TREK

WATERLOO, WISCONSIN | SINCE 1976

epowered by BOSCH

ALLANT+ DISTRICT+ INBOUND+ MARLIN+

E-BIKE QUICK START GUIDE



KIOX 500



LED CONTROLLER



PURION 200

This quick start guide explains the basic operation of the Bosch system on your e-bike.

For the most current, model-specific operating information and detailed instructions, use the QR codes or web addresses below to access resources for your bike's model year.

Even experienced riders should review this guide and the following materials:

- The Bicycle Owner's Manual included with your e-bike
- The Bosch Charger Manual included with your e-bike
- The comprehensive Bosch smart system manual, found online at:

trekbikes.com/manuals

These original instructions contain important safety information and guidance on the proper use, maintenance, and disposal of your e-bike and its electrical components. If you do not have access to a computer or the internet, you can request a printed manual from your local authorized Trek retailer.

Safety alert levels

⚠ **WARNING:** *Indicates a danger with a medium level of risk which will result in death or serious injury if not avoided.*

⚠ **CAUTION:** *Indicates a danger with a low level of risk which could result in a minor or moderate injury if not avoided.*

NOTICE: *Indicates information considered important, but not hazard-related (e.g. messages relating to property damage).*

⚠ WARNING: *Failure to read and follow all instructions before using this e-bike can result in serious injury or death.*

- *Read this entire owner's manual before operating the bicycle.*
- *Save this manual for future reference.*
- *Do not allow anyone to use this bicycle without understanding its operation and safety requirements.*

⚠ WARNING: *The e-system contains electrical components. Improper service or modification can cause fire, electric shock, serious injury, or death.*

- *There are no user-serviceable parts in the electric system.*
- *Do not disassemble, modify, or attempt to repair the electric system.*
- *All service must be performed by an authorized e-bike service technician.*

A few things to know about riding your new e-bike

1. **Start slow**
   E-bikes take a bit of getting used to. Start on the lowest assist setting and take time to get comfortable with pedal assistance.
2. **Brake sooner**
   E-bikes are heavier and accelerate faster than traditional bikes. More power, more speed, and more weight. Slow down sooner than you would on a normal bike. Start braking with a lighter hand and a gradual pull of the brake levers. Always brake with both front and rear levers evenly.
3. **You're faster than you look**
   Drivers and pedestrians might not expect your speed. Ride with extra care and pay greater attention to your surroundings.
4. **All bike rules still apply**
   You're responsible for knowing and following all the rules of the road, paths, and trails in your area. With greater speed, there is greater responsibility.
5. **Extra safety considerations**
   E-bikes have unique safety considerations. Review all safety information in this manual before riding.

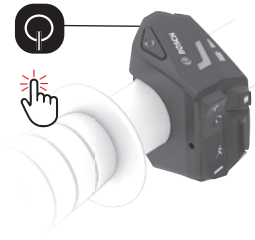
Basic controls

IMPORTANT: Read the Bosch LED Controller or Purion 200 manuals found on Bosch-ebike.com for the most up-to-date and complete instructions.

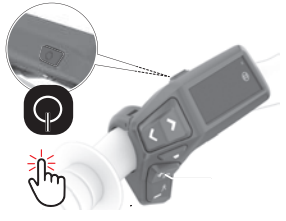
Icons for button operation: Press and release Press and hold

Bike ON|OFF

LED Controller



Purion 200



ON|OFF: Press and release
The e-system will automatically turn off if the bike is not moved, nor any buttons pushed for 10 minutes.

Pair with smartphone (for Kiox 500)

On your phone:

1. Download Bosch eBike Flow app
2. Create or sign in to account
3. Allow permissions: Bluetooth and Location

LED Controller



ON|OFF: Press and hold.
Then follow instructions on Kiox 500 display.

Lights (If wired to the e-system)

LED Controller



Purion 200



ON|OFF: Press and hold

Note: If front and/or rear lights are included with your bike, they may be programmed to turn ON or OFF when the bike is turned ON or OFF.

Pedal assistance

Select an assist mode

LED Controller

Available modes on Allant+

Red = Turbo

Purple = Auto

Blue = Tour+

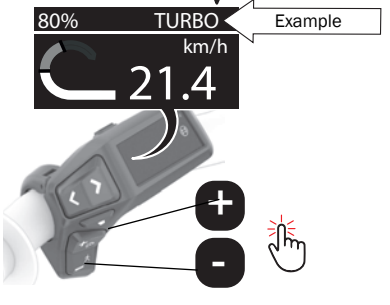
Green = Eco



Purion 200

Available modes

District+ Inbound+	Marlin+ 6	Marlin+ 8
Turbo	Turbo	Turbo
Auto	Auto	Auto
Tour+	Sport	eMTB
Eco	Eco+	Eco+



Pedal assistance

Stops when:

- You stop pedaling
- You reach the maximum assist speed (Maximum speeds vary by region.)

Restarts when:

- You start pedaling again
- You are pedaling and your speed drops below the maximum assist speed

Assist mode is shown on Kiox 500 display

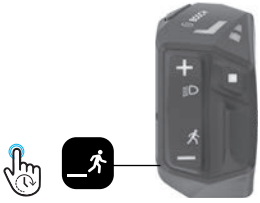
Change the mode by pressing the controller buttons.



Walk assistance

⚠ **WARNING:** *Walk assistance should only be used when you are walking your bike. Never use walk assistance when you are riding your bike, or in situations where the wheels are not touching the ground.*

LED Controller



Purion 200



Hold the button and walk the bike forward or backward. Shifting your bike into a higher gear increases the speed of walk assistance, up to the 4 mph (6 kph) limit of this function.

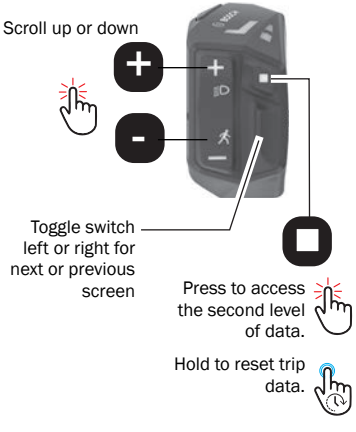
Scroll screens / change settings

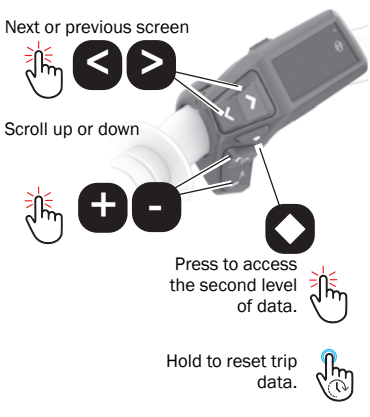
Settings: Language • Units • Time • Shift recommendation • Brightness • Settings reset

Note: Some settings cannot be accessed while riding.

To access Settings:

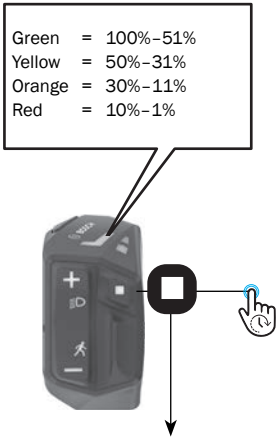
1. Press and hold the Select button (■ or ◆) to open the main menu.
2. Use the + / – buttons to select Settings then press Select to confirm.





Battery charge level

LED Controller

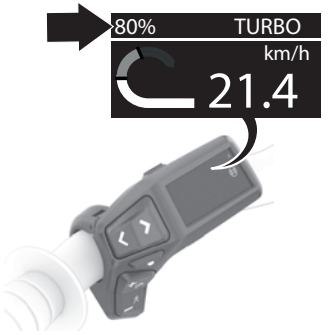


To view the battery level on the Kiox 500 display:
Press and hold the Select button to open main menu on display.
Use + / – to navigate to:
Settings → Information → Battery

Battery level on Kiox 500 display



Purion 200



Important battery information

INSTRUCTIONS PERTAINING TO RISK OF FIRE OR ELECTRIC SHOCK

SAVE THESE INSTRUCTIONS.



These instructions contain information that you must observe for your personal safety and to prevent personal injury and damage to property. They are highlighted by warning triangles.



Read the instructions completely before start-up and use. This will help you avoid hazards and errors.

Keep the manual for future reference. This user manual is an integral part of the product and must be handed over to third parties in case of resale.

⚠ WARNING: *Risk of fire. No user serviceable parts.*



Never open the battery case or attempt to disassemble, repair or modify the battery.

⚠ WARNING: *Risk of explosion and fire in case of high heat, fire or contact with water.*



Protect the battery from fire, high heat and also from extended direct exposure to sunlight.

Never immerse the battery in water.

⚠ WARNING: *Improper handling or use of the battery or failure to follow battery safety instructions can cause fire, explosion, electric shock, serious injury, or death.*

- *Do not disassemble, open, crush, or shred the battery or battery cells.*
- *Do not use the battery if the power cord, output cable, or insulation is frayed, damaged, or shows signs of wear.*
- *Use the battery only within the specified operating temperature range. For best performance, operate at room temperature.*
- *Follow all battery handling, charging, storage, and use instructions in this manual.*
- *Use only approved chargers and accessories specified for this battery system.*
- *Avoid storage in direct sunlight.*
- *Do not short circuit the battery: do not connect its terminals with one another.*
- *Do not store batteries loosely in a box or drawer where they may contact each other or other metal objects.*
- *Do not drop, strike, or subject the battery to mechanical shock.*
- *Use only batteries designed and approved for use with this e-bike.*
- *Purchase replacement batteries only from the e-system manufacturer or an authorized dealer.*
- *Keep the battery clean and dry.*
- *Use the battery only for its intended application.*
- *Do not allow the battery system to come into contact with solvents or chemicals, including alcohol, oil, anti-corrosion products, or detergents.*

- *Do not use a battery with damaged or broken seals. Dispose of the battery promptly in accordance with local regulations.*

Children and supervision requirements

- This battery system is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or persons lacking experience and knowledge unless they have received proper instruction or are under supervision.
- Close supervision is required when the product is used near children. Children should not play with the battery system.
- Keep the battery and all small components out of reach of children.
- Cleaning and user maintenance must not be performed by children without supervision.
- Do not charge or store the e-bike or battery in children's rooms or bedrooms.

EMERGENCY RESPONSE AND FIRST AID MEASURES

- Seek medical attention immediately if battery combustion gases are swallowed, inhaled, or come into contact with skin or eyes.
- If combustion gases are inhaled, move to fresh air immediately and seek medical attention.
- If electrolyte or combustion gases contact skin, remove any solid residue immediately. Rinse affected areas with plenty of water for at least 15 minutes. Remove contaminated clothing immediately and seek medical attention.
- If electrolyte or combustion gases contact the eyes, flush gently with plenty of water for at least 15 minutes. Protect the unaffected eye and seek medical attention immediately.
- If a battery or battery components are ingested, seek medical attention immediately.
- In the event of a battery fire:

  1) If safe to do so, remove other batteries from the area.

  2) Evacuate all persons from the immediate area.

  3) Use plenty of cold water to extinguish the fire (minimum of 10 times the battery's weight).

  4) Call emergency services.

NOTICE: *Battery care helps maintain optimal battery performance.*

- *If battery connections become dirty, wipe them with a clean, dry cloth.*
- *Avoid exposing the battery to sudden or extreme temperature changes which can damage the battery.*

Battery technical data

	PowerTube 360	PowerTube 540	PowerTube 600
Model #	BBP3830	BBP3850, BBP3855	BBP3860, BBP3865
Part #	EB12.100.05V	EB12.100.05P, EB12.100.05R	EB12.100.04V, EB12.100.04X
Cell type	21700 lithium-ion		
Capacity (energy)	360Wh	540Wh	600Wh
Weight	2.1 kg / 4.6 lbs	3.0 kg / 6.6 lbs	3.0 kg / 6.6 lbs
Protection rating	IP55		
Rated voltage (nominal)	36 V		
Max charging voltage	42 V		
Rated capacity	9.7 Ah	14.5 Ah	16.0 Ah
Operating temperature	23° F–104° F (-5° C–40° C)		
Storage temperature	50° F–104° F (10° C–40° C)		
Charging temperature	50° F–104° F (10° C–40° C)		
Dimensions	423 x 63 x 58 mm	424 x 71 x 67 mm	424 x 71 x 67 mm
Compatible charger	4A / 2A		

Battery technical data

	PowerTube 800	CompactTube 400
Model #	BBP3880, BBP3885	BBP3248
Part #	EB12.100.04Z, EB12.100.051	EB12.100.05Y
Cell type	21700 lithium-ion	
Capacity (energy)	800Wh	400Wh
Weight	3.9 kg / 8.6 lbs	2.1 kg / 4.6 lbs
Protection rating	IP55	
Rated voltage (nominal)	36 V	
Max charging voltage	42 V	
Rated capacity	21.3 Ah	10.6 Ah
Operating temperature	23° F–104° F (-5° C–40° C)	
Storage temperature	50° F–104° F (10° C–40° C)	
Charging temperature	50° F–104° F (10° C–40° C)	
Dimensions	424 x 77 x 71 mm	352 x 57 x 75 mm
Compatible charger	4A / 2A	

Battery and e-bike care

Charge the battery

The battery is supplied partially charged. For best performance, charge the battery to 100% before riding your e-bike.

Charge the battery in a well-ventilated area using only the charger recommended by the manufacturer.

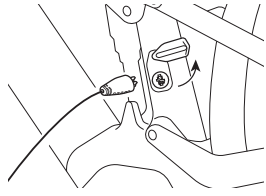
The battery can be charged while installed on the e-bike. On some e-bikes the battery can be removed from the bike for charging.

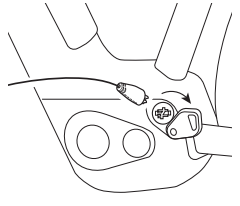
⚠ **WARNING:** *Improper charging or storage of the battery can cause fire, electric shock, serious injury, or death.*

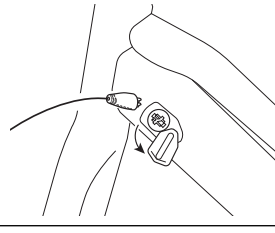
- *Charge the battery only as instructed in the charger manual supplied with this bicycle. Follow all charging safety instructions and warnings.*
- *Monitor the battery during charging. Maintain the battery at a minimum charge level of 30% to 60%. Deep discharge can damage the battery.*
- *When charging is complete, disconnect the battery from the charger. Do not store the battery while connected to the charger.*
- *Battery chargers are for indoor use with standard electrical outlets only. Do not install or use chargers in vehicles.*

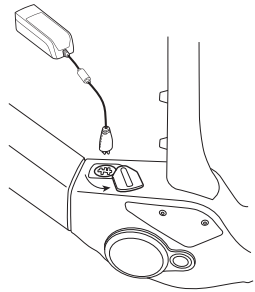
Open cover

Insert charger









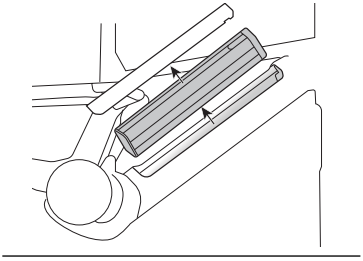
Install or remove the battery

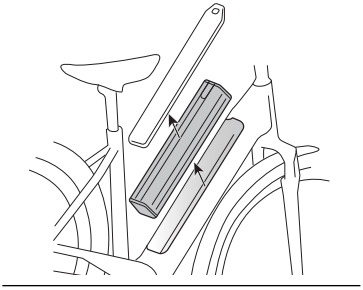
If the battery on your e-bike is removable, before installing or removing it, make sure the battery and e-bike are OFF. No LEDs should be illuminated on the remote or the battery.

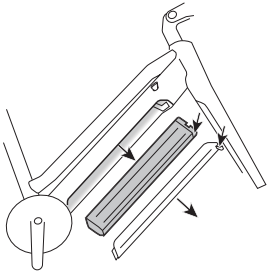


If equipped:

Turn the key to unlock the battery cover.

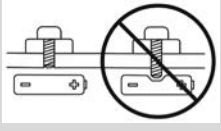






⚠ WARNING: *Improper installation of accessories or improper service procedures can cause battery damage, electrical short circuits, fire, serious injury, or death.*

- *Consult a Trek-authorized dealer before installing any accessories. Use only fasteners supplied with the bicycle or accessory. Incorrect fasteners or installation can puncture the battery or damage the electrical system.*



- *Do not use a battery that has been dropped, crushed, or otherwise severely impacted. A damaged battery can ignite. If battery damage is suspected, stop using the bicycle and have the battery inspected by a Trek-authorized dealer immediately.*
- *Before performing maintenance, turn the e-bike power off and wait for the display to go blank. Remove the battery if applicable.*
- *Do not perform electrical work while the battery is connected. All electrical service must be performed by a Trek-authorized dealer.*

Storage

After extended storage, the battery may require several charge and discharge cycles to restore optimal performance. Before returning the e-bike to use, fully charge the battery.

When possible, remove the battery from the e-bike when not in use.

⚠ WARNING: *Store the battery properly.*

- *Store the e-bike and battery in a dry, well-ventilated location away from moisture, heat sources, and combustible or flammable materials.*
- *Store the battery only within the manufacturer's recommended temperature range (0°C–40°C / 32°F–104°F). Storage outside this range can damage the battery, reduce performance, or cause the battery to ignite.*

Transport

During transport, ensure your bicycle is properly secured. Remove the battery or ensure it is securely installed. For added safety, secure the battery with a strap around the down tube.

⚠ **WARNING:** *Improper transport of the e-bike or battery can result in serious injury or death, or cause battery damage or fire.*

- *The electric drive system adds weight to the bicycle. Use only a bicycle rack approved for the combined weight of the e-bike and accessories. An overloaded or incompatible rack can fail.*
- *Do not leave the battery in a vehicle or location exposed to extreme heat or cold. Transport the battery only within the manufacturer's recommended ambient temperature range of 0 °C–40 °C / 32 °F–104 °F. Temperatures above 40 °C / 104 °F can cause battery damage, leakage, rupture, or fire.*
- *Follow all local transportation rules and regulations when transporting the e-bike, including requirements for public transportation such as buses or trains.*

Maintenance

⚠ **WARNING:** *Improper repair, maintenance, or modification of the electric system can cause electric shock, fire, serious injury, or death.*

- *Unauthorized modifications to the drive system are prohibited.*
- *If you suspect tampering or notice a change in assist behavior, stop riding immediately and contact an authorized Trek e-bike retailer.*

⚠ **CAUTION:** *Improper cleaning can damage the electrical system.*

- *Do not submerge the e-bike or any components in water.*
- *Do not use high-pressure water or hoses.*
- *Water intrusion can damage electrical components and impair system operation.*

Dispose of the drive unit, battery, speed sensor, remote, wiring, accessories, and packaging in accordance with local laws and regulations. Do not dispose of an e-bike or its components with household waste. Contact your local Trek e-bike retailer for proper recycling options.

After transport or storage, inspect the battery and e-system controls for damage before riding.

Drive unit



⚠ WARNING: *Risk of burns.*



The drive unit can become hot during operation. Contact with the drive unit or adjacent components may cause burns.

- *Do not touch the drive unit or nearby surfaces with your hands, legs, or other body parts during or immediately after use.*
- *Allow sufficient time for all components to cool before servicing or handling.*

MODELS WITH RIM MAGNETS: ALLANT+ and DISTRICT+

⚠ WARNING: *Strong magnetic field.*



The rim magnet generates a field that can impair the function of implants, medical devices, e.g. pacemakers or insulin pumps. The effect of the magnets may lead to irreversible data losses from magnetic data carriers and magnetically sensitive devices.

- *Keep the rim magnet away from implants and other medical devices.*
- *Keep the rim magnet away from magnetic data carriers and magnetically sensitive devices.*

⚠ WARNING: *Risk of pinch point.*



There is a risk of injury if your fingers or your hands get between the rim magnet and the objects being attracted by it. Injuries to the skin (e.g. from attracted metal chips), bruises, contusions or fractures can be the consequence.

- *You can avoid this by being careful and wearing the appropriate protective clothing.*
- *Do not change the alignment of the magnet with the rim.*
- *If a rim magnet is installed, no sensor is required to detect a wheel turn. The drive unit itself detects when the magnet is close to it and calculates the speed and any other data required from the frequency of the emergence of the magnet field.*
- *Avoid other magnetic fields in the vicinity of the drive unit (e.g. magnetic clipless pedals, magnetic cadence sensors, magnetic or magnetized tools, etc.) in order to prevent disruption to the drive unit.*

Compliance

Certification information for Purion 200

Certification numbers (e-labels) can be found in the status screen under:
Settings → Information → Certificates.
Scroll through all e-labels: single press the select button ( ).

Wireless information

Name	LED Controller	Purion 200
Model	BRC3610	BRC3800
FCC ID	2AWRC-BRC3610	2AWRC-BRC3800
IC	26294-BRC3610	26294-BRC3800
Frequency	2400-2480 MHz	2400-2480 MHz
Maximum Transmitted Power	1 mW	1 mW

FCC – US

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and a human body.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult your bike shop or an experienced radio/TV technician for help.

Trek Bicycle Corporation is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Any changes or modifications not expressly approved by Trek Bicycle Corporation of this device could void the user's authority to operate the device.

ISED – CANADA

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development (ISED) Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter This equipment should be installed and operated with a minimum distance of 20 cm (7.9 inches) between the radiator and a human body.

EUROPE

Trek and Bosch

CE

The equipment described in this manual is in compliance with the following EU legislation (as applies):

- Radio Equipment Directive 2014/53/EU
- EMC Directive 2014/30/EU
- Battery Regulation (EU) 2023/1542
- RoHS Directive 2011/65/EU

Full texts of EU declarations of conformity are available from your dealer, or at the following internet address: **https://help.trekbikes.com/compliance-documentation/declarations-of-conformity**

UK CA

The equipment described in this manual is in compliance with the following UK legislation (as applies):

- Radio Equipment Regulations 2017
- The Electromagnetic Compatibility Regulations 2016
- The Batteries and Accumulators (Placing on the Market) Regulations 2008
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Full texts of UK declarations of conformity are available from your dealer, or at the following internet address: **https://help.trekbikes.com/compliance-documentation/declarations-of-conformity**

Contact

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Plaza Lomas Edificio
Tangente 52 Interior Piso 5
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C.P.78215 San Luis Potosí, Mexico

South Africa
Trek Bicycle SA (pty) Ltd
The Braides Office Park
Block B - 113 Bowling Ave.
Gallo Manor, Johannesburg 2052



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