-prone parts are frame, handlebar, stem, saddle, seat post, beam, braking system, lights, tubes and tires.
- Do not attempt to repair the product but replace the damaged part with the original part. If original parts are not available, replace them with suitable compatible parts. Visit your dealer or authorized service.
- During maintenance, make sure that no detergent enters the bike brake system. This can reduce their effectiveness.
- Never use high-pressure cleaners. Clean the bike with warm water, soft sponge and soap.
- Do not use aggressive cleaning agents. After washing the wheel, apply protective and anti-corrosion agents.
- Regularly clean the bike to prevent corrosion.
- Only regular and professional maintenance will ensure optimal and safe use.

WHEELS

- The rim brakes have a smooth braking surface. Bikes designed for hub or disc brakes sometimes do not have this surface. There must be no dirt, especially grease, on the braking parts.
- Remove any dirt and grease.
- If the rims are worn, replace them.
- Check the tires regularly for wear and tear.
- Check the wheel pressure regularly. The recommended pressure is written on the sides of the tube / wheels.
- If the pressure is too high, pressurize the valve.

BREAKING SYSTEM

- For hydraulic brakes, check for fluid leakage by removing the brake lever and visually checking.

- Turn the wheel freely to check the gap between the brake pads and rim sides (rim brakes) or between the forks and rim sides (using disc brakes).
- The maximum tolerance is 1 mm. If it is exceeded, the brakes must be replaced.
- To replace and inspect the brake, visit an authorized service or dealer.
- Regularly check for any mechanical damage. In case of doubt, contact or contact an authorized service or dealer.
- Loosen the front and rear wheels freely and the brakes should not interfere with the wheels.

CHAIN

- Visually inspect the chain regularly for sign of wear. Loop the chain loosely, any unusual sound, skipping, snags or other abnormalities mean damage.
- Clean and lubricate the chain regularly. Use special chain oil for lubrication. Do not use other oils.
- There are special chain maintenance products. Contact or contact your dealer or authorized dealer.

GEAR SHIFT

- Over time, mechanical parts will wear out. Poor signal transmission can be caused by cable wear.
- If you hear unusual sounds, please contact your dealer or an authorized dealer.

SEAT AND SEATPOST

- Check that the seat and seat post are securely locked.
- Do not move the saddle or seat post when trying to move.
- Apply corrosion protection to the seat post.

FORK

- Check the forks by stopping, pressing the front brake and leaning against the handlebar.
- During the test, the forks should not emit any sound. The spring should move smoothly according to the application of force.
- If you hear unusual sounds, please contact your dealer or an authorized dealer.

STEM

- To check, press the brake and gently bend it around. If the stem / headset is loose, you will hear and feel the clacking in the handlebar.
- Raise the front wheel and test the wheel movement to the right and left without moving the handlebar, if the rotation is too slow or does not move at all, the tightening is too great.
- If you hear unusual sounds, please contact your dealer or an authorized dealer.

LIGHTS

- Check the operation of the lights before each trip. Lights are an important safety feature.
- In the event of a malfunction, contact or consult your dealer or an authorized dealer.

SCREWS / CONNECTIONS / QUICK RELEASE MECHANISM / CLAMP

- Check all screws, clamps and connections regularly. Parts that are too loose or too tight can cause damage or injury.
- According to the wheel model, the quick-release clamps provide a folding mechanism, seat post, wheel lock, etc.
- Check the tightness of all components before each journey.
- The stem must be positioned on the same axis as the wheel.

- The handlebar must be parallel to the stem.
- Handlebars or stem should not move freely up and down.
- Check for tightness. Secure the front wheel and try to move the handlebar. If it is impossible to move the handlebar or stem, everything is properly secured.

TORQUE SPECIFICATIONS

Component	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

ENVIRONMENT PROTECTION

After the product lifespan expired or if the possible repairing is uneconomic, dispose it according to the local laws and environmentally friendly in the nearest scrapyard.

By proper disposal you will protect the environment and natural sources. Moreover, you can help protect human health. If you are not sure in correct disposing, ask local authorities to avoid law violation or sanctions.

Don't put the batteries among house waste but hand them in to the recycling place.

TERMS AND CONDITIONS OF WARRANTY, WARRANTY CLAIMS

General Conditions of Warranty and Definition of Terms

All Warranty Conditions stated hereunder determine Warranty Coverage and Warranty Claim Procedure. Conditions of Warranty and Warranty Claims are governed by Act No. 89/2012 Coll. Civil Code, and Act No. 634/1992 Coll., Consumer Protection, as amended, also in cases that are not specified by these Warranty rules.

The seller is SEVEN SPORT s.r.o. with its registered office in Borivojova Street 35/878, Prague 13000, Company Registration Number: 26847264, registered in the Trade Register at Regional Court in Prague, Section C, Insert No. 116888.

According to valid legal regulations it depends whether the Buyer is the End Customer or not.

"The Buyer who is the End Customer" or simply the "End Customer" is the legal entity that does not conclude and execute the Contract in order to run or promote his own trade or business activities.

"The Buyer who is not the End Customer" is a Businessman that buys Goods or uses services for the purpose of using the Goods or services for his own business activities. The Buyer conforms to the General Purchase Agreement and business conditions.

These Conditions of Warranty and Warranty Claims are an integral part of every Purchase Agreement made between the Seller and the Buyer. All Warranty Conditions are valid and binding, unless otherwise specified in the Purchase Agreement, in the Amendment to this Contract or in another written agreement.

Warranty Conditions

Warranty Period

The Seller provides the Buyer a 24 months Warranty for Goods Quality, unless otherwise specified in the Certificate of Warranty, Invoice, Bill of Delivery or other documents related to the Goods. The legal warranty period provided to the Consumer is not affected.

By the Warranty for Goods Quality, the Seller guarantees that the delivered Goods shall be, for a certain period of time, suitable for regular or contracted use, and that the Goods shall maintain its regular or contracted features.

The Warranty does not cover defects resulting from (if applicable):

- User's fault, i.e. product damage caused by unqualified repair work, improper assembly, insufficient insertion of seat post into frame, insufficient tightening of pedals and cranks
- Improper maintenance
- Mechanical damages
- Regular use (e.g. wearing out of rubber and plastic parts, moving mechanisms, joints etc.)
- Unavoidable event, natural disaster
- Adjustments made by unqualified person
- Improper maintenance, improper placement, damages caused by low or high temperature, water, inappropriate pressure, shocks, intentional changes in design or construction etc.

Warranty Claim Procedure

The Buyer is obliged to check the Goods delivered by the Seller immediately after taking the responsibility for the Goods and its damages, i.e. immediately after its delivery. The Buyer must check the Goods so that he discovers all the defects that can be discovered by such check.

When making a Warranty Claim the Buyer is obliged, on request of the Seller, to prove the purchase and validity of the claim by the Invoice or Bill of Delivery that includes the product's serial number, or eventually by the documents without the serial number. If the Buyer does not prove the validity of the Warranty Claim by these documents, the Seller has the right to reject the Warranty Claim.

If the Buyer gives notice of a defect that is not covered by the Warranty (e.g. in the case that the Warranty Conditions were not fulfilled or in the case of reporting the defect by mistake etc.), the Seller is eligible to require a compensation for all the costs arising from the repair. The cost shall be calculated according to the valid price list of services and transport costs.

If the Seller finds out (by testing) that the product is not damaged, the Warranty Claim is not accepted. The Seller reserves the right to claim a compensation for costs arising from the false Warranty Claim.

In case the Buyer makes a claim about the Goods that is legally covered by the Warranty provided by the Seller, the Seller shall fix the reported defects by means of repair or by the exchange of the damaged part or product for a new one. Based on the agreement of the Buyer, the Seller has the right to exchange the defected Goods for a fully compatible Goods of the same or better technical characteristics. The Seller is entitled to choose the form of the Warranty Claim Procedures described in this paragraph.

The Seller shall settle the Warranty Claim within 30 days after the delivery of the defective Goods, unless a longer period has been agreed upon. The day when the repaired or exchanged Goods is

handed over to the Buyer is considered to be the day of the Warranty Claim settlement. When the Seller is not able to settle the Warranty Claim within the agreed period due to the specific nature of the Goods defect, he and the Buyer shall make an agreement about an alternative solution. In case such agreement is not made, the Seller is obliged to provide the Buyer with a financial compensation in the form of a refund.



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Date of Sale:

Stamp and Signature of Seller: