

GUIDE TO RIDE HIGH

DESIKNIO

User Manual



Congratulation of your new feeling of freedom.

Happy to welcome you to the DESIKNIO family.

Always think of it from now riding will be the most joyful way of moving!

RIDE HIGH

myStromer AG
Desiknio Cycles
Freiburgstrasse 798
3173 Oberwangen
SWITZERLAND

DESIKNIO

ONLINE VERSIONS

DESIKNIO MANUAL

This guide is available online in English and German.

desiknio.com/manuals-documents



MAHLE MANUALS

The user manual for the systems, including detailed information about operation, settings, and troubleshooting, is available online in multiple languages.

mahle-smartbike.com/downloads/



PINION MANUALS

The user manuals for the Pinion gearbox systems, including detailed instructions on shifting, maintenance, and care, are available online in multiple languages.

pinion.eu/downloads/





DESIKNIO

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The product you have might differ from what is reflected in the images in this manual

BIKE PASS

Handover Certificate

The handover of the e-bike, as registered in the bicycle passport, happened after:

- The final assembly was completed
- Every bolt and screw double-checked
- A full mechanical and electrical function check of all components
- Remove off excess oil and grease for a clean ride
- A quick test ride to perform a full mechanical and electrical system check
- Fine-tuning the e-bike to match the rider's preferences
- A hands-on intro for the customer on how to handle the bike
- A friendly reminder to do a first service check after 200 km or 1 month
- A recommendation to read the original user manual and all related component instructions before the first ride.

Because at Desiknio, we don't just hand over a bike—we deliver pure riding joy.

☐ All the points listed were carried out by the specialist dealer—so you're ready to hit the road with full confidence.

☐ The bike was brought to life by its first owner, ready to ride high from the very first moment.

Note / Notiz



Übergabeprotokoll

Die Übergabe des E-Bikes, wie im Fahrradpass registriert, erfolgte nach:

- Der finalen Montage
- Der Überprüfung aller Schrauben und Verbindungen
- Einem vollständigen Funktionscheck aller Komponenten
- Dem Säubern des Bikes für ein cleanes Fahrgefühl
- Einer kurzen Testfahrt, um sicherzustellen, dass alles smooth läuft
- Der individuellen Anpassung des E-Bikes an den Fahrer
- Einer persönlichen Einführung in die Nutzung des Bikes
- Der Empfehlung, nach 200 km oder einem Monat einen ersten Service-Check durchzuführen
- Dem Hinweis, vor der ersten Fahrt die Bedienungsanleitung und alle Hinweise zu Komponenten zu lesen

Denn bei Desiknio übergeben wir nicht einfach nur ein Bike – wir liefern pure Fahrfreude.

☐ Alle aufgeführten Punkte wurden vom Fachhändler durchgeführt – so bist du bereit, mit voller Sicherheit durchzustarten.

☐ Das Bike wurde vom ersten Besitzer zum Leben erweckt – bereit, von der ersten Sekunde an das Ride High Gefühl zu erleben.

SPECIALIST DEALER / Fachhändler

Adress (stamp) / Anschrift (Stempel)

Frame Number / Rahmennummer: _____

Serial Number Battery / Seriennummer Akku: _____

Serial Number Motor/ Seriennummer Motor: _____

Date of Handover / Datum der Übergabe

Signature / Signatur



BIKE PASS

Inspection certificate / Inspektionsnachweis

After 200 km or 1 month / nach 200 km oder 1 Monat

Actions performed, parts repaired / Ausgeführte Tätigkeiten, reparierte Teile

Date / Datum

Milage / Kilometerstand

Dealer signatur / Fachhändler Signatur

After 5,000 km or 1 year / nach 5,000 km oder 1 Jahr

Actions performed, parts repaired / Ausgeführte Tätigkeiten, reparierte Teile

Date / Datum

Milage / Kilometerstand

Dealer signatur / Fachhändler Signatur

After 10,000 km or 2 years / nach 10,000 km oder 2 Jahren

Actions performed, parts repaired / Ausgeführte Tätigkeiten, reparierte Teile

Date / Datum

Milage / Kilometerstand

Dealer signatur / Fachhändler Signatur

After 15,000 km or 3 years / nach 15,000 km oder 3 Jahren

Actions performed, parts repaired / Ausgeführte Tätigkeiten, reparierte Teile

Date / Datum

Milage / Kilometerstand

Dealer signatur / Fachhändler Signatur



BIKE PASS

Inspection certificate / Inspektionsnachweis

After 20,000 km or 4 years / nach 20,000 km oder 4 Jahren

Actions performed, parts repaired / Ausgeführte Tätigkeiten, reparierte Teile

Date / Datum

Milage / Kilometerstand

Dealer signatur / Fachhändler Signatur

After 25,000 km or 5 years / nach 25,000 km oder 5 Jahren

Actions performed, parts repaired / Ausgeführte Tätigkeiten, reparierte Teile

Date / Datum

Milage / Kilometerstand

Dealer signatur / Fachhändler Signatur

After _____ km / nach _____ km

Actions performed, parts repaired / Ausgeführte Tätigkeiten, reparierte Teile

Date / Datum

Milage / Kilometerstand

Dealer signatur / Fachhändler Signatur

After _____ km / nach _____ km

Actions performed, parts repaired / Ausgeführte Tätigkeiten, reparierte Teile

Date / Datum

Milage / Kilometerstand

Dealer signatur / Fachhändler Signatur



BIKE PASS

Inspection certificate / Inspektionsnachweis

After _____ km / nach _____ km

Actions performed, parts repaired / Ausgeführte Tätigkeiten, reparierte Teile

Date / Datum

Milage / Kilometerstand

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OVERVIEW OF YOUR BIKE

01 MAHLE Charging Port
02 MAHLE HMI, Head Unit
03 Supernova V521s, Front Light
04 MAHLE iX2 Inner Tube Battery, 237 Wh

05 Chain
06 Derailleur
07 MAHLE X30 Hub Motor
08 Supernova E3, Rear Light

11-Speed



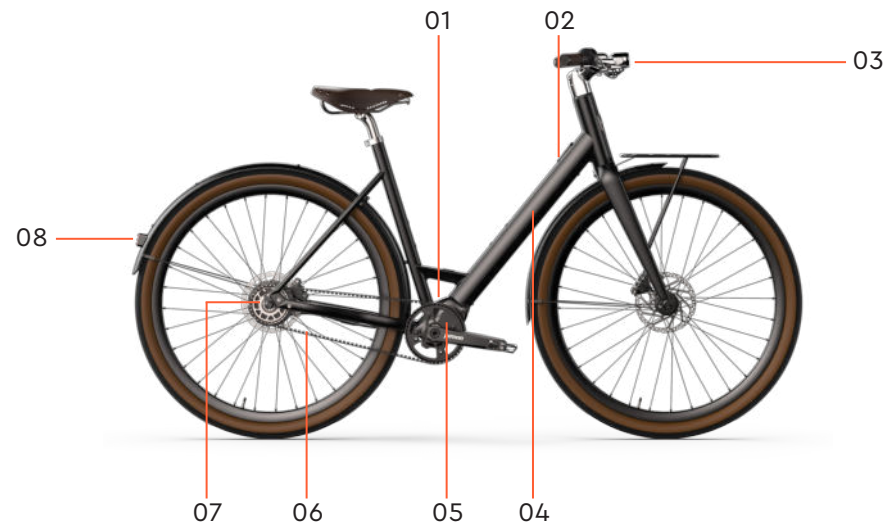
This image is an example but valid for all frames types.



01 MAHLE Charging Port
02 MAHLE HMI, Head Unit
03 Supernova V521s, Front Light
04 MAHLE iX2 Inner Tube Battery, 237 Wh

05 Pinion C1.6/C1.9/C1.9i, Gearbox
06 Gates CDX Carbon, Belt
07 MAHLE X30 Hub Motor
08 Supernova E3, Rear Light

1.6 / 1.9 / Smart.Shift

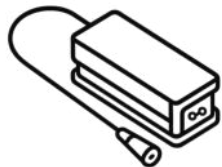


This image is an example but valid for all frames types.



WHAT IS IN THE BOX

MAHLE Charger



Pedals



Saddle



Seat Post



Reflectors



Documents*



*DOCUMENTS

- Original operation instructions for Desiknio E-Bikes
 - MAHLE instruction manual
 - Pinion C-Line instruction manual
 - Gates Carbon Drive™ instruction manual
 - Brooks™ care instructions
- This image is an example but valid for all frames types.



IMPORTANT NOTE & INTENDED USE

Charge and check

Before you set off on your very first ride, take a moment to prepare your bike for the journey ahead. Make sure the battery is fully charged and all cable connections are plugged well.

Take it slow

Your Desiknio is built to bring joy, but take it slow in the beginning. Get familiar with your bike in a safe environment with minimal traffic.

When getting on the bike, make sure you're seated on the saddle before stepping on the pedals. For the smoothest start, begin with one pedal positioned at its lowest point.

To unlock the full potential of your hydraulic disc brakes, it's important to bed them in by coming to a full stop around 30 to 40 times. This ensures maximum braking power and a squeak-free experience — smooth, just like the ride itself.

Follow local regulations

If you're planning to use your bike on public roads, please ensure you're in line with your country's cycling laws — particularly those that cover lights, reflectors, and e-bikes. These regulations can differ and change over time, so it's best to stay up to date through official publications or news sources. Knowing the rules means riding with confidence.

Ride safely

Your bike is equipped with powerful hydraulic disc brakes for reliable stopping. These brakes are highly responsive, so it's best to avoid braking too abruptly. Apply the brakes gently and evenly until you come to a full stop in a safe area.

Be mindful that after heavy use, the brake discs can become hot. Stopping distances may be longer than with traditional bikes, especially in wet conditions where braking effect is reduced — so always ride with a little extra caution.

Stay balanced

The weight distribution on your Desiknio may feel a little different from what you're used to with conventional bikes. Keep this in mind when loading, parking, or lifting your bike — balance is key to a safe and stable ride.

Please avoid hanging bags or heavy items from the handlebar, as this can impact your ability to steer precisely and safely.

The maximum total weight — including the bike, rider, accessories, and any cargo — must not exceed 115 kg. Exceeding this limit may lead to loss of control, damage to the bike, or injury. Always consider the combined weight of bags, racks, and any additional equipment.

This Desiknio bike is designed for urban and light commuting use on paved roads and bike paths. It is not intended for off-road use, stunt riding, or racing. Use of any aftermarket parts and accessories such as racks, baskets, childseats, trailers, etc. are the choice and responsibility of the rider. Please check with your Desiknio dealer before selecting and installing replacement parts and accessories.

No single e-bike is made for every scenario. Choose the right model for your needs — and always respect its purpose and capabilities.

For your own safety, wear fitted clothing while riding. Loose straps, wide trousers, or skirts can get caught in the belt or wheels. Trouser grips are a simple and stylish solution.

Built for Responsibility.

Your Desiknio is an E-Bike — crafted for riders aged 14 and above, unless local laws set a higher minimum age.

In most EU countries, no insurance is required for E-Bikes with pedal assistance up to 25 km/h and a maximum continuous rated power of 250 W.

Still, every road is different — so before you ride, please check your local regulations regarding age limits, helmet requirements, and insurance.

Any questions?

If you have questions or want to add accessories — like a bike trailer or a child seat — be sure to check compatibility via our website or speak with our team. We're happy to help.

Write us: helpdesk@desiknio.net

Ride high.

Your pre-ride check

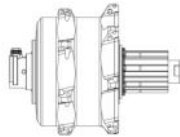
Before every ride, make sure to:

1. The battery is charged in case you want smooth support
2. Check tire pressure – Tires can lose pressure over time. Inflate to 2.5 – 3 bar for heavier loads, slightly less for lighter ones. Avoid pressures below 1.5 bar or above 4 bar for a smooth and safe ride.
3. Test the brakes – Gently squeeze both brake levers to confirm they're working perfectly.
4. Check belt tension – Press down firmly in the middle of the belt with your index finger. The deflection should be between 0.5 cm and 1 cm.
5. Clean or grease – The belt doesn't need lubrication. A quick spray of silicon keeps it running smooth and silent. On a bike with a chain, make sure the chain is clean and well greased
6. Gear up right – Always wear a helmet and make sure you're visible on the road.
7. Ride mindfully in wet conditions – Brake earlier and more gently. Wet roads mean longer stopping distances.
8. Keep your total weight in check – Stay under the 115 kg limit (bike + rider + cargo + accessories).

To keep your Desiknio performing at its best, all service and repair work must be carried out by an authorized dealer.

X20

MAHLE X20 Drive Unit



- R142 O.L.D. and Thru Axle (12 mm)
- 28 Straight-pull spokes
- 14G Standard
- Nominal voltage CA: 42 V
- 55Nm (Compared to Mid Drive)
- Compatible with 140mm flat mount calipers
- Max. Speed: 25km/h or 20 mph (Limited per region)
- Automatic Motor Connection System
- Standard Freewheel installation
- CAN BUS Interface
- Weight: 1,399 grs (without freewheel)

How to deal with the X20 System

Powering ON

To bring your bike to life, simply press the button on the Head Unit once. The LED will light up. Once the system checks are complete, the LED will glow white to show your current battery level – you're ready to ride.

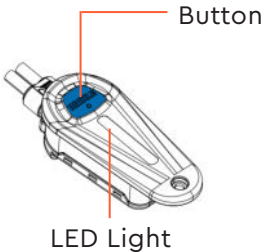
Powering OFF

To end your ride, press and hold the Head Unit button for two seconds. A small moment of calm to close your journey. The LED will switch off automatically afterward.

MAHLE iX2 Inner Tube Battery



- Nominal voltage CA: 25-42 V
- Voltage & charging current CC: 42C – 2.1A / 4A
- Capacity: 236Wh / 36V
- Dimensions: 469.5 × 49.6 × 41.8 mm (LxWxH)
- CAN BUS Interface
- 2 HMI Accessories connectors
- Light support 2A/6V (12W)/12V (24W) USB 2A/5V
- Weight: 1,500 grs



Automatic System Switching OFF

Your Desiknio is smart – it knows when to rest.

If there's no movement and your smartphone isn't connected to the app, the system will gently slip into Power Safe Mode after 5 minutes. This helps preserve battery life and keeps your ride efficient.

You can wake the system at any time by switching it on as usual.

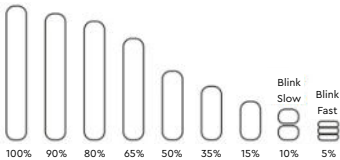
The same applies during charging: once your internal battery reaches 100%, the system will automatically switch off – fully charged, fully ready.

Battery Status – Stay in the Know

Your Head Unit keeps you effortlessly informed. The LED bar displays your current State of Charge (SOC) — a quick glance tells you how much power you've got.

At 100%, the entire LED line glows bright. As you ride and the battery slowly drains, the light shortens to match the remaining charge. Even when power gets low, one LED will always stay illuminated — ensuring you can still see your current assist level.

The LED line is powered by seven lights, designed not just for function but also to bring your bike to life with elegant animations and visual effects.



5-10% SOC – The system is limited to a maximum of 70% of its maximum nominal power output.

0-5% SOC – The system is limited to a maximum of 40% of its maximum nominal power output.

Current Assist Level

Choose your power. The system features three assist levels, customizable via the MAHLE MySmartBike App.

Each level is shown in a unique LED color — so you always know what's powering your ride.

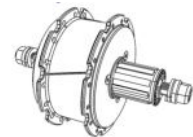
0 – No assist = White, 1 – Minimum = Green,
2 – Medium = Orange, 3 – Max = Purple

Other Information displayed

While Charging = Blue
Battery Charged = Permanent green
Error= Flashing red (WARNING: Flashing orange light when the system is having an active warning alert. The use of the system is not restricted but attention should be paid to the warning.)

X30

MAHLE X30 Drive Unit



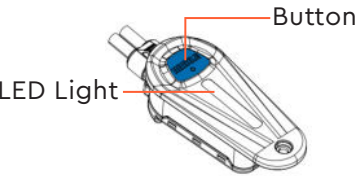
- Engine with torque equivalent to that of a 45 Nm mid-engine.
- O.L.D. Axis 136.5 mm.
- Rated voltage: 36 V.
- Max. speed: 25 km/h or 20 mph (limited by region).
- Motor connection system by means of a watertight connector.
- Standard free wheel installation.
- CAN-BUS interface.
- Weight: 1,900 grs (without core)

How to deal with the X30 System

Powering ON

To bring your bike to life, simply press the button on the Head Unit once. The LED will light up. Once the system checks are complete, the LED will glow white to show your current battery level – you're ready to ride.

MAHLE HMI



MAHLE iX2 Inner Tube Battery

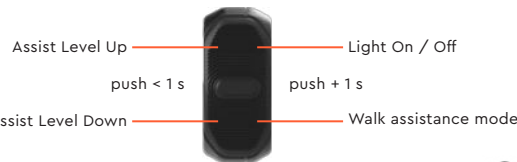


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- Capacity: 236Wh / 36V
- Dimensions: 469.5 × 49.6 × 41.8 mm (LxWxH)
- CAN BUS Interface
- 2 HMI Accessories connectors
- Light support 2A/6V (12W)/12V (24W) USB 2A/5V
- Weight: 1,500 grs

Powering OFF

To end your ride, press and hold the Head Unit button for two seconds. A small moment of calm to close your journey. The LED will switch off automatically afterward.

MAHLE DUO REMOTE



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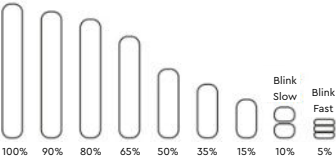
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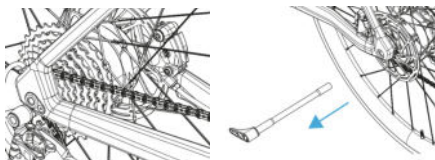


REMOVING WHEEL

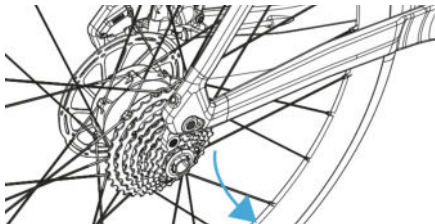
MAHLE X20

1 If you run a Pinion setup, please continue with step 3.

2 If you run a cassette, downshift to the smallest sprocket. 3 Loosen your axle and disassemble it.



4 Slide the wheel out of the frame. Ensure you give room to the wheel by pressing the rear derailleur away from the cassette.

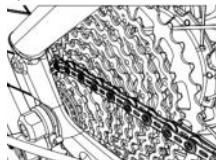


5 Ensure to not damage the frame with the disc rotor when sliding the wheel out of the frame

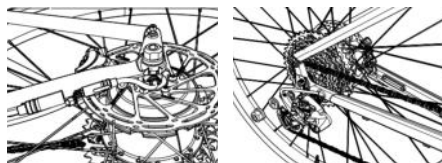
MAHLE X30

1 If you run a Pinion setup, please continue with step 3.

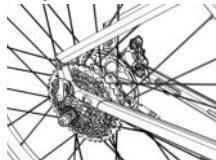
2 If you run a cassette, downshift to the smallest sprocket.



3 Disconnect the engine cable, loosen the nuts on each side of the shaft and remove it.



4 Slide the wheel out of the frame, but be sure to give the wheel clearance by pressing the rear shift away from the cassette.



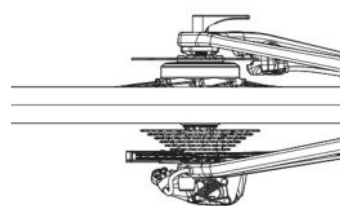
5 Ensure to not damage the frame with the disc rotor when sliding the wheel out of the frame

MOUNTING WHEEL

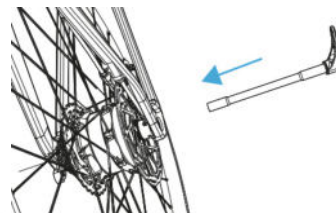
MAHLE X20

1 Ensure the upper chain is lying on the cassette, while the lower part of the chain is running underneath the cassette and is not blocking the dropouts. Same with a belt.

2 Ensure that both the disc rotor and the brake caliper are perfectly aligned to avoid any damage to the frame or brake caliper.



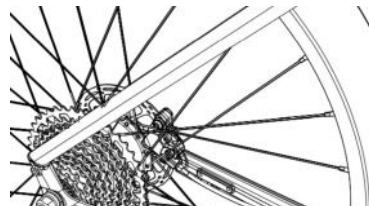
3 Carefully slide the rear wheel into the dropouts. Please ensure that the motor connector is facing upwards and is aligned with the dropout. Once the wheel sits smoothly in the dropouts, guide the axle through the motor and tighten it to the frame manufacturers recommendations. Once the axle is tight, the motor is automatically connected to the rest of the system.



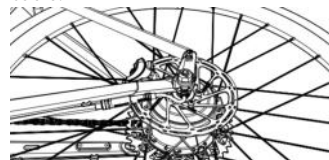
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2 Ensure that both the disc rotor and the brake caliper are perfectly aligned to avoid any damage to the frame or brake caliper.



3 Carefully slide the rear wheel into the dropouts. Once the wheel is seated smoothly in the dropouts, tighten the nuts to 23 Nm bolt torque on each side of the axle and connect the engine cable.



Always confirm that both the engine side and the frame side of the automatic connector are clean before mounting the rear wheel. Check the connector before mounting the rear wheel: all pins must be straight. This is valid for both systems

GENERAL INFORMATION

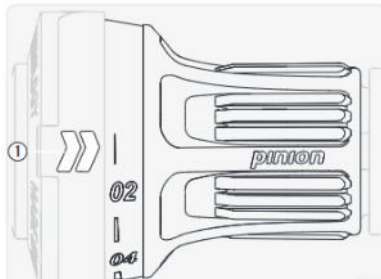
During the first 1,000 kilometers of riding, the surfaces of the gears and transmission components naturally smooth out. As a result, your gearbox will begin to run more effortlessly, with shifting becoming noticeably slicker.

If you notice a bit of roughness in the drivetrain or during gear changes when your Pinion gearbox is still new, don't worry — that's completely normal. It's just part of the system settling in.

Soon, every shift will feel like second nature

SHIFTING CORRECTLY

Pinion C1.9



The number (1) on the rotary shifter shows the current gear. Multiple gears can be shifted in one smooth move (e.g., from 06 to 02).

You can shift while stationary or pedaling backward — this helps protect the gearbox.

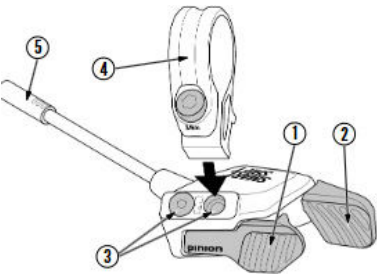
Downshifting under load is possible, but only to a limited extent.

If there's too much pressure on the pedals, shifting may be blocked to protect the system.

Upshifting under load is usually possible — except when moving between internal sub-units. At those points, briefly ease off the pedals. For C1.9XR: Reduce pressure when shifting from 03 → 04 and 06 → 07

Occasionally, after shifting, the crank may "drop" about 10°, causing a light jolt — this is normal and doesn't harm the gearbox.

Pinion Smart.Shift



- 1 Front gear lever
- 2 Rear gear lever
- 3 Screw-on positions and blind screw
- 4 Clamp
- 5 Plug

Smart.Shift – How It Works

With Pinion Smart.Shift, a quick press on either gear lever instantly triggers a gear change. Press multiple times to shift through several gears in a row. At higher pedaling cadences, shifts are timed with the crank's vertical position for smoother performance. At lower cadences, shifting happens immediately.

To make starts easier and more energy-efficient, especially on e-bikes, the START.SELECT function allows you to pre-define your preferred starting gear — automatically engaged when the bike stops.

Shifting Under Load

Smart.Shift is built to handle gear changes under pressure — even on climbs. The higher your cadence, the quicker the shift. You may hear a light popping sound during the process — that's completely normal.

If the load is too high, the system may pause the shift to protect itself. It will retry within two seconds, and if pressure is relieved, the shift completes.

After a gear change, you may briefly feel a few degrees of free movement in the crank — barely noticeable during normal riding, and completely expected when shifting under load.

GENERAL BIKE MAINTENANCE

Servicing & Parts

To keep your Desiknio riding like new, we recommend a service every 1,000 km or once a year — whichever comes first.

Like any precision machine, your bike experiences natural wear over time. Different materials respond differently to stress, and if a part has reached the end of its life, it can fail unexpectedly. Small cracks or discoloration in high-stress areas are signs it's time to replace a component — your safety always comes first.

Please don't attempt to open or tamper with the electrical system. Doing so can cause serious damage to both you and your bike.

For replacements, always use genuine Desiknio-approved parts. Need help? Just reach out to helpdesk@desiknio.net

Cleaning

Use a damp cloth to gently wipe down the frame, and clean the saddle with water. For a perfect finish, you can use bike-specific cleaning products on the frame.

Never use a high-pressure cleaner, steam cleaner, or water hose — these can damage both the bike and battery.

Be especially careful around areas with electronic connectors or cables. Avoid direct water exposure to these components to ensure long-term performance and reliability.

Clean with care. Ride with confidence.

Brake Pads

Your brake pads are key to a safe and confident ride. We recommend checking them every 1,000 km — or sooner if you notice reduced braking power or hear a creaking sound.

Each pad includes a built-in wear indicator. When the surface wears down and the small blue circle becomes visible, it's time for a replacement.

The brake system is hydraulic and can only be used with mineral oil. Should the system oil need to be topped up or replaced, use mineral oil.

Tyres

Tyres naturally wear down over time — it's part of every ride. To extend their life, always maintain proper air pressure and avoid locking the wheels when braking.

Tyres should be replaced if they become brittle with age, if the tread is visibly worn, or if the fabric layer becomes exposed.

Check your tyres regularly for embedded debris and remove it with care. Also, make sure your tyre pressure is within the recommended range which is mentioned on the tyre— adjusted to suit your riding style and load.

Chain & Belt drive

The carbon belt is made for those who love simplicity. It requires no lubrication — never apply oil or grease, as this can cause malfunctions.

Inspect the belt and sprockets regularly for wear or damage. Make sure the belt stays free of dirt and debris. If needed, clean gently with water and mild soap. Dust and grime accelerate wear and can lead to unexpected failure. If the belt is worn, it must be replaced.

For Desiknio models with a chain, regular care keeps your ride smooth and your drivetrain efficient. Clean the chain periodically to remove dirt and old lubricant. After cleaning, apply a light layer of high-quality bicycle chain oil — and always wipe off the excess.

Check chain tension and wear every few hundred kilometers. If the chain starts to stretch or the shifting feels off, it may be time for a replacement.

Motor

For any motor-related issues, please contact your dealer directly rather than trying to fix them yourself.

More information are in the manual from MAHLE.



BATTERY CARE

Charging with Care

Charge your battery indoors, in a dry room between 10°C and 25°C, always on a non-flammable surface. Use only the original charger from your accessories box.

Never expose the battery or charger to direct sunlight, moisture, or water while charging. Keep both away from heat sources and open flames. For added safety, we recommend charging during the day in rooms equipped with smoke detectors.

Before each charge or ride, inspect the battery for any signs of damage — such as corrosion, cracks, or wear. If the battery is compromised in any way, do not use or charge it.

Never open, crush, or disassemble the battery, and do not use a damaged or defective charger.

To protect the connectors, always ride with the battery inserted — especially in wet conditions. And please, always keep the battery and charger out of reach of children.

Power up safely.

Battery Life

Your battery is built to go the distance. Under ideal conditions, its lifespan is measured in charge cycles — typically around 500 full cycles until it reaches 60% of its original capacity.

Good to know: lithium-ion batteries have no memory effect. That means you can charge it after every ride without reducing its performance over time

Caring for your Battery

To extend the life of your battery and keep it performing at its best, a little care goes a long way:

Avoid leaving the battery fully discharged for long periods. If you're taking a break from riding, charge it fully, and store it in a dry place at room temperature (between 10°C and 25°C).

Even when not in use, give it a top-up charge every 6–8 weeks to prevent deep discharge. Once the battery enters deep discharge mode, it can no longer be reactivated — and replacement won't be covered under warranty.

Keep the battery out of direct sunlight, especially on hot summer days. And at least once every two months, let the battery go through a full discharge-to-charge cycle to maintain peak health

CAUTION

Your Desiknio is equipped with an integrated battery, carefully designed for performance and safety. Only the original built-in battery should be used — attempting to insert or connect anything else poses a serious safety risk. If your battery ever needs replacement, this must be done by an authorized service partner.

Always store your bike in a dry environment at room temperature — ideally between 10°C and 25°C. Avoid exposing the bike to temperatures below –20°C or above +45°C, and never leave it near heat sources like radiators or ovens.

Do not drop, damage, or attempt to open the battery system. If you ever have concerns or questions, our support team is here for you.



WHAT AFFECTS YOUR RANGE

The range of your Desiknio depends on more than just the battery. It's shaped by your surroundings, your riding style, and how your bike is set up.

Environment Matters

Cold weather reduces battery efficiency. In winter, store your bike indoors whenever possible to maintain optimal performance. Hilly terrain, gravel paths, or poor road conditions will drain the battery faster than smooth, flat tarmac. Headwinds can also reduce range.

Your Bike Setup

Desiknio offers three assist levels. Higher assistance delivers more power — but also uses more energy. Carrying extra weight, whether from cargo or accessories, affects battery consumption. Keep your tires properly inflated to reduce drag and maximise efficiency. Like any lithium-ion battery, capacity will naturally decrease over time.



Battery Storage & Care

The battery in your Desiknio is fully integrated and not removable. Never let it sit at 0% charge for long periods. This can trigger deep discharge mode, permanently disabling the battery. If this happens, it will need to be replaced at your own cost, as it's not covered under warranty. Even when not riding, make sure to top up the battery every few weeks to preserve its health.

Riding Style

A smooth, steady pace is more efficient than frequent starts and stops. The more consistent your speed, the more distance you'll cover on a single charge.

Do not dispose of batteries or electrical components in household waste. Please return used batteries to a certified recycling point in accordance with Directive 2006/66/EC.

A LITTLE
AWARENESS
GOES A LONG
WAY

SEASONAL CARE

Your Desiknio is built for all-season performance — from frosty mornings to summer heat. A little extra care keeps your ride smooth, no matter the forecast.

Stay dry and visible with waterproof, high-visibility clothing — it keeps you comfortable and helps others see you clearly on darker days.

Riding through slush, snow, or salty roads can kick up dirty water that may cause long-term corrosion. Wipe your bike down with a damp cloth after every ride to protect its finish and components.

Seasonal extremes also wear tires faster, so check regularly for signs of damage or loss of grip. On icy roads, remember: less traction means longer stopping distances. Brake earlier and more gently to stay in control.

And on hot summer days, avoid prolonged exposure to direct sunlight to protect your battery and electronic components.



SERVICE INTERVALS

After the initial break-in period — around 200 km — your Desiknio should be serviced regularly to keep everything running smoothly. Some parts will need to be checked, adjusted, or replaced over time.

We recommend having this service done by your specialist dealer, who knows your bike inside and out.

The intervals listed in the service table are designed for riders covering 1,500 to 2,500 km per year. If you ride more, or frequently take on rough terrain, you'll want to shorten those maintenance intervals.

Tasks marked O can be done by you — if you have the right tools and technical know-how. Tasks marked X should always be left to your trusted specialist dealer.

PART	TASK	BEFORE EACH RIDE	MONTHLY	YEARLY	OTHER INTERVALS
Tyres	Check the air pressure Particles in profile Profile height Cracks	O O O	O		
Brake pads and brake discs	Check the pad thickness and residual thickness	O			
Brake system	Visual inspection/seal tightness	O		X	
Aluminium fork	Visual inspection Exchange			X	X (after fall)
Toothed belt	Visual inspection Check tension	O		O	
Pinion gear shifting system	Change gear oil				X (every 10,000 km)
Pedals	Check bearing play Check or replace grip tape		O	O	
Crank	Inspect and/or tighten			X	
MAHLE system	Software diagnosis / update at MAHLE specialist dealer				if required (error)
Paintwork	Preserve			O	
Wheels/spokes	Runout visual inspection Check spoke tension		O	X	
Handlebars/stem	Check for deformation and cracks Exchange			X	X (after a fall)
Headset bearing	Check bearing play		O		
Axle screws	Inspect and/or tighten	O			
Screws and nuts	Inspect and/or tighten		O		
Valves	Check seat	O			
Seat post	Renew assembly paste on clamp connections			O	
Saddle	Leather care (for leather saddles)		O		
Electrical cables	Visual inspection			X	



TIGHTENING TORQUES

Precision That Protects

Every Desiknio is built with care — and it rides best when every detail is dialed in. That includes making sure all screw connections are properly tightened to the correct torque values.

Use a torque spanner with the appropriate adjustment range to ensure precision. If you don't have the right tool or experience, we strongly recommend letting your specialist dealer check and secure all key components.

Many parts of your bike include torque specs and insertion depth markings. Always follow these instructions to keep everything running safely and as designed.

Loose bolts or overtightened parts aren't just a technical issue — they can lead to damage or even injury. If you ever notice something isn't sitting right, don't ride until it's been checked and corrected.



	11-& 12-Speed	Belt & Pinion	Carbon Frame	
DESCRIPTION	TORQUE			NOTE
Front Thru Axle	9 - 12 Nm			Always apply grease to threads before installation
Rear Thru-Axle (MAHLE X20) Rear Axle Nuts (MAHLE X35, X30)	9 - 12 Nm 23 Nm	9 - 12 Nm -		Always apply grease to threads before installation
Stem Faceplate Stem Steerer Clamp Bolts	10 Nm 6 Nm	10 Nm 6 Nm		Always apply grease to threads before installation
Brake Caliper	6 - 8 Nm			
Brake lever (handlebars)	6 - 8 Nm			
Disc Brake Rotor Bolts	2 - 4 Nm			
Shift Lever	6 - 8 Nm			
Saddle Clamp	10 Nm	8 - 10 Nm MAX		
Seat post Clamp	6 Nm			
Pedals	30 - 35 Nm			Always apply grease to threads before installation
Dropout Plates	7,5 Nm	0,5 Nm		
Chainstay Bolt, both sides	7,5 Nm	-		
Supernova Light Angle Adjust Bolt Supernova Front Light Clamp	4 Nm 4 Nm			
Handlebar Grip Clamp Bolts	2 Nm			
Pinion Crankarm Pinch Bolts	-	10 Nm	-	
Shimano Crank Arm Pinch Bolts	12 - 14 Nm	-	12 - 14 Nm	Stopper plate must be checked and adjusted before bolts are torqued, see Desiknio dealer for support
Shimano Crank Arm Cap	0,7 - 1,5 Nm	-	0,7 - 1,5 Nm	Shimano TL-FC16 or compatible tool must be used, see Desiknio dealer for support



WARRANTY

By choosing a Desiknio, you've selected a high-quality product designed for years of pure riding joy. According to legal regulations, your bike comes with a 2-year warranty, beginning from the day it's delivered to you.

Please keep your proof of purchase — such as the invoice or sales slip — throughout the warranty period, as it confirms the date of delivery.

For the first 6 months, there's also a statutory reversal of the burden of proof. During this time, any manufacturing defect is automatically assumed to have existed at delivery. After that, if an issue arises, it's up to the rider to demonstrate that the fault wasn't due to misuse, wear, or external factors.

- What's not covered by the warranty:
- Damage caused by improper use or force majeure
- Normal wear and tear of components, unless caused by a production or material defect
- Damage from poor maintenance, unprofessional repairs or modifications, or the use of non-approved parts
- Damage from accidents or unusual external influences, not linked to faulty design
- Repairs done using second-hand parts or resulting issues
- Damage from competitive use or racing
- Add-ons, replacement parts, aftermarket parts and accessories not included at delivery, or damage caused by incorrect installation of such add-ons, parts and accessories.

For full details on maintenance and care, please refer to your instruction manual.



The range of your Desiknio depends on more than just the battery. It's shaped by your surroundings, your riding style, and how your bike is set up.

Environment Matters

Cold weather reduces battery efficiency. In winter, store your bike indoors whenever possible to maintain optimal performance. Hilly terrain, gravel paths, or poor road conditions will drain the battery faster than smooth, flat tarmac. Headwinds can also reduce range.

Your Bike Setup

Desiknio offers three assist levels. Higher assistance delivers more power — but also uses more energy. Carrying extra weight, whether from cargo or accessories, affects battery consumption. Keep your tires properly inflated to reduce drag and maximise efficiency. Like any lithium-ion battery, capacity will naturally decrease over time.

Battery Storage & Care

The battery in your Desiknio is fully integrated and not removable. Never let it sit at 0% charge for long periods. This can trigger deep discharge mode, permanently disabling the battery. If this happens, it will need to be replaced at your own cost, as it's not covered under warranty. Even when not riding, make sure to top up the battery every few weeks to preserve its health.

Riding Style

A smooth, steady pace is more efficient than frequent starts and stops. The more consistent your speed, the more distance you'll cover on a single charge.



Essential Safety Information According to EU Regulation GPSR (General Product Safety Regulation) for Electric Bicycles

The safety information is an integral part of the operating manual, which describes all relevant details.

Digital operating manuals can be accessed at desiknio.com/manuals-documents

Important Information

Reading the safety information does not exempt you from the obligation to read and follow the operating manual!

Failure to comply with the operating manual may lead to hazardous riding situations, falls, accidents, and property damage.

Contact your specialist dealer if you are unable to perform the described tasks on your electric bicycle (e.g., making adjustments), feel uncertain, or do not have the proper tools.

General Guidelines for Safe Use

- Failure to use the electric bicycle as intended may result in component and material failure, posing a risk of accidents and injuries:
 - Adhere to the restrictions of the specified [usage class/intended application/vehicle category].
 - Do not exceed the permissible total weight of the electric bicycle + rider + cargo + trailer (if applicable).
 - Do not exceed the specified service life of components, if indicated.
 - Follow the manufacturer's guidelines for transporting people and cargo.
 - Modifying the drive system, especially tuning, is not permitted.
- Check the electric bicycle for possible damage before every ride, particularly on the frame, fork, handlebar/stem unit, drive system, and seat post.
- Do not use the electric bicycle if damage is detected, such as cracks, scratches, or discoloration in high-stress areas.
- Be aware of an increased risk of injury due to potentially high temperatures of certain components (e.g., brakes, drive system, headlights).
- Follow the manufacturer's instructions for attaching accessories (bags, locks, child seats, carrier systems, etc.) and for using a trailer.
- Observe the applicable legal regulations for use in public road traffic in your country.
- When transporting the electric bicycle, follow the specifications of the manufacturer, the authorities, or the transport company.



Before Riding

Before each ride, check in particular:

- The proper function of brakes, steering, suspension, and lighting.
- The secure fit of the handlebar, stem, wheels, mudguards, and pedals.
- The tire pressure.

Inspection and adjustments must be carried out according to the manufacturer's specifications.

Riding Behavior

- Familiarize yourself with the handling, braking behavior, electric support modes, and walkassist function (if available), especially under varying loads, wet conditions, and loose surfaces.

After Riding / Maintenance

- If damage or functional issues occur, the electric bicycle must be inspected by a professional workshop before further use.
- Have the electric bicycle regularly inspected and serviced by a professional workshop according to the manufacturer's specifications to prevent hazards, such as wear and material fatigue,
- Adhere to the specified torque values (Nm) when assembling components.
- Use only manufacturer-approved batteries and chargers.
- Follow the manufacturer's instructions regarding battery charging and usage, especially regarding ambient temperature and charging location.
- Use only undamaged and unmodified batteries and chargers.

Manufacturer

myStromer AG
Freiburgstrasse 798
CH-3173 Oberwangen
Email: info@stromerbike.com

Responsible Person According to GPSR (EU)

Nesa Meta (CEO)
myStromer AG
Freiburgstrasse 798
CH-3173 Oberwangen
Email: info@stromerbike.com



COMPLIANCE AND LEGAL NOTICES

To ensure that your Desiknio bike meets all applicable European safety and compliance standards, we provide the full EU Declaration of Conformity online.

This declaration confirms that your bike complies with all relevant EU directives and harmonized standards, including:

- Machinery Directive 2006/42/EC
- EMC Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU
- Radio Equipment Directive 2014/53/EU
- RoHS, POP, and REACH regulations
- WEEE Directive 2012/19/EU
- Harmonized standards: DIN EN 15194:2024, DIN EN ISO 12100:2011, DIN EN ISO 20607:2019

The declaration applies to all variants of the following Desiknio model series:
Dopamine, Serotonin, Oxytocin, and Dopamine Peak — model years 2025 and 2026.

You can access the full Declaration of Conformity at any time — either by scanning the QR code or visiting the following link:

Link:
desiknio.com/manuals-documents

QR-Code:



Please make sure that the document corresponds exactly to your bike's model and technical variant.

The website also contains updates, additional legal documents, and extended product safety information where applicable.





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DESIKNIO

User Manual

R I D E H I G H