TREK

Electra

EasyMag Charger

EasyMag Charger – Owner's manual

Trek model: 5330974
Electra model: 5317629

For use only with compatible e-bike charging ports (5330831) and batteries (5316139).

This manual contains important safety, performance and service information. Read and understand it along with the information provided to you by Trek/Electra before using the product. Keep this manual for reference.

In addition to the functions outlined here, changes to software relating to troubleshooting and functional modifications may be introduced at any time.

This manual is also available online at trekbikes.com/manuals and electrabike.com/manuals.

Safety alert messages

- The combination of the safety alert symbol and the word DANGER indicates a hazardous situation that, if not avoided, will result in death or serious injury.
- The combination of the safety alert symbol and the word WARNING indicates a hazardous situation that, if not avoided, could result in death or serious injury.
- The combination of the safety alert symbol and the word CAUTION indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

General warnings

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in death, property damage or serious injury.

Save all safety warnings and instructions for future reference.

The term "e-bike battery" used in these operating instructions refers to the Trek and Electra-approved EasyMag Charger battery.

Read ALL accompanying manuals before riding the e-bike for the first time. Your e-bike comes with additional manuals and documents provided by Trek/Electra and other components. Failure to read and understand safety information can result in death or serious injury.

⚠ WARNING

This manual contains important safety, performance and service information. Read it before you take the first ride on your new e-bike and keep it for reference. The manual can also be found online at trekbikes.com/manuals and electrabike.com/manuals.

This manual is intended to be read together with the separate user manual provided with your e-bike.

Be sure to read all provided documents including labels on the product before your first ride.

Take responsibility for your own SAFETY. If you have any questions or do not understand something, consult with your local bike shop or with Trek/Electra directly.

⚠ WARNING

When the charger is wall-mounted, there may be a risk of choking for children. Keep the charger, power cable, and charger cable away from children to avoid risk of injury or death.

⚠ WARNING

An e-system adds weight to your bicycle. To avoid injury, use proper lifting techniques.

On-product warnings labels

A short version of important safety warnings with the following content can be found on the bottom side of the charger:

- For safe operation, see manual.
- Risk of electric shock.
- Indoor use only.
- To reduce risk of injury, charge only the battery supplied with your e-bike. Other types of batteries may burst causing personal injury and damage.
- Do not replace the plug assembly as risk of fire or electric shock may result.
- The following requirements have been applied to this product:
  - Safety – UL 62368-1
  - US EMC – FCC Part 15 via ANSI C63.4-2014
  - Canada EMC – ICES-003

Graphics

The bicycle shown in this manual may differ slightly from your bicycle but will be similar enough to help you understand our instructions.

Operating the charger

Safety instructions

IMPORTANT SAFETY INSTRUCTIONS – SAVE THESE INSTRUCTIONS

This manual contains important safety and operating instructions for this battery charger.

Before using the battery charger, read all instructions and cautionary markings on the battery charger, battery, and product using the battery.

Read and understand all safety warnings and instructions.

Failure to follow the below warnings could result in death or serious injury.

Save all safety warnings and instructions for future reference.

The term “charger” is used in these instructions to mean all original EasyMag Chargers.

Read and observe the safety warnings and instructions in all operating instructions for your e-bike.

It is recommended that you periodically review this information to ensure you are following all recommendations for safe use of this product.

⚠ WARNING

Only charge compatible Trek and Electra-approved battery packs with this charger. The battery pack voltage must match the battery pack charging voltage of the charger. Otherwise there is risk of fire and explosion.

Do not expose the charger to rain or wet conditions. If water enters a charger, there is a risk of electric shock.

⚠ WARNING

Not intended for operation at altitudes greater than 2,000 m (6,560 ft) or temperatures outside the operation range: 0° C - 40° C (32° F - 104° F).

Use only the original battery charger supplied with your e-bike or a Trek/Electra-approved one purchased from a trusted source. Bypassing the battery charger or the use of a non-approved or counterfeit battery charger can lead to death or serious injury.

Before charging the e-bike, make sure there is no water, metal, or any contaminants on the charging head. This can disrupt the electrical connection and may trigger a fault. The charger will go into safety mode if contaminants or metal are detected during charging.

Do not charge or use your e-bike in any area with a potentially explosive atmosphere, such as at a fueling area, or in areas where the air contains chemicals or particles (such as grain, dust, or metal powders). Obey all signs and instructions.

⚠ CAUTION

Keep the battery charger clean. Contamination can lead to the risk of an electric shock. Use a damp cloth with mild soap/water to clean the charger plug. Port on e-bike should be dry for charging.

Always check the charger, cable and plug before use. Stop using the charger if you discover any damage. Do not open the charger. Damaged chargers, cables and plugs increase the risk of electric shock.

Avoid excessive load on the device socket and the device connector. This may result in the charger becoming unusable.

Do not operate the charger and the e-bike battery on an easily ignited surface (e.g. paper, textiles, etc.) or in a flammable environment. There is a risk of fire due to the charger heating up during operation.The battery and charger housings can get hot while charging, especially when the ambient temperature is high. Use caution when touching the battery and charger while charging. Do not handle the device if it is too hot to touch.

The e-bike battery must not be left unattended while charging, especially overnight. Once the battery is fully charged, disconnect the charger from the battery. Do not leave the battery connected to the charger for an extended time period after it has reached full charge.

Keep the battery and charger away from children and animals. Unless supervised or instructed on proper/responsible use, children or people who lack the necessary experience or understanding to operate the battery and charger safely should not be left unattended with the battery and charger. There is a significant risk of personal injury and/or damage.

Persons who are not capable of safely operating the charger because of their physical, sensory or mental limitations, or because of their lack of experience or knowledge, may only use this charger under supervision or after having been instructed by a responsible person. Otherwise, there is a risk of operating errors and injuries.

When charging, be aware of the location of the charger cable. Tripping over the charger cable can result in a fall, leading to personal injury or cause the e-bike to fall over.

Do not move the e-bike or allow it to fall while it's charging. Make sure the e-bike is stable and cannot move easily.

Plug directly into an electrical outlet for charging. Do not use an extension cord or plug into a power strip. Doing so may overload the outlet.

Do not use a power converter, for example to convert 220 volts to 110 volts.

The battery charge port and/or the charger plug can get contaminated. Repeatedly connecting when contaminated can result in worn and damaged plug and port. Make sure these are cleaned thoroughly before connecting the charger.

Do not touch the terminals of the battery or charger during an electrical storm in case of a lightning strike.

Handle the charger and power cables with care. Do not tightly bundle, apply excessive tension (pull force) or carry by the cables.

Ensure the charging area is protected from the elements, dry, well-ventilated, and has a smoke detector.

Ensure the rated capacity from the power source (electrical outlet) matches the charger.

⚠ CAUTION



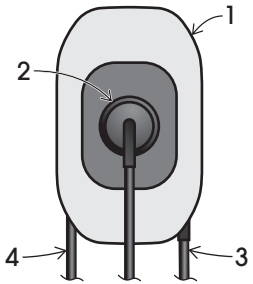
The exterior surface may become hot during normal operation, and may result in a burn. Always ensure the device has cooled before handling. If in doubt, let sit for 30 minutes after switching off before handling.

⚠ WARNING

Indoor use only.

Do not expose the charger to rain or wet conditions. Failure to keep the charger dry could result in electric shock or fire.

EasyMag Charger



Product description and specifications

1. Charger

2. Charger plug

3. Plug connector cable

4. Charging connector cable (AC)

Technical data

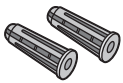
Trek charger	UMEC #UC1481A-03G / Trek # 5330974
Electra charger	UMEC #UC1481A-02G / Electra #5317629
Rated input voltage	100 VAC to 240 VAC
Frequency	50 Hz to 60 Hz
Battery charging voltage maximum	55.1 VDC
Charging current maximum	2.9 A
Operating temperature	0° C - 40° C (32° F - 104° F)
Charging temperature	0° C – 45° C (32° F - 113° F)
Storage temperature	-10° C - +70° C (14° F - 158° F)
Weight (approximate)	800 g (1.76 lb)
Protection rating*	IPX2 (Indoor use only)*
Maximum altitude during operation	5,000 m (16,404 ft) above sea level
Dimensions	116.9 mm x 175 mm x 61.2mm (4.6” x 6.89” x 2.4”)
AC cable length (approximate)	1500 mm (4.9ft)
* Protected against vertically falling water drops when enclosure tilted up to 15º.	

Parts list

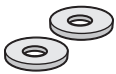
Part	Dimensions
Mount	31.8 x 127 mm (1.25″ x 5″)
Fasteners	8 x 19 x 4 mm (0.32″ x 0.75″ x 0.16″) (2x)
Washers	4 x 0.8 mm (0.16″ x .03″) (2x)
Anchors	9.7 x 26.3 mm (0.38″ x 1.04″) (2x)



Mount



Anchors



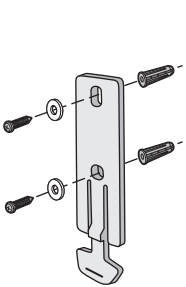
Washers

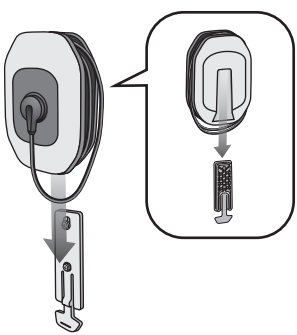


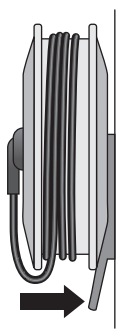
Fasteners

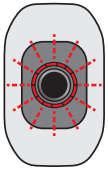
Mount the charger to the wall

1. Use the fasteners provided to firmly attach the mount to an indoor wall.
   - Use the anchors if attaching to drywall.
   - Maximum mounting height should be no higher than 6 feet (2 meters).
2. Slide the charger on to the mount from the top until you feel a click.
3. To remove, press the lower tab toward the wall and slide the charger up and off the mount.









If the charger flashes red while charging

- This indicates an error has been detected in the charging circuit. Use the following steps to troubleshoot:

1. Disconnect the charger from the e-bike port.
2. Unplug the charger from the wall power.
3. Inspect charging surfaces for water or debris and clean if necessary.
4. Reconnect charger to wall power and confirm no error code is displayed.
5. Plug the e-bike back in using the magnetic connector.
6. If error code persists, contact your local Trek or Electra bike shop.

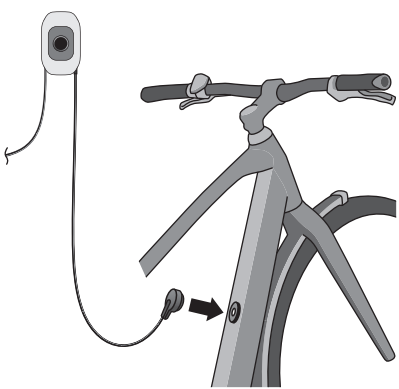
NOTE: The charger will not reset the error code unless you disconnect the wall power.

Charge the battery

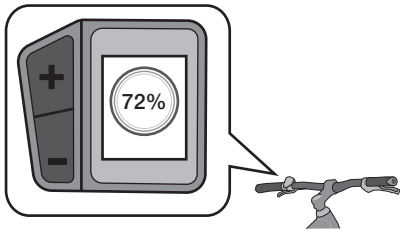
NOTE: It takes about 5.5 hours for the battery to fully charge from 0%.

IMPORTANT: The battery is supplied partially charged. For best performance, it is highly recommended to fully charge the battery before your first ride.

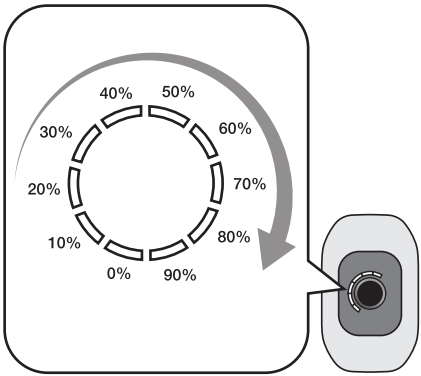
Inspect the charging surfaces for debris and clean if necessary. Place the magnetic plug on the charge port on the e-bike frame. The plug snaps into place and can rotate any direction. The charging process begins as soon as the charger is connected to the e-bike.



NOTE: The charging process is only possible when the temperature of the e-bike battery is within the permitted charging temperature range.

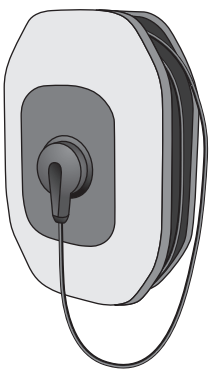


NOTE: The drive unit is deactivated during the charging process. When charging, the charging process can be observed on the display unit.



Charge process

- The fuel gauge on the front of the charger will display the charge level.
- Once the charge is complete, the lights will show a full charge for at least 24 hours and the on-board computer is switched off. The charging process is terminated.
- Turn the e-bike on to see the charge level.
- Disconnect the charger plug from the e-bike.
- Place the charge port back on the wall-mounted charger dock as shown.



Trek contact information

North America
Trek Bicycle
801 West Madison Street
Waterloo, WI 53594 USA
Tel: +1 800-313-8735

Electra Bicycle Company
364 2nd Street, Suite 140
Encinitas, CA 92024 USA
Customer Service 800-261-1644

Europe
Bikeurope BV
Ceintuurbaan 2-20C
3847 LG Harderwijk
The Netherlands
Tel: +31 (0)33 45 09 060

Australia
Trek Bicycle Corp. Au.
8 Townsville Street
(Level One)
Fyshwick (ACT)
2609 AU
Tel: +61 (02) 61 732 400

South Korea
5th floor, 312, Yeongdong-daero
Gangnam-gu, Seoul
Republic of Korea
ZIP Code: 06177

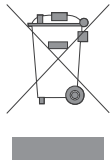
Japan
トレック・ジャパン(株)
7-28 Oide-cho
Nishinomiya-shi, Hyogo-ken
Japan 662-0036

United Kingdom
Trek Bicycle Corporation, Ltd.
Victory House South
The Park MK
Ortensia Drive
Milton Keynes
MK 17 8 LX UK
TEL: +44 1908 360 140

Recycling
Please recycle the battery.

In the US, you can find out where to do this at call2recycle:

http://www.call2recycle.org/



This symbol on the product(s)
and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery, and recycling outside the US, please take this product(s) to designated collection points. Alternatively, in some countries you may be able to return your products to your local bike shop upon purchase of an equivalent new product. Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

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

NOTICE: Changes or modifications made to this equipment not expressly approved by Trek or Electra may void the FCC authorization to operate this equipment.

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 local Trek or Electra bike shop.

Canada ICES Requirements

CAN ICES-001 (B) / NMB-001 (B)

Responsible party:
Trek Bicycle, USA
801 W. Madison St.
Waterloo, WI 53594
trekbikes.com
+1 800-313-8735

RF Exposure Compliance
This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

ce matériel est conforme aux limites de dose d›exposition aux rayonnements FCC/IC énoncées pour un autre environnement.cet émetteur ne doit pas être situées ou opérant conjointement avec toute autre antenne ou l›émetteur.

trekbikes.com
electrabike.com