THE ALL IN ONE **MY24**

RIDER'S GUIDE
ENGLISH

REV 1.0 – 02/2025

ZEHUS

CONTENTS

1. SAFETY

1.1 ABOUT THIS MANUAL

This manual contains contains all information regarding the safety and use of The All In One MY21 (Gen 2.1), according to the standards and regulations currently valid in the European Union.
Read these instructions carefully before using your e-bike for the first time. Keep this manual for future reference. If you do not observe the instructions, you or other persons may suffer serious injuries, and/or the drive system or individual components may be damaged.
In addition to these instructions, it is necessary to follow the manufacturer's instructions on the e-bike powered by The All In One system.
READ CAREFULLY THIS MANUAL AND KEEP FOR FUTURE REFERENCE

1.2 SAFETY WARNINGS

→ DO NOT open the unit yourself. The All In One is maintenance-free and must be repaired only by qualified experts and only with original spare parts. Any unauthorized attempt to open the unit will void warranty claims.

→ DO NOT make any modification to The All In One and DO NOT remove the anti rotational plates from your bike. This would yield to an incorrect behavior by your bike and it may result in serious injury.

→ DO NOT use the bike without the protection covers for the charging connector. Warranty is void if the bike is being used without protecting the connector.

→ Please observe all national regulations on registering and using e-bikes.

→ The term "battery pack" refers to an internal part of The All In One system. DO NOT try to access the battery pack.

→ The All In One must not be subjected to direct mechanical impacts. There is a risk that the battery pack and the electronics will be damaged.

→ Protect The All In One system against severe heat, fire and immersing into water. Do not cross puddles or streams that can reach the device. Danger of fire and explosion.

→ Vapors can escape in case of damage or improper use of the The All In One. Avoid contacts with those vapors, as they can irritate the respiratory system.

→ Charge the battery pack only with original Zehus battery charger. Damage can occur while using non original charging devices.

→ Keep the battery charger away from rain or moisture. Keep the battery charger clean. Danger of electric shock.
→ Before any charging operation, check the battery charger status (cable, plug, connectors). If any damage is detected, DO NOT use the charger and contact a qualified retailer.

→ Do not operate the battery charger on flammable surfaces.

→ Vapors can escape in case of damage or improper use of the charger. Avoid contacts with those vapors, as they can irritate the respiratory system.

→ Keep the charger out of children reach.

1.3 INTENDED USE

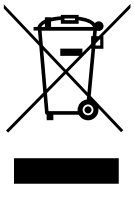
The All In One is an electric drive system to power e-bikes. It helps you in reducing your pedaling effort while you ride your e-bike, providing power assistance within a specific country related speed (EU 25 km/h

or 16 mph - US 32 km/h or 20 mph), once this speed limit is reached or exceeded, the assistance is switched off and the bicycle can be powered only through muscle strenght. It is an e-bike system that integrates all the components inside the rear hub, in particular the product encloses the electric motor, the battery and the electronics to control them, all in the same unit. The system is compliant to the EU laws on Electric Pedal Assisted biCycle (EPAC). The All In One is available in different models, which partly differ from each other due to their design and handling.

The All In One is intended to be used exclusively within the bike which was sold with. The All In One designed as electric drive systems for e-bikes used as a means of transport. Any attempt to mount it on another bike will void warranty claims. The All In One is not permitted for competition and race use.
Zehus accepts no liability for damage caused by incorrect or improper installation or improper use.
Only use the components of the drive system as described in this manual. Any other usage is regarded as unintended and can result in accidents, serious personal injury and damage to the drive system.

1.4 SYMBOLS

On individual components of the drive system, you will find specific symbols and pictograms which are listed along with their meanings.



This symbol indicates that the component marked with this symbol must be disposed of separately as electrical or electronic equipment at the end of its service life and must not be disposed of with household waste.

Detailed information can be found at 6.5 Battery disposal.

These symbols indicate that the battery (lithium-ion battery) must be disposed of separately at the end of its service life and must not be disposed of with household waste.

Detailed information can be found at 6.5 Battery disposal.

This symbol indicates that the user of the drive system or the individual components must read and understand this Rider's Guide instructions before use.

This symbol indicates products that meet all requirements for obtaining the European CE marking.

2. RIDING

2.1 BEFORE RIDING

Charge the All In One and register it with the Zehus App (chapter 3) before the use.

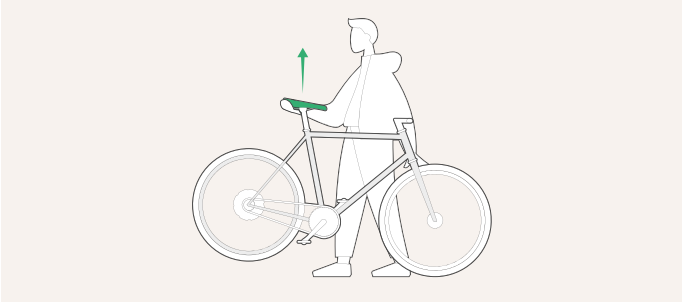
Attention!
It is recommended to gather first experience with The All In One away from roads with heavy traffic.

Check before every ride that your bicycle is working properly, it is very important to check visually and with your hands that all the components and systems on your bike are not damaged and in good condition, especially the brakes and tires.

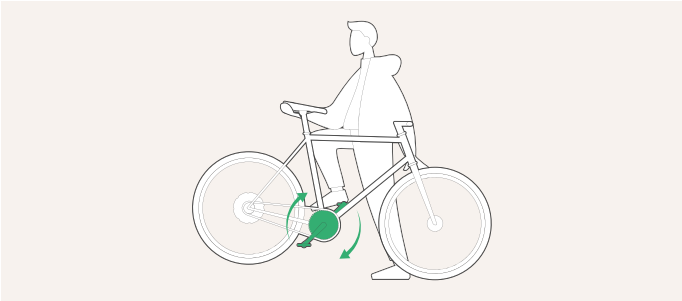
2.2 SYSTEM TURN–ON

The All In One turns on automatically when the rear wheel reaches a speed higher than 8 km/h. Thus, to turn on All In One just start pedaling your bike as usual. Alternatively, when you are stationary and off the bicycle, you can turn The All In One on in this manner:

→ Lift the bike from the saddle



→ Spin the pedals to make the wheel moving forward



2.3 SYSTEM TURN–OFF

The All In One automatically turns off when no activity or movement is detected within 2 minutes. It is also possible to turn it off through the optional Zehus Controller or via Zehus App

2.4 ACTIVATION

To be compliant with European regulations that require the e-bike's assistance to be turned on by voluntary action or command from the user, the device requires the activation of power assistance because it does not have a physical button to turn on the system and assistance voluntarily.
The voluntary action to activate the assistance consists of the 3 laps of back-pedaling to be performed once the system is turned on and speed is over 8 km/h.

→ Pedal forward to turn on The All In One automatically and reach 8 km/h

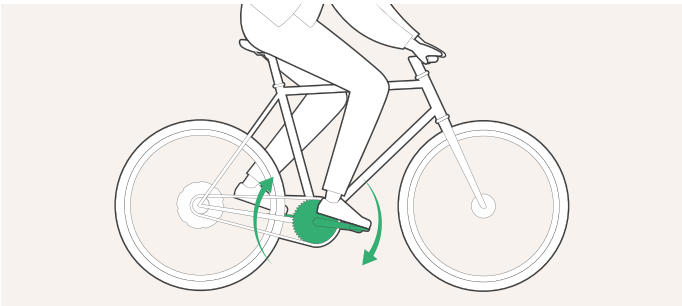
→ Pedal backwards continuously for 3 turns

Note: The bike will slow down while performing back-pedalling, due to the regenerative braking function (reference).

In addition the assistance can be activated through Zehus Controller or via Zehus App.

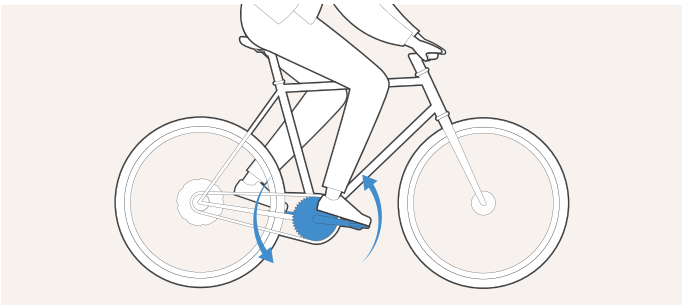
2.5 POWER ASSISTANCE

The motor assists the rider up to 25 km/h and with a maximum power of 250W just if you are pedaling. As soon as you stop pedaling, the motor will stop providing power. As soon as the motor exceed the country specific speed limit it stops providing assistance.
The power delivered depends on several factors including the bike speed and the pedaling speed, depending on the selected power mode. The default power mode of The All In One is the “turbo” mode. (Change the power mode REFERENCE).



2.6 REGENERATIVE BRAKING

The All In One features a regenerative braking function allowing you to slow down the bicycle using the electric motor as a generator recharging the batteries through the integrated Kinetic Energy Recuperation System (KERS). To activate this you need to pedal backward. As soon as you stop pedaling backwards, the motor will stop braking. Regenerative braking can also be enabled using Zehus Controller.



Attention!
Regenerative braking DOES NOT substitute mechanical brakes and WILL NOT BE AVAILABLE when your The All In One is fully charged. Please do NOT remove the mechanical brakes from your bike.

2.7 AFTER RIDING

After your ride check the integrity of your vehicle and the system to prevent damages and malfunctioning. Keep your All In One charged and synchronized with the App. Please observe the operating storage temperature of the all in one. Protect the charging connector from impacts that can damage it. The components can be damaged if exposed to extreme temperatures.

2.8 CHARGING

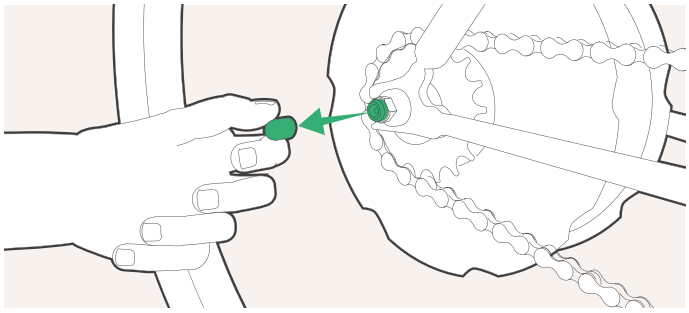
To charge The All In One, simply remove the protection cap from the charging connector and plug in the charger.

Note: Charger needs to be connected to a power outlet 110~240 V.

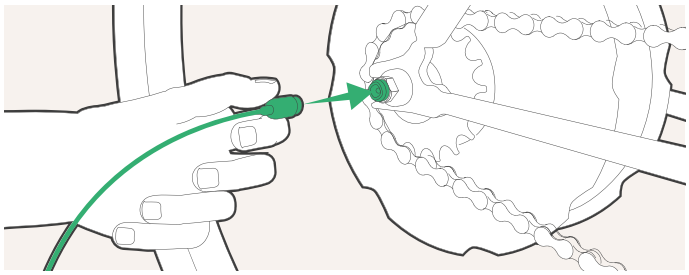
The charging time is approximately 3 hours for a complete charge. While The All In One is charging the charger LED must turn RED. When it is completely charged, the charger LED turns GREEN.

Once charging is completed disconnect charger from the hub and re-install the protection cap to cover the charging port.

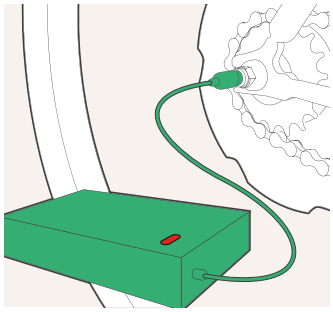
→ Remove the protection cap

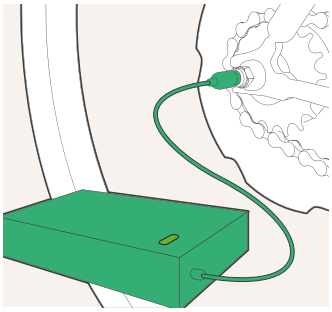


→ Insert charger plug

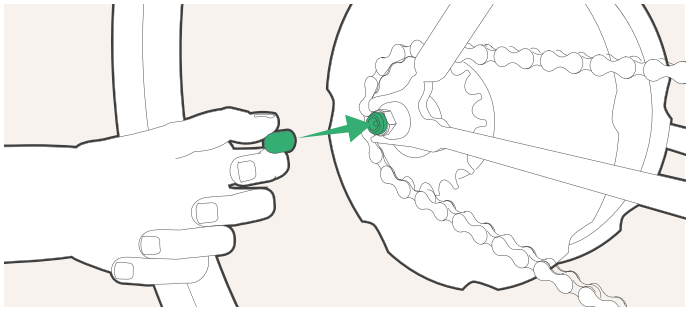


→ Wait for the charger green LED to indicate charge completed



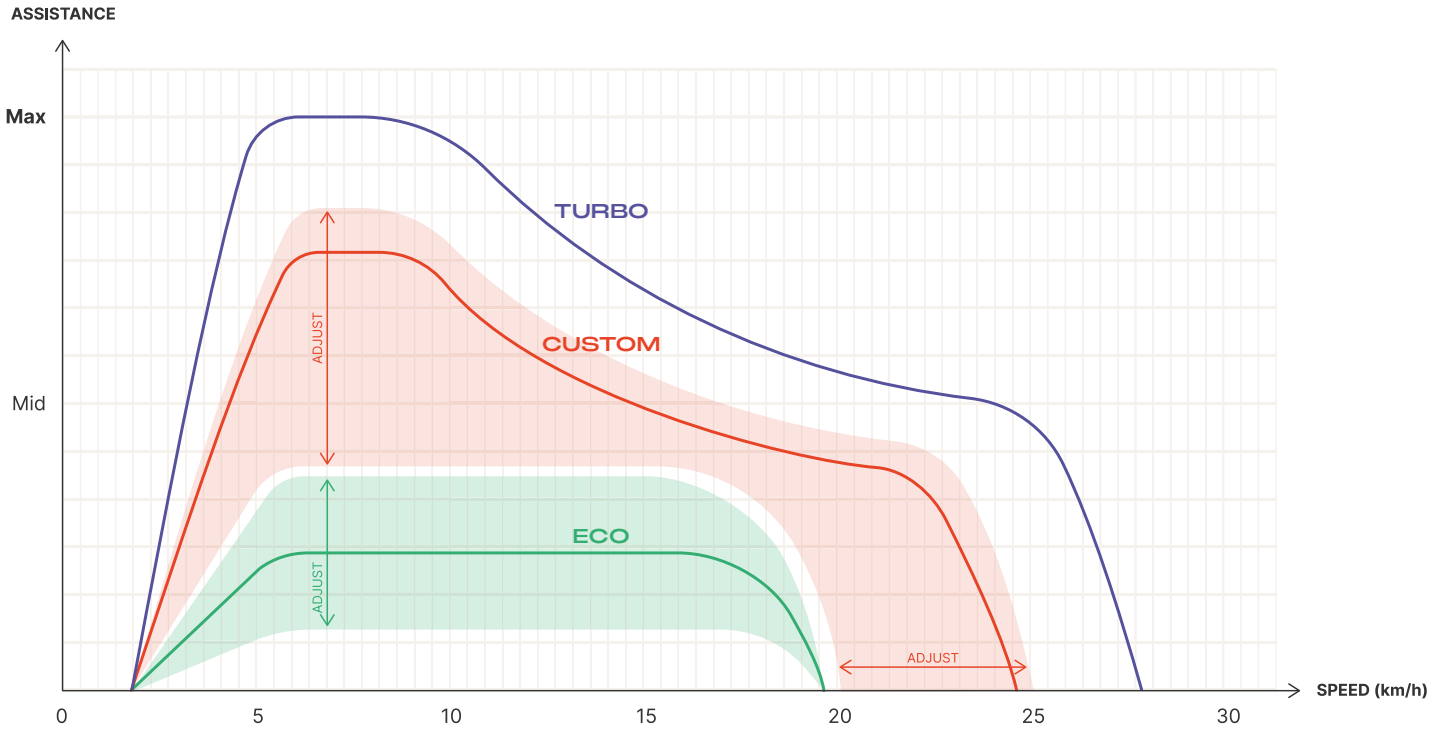


→ Re-insert the protection cap



3. POWER MODES

3.1 HALOS



HALOS POWER MODES DIAGRAM

Off
Off provides no assistance to the cyclist, so the e-bike is similar to a muscular bike, however it maintains the backpedal regenerative brake.

Note: in this mode there is no boost available.

Eco
Eco deploys soft motor assistance until 20km/h (12mph), allowing to save battery power for more demanding conditions.

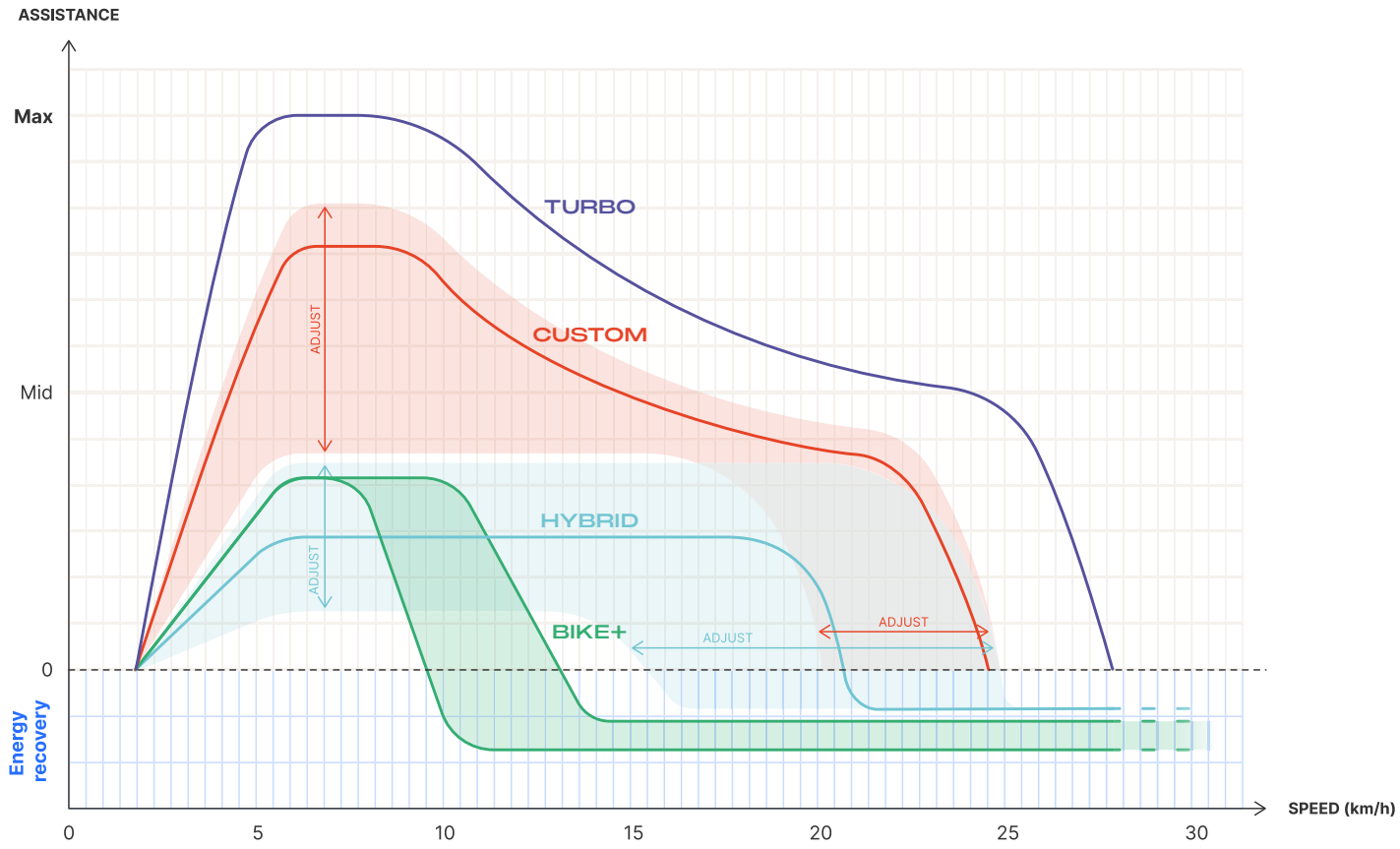
Custom
Custom is a customizable power mode in terms of level of assistance and speed until which it is deployed, you can set these values in the app.
It provides more power than Eco but always less than Turbo until 25 km/h (16 mph), it is a mode to balance a good amount of assistance with moderate energy consumption.

Turbo
Turbo is the most powerful mode you can select, it will give all the power of the motor up to 25km/h (16 mph).

3.2 HORIZON

Off
Off provides no assistance to the cyclist, so the e-bike is similar to a muscular bike, however it maintains the backpedal regenerative brake.

Note: in this mode there is no boost available.



HORIZON POWER MODES DIAGRAM

Bike+
Bike+ is a unique mode to give you the sufficient amount of assistance you need to optimize the energy management. Thanks to its adaptation it is deploying the power or regenerating it according to the speed and road slope.
When the road is flat and the speed is above 13km/h (8 mph) the system is starting to recover a small amount of energy, thus you feel a slight resistance when rolling. When it detects an uphill condition it increases the assistance to let you climb easier, when it detects a downhill situation it applies the regenerative braking to slow you down and recover energy.
In this mode there is also the possibility to backpedal to brake and recover energy and to use the boost function.

Hybrid
Hybrid is a smart power mode, sensitive to road slope in a similarly to BIKE+. In this mode you can decide the cut off speed between 15 and 25 km/h (9-16 mph).

Custom
Custom is a customizable power mode in terms of level of assistance and speed until which it is deployed, you can set these values in the app.
It provides more power than Hybrid but always less than Turbo until 25 km/h (16 mph), it is a mode to balance a good amount of assistance with moderate energy consumption.

Turbo
Turbo is the most powerful mode you can select, it will give all the power of the motor up to 25km/h (16 mph).

3.3 BOOST

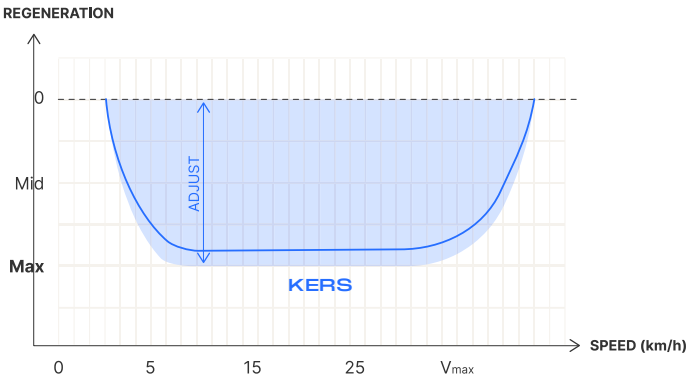
The boost is a function that you can activate for all models only through the optional Zehus Controller, it provides a temporary extra power to 500W.
In The All In One Pulsus this function stops at 20km/h.

3.4 ADVANCED CUSTOMIZATION MODE

The advanced mode enables the possibility to fine tune the customizable parameters of the power modes. Enabling this mode amplifies the range of values to set for the slider in the customization pop-up of the Zehus App. Disabling this mode restores the default values for the customizable power modes.

3.5 KERS

The integrated Kinetic Energy Recovery System allows the motor to collect braking energy to recharge the batteries. KERS intesity is customizable from zero to maximum to balance the desired braking effect with the energy recovery.



Further than charging back the battery it is useful while descending a hill to reduce brake usage or in towns to slow down before a stop. It is possible to customize the K.E.R.S. intensity via app, from off to 100 to set the desired strenght of braking.

3.6 RANGE

The range of The All In One models depends on many factors as:

→ Power mode

→ Tire size and pressure
→ Road conditions and route profile

→ Temperature and headwind

→ Bike and cyclist weight and any luggage

→ Battery age and use conditions

→ Cyclist pedalling effort

The All In One models range table:

HALOS

Power mode	Average range
Eco	50 km
Custom	35-45 km
Turbo	30 km

HORIZON

Power mode	Average range
Bike+	∞ km
Hybrid	35-70 km
Custom	40 - 45 km
Turbo	35 km

4. ZEHUS APP

The Zehus App lets you register, configure and use the All In One. It is necessary to register the first time your vehicle to be able to use it.

Note: after registering your All In One, you will be able to use your bike also without a connected device!

Download the Zehus App from the Appstore or Google Play, then open it and register your account
Once your account has been created, you will be able to register one or more devices to it.

ZEHUS APP

4.1 THE ALL IN ONE REGISTRATION

To register your All In One to your account open the Zehus App, Once performed the login, follow the on screen procedure on the App to register your All In One. Before starting the procedure we recommend you prepare your charger and assure you have a stable internet connection while registering.

Note: every Zehus device can be registered ONLY to one account. Please be sure to un-register your vehicle before landing or selling it.

Note: Charger is recommended for the registration. Please remind that if you plug your charger off the All In One will turn off automatically and connection will be lost.

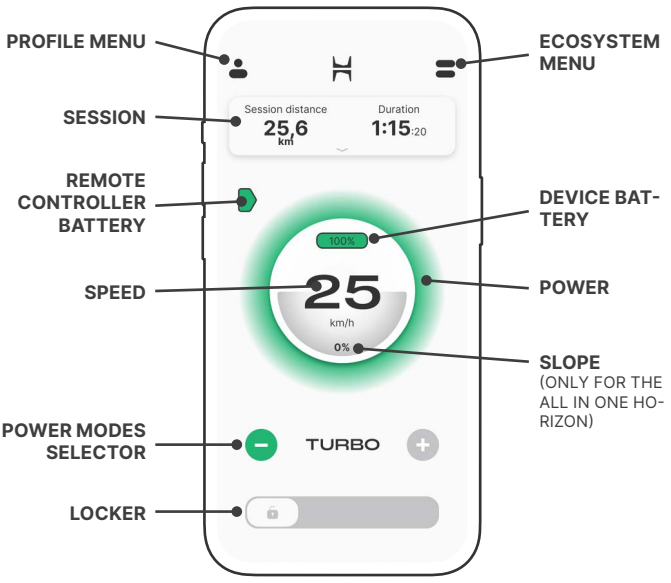
If your All In One firmware is not updated, the Zehus App requires you to update the firmware to complete the registration.

4.2 DASHBOARD

The main page of the app is the dashboard, whenever it is connected to The All In One, an advanced dashboard is shown. Here you can access the profile and other menus, read the ride statistics, check battery status and manage the device.

Below the top bar with the menus, there is the statistics box where you can read the info of your riding. At the center of the screen there is the power ring that visualizes the assistance or regeneration level.
Inside the ring there is all the necessary information, namely the speed, the battery and the slope indication (only for The All In One Plus). in the lower part of the screen it is possible to increase and decrease the power mode and to lock or unlock the vehicle.

The navigation through the power modes is possible with the + and - buttons, certain power modes offer the customization with a button over the icon. The customization involves the speed until which the motor assists you, the level of assistance (for detailed info see chapter 3).



4.3 LOCK FUNCTION

This function allows you to lock the motor when you park the bike so that it is not usable if someone manages to steal it. This function makes your bike very difficult to pedal on. You can lock and unlock the motor through the slider on the dashboard.

Note: lock is available when the battery state of charge is higher than 20% and the bike is at 0 km/h.
Lock will stay active until an authorized user connects to The All In One via Zehus App and unlocks it. When it turns off, the wheel will be released from the braking force. As soon as it turns on again (speed higher than 5 km/h), the wheel will be safely locked again.

Attention!
The embedded electronic lock will not prevent thieves from stealing your bike. Please use an additional mechanic lock during prolonged stops.

4.4 REMOVE THE DEVICE

Your All In One can be only registered to one user. It is then important that when you decide to lend or sell your bike you perform the unregister procedure from the "My Vehicles" menu.

Note: it is not necessary to be connected to The All In One to remove it from your account.

Note: Removing The All In One from your account will NOT remove the link between it and a previously paired Remote Controller.

4.5 CALIBRATION PROCEDURE

(only for The All In One Horizon)
The All In One Horizon features an advanced slope sensor that is very important to obtain the correct and pleasant behavior while using some of the power modes (See chapter 4).

Note: If you have The All In One Horizon Zehus App requires you to calibrate your device during the registration, or you can do it later from the motor page.

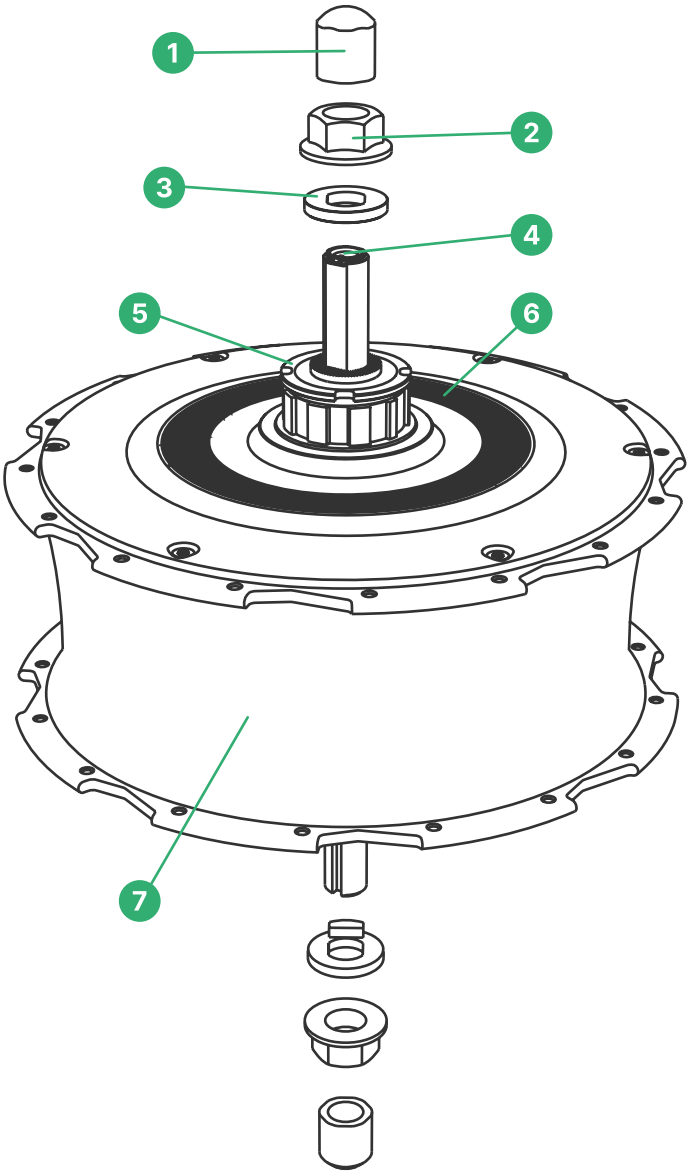
A wrong or missing calibration could lead to a non correct and unpleasant behavior of your bike. In order to calibrate the slope sensor, please place your bike on a flat surface (0% slope). Then start the procedure from the dedicated section in the app.

Attention!
Please DO NOT MOVE the bike during the calibration procedure! Errors may occur if the bike is moved or inclined during the process.

5. DRIVE UNIT

5.1 SYSTEM

The components of The All In One are listed in the diagram below:



1. Protection caps
Screwed on the shafts to protect the charging port and shafts.

2. Hexagonal nuts
Bolted on the shafts for tightening the wheel in place. Follow the instructions for correct mount and tighten torque ().

3. Anti-rotation washers
Installed on both shafts to counter balance motor torque on the bike frame. According to bike manufacturer they can be installed both inside or outside frame dropouts, to manage O.L.D. variations.

4. Charging connector
Fixed on the drive side shaft. It is replaceable via Zehus Service network.

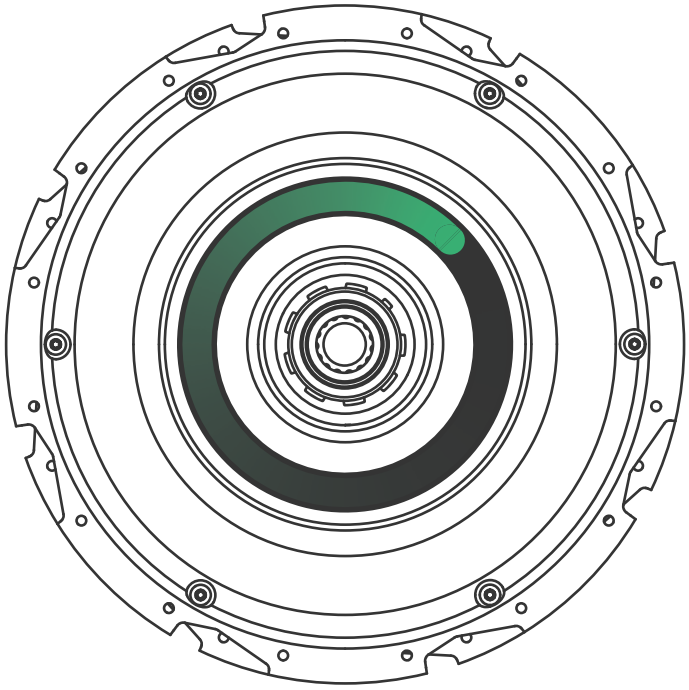
5. Lockring
Variants for single speed or multispeed models, for tightening sprockets or cassettes on freewheel body. Check the correct lockring according to The All In One model.

6. Plastic ring
Plastic ring on body cap with LED indicator showing relevant status of the system (5.2).

7. The All In One body
Cap and chassis assembly which contains the e-core with smart motor and battery pack. The chassis body is laced via spokes to the rim to assemble the rear wheel.

5.2 LED INDICATOR

The drive side LED indicates relevant status regarding The All In One, in particular battery state of charge, charging status and connection with smartphone.



Battery state of charge

Fixed **Green** fixed indicates battery level during discharge in the interval 100-41%.	**Blink** **Green** blinking indicates battery during charge has a soc in the interval 41-100%.
Fixed **Yellow** fixed indicates battery level during discharge in the interval 40-21%.	**Blink** **Yellow** blinking indicates battery during charge has a soc in the interval 21-40%.
Fixed **Red** fixed indicates battery level during discharge in the interval 20-0%.	**Blink** **Red** blinking indicates battery during charge has a soc in the interval 0-20%.

Errors and status

Fast blink
Fast blinking LED **Red** light indicates there is an error occurring in The All In One system functioning. If this happens, perform a Fix It diagnosys through the Zehus App or contact Zehus support to receive help to solve the issue.

Fast blink
5 times fast blinking **Blue** light indicates successful connection of The All In One with your smartphone.

Fast blink
Fast blinking **White** light occurs during device boot up.

Blink
Blinking **Purple** light occurs when device is not registered with app.

5.3 ACCESSORIES

The All In One system functioning can be expanded with Zehus Controller to access quick actions to command your system.

The wireless Zehus Controller pairs to your Horizon or Halos to quickly change power modes, activate the assistance and turn-off the system. It can be mounted on the handlebar with the dedicated mounting support.

More information regarding the Zehus Controller here: https://www.zehus.it/accessories/controller

Sigma displays?

5.4 TECHNICAL INFO

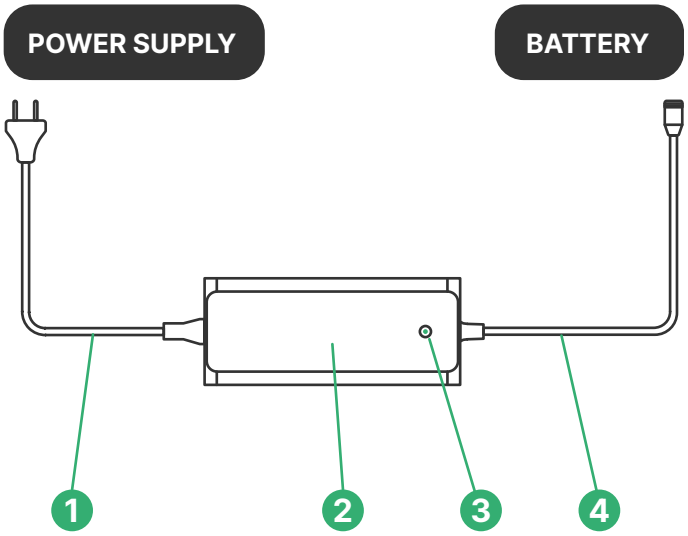
The All In One is an e-bike powertrain system integrating all the components in the rear wheel hub. The battery pack, electric motor and the electronics are contained in the hub chassis configuring a single unit

Drive unit	
Rated power	250 W
Maximun torque	40 Nm
Battery pack	
Rated voltage	28,8 V
Rated capacity	6000 mAh
Energy	194,4 Wh
Hub	
Weight	3,2 Kg
Operating temperature*	-10 +40 °C
Storage temperature**	0 +40 °C
Charging temperature	0 +40 °C
IP rating	IPX4

5.5 CHARGER

Charger components

1. Power cord
2. Charger
3. LED indicator
4. Charging connector



Usage

Connect the charger with the system first and then to the power supply (100-240V AC).
When charger LED light is green (The All In One battery is fully charged), it has to be disconnected from the system and power supply.

Warnings

Read carefully these instructions

→ This appliance is not intended to be used by persons (including childrens) with reduced physical, sensory or mental capabilities, or lack of experience and knowledgeunless they have been given supervision or instructions concerning use of the appliance by a person responsible for their safety.

→ Children must not play with the appliace.

→ Charge only The All In One battery with this appliance.

→ Do not attempt to open, disassemble, modify or repair the charger by yourself. This could cause risk of danger or death for you or another person.

→ Do not use the charger in high temperature, moist inflammable or explosive outdoor environments.

→ Disconnect the power supply before making or breaking the connections with the battery.

Troubles removal

If the LED indicator light does not illuminate:

→ Check whether the AC cord is in good connection with power supply (100-240V AC) or not.

→ Check whether the charger is in good connection with the battery.

→ Check whether battery is in good condition or not.

If the charger is still not working, do not attempt to repair it by yourself. Attempting to open and repair the charger voids the warranty.Please contact Zehus support to receive assistance.

Technical info

Rated input voltage	110/220 V
Range of input voltage	100-240 V AC
Range of input frequency	50-60 Hz
Efficiency	> 90%
Output inrush current	< 12 A
No Load Power	≤ 2 W
No Load Current	≤ 70 mA
PF	≥ 0,45
Rated output voltage	32,4 V
Output Current	2,0 A ± 0,2 V
LED indicator turns to green	270 mA ± 50 mA

6. BATTERY

6.1 CHARGING

Always charge the battery of your All In One to avoid full discharge that could damage its power. Please follow the instruction contained on the label of the battery charger. It is recommended to charge the battery in a safe environment, clean and protected by water.
It is recommended not to charge the battery at night. Charge The All In One battery only with its original charger. Using a different charger damages the battery.

6.2 SAFETY WARNINGS

Handling of Li-Ion battery cells - risks and precautions.

The user must have appropriate understanding of lithium-ion batteries before purchase.
Use caution when working with and using lithium-ion batteries as they are very sensitive to charging characteristics and may explode, burn, or cause a fire if misused or mishandled.
Always charge in or on a fire-proof surface.
Never leave batteries charging unattended.
The batteries are sold for the use of system integrations with proper protection circuitry or battery packs with a battery management system or PCB (circuit board/module).
Buyer is responsible for any damage or injury caused by misuse or mishandling lithium-ion batteries and chargers.

Charge only with appropriate charger designed by Zehus for this specific type of lithium-ion battery pack.

→ Misusing or mishandling lithium-ion batteries can pose a serious risk of personal injury, property damage, or death

→ Batteries may explode, burn, or cause a fire if misused or mishandled

→ Only use within manufacturer listed specifications

→ Keep away from metal objects to prevent short circuiting

→ Do not short circuit

→ Do not use if damaged in any way

→ Do not overcharge or over-discharge

→ Do not modify, disassemble, puncture, cut, crush, or incinerate

→ Do not expose to liquids or high temperatures

→ Do not solder

→ User must be familiar with handling lithium-ion batteries before purchase

→ Usage of batteries is at your own risk

→ Always charge in or on a fire-proof surface and never leave charging batteries unattended

→ Resellers must forward all warnings to all customers for their reference and safety

Local regulations and laws pertaining to the recycling and disposal of lithium ion batteries vary so please consult your local jurisdiction regarding appropriate disposal.

6.3 STORAGE

The All In One has to be stored at the right temperature. The battery pack life can be maximized by following the rules for correct storage and handling.
In case of malfunctioning your battery pack will have to be replaced. Please refer to a Zehus retailer to have your battery pack replaced.

Note: when not using the bike for long periods it is recommended to charge the

battery pack to 60% and to check the battery condition at least every 6 months. Before using the bike after a long period it is recommended to fully charge the battery.

Store The All In One in a well-ventilated location, dry if possible. Protect the hub from moisture and water. The optimal storage temperature is +23°C and the bike must be stored between 0°C and +40°C. It is preferred not to leave the bike under the direct sunlight during hot summer days.

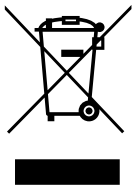
6.4 TRANSPORT

Items with internal battery packs are subject to Dangerous Goods Legislation requirements.
Private users can transport such undamaged items by road without further requirements. When being transported by commercial users or third parties (e.g. air transport or FWD agencies), special requirements on packaging and labeling must be observed (e.g. ADR regulations). If necessary, an expert for hazardous materials can be consulted when preparing the item for shipping.
Dispatch The All In One only when the housing is undamaged.
Protect the charger connector with the provided closed nut in such a manner that the connector itself cannot be damaged or broken. Inform your parcel service that the package contains dangerous goods. Please also observe the possibility of more detailed national regulations. In case of questions concerning transport of The All In One, please refer to an authorized Zehus dealer. Bicycle dealers can also provide suitable transport packaging.

6.5 DISPOSAL

The All In One and all its components should be sorted for environmental-friendly recycling.

Only for EC countries
According to European Guideline 2012/19/EU, electrical devices tools that are no longer usable, and according to European Guideline 2006/66/EC, defective or used battery packs/batteries. The All In One must be collected separately and disposed of in an environmentally correct manner.



This symbol indicates that the product complies with the European Directive 2012/19/EU.
Under Legislative Decree No. 49 of March 14, 2014, “Implementation of Directive 2012/19/EU on waste electrical and electronic equipment (WEEE).”
The crossed-out bin symbol on the equipment indicates that the product should be collected separately from other waste at the end of its useful life. The user should, therefore, return the equipment intact of essential components that have reached the end of their useful life to the appropriate separate collection centers for electronic and electrotechnical waste, or return it to the retailer when purchasing new equipment of an equivalent type, on a one-to-one basis, or 1-to-zero for equipment with a major side of less than 25 cm. Adequate separate collection for subsequent initiation of the discharged equipment into environmentally compatible recycling, treatment, and disposal helps to avoid possible adverse environmental and health effects. It promotes the recycling of the materials of which the equipment is composed. Illegal disposal of the product by the user will result in the application of administrative sanctions under Legislative Decree No. 49 of March 14, 2014.

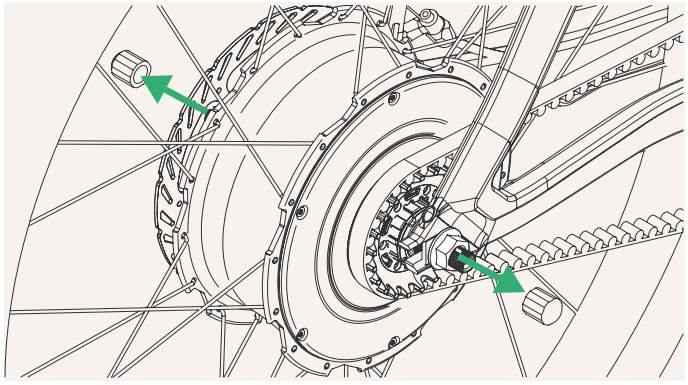
The product works with batteries under Regulation 2023/1542 and cannot be disposed of with normal household waste. Find out about local regulations regarding the separate collection of batteries: proper disposal will avoid negative environmental and health consequences. The battery is built-in, to be disposed of at the end of the product's useful life; it cannot be removed by the user. In this case, recovery and recycling centers can perform product disassembly and battery removal.

7. SERVICE

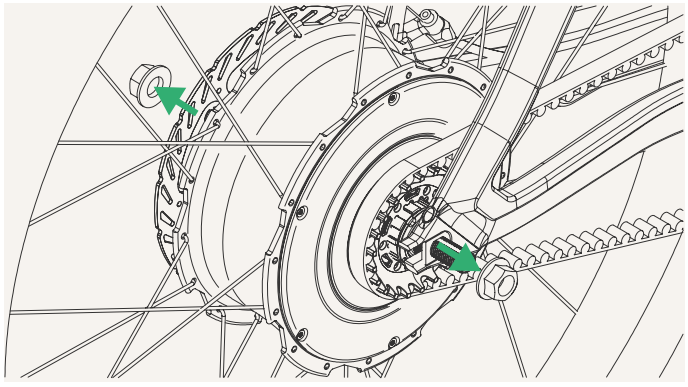
7.1 WHEEL REMOVAL

It is possible to mount and remove the wheel with your All In One to transport your bike, to change tires or to change gears. To remove the wheel you have to unscrew and store the close caps, the anti-rotation washers and the nuts, then you can remove the wheel from the frame.

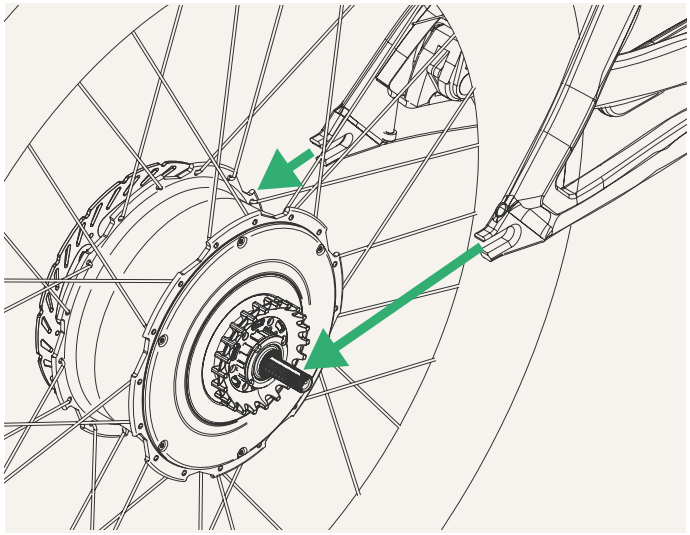
→ Remove on both sides the protection caps and store them in a secure place



→ Losen and remove the hexagonal nuts using a 17mm wrench. Remove the anti-rotation washers if installed outside the frame dropouts.



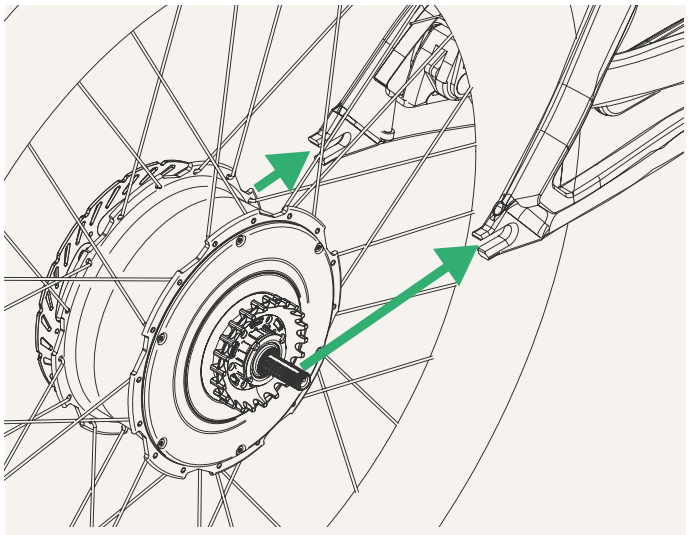
→ Remove the wheel from the frame. For horizontal dropout slide the wheel out from the back. For vertical dropouts slide the wheel down to remove it.



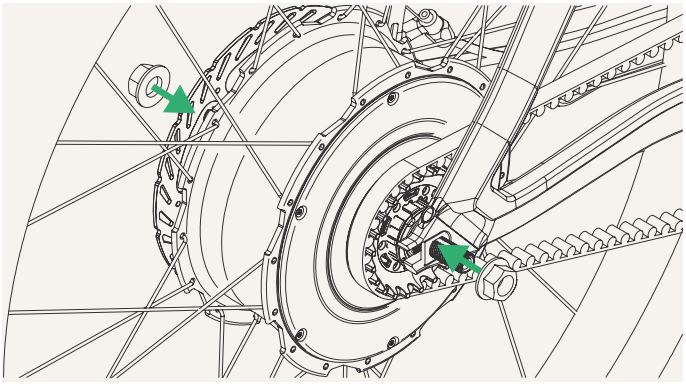
7.2 WHEEL INSTALL

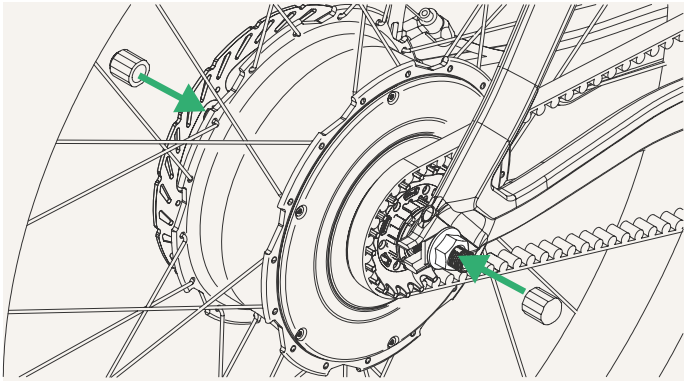
Mount the wheel back in place inserting it carefully into frame dropouts. To set it in the correct direction, check that the small dot on the left shaft is facing forward. Then reinsert in this order the nuts, the anti-rotation washers and finally the close nuts.

→ Insert the wheel in the frame checking the correct direction.



→ Insert the anti-rotation washers, then the hexagonal nuts to tighten the wheel.





→ Screw back in place the protection caps on both sides of the hub.

7.3 CLEAN YOUR E–BIKE

Be careful not to use high pressure water directly on your e-bike and directly on The All In One, because it can damage it and the other components, such as bearings and headset, use e-bike specific products to wash and dry to preserve the integrity of the bicycle and the motor. Use low pressure water to clean properly the e-bike and use a damp cloth to clean properly The All In One. Dry carefully all the components of the e-bike, to prevent water to stain.

Attention!
ALWAYS seal the charging connector on The All In One with the proper protection cap before riding or cleaning the e-bike. Using The All In One without the protection caps will void the warranty and exposes the product to risk of damages.

7.4 CHANGE GEARS

If you desire to change gears or cassette on your Halos or Horizon, it is recommended to bring it to the closest service center, where a certified operator can manage these components updating the parameters on the motor firmware to make it run properly. Alternatively, you can proceed to assemble the components by yourself, but you are required to contact a service center to set up your firmware with the new parameters.

7.5 REPAIRS

If you need mechanical or hardware repairs fo your Halos or Horizon, please contact your dealer or the closest service center. Use Zehus App help section to receive troubleshooting procedures or to contact Zehus service network.

Attention!
Do not service or open The All In One yourself, electrical and mechanical parts expose you to risks of injury and damage to the product.

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REV. 1.0 – 10/2024

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THE ALL IN ONE **MY24**

REV 1.0 – 02/2025

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