

21 USING THE CONTROL ELEMENT



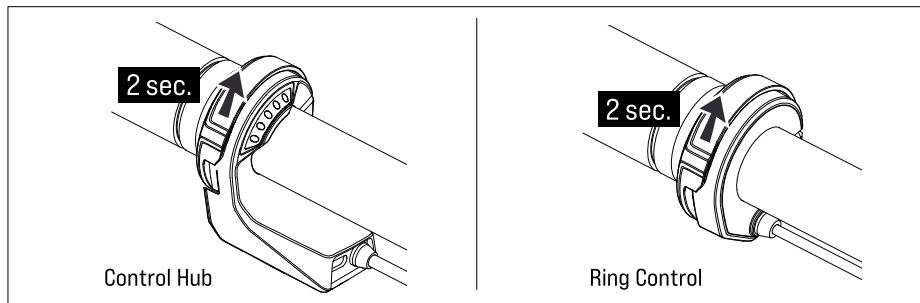
WARNING

Danger due to distraction during operation!

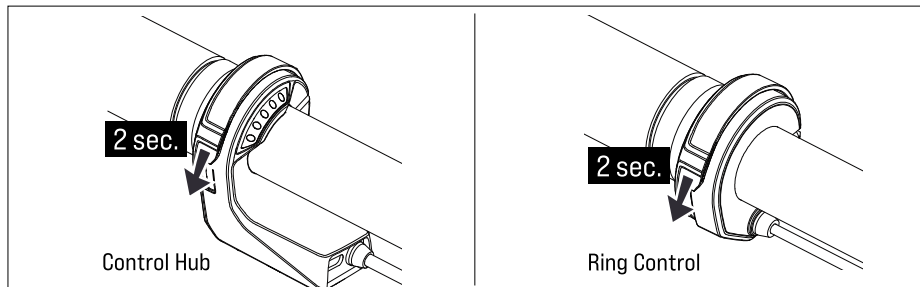
If you are distracted by shifting gears on the control or looking at the display while cycling, accidents and serious injury may result.

- Before using your e-bike for the first time, familiarize yourself with the functions and handling of your control element away from road traffic.
- Do not use the control element and do not look at the display while riding if it distracts you.

21.1 Switching the drive system on and off

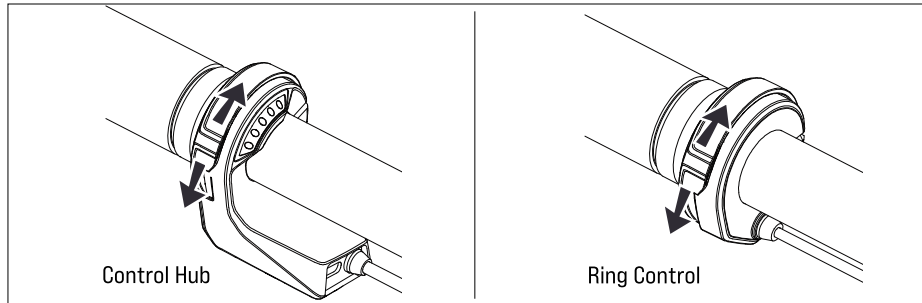


→ To **switch on**, keep the operating switch [B.1] pressed up (for at least 2 seconds).



→ To **switch off**, keep the operating switch [B.1] pressed down (for at least 2 seconds).

21.2 Setting the pedal support



You can set or change the assistance level either while cycling or while stationary.

- To switch to the **next higher** support level:
Press the **operating switch [B.1]** 1× briefly **upwards**.
- To switch to the **next lower** support level:
Press the **operating switch [B.1]** **down** 1× briefly.

21.3 Levels of support

No support (white) The LED display [B.2] lights up white.

- You ride without electric pedal support (as with a conventional bicycle).

Assistance level "Breeze" The LED display [B.2] lights up green.

- You ride with low but effective support for maximum range.

Assistance level "River" The LED display [B.2] lights up blue.

- You ride with reliable support for most applications.

Assistance level "Rocket" The LED display [B.2] lights up pink.

- You ride with maximum support for very demanding trips.



You can check and individually adjust the maximum motor power using the FAZUA Toolbox or the FAZUA app.

→ See in Chapter 5 "FAZUA app" for more information on the FAZUA app.

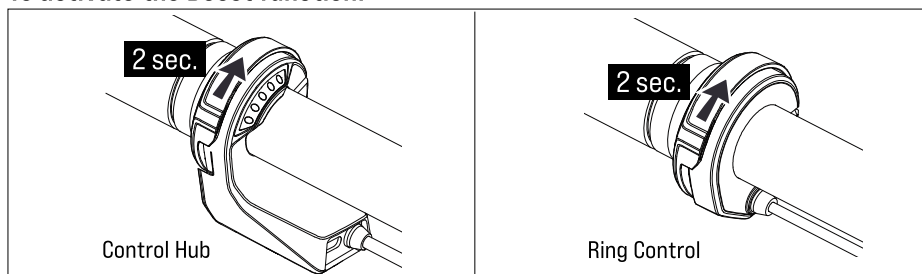
21.4 Boost function

In addition to the "regular" support levels, which you can use at any time*, the drive system has an additional function: The Boost function allows you to ride with a (higher) maximum motor power of 450 watts for a short time to momentarily give you an extra push.

The duration of the extra push due to the Boost function depends on the situation in which you activate the Boost function:

- If you activate the Boost function **from a standstill**, you receive an extra push for **4 seconds**.
- If you activate the Boost function **while already riding**, you receive an extra push for **12 seconds**.

To activate the Boost function:



→ Press and hold the operating switch **[B.1]** upwards (for at least 2 seconds).

The Boost function is deactivated automatically after 4 or 12 seconds or when you stop pedaling (e.g. to brake).



The Boost function cannot be activated if:

- you are riding at a speed of more than 25 km/h / 20 mph.
- you have not selected an assistance level (the LEDs on the display light up white).

* depending on the charge level of the battery.

21.5 "Push Assist" mode



WARNING

Danger due to distraction during operation!

Starting the drive system in unsuitable situations can result in accidents and serious injury.

- ▶ Use the "Push Assist" function only when pushing the e-bike.
- ▶ When the push assist is activated, hold the e-bike securely with both hands and make sure that the wheels are in contact with the ground.



CAUTION

Risk of injury!

If you push the e-bike with the push assist activated, the pedals rotate slowly and you may be injured.

- ▶ Be careful not to injure yourself on the rotating pedals when using the "Push Assist" function.



The "Sliding support" mode is a model-dependent function of the control. The following controls have the "slide support" mode:

- Control Hub
- Ring Control

21.5.1 General information about the mode

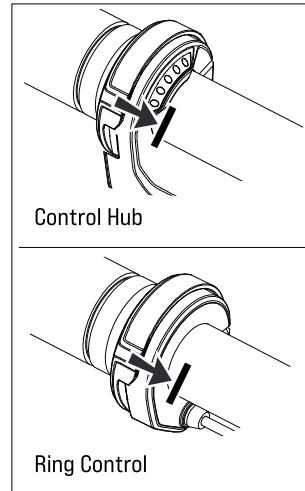
The push assist facilitates the pushing of the e-bike. In "Push Assist" mode, your e-bike can reach a speed of up to 6 km/h / 3.7 mph depending on the gear selected. You can slow down the speed of the e-bike to your walking speed by holding or restraining the e-bike.

The push assist is automatically disabled if:

- You release the operating switch,
- The wheels on the e-bike are locked,
- the e-bike reaches a speed of more than 6 km/h. / 3.7 mph.

21.5.2 Using "Push Assist" mode

1. Set the assistance level to "none".
2. Press and hold the control switch [B.2] towards the center of the handlebar to use the push assist. After 2 seconds, push assist is activated and sets the e-bike in motion as long as you keep the control switch pressed.
3. Guide the e-bike with both hands and, if necessary, brake the speed of the e-bike to your own walking speed by holding or restraining the e-bike while pushing.
4. Switch off the push assist by releasing the control switch.

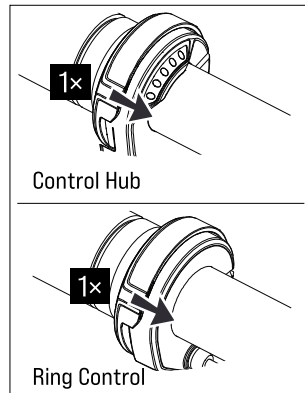


21.6 Switching the bicycle lighting on and off



This function depends on the model and is only available when a bicycle light is connected.

- Press the control switch [B.1] 1× briefly towards the center of the handlebar to switch on the bike lights.
- Press the control switch [B.1] again 1× briefly towards the center of the handlebar to switch the bike lights off again.



21.7 Bluetooth® connection

You can connect your cell phone to your drive system via the FAZUA app. Once the connection has been successfully established, the five LEDs of the LED display [B.2] flash blue 3 times.

- See in Chapter 5 "FAZUA app" for more information on the FAZUA app.

22 CLEANING AND MAINTAINING THE CONTROL ELEMENT AND DISPLAY



WARNING

Danger from accidental starting!

If the drive system is set in motion while you are handling it, you may injure yourself.

- ▶ Be careful not to start the drive system unintentionally when cleaning the control element. If necessary, remove the battery before cleaning to prevent unintentional start-up*.

NOTE

Risk of damage!

Improper cleaning may damage the control element or display.

- ▶ Never immerse the control element and display in water or other liquids for cleaning.
 - ▶ Do not use aggressive cleaning agents for cleaning.
 - ▶ Do not use sharp, angular or metallic cleaning objects when cleaning.
- Always keep all components of the e-bike and the drive system in a clean condition.
- Clean the exterior of the control element and display gently with a cloth or soft brush.
- If necessary, use a mild soap solution for the external removal of coarser soiling.

IMPORTANT: Dampen the cloth only slightly or wring it out well to prevent liquid from penetrating the inside of the housing and the connections. If liquid enters the inside of the housing or the connections, the control element and the display may be damaged.

- Wipe all surfaces dry after cleaning.

* This applies only if your e-bike is equipped with a removable battery (See Chapter 23 "Function and model variants of the battery").

BATTERY AND CHARGER

23 FUNCTION AND MODEL VARIANTS OF THE BATTERY

The battery acts as an energy supply for the electric pedal assist of your e-bike. Use the charger to charge the battery.

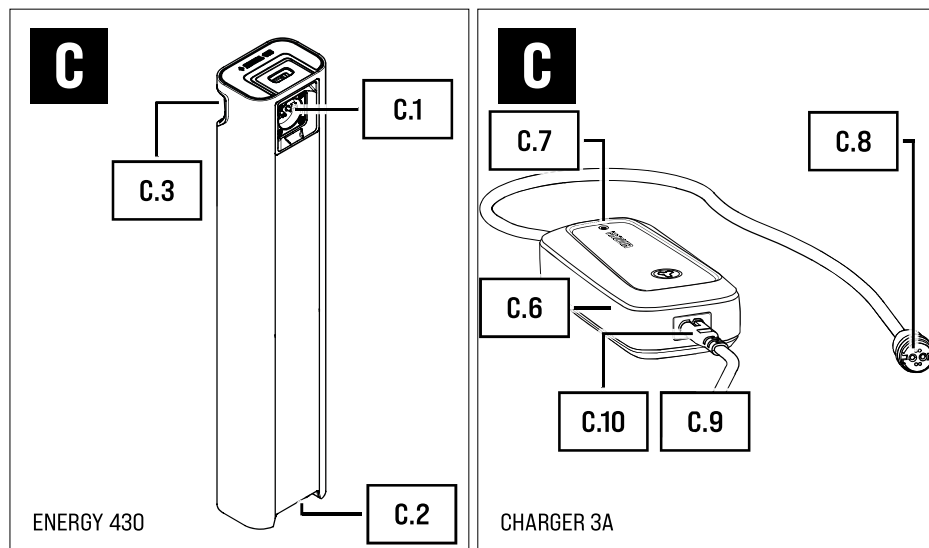


Depending on the model, the battery is either:

- permanently installed in the e-bike and cannot be removed from it;
- Or
- a separate component that can be removed from the e-bike.

24 BATTERY AND CHARGER ILLUSTRATIONS

24.1 Detailed view and part designations



Part designations

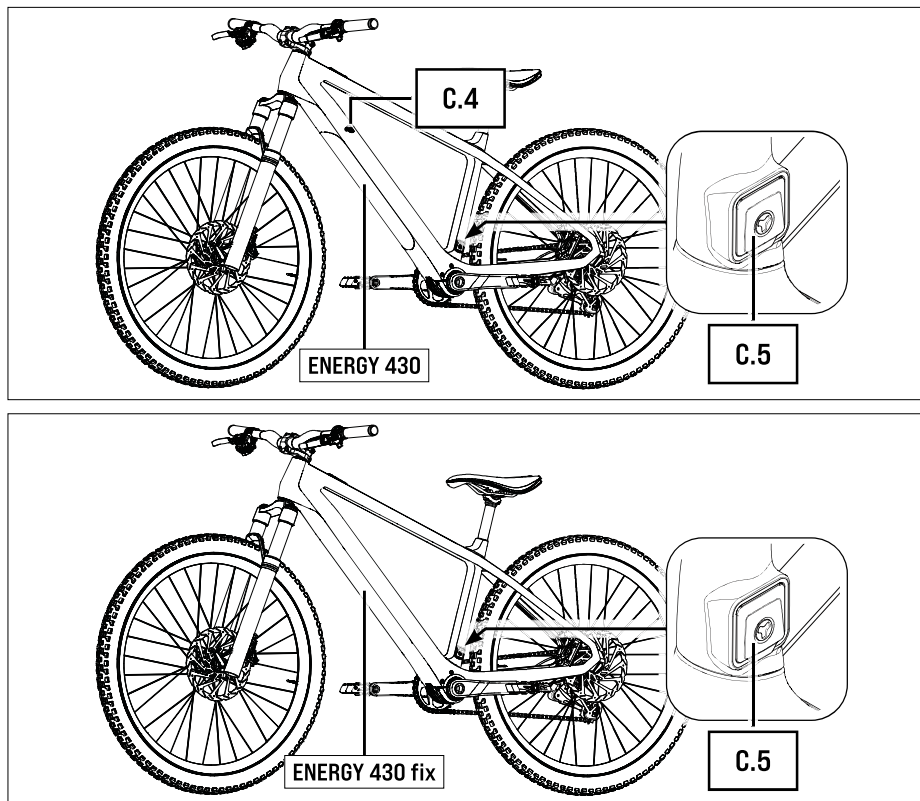
- C.1 → Charging port* (battery)
 C.2 → Interface* (battery interlock)
 C.3 → Push button* (battery lock)

* Applies only to removable batteries, not to permanently installed batteries.

Part designations

- C.4 → Cylinder lock and key*
- C.5 → Charging socket with cover flap** (e-bike)
- C.6 → Mains adapter
- C.7 → LED display
- C.8 → Charging plug
- C.9 → Mains cable with mains plug*** (power connection)
- C.10 → Plug

24.2 Position on e-bike



* Applies only to removable batteries, not to permanently installed batteries.

** Applies to removable and permanently installed batteries. The charging connection is optional. The position could vary depending on the individual manufacturer.


*** Different from country to country, therefore without illustration.

25 TECHNICAL DATA FOR BATTERY AND CHARGER

25.1 Technical data on the battery

Model designations	
Permanently installed battery	→ FAZUA ENERGY 430 fix
Removable battery	→ FAZUA ENERGY 430
Weight, approx.	→ 4.85 lbs [2.2 kg]
Operating temperature	→ 23 °F to 104 °F [-5 °C to +40 °C] [ambient temperature]
Storage temperature (< 1 month)*	→ 5 °F to 140 °F [-15 °C to +60 °C]
Storage temperature (> 1 month)*	→ 5 °F to 77 °F [-15 °C to +25 °C]

25.2 Technical data on the charger

Model designation	→ CHARGER 3A (Model STC-8207LD)
Nominal input voltage	→ 100–240 V AC
Frequency	→ 47–63 Hz
Charging current	→ 3 A
Charging time, approx.	→ 3.5 h
Protection class	→ 2 [symbol: 
Protection type	→ IP54 (when plugged in)
Weight, approx.	→ 1.32 lbs [0.6 kg]
Operating temperature	→ 32 °F to 95 °F [0 °C to +35 °C]
Storage temperature	→ 32 °F to 113 °F [0 °C to +45 °C]

26 GENERAL SAFETY INSTRUCTIONS FOR THE BATTERY AND CHARGER



DANGER

Batteries may explode!

If you use inappropriate batteries or do not handle the battery properly, the battery may explode.

- Only use the original FAZUA charger for charging.
- Never use a damaged battery!
- Never attempt to charge a damaged battery!

* Please also note the information on the storage time-dependent temperature ranges for the battery in Chapter 4 "Storage and transport of e-bikes with the FAZUA drive system".