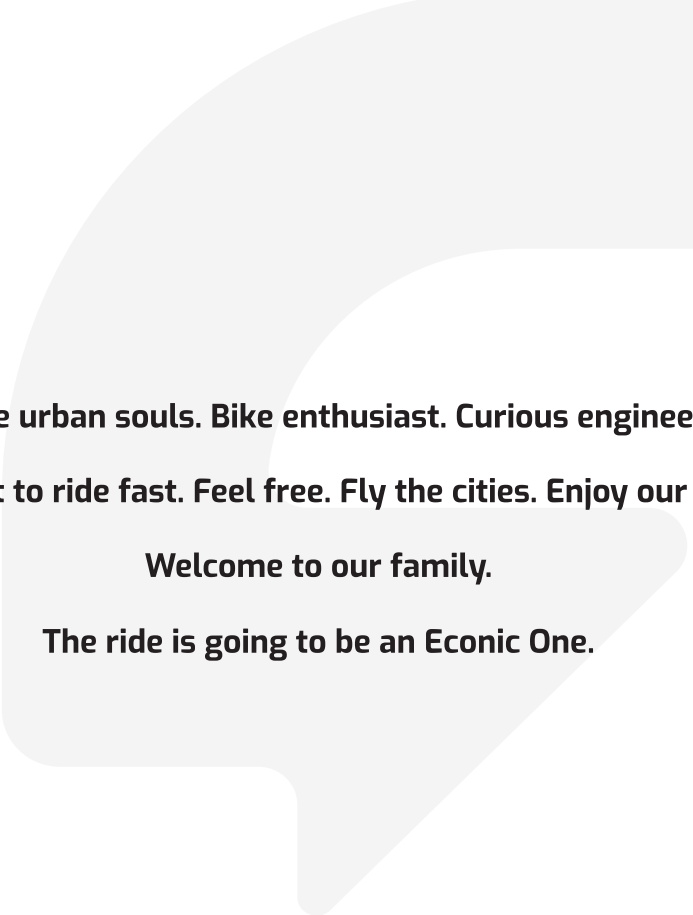


ECONIC ONE GUIDE



Get your digital
guide here



**We are urban souls. Bike enthusiast. Curious engineers.
We want to ride fast. Feel free. Fly the cities. Enjoy our way.
Welcome to our family.
The ride is going to be an Econic One.**

Galin Bonev
CEO, ECONIC ONE



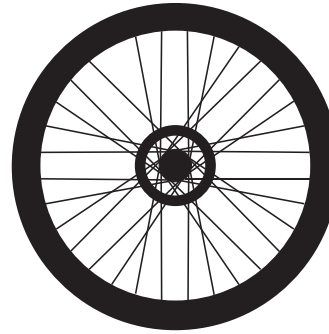
WHAT'S IN THE BOX?

- Your bike fitted with the rear wheel
- Front wheel
- Pedals
- Charger
- Quick release skewer
- Battery keys
- Seatpost with saddle
- Multitool
- Reflective Band
- Warranty card

Your bike fitted with the rear wheel



Front wheel



Pedals



L

R

Quick release skewer



Battery keys



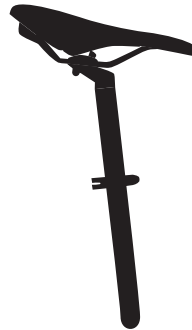
Warranty card



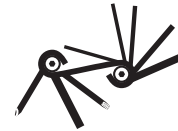
Reflective Band



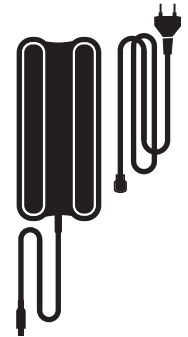
Seatpost with saddle



Multitool



Charger





Ride Smart. Be Econic.

LET'S PUT YOUR BIKE TOGETHER

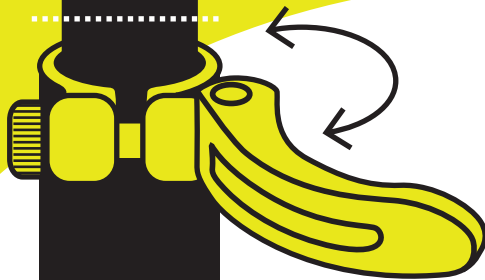




Scan here to get a video assembly guide

- 1** Open the box with care.
- 2** First, pull out all the parts and accessories and then carefully take the bike out of the box.
- 3** Place the seat post and tighten the clamp.





NOTE:

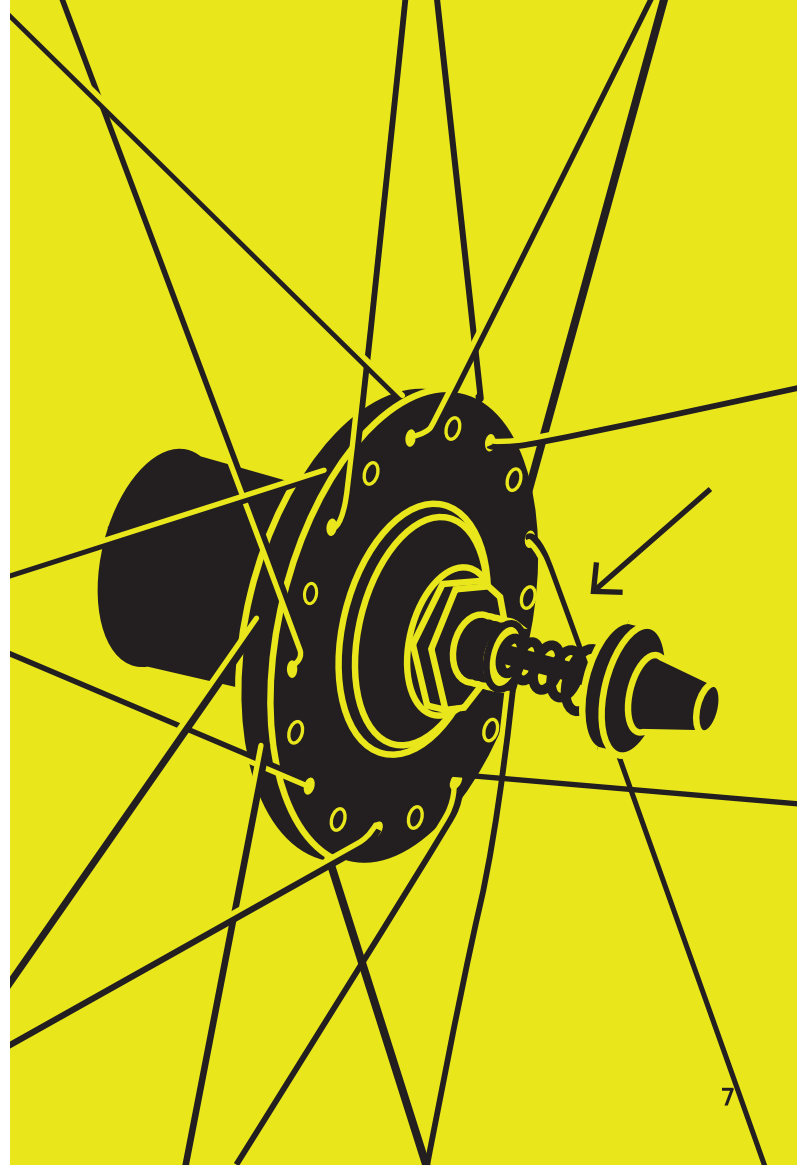
Always thread the Quick Release with great caution. It should not be too tight nor too loose. A poorly tightened Quick Release can lead to serious injuries to the rider!

IMPORTANT:

The seat post has to be inserted into the frame tube at least to the limit marker.
Seatpost quick-release tork value - 6 Nm.

4 Mount the front wheel

Remove the protective pad from the front wheel hub. Insert the Quick Release skewer, making sure to place the springs on each side of the hub, so that **the side with the smaller radius is facing the hub**.





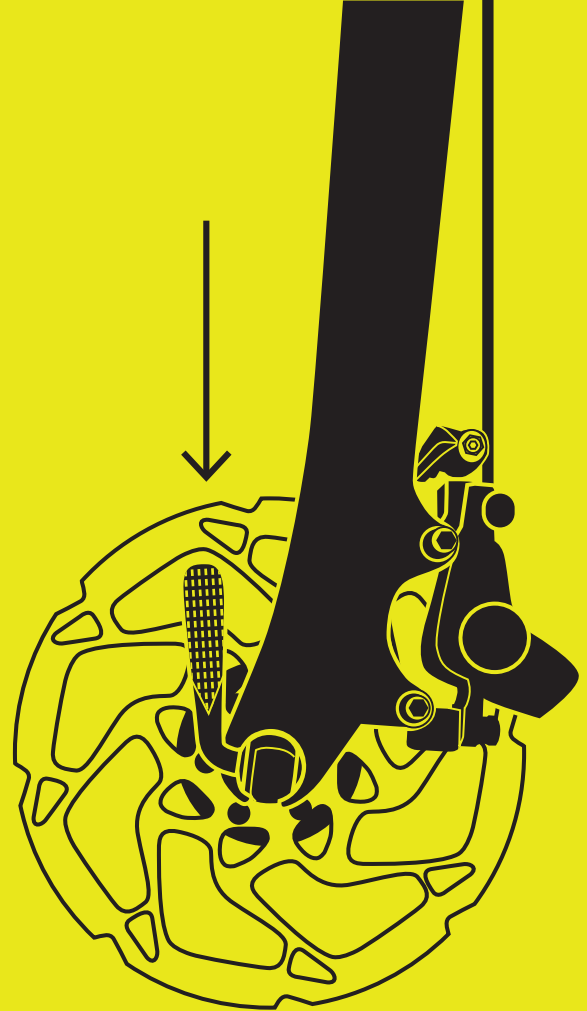
Remove the black plastic protector from the fork and the orange plastic protector from the brake pads, making sure not to press the front brake lever.

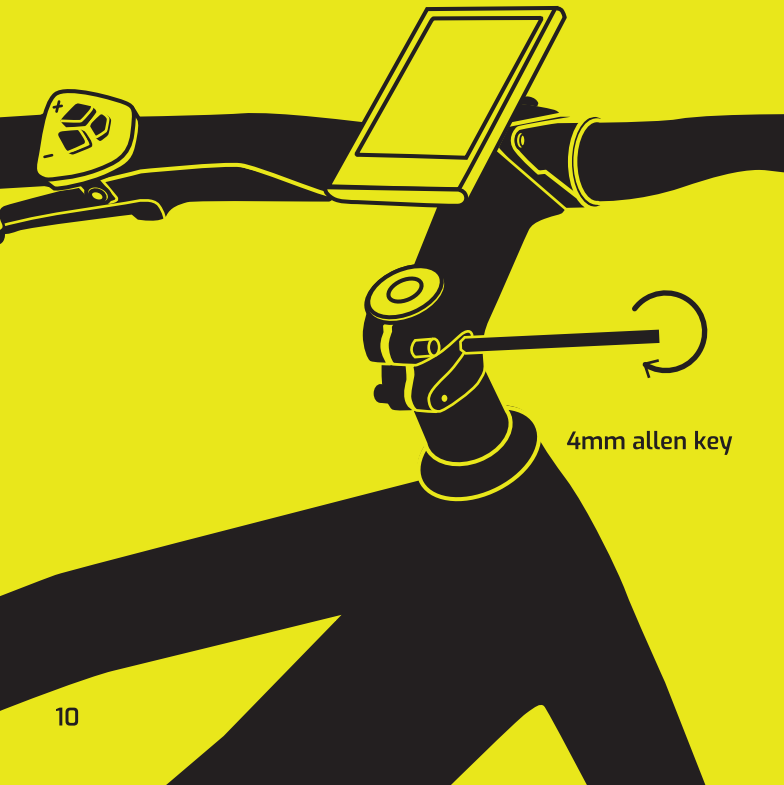
Mount the front wheel, making sure that the front wheel is centered.

Verify that the disc does not touch the brake pads. The brake pads should not touch the disk unless the brake lever is pressed. Now tighten the Quick Release by slightly turning the bolt clockwise and then pressing the lever. **The quick release lever should be parallel to the fork** and should be tight enough - use moderate force - tightening should not be too hard, nor too easy.

IMPORTANT:

Improperly fitted front/rear wheel can lead to uneven wear of the pads as well as the brake disc. Front wheel quick-release torque value 5-7.5 Nm.





4mm allen key

5 Adjust the handlebar.

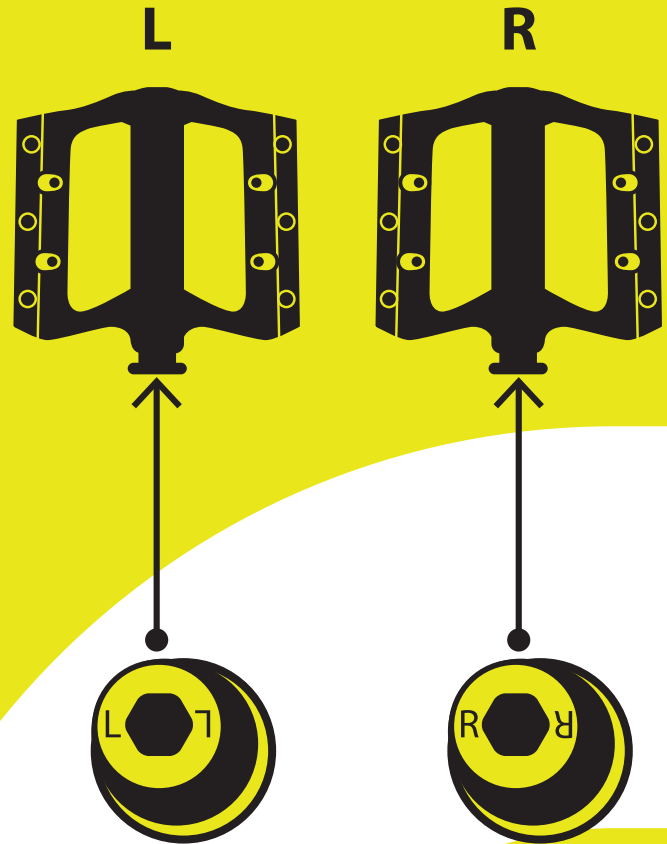
If you ordered Urban or Urban Lite your bike will come with a handlebar turned to one side. **If so, turn the handlebar until it is perpendicular to the frame and tighten the two screws with a 4mm allen key.**

Adjust handlebar torque value 5-6 Nm.

6 Install the bike pedals.

Right and left pedals are different. You can recognize them by the R (right) and L (left) marks on each pedal.

The right pedal should be installed on the right crank arm where the front chain ring is. The right pedal needs to be tightened clockwise while the **left pedal needs to be tightened anti-clockwise**. Screw the pedals by hand at first and then using a 15mm wrench or 6mm allen key if possible. Use reasonable force. Instal pedals torque value 35-55 Nm.





GETTING STARTED WITH YOUR BIKE

Fully charge your battery before using your bike for the first time.

You can do this with your battery mounted on the bike or after removing the battery. Pull the rubber cover found on the top right side of the battery to the side and plug in the charger to the battery and the electrical outlet. It takes about 4 hours to fully charge an empty battery. When the battery is fully charged, the charger indicator light turns green.

To check the battery status, you can press the rubber button located on the top of the battery.

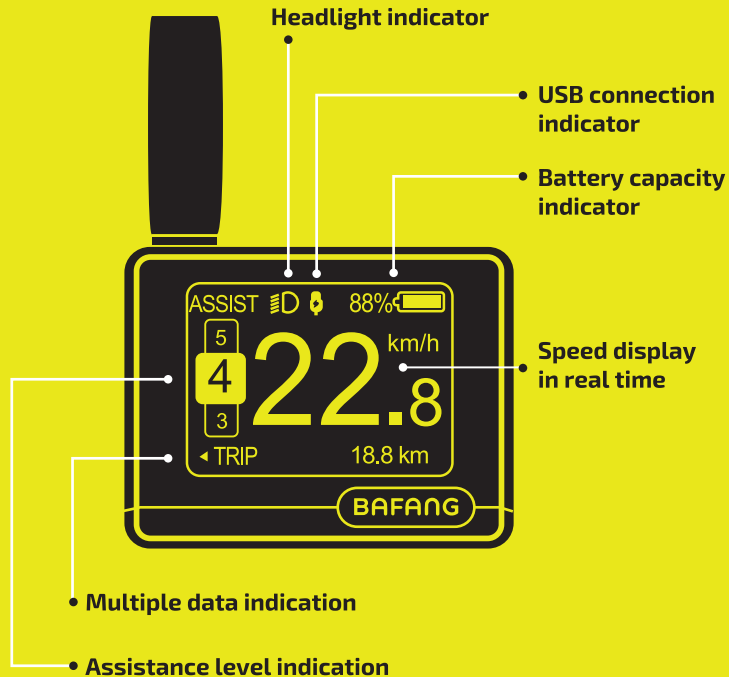
If the battery is more than 70% charged, the indicator on the battery will turn blue, if it is between 40% and 70%, it will turn green, and below 40% it will turn red.

Your bike is fitted with a battery located in the frame. You can remove the battery **by unlocking the lock with the battery keys and pulling it out carefully.**





DISPLAY

BAFANG DP C240



Switching the System ON/OFF

Press  and hold (>2 s) to turn on the display, until you see the boot logo.



Press and hold  (>2 s) again to turn the power off.


If the **Automatic shutdown** time is set to 5 minutes (it can be set via the **Auto off** function), the display will automatically turn off within this set time.




For more information download full display manual.

Selection of support levels

When the display is on, briefly press  or  to select the assistance level (the number of assistance levels needs to be adapted to the controller). The lowest level is 0, the highest one is 5. The default level is 1, 0 means no power assistance.


NOTE: The boost function can be selected by briefly pressing the  button.

Selection mode

Briefly press  to view the different riding modes and information. The display shows single trip distance (TRIP, km) > total distance (ODO, km) > maximum speed (MAX, km/h) > average speed (AVG, km/h) > remaining distance (RANGE, km) > energy consumption (CALORIES/CAL, KCal) > real-time output power (POWER, w) > riding time (TIME, min).

Headlights / backlighting

Press and hold  (>2 s) to turn on the backlight and headlight.






Press and hold  (>2 s) again to turn off the backlight and headlight.

The brightness of the backlight can be set


from the **Brightness function**. (In a dark environment the display backlight / headlight will turn on automatically. If they are turned off manually, they also need to be turned on manually afterwards).



Walk assistance

The **Walk assistance** can only be activated on a standing e-bike.

Activation: briefly press  button until this symbol  appears. Next hold down the  button until the  symbol is displayed. Now the **Walk assistance** mode is activated. The symbol will flash and the e-bike will move with approx. 6 km/h. After releasing the  button, the motor stops automatically. If no operations follow within 5s, the system will automatically return to 0 level.

Boost function

When you reach 25 km/h, you can select the Boost level. Press and hold  (>2 s), the e-bike enters the

Boost function. The indicator on the display  will flash and the motor will work at maximum power. If you release the button or do any other operation, the Boost mode will stop. NOTE: If the speed of 25 km/h is not reached, the **Boost function** can not be implemented. Thus pressing the  button with lower speed will turn off the display.

Battery capacity indication

The total and current battery capacity is displayed from 100% to 0% .

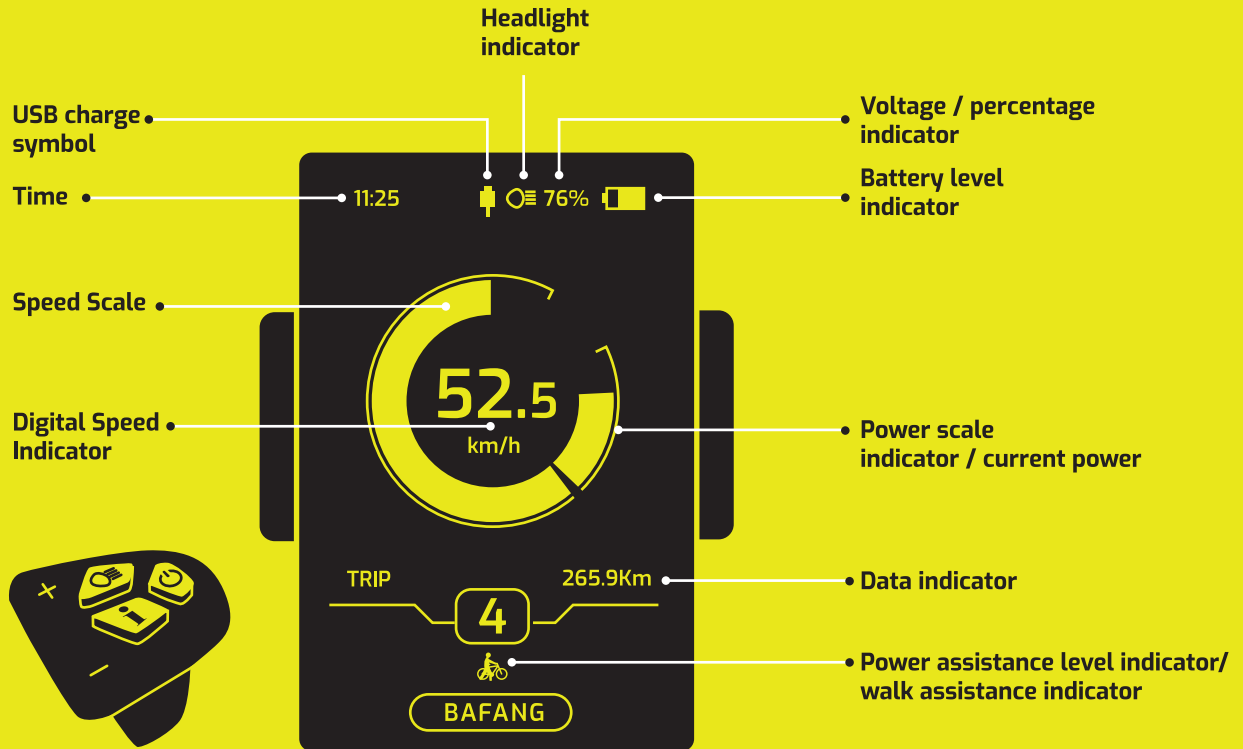
USB charge function

When the the display is off, insert the USB device to the USB port on the display, and then turn on to charge. When the display is on, it can charge the device right away. The maximum charging voltage is 5 V and the maximum charging current is 500 mA.



LCD DISPLAY

BAFANG DP C18



Time

The time is represented in the 24-hour system and the current time can be set in the "Set clock" menu feature.

USB charge symbol

It appears when an external device is connected to the display and is being charged via the USB port.

Headlight indicator

It appears only when the headlight is On.

Battery level indicator

Displays current battery level.

Power assistance level indicator/ walk assistance indicator

Displays the six levels as "0" / "1" / "2" / "3" / "4" / "5". Briefly press (0.5 sec) to switch the level.

Touch and hold (2 sec) to start the „walking assistance" mode, displays symbol

Mode selection indicator

Single-trip distance (TRIP) > total distance (ODO) > maximum speed (MAX) > average speed (AVG) > remaining distance (RANGE) > time (TIME).

Digital Speed Indicator

Displays current speed value. The speed unit can be set in the "Unit" menu where you can choose between "Imperial" and "Metric".



Speed Scale

Displays the speed as a scale.





BUTTON DEFINITION


On/off button

To turn on the display, press and hold (>2 sec) . Press and hold (>2 sec)  again to turn off the display. If the bike is not used, the display will be automatically turned off after 5 minutes (the time can be set in "Auto Off"). If the password function of the display is activated, you need to input the correct password to enter into the normal display Interface.







Power assistance level

Briefly press (<0.5 sec)  or  to switch the level of power assistance. The lowest level is Level 0, the highest is Level 5. When the display is turned on, the default mode is Level 1. Level 0 means that there is no power assistance.

Switching between Distance Mode and Speed Mode

Briefly press (0.5 sec)  to switch the display between the distance and speed mode. The different modes are: signal-trip distance (TRIP) > total distance (ODO) > maximum speed (MAX) > average speed (AVG) > remaining distance (RANGE) > time (TIME).

Settings

After turning on the display, press  twice briefly (<0.5 sec) to enter the "SETTINGS" menu. From there you can adjust the display as well as the mode preferences. The menu contains three options: "Display setting", "Information" and "EXIT". Press briefly (<0.5 sec)  or  to switch between options and press (<0.5 sec)  to confirm and enter the selected option. Select "EXIT" and press briefly (<0.5 sec)  to exit the "SETTINGS" menu or press  twice briefly (<0.5 sec) to exit the individual options.

Mode Data Indicator

It displays current data corresponding to the selected Mode.



Voltage indicator / percentage indicator

It displays actual battery level value, the mode can be set in "Soc View".

Power scale indicator







It displays current output value, output unit can be set in "Power View".

Headlight / Display Backlight Button

Press and hold (>2sec)  to turn on the display backlight as well as the headlight. Press and hold (>2sec)  again to turn off the display backlight

and the headlight. There are 5 levels of backlight brightness that can be selected by the user (can be set in the "Brightness"). If the display is turned on in a dark environment, the display backlight /headlight will be turned on automatically. If the display backlight/headlight are turned off manually, they also need to be turned on manually afterwards.

Walk assistance mode

Press the  button until the  icon appears on the display. Hold (> 2 sec.)  and the bike will enter walking assistance mode. You must keep pressing the  button while the walking assistance mode is required. Release the  button, the  icon will disappear from the display and the wheel will exit the walk assist mode.



For more information download full display manual.



DISPLAY

BAFANG DP E160.CAN




IMPORTANT NOTICE:


- If the error information from the display cannot be corrected according to the instructions, please contact your retailer.
- The product is designed to be waterproof. It is highly recommended to avoid submerging the display under water.
- Do not clean the display with a steam jet, high-pressure cleaner or water hose.
- Please use this product with care.
- Do not use thinners or other solvents to clean the display. Such substances can damage the surfaces.
- Warranty is not included due to wear and normal use and aging.





For more information
download full display manual:

Switching the system ON/OFF





Press and hold  (>2 s) on the display to turn on the system.

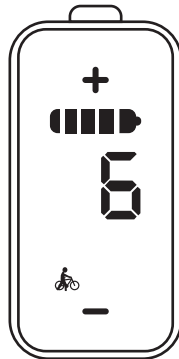
Press and hold  (>2 s) again to turn off the system.

Selection of support levels

When the display is turned on, press the  or  (<0.5 s) button to switch to support level. The lowest level is 1, the highest level is 5. When the system is switched on, the support level starts at level 1. There is no support at level 0.







Walk Assistance

When your e-bike is not in motion, briefly press the  button until the **Walk assistance** indicator  is displayed. At this point, long press the  button. The indicator  will flash when the e-bike enters the Walking assistance mode. If the release button is not pressed constantly, the walking assistance will stop. (see illustration:)



Battery capacity indication

There are 5 battery capacity indicators. When the lowest level indicator flashes, it means the battery needs to be charged. The battery capacity is shown as follows:

Indication definition	SOC	Example
5 bars	80%-100%	
4 bars	60%-80%	
3 bars	40%-60%	
2 bars	20%-40%	
1 bar	5%-20%	
1 bar flashing	<5%	



DISPLAY

BAFANG DP C 11



For more information download full display manual.

Current Speed Indication

Displays current speed in km/h or MPH.

Battery level indicator

It displays the state of charge for the battery with one to five lines. When it displays all five lines, it means that the battery has full capacity. If the battery icon flickers, it means the battery needs to be charged immediately.

Power assistant level indicator

Displays the current level from level 0 to level 5. If no number is displayed, it means no power-assistance. Symbol (bike) indicates the mode of walk assistance.






Headlight/Backlight indicator

It is only displayed when the headlight /backlight is on.

Multi-function indication

Includes single-trip distance (TRIP), total distance (ODO), maximum speed (MAX), average speed (AVG), remaining distance (RANGE), output power (POWER), riding time (TIME).

BUTTON DEFINITION

There are three buttons for C11: power (on/off mode) button  located on the back side, plus button  and minus button . "Press and hold" means press and hold for more than two seconds, briefly press means press for less than 0.5 second.






On/Off

Press and hold the power button and the display will turn on. Press and hold the power button again, the display will turn off.


Selecting power-assistance level

After turning on the display, briefly press the plus or minus button to switch the power- assistance level. Level 0 means no power assistance. Level 1 is the lowest level and level 5 is the highest level. After turning on the display, the default level is level 1.






Walk assistance mode

Press  button until the  icon appears on the display. Hold (> 2 sec.) and the bike will enter walking assistance mode. You must keep pressing  button while the walking assistance mode is required. Release the  button, the  icon will disappear from the display and the wheel will exit the walk assist mode.


Interface selection

The default interface is "TRIP" (single trip distance). Press the  button to switch between "TRIP" (single trip distance) » "ODO" (total distance) » "MAX" (maximum riding speed) » "AVG" (average riding speed) » "RANGE" (remaining distance) » "POWER"(output power) » "TIME"(riding time)

Settings:

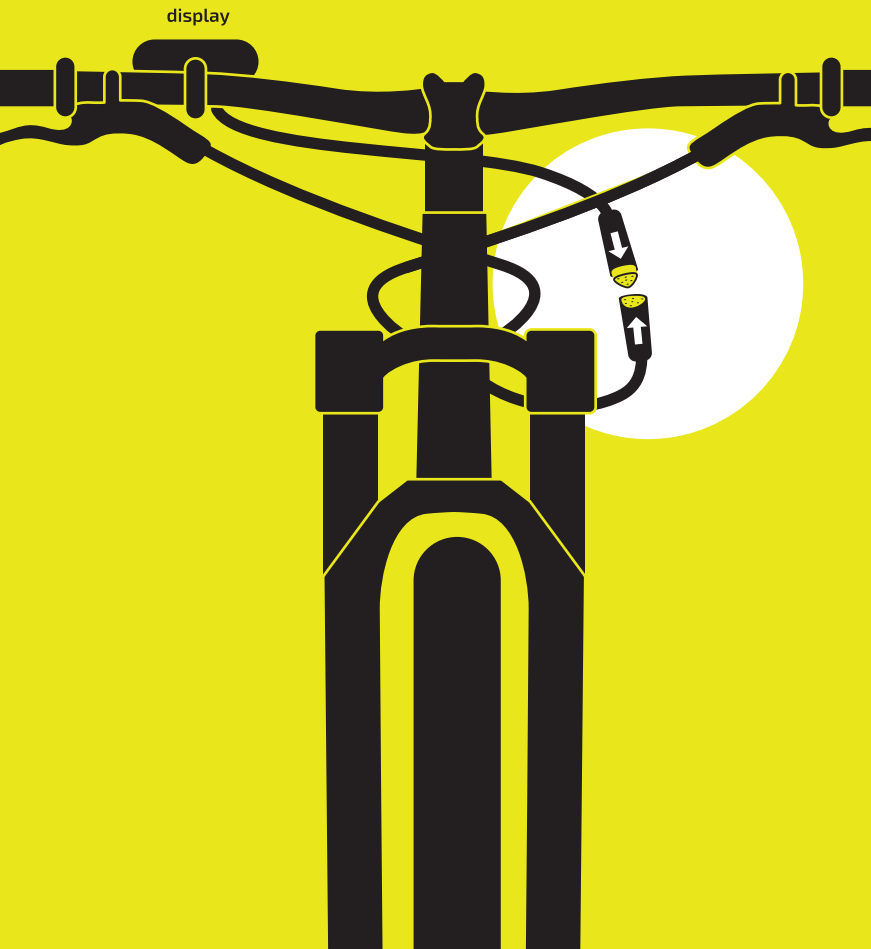
To enter the settings menu press and hold  and  buttons at the same time. Navigation is done by  and  and the selection by pressing the  button.

Turning on the headlight / display backlight

Press and hold the  button, this will turn on the backlight of the display and the headlight, the display will show the headlight icon. Press and hold the button again, it will turn off the display backlight and the headlight, and the icon for the headlight will disappear.

Battery level indication

It displays the state of charge for the battery with one to five lines. When it displays all five lines, it means that the battery has full capacity. If the battery icon flickers, it means the battery needs to be charged immediately.



Connecting the display to the system

- 1** Remove the two protective caps from both connectors.
- 2** Find the guide arrow on each connector.
- 3** Align the guide arrows and connect the connector.



APP MANUAL

GET THE APP AND BE CONNECTED

The Econic One app will keep the relationship between you and your bike live, keep your bike safe and provide you with real time location info.

Getting started:

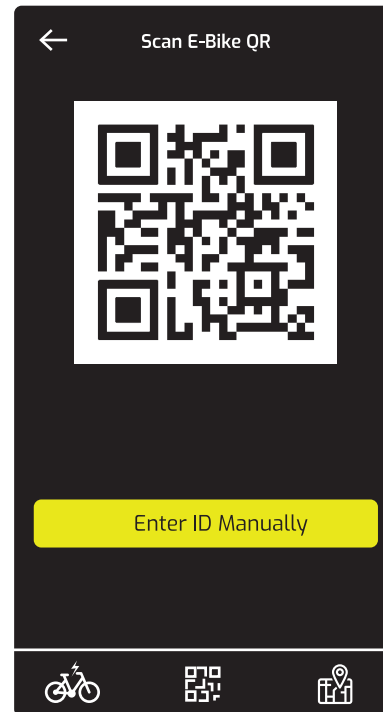
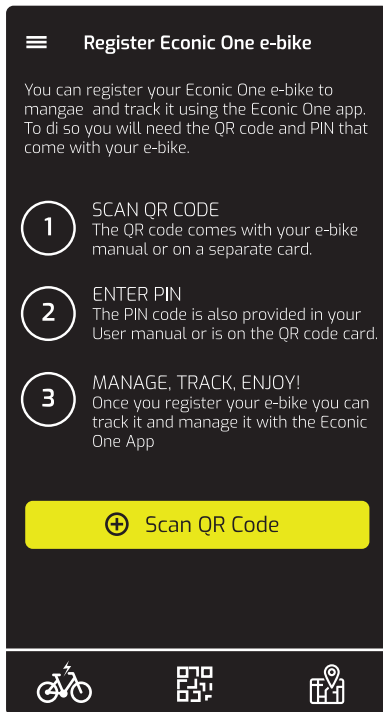
- Make sure you have an internet connection every time you use the app.
- Enable Bluetooth on your phone at least five minutes before launching the app.

- On the first launch, the app will ask for permission for connectivity and location. You will need to register a new account (or login to an existing account if you already have one).



- Click on the "Scan QR Code" to add your brand new e-bike.

If no QR code has been provided, please click "enter ID manually" - to enter the ID and the PIN of the bike (provided to you by the Econic One team).



NOTICE:
Your smartphone can only be connected to one bike at a time.



Color code for manual locking

Use your personal color code to manually lock and unlock the bike if you are not able to use your phone and the smart lock. The color code is found in the ID card with your QR code, ID number and PIN.

Follow the instructions to enter the color code:

1. Press and hold the button until the first color from your personal code is displayed (green/blue/red). Then release the button.
2. Repeat the procedure for the next color.
3. Repeat the process until you have entered all 6 colors. After entering the correct code, the lock opens automatically. The LED will flash green and you will hear a short sound signal.

If you have entered an incorrect code, the LED flashes red briefly and you can then start a new code input.

An incomplete entering of the color code will be aborted after 5 seconds.

If the color code is entered incorrectly three times in between 3 minutes, the input is blocked for 5 minutes.

Note that when you unlock the bike manually, the user interface will not update until the next time you use the app and the status will remain "Locked".





BIKE MAINTENANCE

Before your first ride:

- Charge your battery fully before your first ride.
- Get acquainted with your bike in a safe and traffic-free area.
- Note that your bike has been designed for a maximum load of 150kg (bike, accessories, rider and payload included).
- If you want to use your bike on public roads, make sure that you comply with local driving regulations, for example, those governing lights, helmets and reflective clothing. These vary from country to country.
- The bike is equipped with hydraulic disc brakes. Note that the left-hand lever actuates the front brake while the right-hand lever actuates the rear brake. In the UK the left-hand lever actuates the rear brake and the right-hand lever actuates the front brake.

- The weight distribution on this bike differs from conventional bicycles you may have had experience with. Bear this in mind when loading, parking or lifting the bike.
- Avoid wearing loose clothing such as skirts or ponchos and make sure you secure any loose straps. These can get caught in the wheels and cause accidents.
- If you wish to use a child seat with your bike, check compatibility with the child seat manufacturer first. The total weight on the bike should not exceed 150kg. This includes all bike accessories, luggage and people on board.
- If you wish to use one or more luggage carriers with your bike, check compatibility with the carrier manufacturer(s) first.
- The brakes on your bike are always more effective than the motor. If you face any issue, slow down carefully using the brakes until you reach a full stop in a safe area. After heavy use, the brake discs may be hot. Please beware.
- When mounting your bike, make sure not to step on the pedals before you sit on the saddle and get a firm grip on the handlebar and brake levers. It is recommended to start with one pedal in the lowest position.
- Be aware that stopping distances for your bike may be longer than they are for conventional bikes you may have had experience with. Under wet conditions, stopping distances may increase further as braking effect is reduced. Extra caution is required.
- The regulations on bikes with pedal assistance can change in your country. Make sure you always stay up to date by reading the daily press and government publications.



Bike maintenance:

- Do not modify your bike. This puts you at risk of accidents. Also note that modifications will void the warranty and may render the bike no longer approved for use on public roads.
- Do not perform any maintenance work on your bike unless you feel absolutely sure about it. If you have any doubt or question, contact us or your service provider.

- ✓ **Make sure that the battery is properly installed into the frame and fully locked.**
- ✓ **Check the tire pressure. There is a mark on every tyre indicating the max pressure.**
- ✓ **Check that the brakes function properly.**

- Adjust your payload to stay within the load limit of your bike which is 150kg (this includes bike accessories and the rider).



Remove the battery from the bike before doing any bike maintenance or cleaning.



The bike is not approved for steam cleaning, high pressure cleaning or cleaning with a water hose. Clean the bike using a moist rag.

- We recommend regular full mechanical check to be carried out twice a year or every 1000 km, whichever comes first.



Do not try to open or reach any part of the electrical system of the bike, this will void your warranty. There is a risk of injury and permanent damage to the bike.

- Always use genuine Econic One spare parts for the electrical system should you need any.
- If you need to disassemble the wheels from the bike, re-assemble both wheels by applying moderate pressure (5-7.5 Nm of torque for the front wheel and 35 Nm for the rear wheel).
- Brake pads are consumables and need to be replaced in a timely manner. Replace with compatible pads only.

- Tires are consumables and need to be replaced in a timely manner. For the Urban bikes we are using 47-662 (1.75x28), the maximum size for Cross-country is 60-622(2.4x29). Should you need to replace inner tubes, please use the respective sizes depending on your tires.
- As with all mechanical products, this bike is subject to wear and fatigue. Different materials and components may react to wear and fatigue in different ways. If the design life of a component has been exceeded, it may suddenly fail, possibly causing injuries to the rider. Any form of crack or change in coloring in highly stressed areas indicates that the end of life of the component has been reached and that it should be replaced.
- The chain system of your bike requires regular lubrication and cleaning.

For better range, we advise shifting according to the speed. For low speeds and setting off, low gearing is best. The higher the speed, the higher the gear can be chosen. For smooth support and optimum range, it is best to release pedal pressure while shifting gears.

- High speed, high gear.
- Low speed, low gear.



BATTERY CARE


- Charge the battery indoors only on a non-flammable surface.
- Charge the battery with the supplied charger only.
- Technical details for the charger and its intended use are indicated on the charger itself.
- Charge the battery where the ambient temperature is within 15°C to 25°C.
- Do not expose the battery or charger to direct sunlight during charging.
- Keep the battery and charger away from moisture and water during charging.
- We recommend charging the battery during the day and in dry rooms fitted with smoke detectors but not in your bedroom.
- Make sure that the battery is in sound condition (no corrosion, cracking or other damage) before using it or charging it. Do not open, disassemble or crush the battery.
- Do not use a battery or charger that is defective.
- Keep the battery and charger out of reach of children.
- Keep the battery away from fire and heat.
- Avoid leaving your battery fully discharged for prolonged periods. This will negatively and permanently affect the battery's capacity.


- Remove the battery from the bike if you do not use it for a long period of time. In such cases, it is best to leave the battery at around 50% capacity. Do this during the winter months as well.
- Make sure that the battery gets a full discharge/charge cycle at least once every two months.
- To prolong the battery life try to keep it between 20% and 80% capacity. Note that it should take around 4 charging cycles for the battery to start performing optimally.
- Lithium-ion batteries have no memory effect. It is recommended to charge your battery after every ride.




SAFETY INSTRUCTIONS

- We know you can't wait for your first ride! However, we want to make sure you are safe, so we made a quick list with the most important safety precautions for you!
- Wear a helmet and make sure it is your size and fits you well.
- Choose comfortable shoes with well-gripped soles. Avoid baggy clothes because they can hinder or get hooked.


 Do not hang bags or heavy objects to the handlebar as this can have an adverse effect on your ability to accurately and safely steer the bicycle.

 Be visible with the help of light and bright-colored clothes and light-reflecting elements on clothes and accessories. Despite that, always assume that you may not be visible.


- ✓ Get to know your new electric bike.
- ✓ Get used to the speed of your e-bike.
- ✓ Get used to handling and maneuvering your e-bike, including the safe way to stop. In general, use the rear brake first and then the front one if necessary.

 Always use a bike lane if possible.

- Remember that the sidewalks and pedestrian zones are not bike lanes.

 Ride a single line in the direction of traffic and never against it.

- In general, keep appropriate distance.
- Remember that cycling on highways is forbidden.
- Cycling at dusk or at night time should be avoided. If you cannot avoid it, be extremely careful.

 Avoid using headphones and be aware of your surroundings.

- Don't ride at a speed you are uncomfortable with. Always pay attention to parked vehicles - beware doors that open suddenly.
 - Read up and follow the regulations of your country concerning cycling.
 - Don't drink or use drugs and ride.
 - Unless you are in a separated bike line, you may only pass other road vehicles on the left.
 - Remember that on the pedestrian crossing you are a pedestrian and must get off the e-bike.
- ✓ Be predictable for everybody else on the road using the appropriate hand signals.
- Signal left turn by extending your left arm out sideways with all fingers extended or use your index finger to point out left.
 - Signal right turn by extending your left arm out sideways and bending the elbow at a 90 degree angle, hand pointing upwards. Alternative way is by extending your right arm out sideways with all fingers extended or use your index finger to point right.

- Signal slowing or stopping by extending your left arm out sideways and bending the elbow at a 90 degree angle, hand pointing downwards.



Make sure that the brakes, the bell and the headlight are in working condition.

Regularly check for loose nuts and bolts.

Keep in mind that the battery will reach full capacity and efficiency after 3-4 cycles of charge/discharge.

Keep in mind that the battery indicator is indicative and the indications depend on the terrain.

Keep in mind that when the battery is below 20%, the charge may suddenly drop down.

- Remember that you have to take care of yourself by yourself.
- Take care of (and love) your e-bike!

Be responsible!



This assembly guide applies for all Econic One Bikes.



customercare@econicone.com

econicone.com



Scan here
for warranty terms:

SERVICE INQUIRIES: customercare@econicone.com | address: Varna 9000, West Industrial Zone, Econic One eBikes factory