

Batavus Intermezzo Easy®

With removable battery, motor in the front wheel, and Shimano Nexus 7 hub



E-bike supported with Protanium® technology

Batavus BV, april 2009

Manual for the Batavus Intermezzo Easy®

Congratulations on your new e-bike: the Batavus Intermezzo Easy®. By carefully reading this manual, you can learn the best way to make use of this bicycle, to maintain it, and to get the most out of its battery. If you have any questions not answered by this manual, contact your Batavus dealer.

Charger and battery

Your Batavus Intermezzo Easy® is delivered with a charger for its Protanium® lithium polymer battery (shown below).

Please note: This charger is intended only for use with your Intermezzo Easy® and should not be used for any other purpose. If you use any charger than the one shown here, the battery's capacity will be affected and the Batavus guarantee shall be cancelled.



Protanium® lithium polymer battery.



Charger.



Operating display on the handlebars indicates battery capacity.



Capacity indicator with LED lamps on the battery!

Removing the battery from the bicycle

To charge the battery, you will first have to remove it from the bicycle. The connecting point for the charger is located on the front side of the battery.

To remove the battery, the keyed security lock located beneath the battery on the luggage carrier has to be unlocked. This is done by using the same key as the one used for ignition (located on the front side of the battery to the left). Next, use the handle to pull the battery out of the luggage carrier.



Key in battery lock.



Key and reserve key.



Handle located on the rear of the battery.

The initial charging

Please note: The initial charging has to fully charge the battery. Let the battery charge at least six hours until the four indicator lamps on the battery are illuminated. To check the charging status, press the button on the panel at the back of the battery close to the handle. Charge the battery after each time you use your bicycle. Once the battery is fully charged, charging stops automatically. Then remove the plug from the wall socket.

Directions for charging the battery:

Remove the battery from the bicycle (see directions given on this page).
Check to see that the two cables on the charger are attached.
Insert the charger's large plug into a 220-volt wall socket.
Insert the charger's small plug into the contact point located on the front side of the battery.
The battery will start charging immediately. As soon as the battery is fully charged, charging stops automatically. Then remove the charger's plug from the wall socket.

Explanation of the indicator lights

Number of LED indicator lamps illuminated:	Approximate remaining battery capacity
0	0 %
1	10 – 30 %
2	30 – 60 %
3	60 – 85 %
4	85 – 100 %

Please note: Always charge the battery after use, regardless of how long you just used your bicycle. By following the preceding directions, you will keep the battery in optimum condition. The battery does NOT have to be empty before charging it.



By pressing the button at the rear of the battery next to the LED lamps, you will see how many are illuminated (0-4, depending on the remaining capacity).

Putting the battery back into the luggage carrier

Step 1. Place the battery into the guide tracks located beneath the luggage carrier.

Step 2. Start sliding the battery forward along the guide tracks.

Step 3. Slide the battery all the way forward until you feel the battery make contact with the regulating pins.

Warning! Make sure that you can see the arrow on the upper side of the battery when placing the battery into the bicycle.

Lock the battery

The pin under the luggage carrier keeps the battery in place. Ensure that the pin fits properly into the battery housing. Lock the battery onto the luggage carrier by inserting the key into the lock at the back. Then remove the key since you will need it for the ignition (located in the front of the battery).

Ready to ride

Start by turning the battery on by inserting the key into the ignition located on the front of the battery to the left. Turn the key to the right to the ON position. Once the system has been turned on, the indicator lamps for the battery capacity located on the handlebar display (left handle) will illuminate.



*Ignition in the front of the battery.
The key is collapsible.*



*Operating display on the handlebars.
The lamps at the top indicate battery capacity.
The lamps beneath indicate degree of support (low, medium, high).*

Please note: Support will be felt immediately after one rotation of the pedals. To start support, press on the red POWER button on the display located on the handlebars. The bicycle will then provide a low degree of support; pressing once more provides a medium degree of support, and pressing another time provides a high (very noticeable) degree of support. (See the lamps on the display located on the handlebars.)

The action radius (40 – 100 km with a fully charged battery) depends very much on how these three support levels are used.

Power Assist System: Your e-bike is equipped with a power assist system that includes a sensor in the pedals that sends impulses to the motor. When the pedals rotate forward, the motor is activated. This system satisfies Dutch statutory provisions in that the motor is inactivated once you cycle faster than 25 km/h. You can cycle faster but the motor will no longer provide any assistance.



Sensors in the crankshaft.



Motor in the front wheel.



Ditto with roller brakes.

Hand brakes

The hand brakes are equipped with a safety switch (see the extra cable on the brake lever) that turns the motor off. As soon as your brake, even slightly, the motor will be turned off.

Maintenance

Maintenance of the motor: The motor needs no maintenance and must not be opened.

Maintenance of the battery: The battery needs no maintenance but must be regularly charged. The performance of the battery will be affected by prolonged storage or use in severe weather conditions. Never expose the battery to extremely low temperatures (i.e. below freezing) or extremely high temperatures (such as can be reached in a garage). Keep the battery at room temperature when it will not be used for a longer period of time.

By following these instructions, the battery will last considerably longer.

Storage: If you will not be using the bicycle for a longer period

of time, it would be advisable to clean the bicycle thoroughly and have your Batavus dealer prepare it for long-term storage. To prevent damage to the battery, it should be charged once every two months. **PLEASE NOTE: (THIS IS AN ESSENTIAL OPERATION THAT HAS TO BE PERFORMED; NOT DOING SO CAN DAMAGE THE BATTERY.)**

Liability

Batavus BV is not liable for accidents or malfunctions due to the improper use of the battery or charger.

Guarantee

Batavus BV provides a guarantee in accordance with the statutory provisions in the Dutch Civil Code. See the conditions listed at www.batavus.nl.

Warning

- To charge the e-bike, use only the charger delivered with it. Using another charger can damage the battery and result in dangerous situations.
- The guarantee shall be cancelled should a malfunction occur due to using the wrong kind of charger. Batavus BV retains the right to cancel the guarantee if the battery has been improperly charged.
- Disassembling or making any adjustments whatsoever to the Protanium® battery or charger is not permitted.
- Store the battery at room temperature. If the battery is stored at extreme temperatures for a long time, this can considerably shorten the battery's life span.
- Do not let the battery come into contact with water or other liquids (other than rain, hail or snow). The guarantee shall be cancelled if water or another liquid gets into the Protanium® battery. In the event that the battery comes into contact with a liquid, immediately disconnect it to prevent an explosion or electrical shock.
- Do not expose the Protanium® battery to an open flame or other source of heat. Do not place the battery immediately next to a flame or other source of heat. Heating can cause the battery to explode.
- Ensure proper ventilation during charging.
- Disconnect the battery and charger from the power network as soon as the battery is fully charged.
- Do not use the Protanium® charger to charge Ni-Cd or Ni-MH batteries.
- The Batavus Intermezzo Easy® was designed for personal transport and recreational use with a Protanium battery. The battery was not designed for such improper use as performing stunts and jumps. This guarantee shall be cancelled if you rent, sell or give away the bicycle; when you ride the bicycle with anyone else on it; or when you use it to perform stunts or jumps.
- This guarantee shall be cancelled if Batavus BV determines that damage has occurred due to repairs conducted by anyone other than an authorised Batavus BV repair person or if damage has occurred due to abuse, making adjustments, improper use, normal wear, faulty maintenance or an accident.
- The consumer is responsible at all times for the correct installation of the battery and the proper maintenance of the bicycle. This guarantee shall be cancelled in cases of damage due to improper installation of the battery or improper use of the battery or charger.
- Specifications can be revised without previous notification.