

Bosch eBike Systems
FEEL THE FLOW



BOSCH
Invented for life

YOUR eBIKE GUIDE

Enjoy your ride to the max

[bosch-ebike.com](https://www.bosch-ebike.com)





Always on trend with the Bosch eBike newsletter!
Read the latest stories and eBike news. Be the first to hear about new products and features.



REGISTER NOW AT:
bosch-ebike.com/newsletter

Want to feel more flow?

As an eBike owner, you're already sold on the benefits. But you still have questions on everyday handling and technology. Perhaps you'd like to know how to look after your eBike, or how best to extend the lifespan of components?

This guide not only covers the basics. It also shows you how to enhance your eBike experience, ride more safely and enjoy each trip to the max.

Contents

Before your first trip	4
Removing and charging the battery	6
Battery range	8
Security features	10
Transporting your eBike	12
Connectivity	14

Accessories and upgrades for your eBike system

The smart system	16
The Bosch eBike system 2	18
Maintenance	20
Servicing and repairs	22
Sustainable mobility	24
Q&A	26
Imprint	28

Before your first trip

How do I get myself and my eBike ready for the road?



An eBike is much more than a conventional bike. The additional electric support delivers a lot more power. We recommend taking your time to get used to the new feel of your eBike. As you set off, the extra thrust can feel a little strange. We'll show you how to ride safely from the start – and enjoy your ride to the max.



RIDING SAFETY

For more handy tips on how to ride safely, go to: bosch-ebike.com/riding



► Get to know your eBike

The user manual explains how to use your eBike and ride safely. Your dealer will be happy to help you with any other queries.

► Wear a helmet

For your safety, we recommend wearing a helmet when eBiking.

► Make yourself seen

Always ensure your eBike is well lit, so other road users can see you. This means fitting a front light and white reflector, and a rear lamp with integrated reflector. Add to this a red reflector on the back and reflective strips on your spokes, pedals and tyres. Bright and colourful reflective clothing can also help to make yourself more visible.

► Start out with a low level of support

Your eBike is fitted with various riding modes that provide different levels of support depending on the riding conditions. Start off with a lower level of support (e.g. Eco) until you're more used to riding your eBike.

► Practise braking

eBikes are usually heavier than conventional bikes because of the additional components. They also reach high speeds faster – with a lot less effort. Get to know how your eBike handles and how the brakes work.

► Don't forget to change gears

Adjust your gears to the riding situation. Low gears work best when you first set off, or ride uphill. On the flat and at high speeds, it's time to change up. The lower the gear, the more energy you save for the rest of your ride.

► Take rider safety training

Some dealers, associations and clubs offer riding safety training. Beginners and less experienced riders can learn how to handle their eBike in adverse weather conditions.



Removing and charging the battery

How do I charge my eBike battery?



The power that keeps you moving comes from the eBike battery.

You should check the charge level before every trip. Your eBike will still work when the battery is empty – but it's easier to get where you're going with electrical assistance. Find out how to remove the battery safely and get handy tips on how best to charge it.



You can either charge your battery directly on your eBike or remove it from the mount and charge it separately.

To charge the battery while still attached to your eBike, insert the charger plug into the charging socket. If it's possible to remove your eBike battery, simply unlock it and release it from the mount. When reinserting, you will hear and feel it snap back into the mount.

Removing a Bosch PowerTube*



1 The PowerTube is fully integrated into the frame. To remove it, open the frame cover (where applicable).



2 Unlock the PowerTube with the key. This releases it from the frame. A safety catch prevents it from falling out.



3 Push the PowerTube down slightly to detach it from the restraint support. The PowerTube should drop easily into your hand.



4 To reinsert the battery, reverse the previous steps. At times, you may also have to turn the key.

Removing a Bosch PowerPack*



1 PowerPacks are mounted on the frame. To remove the PowerPack, open the lock with the key provided. Hold the PowerPack tightly at all times.



2 Grip the front upper end of the PowerPack and pull it gently towards you.



3 Slide the PowerPack upwards and remove it from the mount.



4 To reinsert the battery, reverse the previous steps. Check that the battery is inserted correctly and held firmly in place.

* N.B. The build type depends on the manufacturer. Removal options can therefore vary.



Tips for optimal charging

The service life of lithium-ion batteries depends on many different factors e.g. charging cycles and storage. Even when you're not using your eBike battery, it will gradually lose capacity.

- ▶ Be sure to charge your battery with the original Bosch charger.
- ▶ Only charge your battery in a dry area that's fitted with a working smoke detector.
- ▶ After charging, disconnect the battery and charger from the power supply.
- ▶ Avoid draining the battery down to zero, and after a trip, let it cool before charging.

Battery range

How far will my battery take me?



Your e-bike battery is not quite full, but also still not empty.

You're wondering how much further the remaining power will take you. There are many factors that impact the distance the battery covers, such as your choice of riding mode, the overall weight, and how hard you're working. There is no one answer as to how to extend your range. But follow our tips and you'll find yourself riding that little bit further.



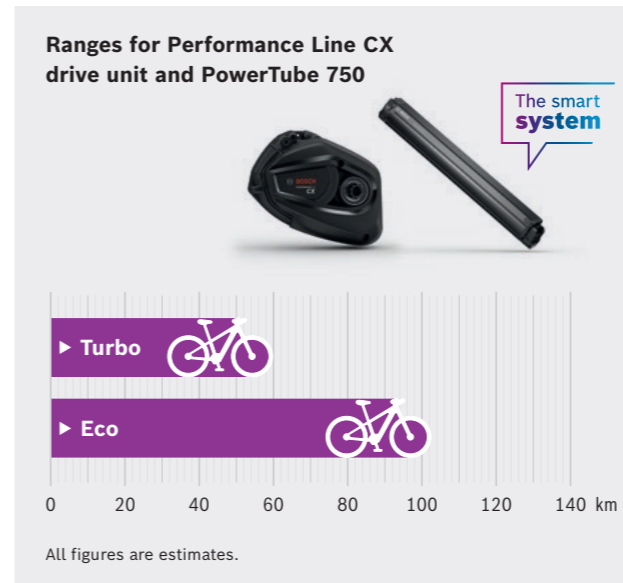
RANGE ASSISTANT FOR MORE RELIABLE PLANNING

Calculate how many kilometres of support your eBike system is likely to deliver on your next ride: bosch-ebike.com/range



Your choice of riding mode also impacts your range.

Say, for example, you're riding an eMountainbike, fitted with a Performance Line CX drive unit and PowerTube 750. If you use Turbo Mode continuously, a mode that offers strong support, your battery will last for around 60 kilometres. Alternatively, if you use the energy-efficient Eco Mode, a full battery will take you around 100 kilometres.



Enjoy the ride for longer

- ▶ **Save energy with efficient gear changes.**
Low gears work best when setting off and tackling hills. On level ground or at high speeds, it's best to change up.
- ▶ **Lighten the load.**
Keep the total weight as low as possible. Carrying less cargo makes your eBike more agile and preserves battery life.
- ▶ **Work harder.**
The less power the drive unit has to deliver, the longer the battery lasts. Invest more of your own energy to reduce the burden on the battery.
- ▶ **Keep it steady.**
The more often you brake, the more power it takes to get your eBike moving. Try to ride as smoothly as possible.
- ▶ **Get your cadence right.**
The drive unit is most energy-efficient at cadences of over 60 revolutions per minute. Slow pedalling in a high gear reduces your range.

Security features

How do I protect myself and my eBike?



Enjoying the ride means feeling the flow without any worries, riding and arriving safely, and parking your eBike securely. Relax into your ride with the right equipment, products and features. Follow our tips to ride your eBike with more care and safety. We'll show you different ways to protect yourself and your eBike.



Bosch eBike ABS **Brake safely and ride with confidence**

Bosch eBike ABS* is available on all eBikes with smart systems. This means you can brake more safely and confidently – with both brakes at the same time. It also helps to make your ride more stable, preventing your front wheel from locking and your rear wheel from lifting. You stay safe in the saddle when you have to brake suddenly – on solid ground or slippery gravel paths.

When it comes to ABS, there's no one size fits all. Every eBike is different and you need the right one for your model. Even on rough trails, your safety is guaranteed. You can enjoy the ride more and focus on your performance.

* Bosch eBike ABS can't be retrofitted.



eBike Lock **Motor support only works with the right key**

Added protection against theft acts as a deterrent, making your eBike less attractive to thieves. In the Bosch eBike system 2, the lock function automatically deactivates motor support as soon as the display is removed. In the smart system, your mobile phone acts as a digital key – the ideal supplement to a mechanical lock. Without the right key, the drive unit simply won't function.



eBike Alarm **Alarm alerts and location tracking protect your eBike**

In the smart system, the eBike Alarm syncs with the ConnectModule (► S. 17) and eBike Flow app to automatically protect your eBike. The slightest movement triggers an alarm signal. If significant movement is detected, you receive an alert on your smart phone and tracking starts automatically. You can follow the location of your eBike in the eBike Flow app.

In most cases: A mechanical lock is the best way to protect your eBike from theft. The eBike Lock and eBike Alarm provide an added layer of protection.

How do I transport my eBike?



Fancy a weekend getaway, a city break, or a longer adventure?

Use your car or public transport to get your eBike to the start of your ride. We'll show you what to look out for along the way.



By car

If you want to take your eBike with you in the car, a bike rack is an ideal solution. A towbar-mounted carrier is the most convenient option. Closer to the ground, it makes it easier to lift and secure your eBike. Always be careful to check the maximum load of your tow bar and carrier.

Tips:

- ▶ To protect the battery and display from theft or damage (e.g. from rain), remove them from your eBike and store them in your car.
- ▶ To preserve the safety and lifespan of your battery, don't leave it in strong sunlight for long periods.



By train

Taking your eBike on the train is a convenient alternative to the car, but it does require some planning. Familiarise yourself with any restrictions, and how to purchase tickets and make reservations. Try to find routes with fewer changes, or allow extra time to make connections. Be sure to adhere to restricted periods and avoid peak travel times.

Tips:

- ▶ Where possible, use the bike carriage and carefully secure your eBike to prevent it falling over.
- ▶ eBike batteries are classed as dangerous goods and subject to regulations. During travel, the battery should remain on the eBike and shouldn't be charged.



On public transport

For shorter journeys, public transport is an ideal option. eBikes are permitted on most commuter trains and tubes, although you may have to reserve a space in advance. Check with your local transport provider for current restrictions.



Good to know

eBike batteries are hazardous goods and can't be sent in the post. Taking your eBike battery on the plane is also not permitted.

- ▶ **Tip:** If you can't take your eBike with you, simply hire one at your destination.

Connectivity

Why do I need an app?



Riding is even more fun with apps – make the most of digital functions and adapt your eBike however you wish. With the right app downloaded, your smartphone turns into an information and control centre. Plan your routes and transfer them to your display or navigate via the app. View your fitness data and synchronise it with your favourite apps.

The benefits of using apps



Plan routes and use navigation

Use your smart phone as a screen on the handlebars. Or transfer routes from the app to your display. Navigation instructions during your journey help you to find your way.



Record your progress

Want to keep track of your performance and your trips? Use the in-app activity tracking to record your tour and fitness data.



Sync your data with your favourite apps.

Synchronise your eBike data with apps like komoot, Strava, or Apple Health. This turns your eBike into your training partner.



Protect your eBike from theft

Digital features provide an added layer of theft protection. For example, motor support is only activated when your eBike recognises the digital key on your app.



Discover even more functions

By choosing the right app for your eBike, you have all the info you need at your fingertips and can easily adapt your eBike to your needs.

Use an app specially designed for your eBike system

Currently, Bosch eBike Systems offers two different options – the smart system and Bosch eBike system 2. Using the corresponding app elevates your riding experience to a whole new level of fun.

Unsure which eBike system you have? eBikes with **smart systems** have a System Controller or LED Remote.



System Controller



LED Remote

eBike Flow app

The smart system

The smart system

The eBike Flow app connects you with your eBike – and connects your eBike with the digital world. It allows you to adapt the eBike to your exact needs, add new functions and keep it up to date. With the smart system, you benefit from the continual addition of new functions, and your eBike is always up-to-date thanks to over-the-air updates.



DOWNLOAD

eBike Flow app:
bosch-ebike.com/flow-app



DOWNLOAD

eBike Connect app:
bosch-ebike.com/connect



DOWNLOAD

COBI.Bike app:
bosch-ebike.com/cobi-app

COBI.Bike app and eBike Connect app

Bosch eBike system 2

For eBikes with an Bosch eBike system 2, use the eBike Connect app in combination with Kiox and Nyon or the COBI.Bike app. Enhance your ride with digital features by connecting your smartphone to your eBike.

Accessories and upgrades
for the smart system

Which products are compatible with my eBike?



Does your eBike feature the latest system generation – the smart system? Do you want to find out which new products have been released and what your options are? We are continually enhancing the smart system – check out the hardware components here to upgrade your eBike.



PRODUCT COMBINATIONS
[bosch-ebike.com/
product-combinations-smart-system](https://bosch-ebike.com/product-combinations-smart-system)



SmartphoneGrip

Your smartphone with eBike Flow app display



You can use your smartphone as a display when riding on paved roads or surfaced paths. Simply attach the SmartphoneGrip to the handlebar, open the eBike Flow app and insert your smartphone. With the SmartphoneGrip, your smartphone charges wirelessly or with a cable, and the eBike Flow app displays your ride and navigation data. The display mount is the same as for Kiox 300, so you can quickly and easily switch between the two.

Kiox 300

The smart companion for sporty rides



The display becomes your intelligent and robust companion for sporty rides. It's compact and offers an excellent, readable colour display. Start the navigation function via the eBike Flow app – your Kiox 300 will show you the way and give you the support you need on your eBiking adventures.

Intuvia 100

Intuitive and clear display



The clear display is easy and intuitive to use and offers excellent readability. Both hands remain on the handlebar thanks to the external control unit (LED Remote or Mini Remote), which is available separately.

ConnectModule

Extra theft protection with eBike Alarm



Your specialist dealer can install this component so that it's concealed on your bike. It brings you new functions such as the Bike Alarm for extra theft protection. Contact your specialist dealer to find out whether the ConnectModule can be installed on your eBike.

Mini Remote

Optional and ideal addition to the System Controller



The Mini Remote is the perfect addition to the System Controller. For greater safety and comfort, you can use extra functions (light, walk assistance, display control) and keep both hands on the handlebar of your eBike.



To keep your component software up to date, you should regularly import over-the-air updates via your eBike Flow app or take your eBike to your specialist dealer's service department.

The smart
system

Which products are compatible with my eBike?



Are you happy with your eBike or do you want to find out what other eBike components are available?

Do you fancy a bigger display or need a new charger?

Ultimately, everything comes down to the eBike system. Find out here which products are compatible with your eBike and Bosch eBike system 2. If you're unsure or would like more information, simply pop into your specialist dealer who will advise you.



PRODUCT COMBINATIONS

[bosch-ebike.com/
product-combinations](https://bosch-ebike.com/product-combinations)



Kiox

The smart companion for sporty rides



The compact and robust display for high-octane adventures: Track and analyse your training goals in the eBike Connect smartphone app – with Kiox as your digital training partner. Keep riding in the right direction with the navigation function.

Nyon

The connected all-rounder



Your reliable companion for long rides: Before you set off, you can operate the large, clear display via the touch function and, while riding, via the separate control unit. Ride to your destination safely with the map-based offline navigation.

Chargers

The chargers for your battery



► Compact Charger

Our smallest charger: the space-saving option that charges your eBike while you ride.

► Standard Charger

Our versatile charger: this option offers the ideal ratio between performance, weight and size.

► Fast Charger

Our faster charger: the ideal choice for eBikes that are used often and frequently charged.



To make sure your eBike is always up to date, you should arrange regular software updates with your specialist dealer.



UPDATES

Here's an overview of the updates for your Bosch eBike system 2:

bosch-ebike.com/software-updates



How do I maintain my eBike?



Dust in summer, mud, sludge and road salt in winter: you must remove all dirt! An eBike is a complex system. Equipped with all sorts of electronics and an energy-laden eBike battery, you must never clean it using a high-pressure cleaner. Here are some tips for effective eBike maintenance, so you can keep yours in great shape for many years.

Tips for proper eBike maintenance

- ▶ **Clean your eBike regularly.**
Ideally, you should clean your eBike after every ride so the dirt does not become engrained.
- ▶ **Before cleaning, remove the electronics.**
Remove your battery and display to protect them. If electronic parts are permanently mounted on your eBike, you can cover them with a cloth or film.
- ▶ **Use a sponge or brush.**
Never use a steam jet or high-pressure cleaner, as water can penetrate into sensitive components such as the drive.
- ▶ **Choose a suitable cleaning agent.**
Bike shampoos and cleaning agents from your specialist dealer are ideal for cleaning your eBike and are less aggressive.
- ▶ **Be careful with the disc brakes.**
Disc brakes are extremely sensitive to liquids and grease. When greasing the chain, make sure that no lubricant comes into contact with the disc brake.
- ▶ **After cleaning, carry out a function test.**
Is the battery correctly attached? Does the drive work flawlessly? Does the system respond correctly to buttons being pressed?
- ▶ **Check the components.**
In between cleaning, you should also regularly check the brakes, lights, screws and tyre pressure. If there are signs of wear and tear, the components need to be maintained.



The battery powers your eBike – the longer it lasts, the longer you can enjoy riding. What better reason to take great care of it.

Taking care of your battery

Handle your battery with extreme caution: direct impact, hard shocks and falls can cause damage, as can intense heat exposure from sunlight, which causes the battery cells to rapidly deteriorate.

- ▶ Store and charge the battery at moderate temperatures – ideally at room temperature.
- ▶ Remove the battery from your eBike for storage. The ideal battery charge level is between 30 and 60%.
- ▶ On really cold days, attach the charged battery to your eBike shortly before you set off.
- ▶ For longer rides in cold conditions, you can insulate it using a thermal protective cover. These are available for purchase from your specialist dealer.

Servicing and repairs

Who maintains my eBike?



Any product is only as good as its service. That's why we give specialist dealers and their workshop staff comprehensive training to become eBike specialists. Whether for personal advice, regular software updates, service requests or comprehensive all-round checks: together with the dealer's eBike experts, we make sure you enjoy a special riding sensation.



DEALER SEARCH

Find experts for your eBike through our Dealer Search
bosch-ebike.com/dealers



Service appointments at your specialist dealer

Regular service checks are important to keep your eBike functioning properly. Many dealers offer an initial inspection around four weeks after purchase, or after cycling 300 kilometres. After the initial inspection, the dealer should also anticipate when your next service appointment will be needed, based on the service intervals. You'll receive a reminder on your display. The specialist dealer should also regularly maintain mechanical components such as brakes, brake pads and tyre tread.



Efficient solution finder

Bosch eBike Systems provides trained specialist dealers with a Diagnostic Tool so they can quickly read any error messages and perform repairs. They can also individually configure your eBike, install new features or view the latest available software updates. Your specialist dealer will provide you with a detailed report on the servicing work they have performed.

United against eBike tuning

For your safety and to protect other road users, as well as the eBike system, Bosch eBike Systems actively opposes tuning. With eBikes, the motor stops providing power as soon as you reach 25 kilometres per hour. The Bosch software detects when an eBike has been tampered with. In this case, it switches to emergency mode and powers down support. This makes tuning unappealing and keeps you safe during your rides. But it's still possible to ride your eBike faster than 25 kilometres per hour. When cycling on straight stretches or downhill, eBikes offer the same performance as normal bikes, and you can reach faster speeds by pedaling harder.



Should you replace or repair your battery?

eBike batteries are wearing parts and all lithium-ion batteries lose capacity over time. For safety reasons, faulty, old or 'worn out' batteries should not be repaired or refreshed, but should be recycled appropriately. What's more, for your safety Bosch also strongly advises against having batteries repaired. If a battery is faulty, you must completely replace it instead.

Sustainable mobility

What difference does my eBike make now and in the future?



One thing we're sure of is that sustainability is a community project. Everyone can help to save resources and reduce emissions – especially in traffic. Our mobility is responsible for more than a fifth of all CO₂ emissions worldwide. By using an eBike, you're helping to lower this value.

Less is more:
Comparison of CO₂ emissions*



After around

800 km

you have offset the CO₂ emissions caused by manufacturing your eBike by choosing to travel by eBike instead of by car.

* CO₂ emissions (in g/km) from a pedelec in use, source: internal calculation with TÜV Rheinland Energy GmbH; all other means of transport: CO₂ equivalent emissions in g/pkm,** source: Federal Environment Agency
** Passenger kilometres



Respect and consideration

Unforgettable moments with your eBike can be perfectly combined with a mindful approach towards nature and other road users. These six principles will help you ride through nature respectfully:

- ▶ **Keep on the tracks**
- ▶ **Avoid making skid marks**
- ▶ **Adapt your speed**
- ▶ **Pay attention to other road users**
- ▶ **Show consideration for animals**
- ▶ **Prepare your routes carefully**



SUSTAINABILITY

We are committed to greater sustainability. Find more information at:
bosch-ebike.com/sustainability



Tips for sustainable eBiking

- ▶ **Charge your battery with green energy.**
Not all electricity is the same. When you charge your battery using green energy, you'll enjoy a more eco-friendly ride.
- ▶ **Ride efficiently in Eco mode.**
How much power your eBike consumes also plays a part. In Eco mode, you can ride very efficiently from A to B.
- ▶ **Make sure your eBike is checked regularly.**
With regular service appointments you can keep your eBike in great condition and extend its service life. Specialist dealers can quickly detect if something is wrong with the battery or wearing parts (such as the chain, tyres and brake pads).
- ▶ **Recycle your worn-out batteries**
When batteries are recycled correctly, this contributes hugely towards sustainability. Your eBike dealer will be happy to help and will forward your old battery to be recycled free of charge.

Q&A

Do you have any questions?



The more kilometres you ride, the more shared experiences you enjoy. As time goes by, you'll probably have some additional questions about your eBike, its components or the digital functions. And we'll give you the answers! You can find lots of helpful instructions on our products and features in our "How to" videos. You'll find answers to the most frequently asked questions in our Help Center.



We have the answers!

Help Center

You'll find answers to the most frequently asked questions in our Help Center. With the smart system, you can also conveniently access the Help Center via your eBike Flow app.



HELP CENTER
[bosch-ebike.com/
help-center](https://bosch-ebike.com/help-center)

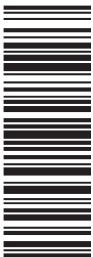
"How to" videos

In our "How to" videos you'll find answers and more helpful tips on our products and features.



"HOW TO" VIDEOS
[bosch-ebike.com/
help-center/video](https://bosch-ebike.com/help-center/video)

405428909687



Imprint

Published by:

Robert Bosch GmbH
Robert-Bosch-Platz 1
70839 Gerlingen-Schillerhöhe

Print:

Designpress GmbH
Benzstraße 39
D-71272 Renningen

bosch-ebike.com



[boschebikesystems](https://boschebikesystems.com)

© Robert Bosch GmbH – All rights reserved.