

momentum

Cito E+

Let's GO

USER MANUAL

V1.0

En

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1 Preface

1.1 Welcome

For Life in the Fast Lane

It's time to leave the car at home and get around your city in style. Cito E+ is fast, agile and powerful, making your everyday journeys so much more.

Whether you're taking kids to school, heading to work, getting groceries, or seeing friends, Cito E+ won't compromise on speed or style.

Momentum. Go Your Way.

Momentum bikes free you from the constraints of daily life. Empowering you to ride for clean living, fresh air, plus great stories and adventures along the way. Momentum gives you choices. Whatever the reason you're riding for, we're with you all the way. We create bikes for every journey, so you can go your own way.

1.2 Use of the manual

Safety instructions are very important and should not be overlooked. By reading this e- bike manual you will have a better understanding of the general operation of the various e- bike parts.

This manual is a supplement to the general bicycle owners manual. Read all information in both manuals carefully before you use on your new e-bike.

1.3 Illustrations

Illustrations shown in this document may differ in detail from the exact configuration of your e-bike. The illustrations are a general reference for instruction and description purposes only.

1.4 Symbols used in the manual



WARNING : Warns about a situation that can cause death, serious physical injury and/or heavy material damage if one does not obey the safety instructions.



CAUTION : Warns about a situation that can cause physical injury or material damage if one does not follow the safety instructions.



NOTICE : Provides important information to avoid problems.



INFO : Provides additional information.

1.5 Service & technical support



NOTICE : This manual is not intended to be an extensive reference book about service, maintenance and/or repairs. Please consult your dealer for service and technical support. The latest manual versions for our products can be found on our global website : <https://www.momentum-biking.com/global/manuals>



2 Safety

2.1 Safe use of the bicycle

Before using the e-bike on the open road, ride the bike in a secure area to get acquainted with riding a bike with electric pedaling support. Try all settings on the bike and get familiar with the results.



WARNING :

Using throttle is different experience compared to pedaling, please be familiar with how to use and control it before riding in traffic.

Use official Momentum gears for your bike and follow instruction in each accessory.

Regulation on E-bike and how, where to use it may be different by regions, when riding on road, please comply with local bicycle traffic laws and regulations.

Keep both hands on the grips on the handlebar and the brake levers within reach while riding, to be able to immediately respond to any circumstance. Failing to do so can cause you to lose control over the bicycle.

Before every ride, perform a pre-ride check of the technical state of the bike and all essential bike functions, like steering and braking.

Make sure the battery is properly placed and locked.

Ensure that all fasteners are properly tightened.

Make sure that there are no worn or damaged parts that may fail during the ride.

2.2 Battery & charger

Take all following information into account when handling the battery and the charger.



WARNING :

Keep the battery away from children and pets.

Keep the battery & charger away from water and open fire.

Do not drop or subject the battery & charger to any big shocks.

Charge the battery only with the charger that was supplied with the e-bike, or the spare-/replacement charger supplied by an official Momentum dealer.

Always remove the battery when adjusting derailleur or lubricating chain. Placing your hands (or other body parts) anywhere on the drivetrain while the system is still powered, could result in sudden activation of the SyncDrive motor.

Do not use the battery & charger for other purposes.

Never connect the battery's terminals with each other.

Do not cover the battery & charger or place objects on top of it during charging.

- Do not leave the battery & charger unattended while charging.
- Disconnect the charger and the battery immediately if you notice a strange smell or smoke.
- In the unlikely case that the battery is on fire : NEVER try to put the fire out with water. Cover the fire with large amounts of sand, and call emergency services immediately.



CAUTION : Avoid contact with battery and charger during charging operation. The charger can become hot during charging.



NOTICE : When the battery has reached the end of the service life, it should be treated as hazardous waste material. It should not be disposed of in regular household trash. Ask your dealer for advice on proper disposal of the battery.

2.3 Passengers & cargo

The maximum gross vehicle weight for the Cito E+ is 200 kg (440 lbs). This includes the bike, rider, passenger(s), and any additional cargo or accessories. The maximum total load limit for the rider, passenger(s), and any additional cargo or accessories is 164 kg (361 lbs).



WARNING :

- Never exceed the maximum total load limit.
- Always make sure that any cargo, child-seat feature or any other accessory fitted on the Cito E+ is securely fitted in accordance with the manufacturer's instructions.
- Always make sure that there are no loose straps or other items that could get caught in the moving parts of the bicycle.
- Cargo should not obstruct the rider's view, or limit the proper operation of the e-bike in any way.



CAUTION :

- Cargo can only be safely carried on the carriers. Do not attach cargo to any other part of the bike.
- The bicycle may behave differently (particularly with regard to steering and braking) when riding with cargo or passengers.



NOTICE :

- Check and adjust positioning of reflectors and lamps such that these are not obscured when luggage is attached to the luggage carrier.

2.4 Accessories & attachments

Original Cito E+ accessories

It is recommended to use only original Momentum Cito E+ accessories. These are specifically designed for the Cito E+ for optimal fit and function.



WARNING :

Never exceed the total maximum load limit of the e-bike as stated elsewhere in this user manual.

Always follow the instructions for installation, usage and safety included with each particular accessory.



NOTICE :

If instructions are unclear or missing, take action to obtain the necessary information before installing and using the accessory.

Child seats

It is recommended to use Thule Yepp child seats on the The Cito E+. The rear carrier of the Cito E+ is designed to fit up to 2 Thule Yepp Maxxi child seats with the Easyfit system.



WARNING :

Never exceed the carrier maximum load capacity and/or maximum load limit of the Cito E+ as stated elsewhere in this user manual.

Always follow the child seat manufacturer's instructions for installation, usage and safety.

Some types/models/brands of child seats may not fit the Cito E+ properly.

Never modify any original parts of the e-bike to accommodate a child seat.

Improper installation or incompatible mounts can cause the child seat to become detached from the carrier during riding and lead to serious injuries or death.

Keep the storage box closed and locked during the use of a child seat.

When a saddle of a type with exposed coil springs is fitted, a child's fingers could get injured by getting trapped in the coil springs. Take appropriate steps to prevent the trapping of the child's fingers when using a child seat.



CAUTION :

The use of a child seat can cause extra load stress and increased wear on the e-bike's electric and/or mechanical parts.

Carriers



CAUTION :

Before use, always consult the documentation that came with the carrier and/ or consult your local dealer for installing instructions, maximum load, torque specifications, parts specifications, maximum compatible wheel size, trailer and child seat compatibility.



NOTICE :

For information about the name and address of the manufacturer, importer or representative, trademark, model and production batch number or reference, check the carrier's documentation and/or on the carrier itself.

Bicycle trailers & trailer bicycles



WARNING :

Never exceed the total maximum load limit of the e-bike as stated elsewhere in this user manual.

Always follow the trailer manufacturer's instructions for installation, usage and safety.

Never modify any original parts of the e-bike to accommodate a (third party) trailer.



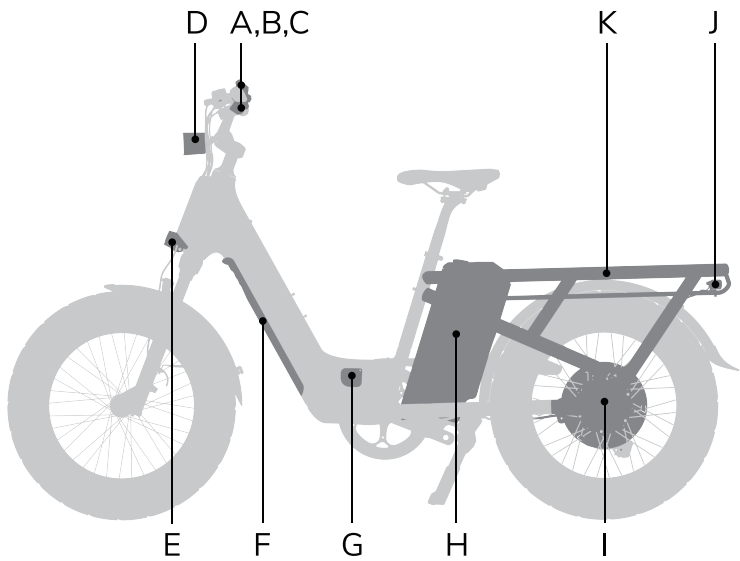
CAUTION :

The use of a (third party) bicycle trailer or trailer bicycle will cause extra load stress and increased wear on the e-bike's electric and/or mechanical parts.

3 Description

The Cito E+ comes equipped with some unique components and specific features. This chapter briefly explains several of the important parts and terminology.

3.1 Part overview



Ref.	Item	Description
A	RideControl	User controls and display screen
B	Throttle	Throttle function
C	Switch	Control the functions
D	Front light	LED light
E	Horn	Sound-making device
F	EnergyPak	Frame integrated removable battery
G	Smart Charge port	Connection socket for Smart Charger
H	Storage Box	Small item storage
I	SyncDrive motor	Rear Hub Motor unit
J	Rear light	Integrated turn indicator and rear light
K	Rear Carrier	Rear cargo & child seat carrier

3.2 EnergyPak

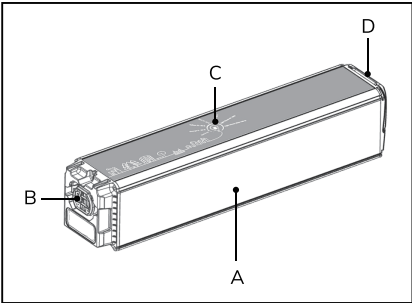
The EnergyPak is the battery that powers the system.

3.2.1 EnergyPak Smart 780

The EnergyPak Smart 780 is a rechargeable 48V battery with 780Wh total capacity. This large capacity battery utilizes 22700 Li-Ion cell technology in partnership with Panasonic. This EnergyPak has a handle for easy carrying and the unit itself is removable from the underside of the downtube. A keyed lock and a safety latch provide security.

Parts description

- A.** EnergyPak
- B.** Charging socket
- C.** Energy level indicator
- D.** Battery handle



NOTICE :

Technical specifications of the battery and other detailed information can be found on the printed label on the EnergyPak.

3.3 Charger

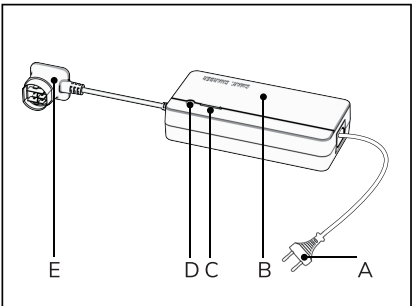
The EnergyPak can be charged with the supplied charger. The charger can be connected via the charge port on the e-bike, or directly to the EnergyPak.

3.3.1 4A Smart Charger 48V

The 4A Smart Charger is a powerful charger for our high capacity EnergyPaks. The smart charger continuously monitors the internal state of the battery and adjusts the charging process accordingly for the fastest charging speed and the maximum battery lifespan.

Parts description

- A.** AC socket (110V~240 V)
- B.** Charger
- C.** 60% charge indicator LED / button
- D.** 100% charge indicator LED
- E.** Charge socket





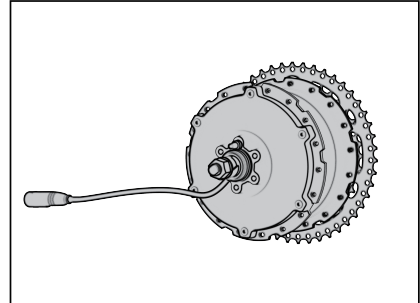
NOTICE : Technical specifications and other details can be found on the printed label on the charger.

3.4 SyncDrive

The SyncDrive is the motor that provides the power assistance to the user.

3.4.1 SyncDrive Move S

The SyncDrive Move S uses input from various integrated and/or external sensors to activate and control the power output. The SyncDrive Move S is designed for smooth and reliable operation under high workloads and is specifically tuned for the Cito E+.



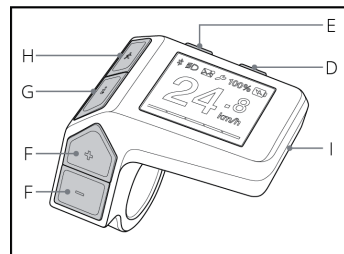
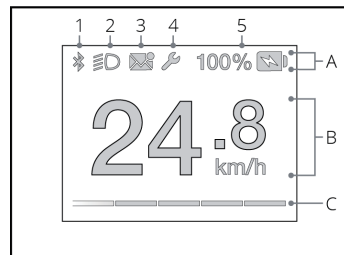
3.5 RideControl

The RideControl is the control unit that allows the user to select and control the functions of the e-bike.

3.5.1 RideControl Dash

The RideControl Dash is a remote with integrated color display screen, that shows e-bike system and ride information.

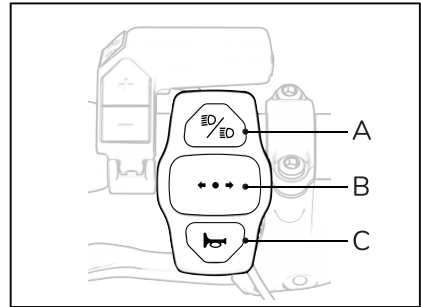
- A.** Status bar
 - 1. Wireless connection
 - 2. Light status
 - 3. Phone notification
 - 4. Service
 - 5. Battery status
- B.** Data field
- C.** Assist level indicator
- D.** Light / screen backlight
- E.** Power on/off
- F.** Assistance level up/down
- G.** Info select
- H.** Walk Assist
- I.** USB-C port



3.6 Switch

The Switch is the control unit that allows the user to control the functions of the e-bike. It can switch the front/rear lights and a horn.

- A.** Front Light - High/Low beam
- B.** Turn indicator
- C.** Horn



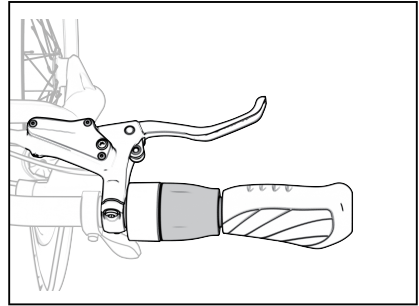
4 Bike usage

This chapter describes how to use and operate the important parts and systems of the e- bike.

4.1 Throttle

Go up to 28MPH/ 45KPH in pedal-assist mode and 20MPH/ 32KPH with throttle function.

- The Cito E+ is a pedal assist e-bike. Simply begin pedaling and the Cito E+ will move forward.
- The Cito E+ is also equipped with a throttle on the right hand side of the handlebar.



To use the throttle assist, begin pedaling the Cito E+ and upon reaching a speed of 4MPH/ 6KPH engage the throttle by carefully twisting it back towards the pilot. After the throttle is applied, the rider can stop pedaling entirely and use your wrist to control the speed of the Cito E+.

Twist a little or twist further to make the Cito E+ go quicker (up to 20MPH/ 32KPH). Release the throttle or apply the brakes and the power is cut from the motor (no motor assistance).

Always maintain control of your speed by keeping your hands on the grips and rear brakes while in motion.

4.2 Switch

The Switch is the control unit that allows the user to control the functions of the e-bike.

4.2.1 Front Light - High/Low beam

Switching the Front Light :

Short press (< 2sec) the light button to adjust the high/low beam.

Long press (> 2sec) the light button to switch the bike light On/Off. The light indicator on the RideControl Dash lights up.

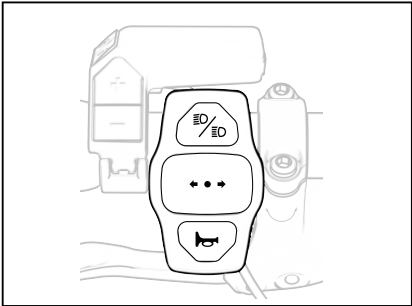
4.2.2 Turn indicator

Using the Turn indicator :

Short press the left/right button to make the rear light of turn indicator flashing, and press the button again to turn off the turn indicator.

4.2.3 Horn

Press the button to make the loud noise as a warning. Stop pressing the button, and then the sound stops.



4.3 Carriers

The standard front and rear carrier of the Cito E+ provide numerous ways to carry many sorts of cargo. Additional accessories can offer practical solutions for specific demands. In addition to the important information in the chapter on safety, take into account the following general guidelines :

Distribute the weight evenly between the front and rear, left and right of the bike.

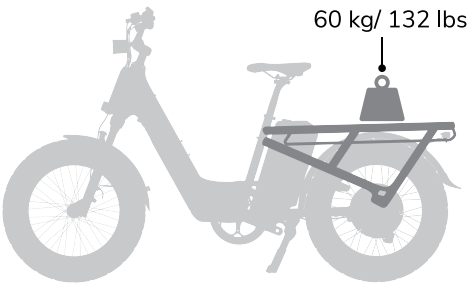
Place heavier cargo as close to the center and as low on the bike as possible.

Secure the cargo with straps or binders.

Ensure you can keep good balance and control, before riding in traffic with passengers and/or cargo.

Do not exceed the maximum total load limit of the Cito E+.

Do not exceed the maximum load weight for each carrier, as indicated below :

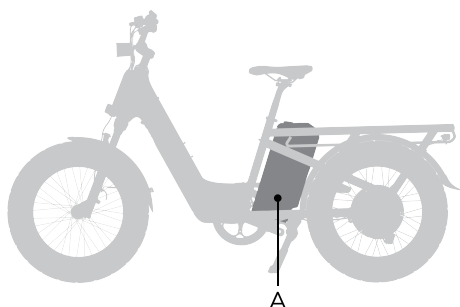


Rear carrier maximum load weight : 60 kg/132 lbs.



NOTICE : Technical specifications of the battery and other detailed information can be found on the printed label on the EnergyPak.

4.4 Storage Box



The Cito E+ Storage box (A) is intended for carrying smaller items such as a multitool, minipump, foldable umbrella, lunchbox etc. The lid can be locked and opened with the included keys that are also used for the battery lock. Push the lock shield to the side to access the lock's key entry.



NOTICE :

Although the storage box can be locked, it is not in any way guaranteed to protect against theft. Do not store any valuable items inside the storage box and leave the bike unattended.

The dropper seatpost and saddle might hinder access to the storage box when they are in the lowest position.

Even with the dropper seatpost fully extended to the highest position, it might still be necessary to loosen the seatpost clamp and raise the seatpost slightly to be able to fully access the storage box.

If upward movement of the seatpost is too limited by this dropper remote wire, ask your dealer for technical assistance.

4.5 Keys

The Cito E+ comes standard with two identical keys that fit the battery lock and the storage box lock. Keep one of the keys with the key number tag stored as a spare. Write down the key number and keep that stored together with the bike's frame number and other documents.



NOTICE :

Always bring the key when visiting the dealer for maintenance or repairs.

Without the key, a locked battery and/or storage box cannot be opened/removed without damage.

Make sure you always have at least one spare key.

It is recommended to get an extra spare copy of the key.

A qualified locksmith can make a duplicate of the original keys.
Store your key number and spare key(s) in a safe yet accessible place.

4.6 Riding range

Riding range can be difficult to predict accurately. A higher capacity EnergyPak will provide a higher range when all other factors are the same. But in practice there are many factors that influence energy consumption, and they can vary greatly. An understanding of how particular factors will affect energy consumption, together with experience, will help to optimize the riding range and start your trip with confidence.

4.6.1 Factors that affect range

The range on one charge strongly depends on several circumstances, such as (but not limited to) :

- The total vehicle weight including the rider, passengers and cargo loaded onto the bike.
- Weather conditions, such as ambient temperature and wind.
- Road conditions, such as elevation and road surface.
- Bike conditions, such as tire pressure and maintenance level.
- Amount of charge and discharge cycles.
- Age and condition of the EnergyPak.
- Bike usage, such as acceleration and shifting.
- Assist level(s) used.



INFO : A new EnergyPak might not yet report the power level very accurately. This will improve after a few full cycles of discharging (by riding) and recharging.

4.6.2 Best practices for riding range

For optimal riding range and to minimize wear of the moving parts on your e-bike, try to make a habit out of the following best practices :

Select an appropriate gear for the riding speed and pedaling speed (cadence).

Shift gears often. Choose a relatively low gear and high, but comfortable pedaling cadence. This provides an optimal ratio between power output and energy consumption in almost all riding scenarios.

Don't stay in one (high) gear. Setting off and riding at lower speeds in a high (heavy) gear will result in higher energy consumption.

Release pressure on the pedals while shifting gears.

Select the right assist level.

Choose the lightest assist level that you need.

Ride in harmony with traffic and the environment.

Try to ride at a steady speed and keep the momentum going. Fewer decelerations require fewer accelerations, which minimizes power consumption.

Keep the load weight minimal.

Remove any items and/or removable accessories that you don't need.

Keep the e-bike clean and in optimal technical condition.

Check and maintain tire pressure regularly.

Check and maintain the drivetrain (chain, chainwheel, sprockets, etc.) regularly.

Always bring your e-bike to your dealer for the scheduled periodic maintenance.

4.7 EnergyPak

4.7.1 First use

A new EnergyPak is shipped in a protective 'hibernate' state. It must be activated before it can be used. Usually, the dealer will have activated and fully charged the EnergyPak before delivery. If not, you take the following steps to activate it :

Connect the charger to the EnergyPak (see the topic on charging for details).

Disconnect the charger from the EnergyPak.

The EnergyPak is now activated.

**INFO :**

It is recommended to fully charge the EnergyPak before the first use. This would automatically activate the battery.

It is not possible for an EnergyPak to go back to 'hibernate' state once it is activated.

4.7.2 EnergyPak removal & installation

The procedure for removal and installation of the EnergyPak can vary by the e-bike type and model. Read and follow all instructions carefully.

**CAUTION :**

An EnergyPak is relatively heavy. Take special care to support the weight of the EnergyPak when unlocking/releasing the EnergyPak to prevent dropping.

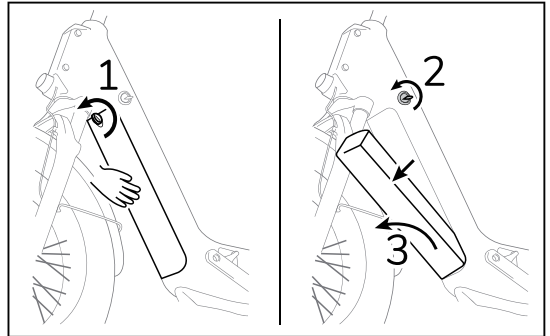
4.7.2.1 EnergyPak Smart 780



NOTICE : Always switch off the power first, before removing the EnergyPak.

Removing the EnergyPak :

- Loosen the twist knob on the battery cover and remove it from the underside of the downtube.
- Hold the battery in the frame to make sure it can not drop when unlocking;
- Insert the key and unlock the EnergyPak. The EnergyPak will be ejected slightly;
- Push the drop protection lever to fully unlock the EnergyPak;
- Remove the battery from the bike.



Installing the EnergyPak :

Reverse removal procedure to install the EnergyPak.

Make sure the connector slots are aligned correctly at the bottom;

Push the top of the EnergyPak and make sure the EnergyPak is secured properly (a 'click' can be noticed while doing so);

Replace the cover and secure with the twist knob

Pull out the key;

The bike is ready for use.

4.8 Charging

Charging the EnergyPak can be done in various ways. Choose the method that best suits your situation.



CAUTION :

Use only a suitable charger provided with the e-bike or provided by an authorized dealer.



NOTICE :

An EnergyPak can be charged at any particular power level remaining.

Charge the EnergyPak whenever necessary, but try to avoid very frequent, very short charges.

Charge the EnergyPak battery at room temperature ($\pm 20^{\circ}\text{C}/68^{\circ}\text{F}$).

Charging below 0°C or above 40°C ($32^{\circ}\text{F}\sim 104^{\circ}\text{F}$) can lead to insufficient charging and can have a negative impact on the battery life cycle.

4.8.1 Charging a removed EnergyPak



CAUTION :

Always take care to align all connectors properly before connecting.

Procedure

To start charging :

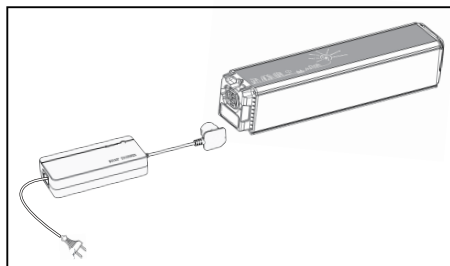
- Connect the charger to the EnergyPak;
- Connect the charger to an AC outlet;

To activate 60% charge mode (optional) :

- Press the 60% charge mode indicator/button.

To stop charging :

- Disconnect the charger from the AC outlet;
- Disconnect the charger from the EnergyPak.



INFO :

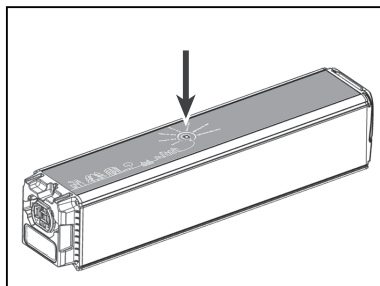
The LEDs on the Smart charger show the process status.

The LED indicator on the EnergyPak shows current energy level.

Charging can be stopped/interrupted at any time.

4.8.2 EnergyPak charging level indicator

Power in the EnergyPak can be checked when the battery is charging. The LED indicator on the battery will light up with a 1 second delay.



Power level	LED indicator
0-20% charge	Orange Blink
21-40%	Yellow Blink
41-60%	Blue Blink
61-80%	Green Blink
81-99%	Light Green Blink
100%	Light Green (On)
Error	Red Blink



NOTICE :

When an EnergyPak is connected to the bike, some power will get lost in the system when the bike is not in use. To prevent this, the EnergyPak can be disconnected from the bike when not in use for more than a few days.

After a ride, do not leave a completely empty EnergyPak without charge for an extended period. Try to make sure that it is at least partially charged within 1 or 2 days.

When weather conditions are bad (rain, snow, mud, sand, dust) it is recommended to take out the EnergyPak after the ride and make sure the connections are clean and dry before the next ride.

4.8.3 Charging an installed EnergyPak



CAUTION :

Always take care to align all connectors properly before connecting.

Make sure the bike is steady and standing firmly.

Do not sit on the bike, move the bike or rotate the cranks while the charger is connected to the bike.

Procedure

To start charging :

- Pull and rotate the charge-port cover clockwise;
- Connect the charger to the charge-port on the bike;
- Connect the charger to an AC outlet;

To activate 60% charge mode (optional) :

- Press the 60% charge mode indicator/button.

To stop charging :

- Disconnect the charger from the AC outlet;
- Disconnect the charger from the EnergyPak.
- Put the charge-port cover back in place;



INFO :

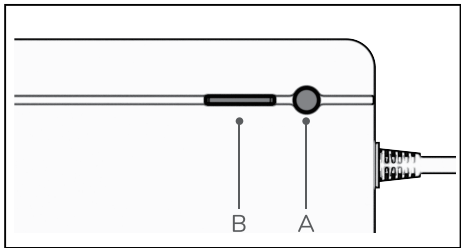
The LEDs on the Smart charger show the process status.

The LED indicator on the EnergyPak shows current energy level.

Charging can be stopped/interrupted at any time.

It is recommended to keep the system switched off during charging.

4.8.4 LED Status description



LED	Color	Behavior	Status
A	RED > GREEN > OFF	sequence	Power on self test
B	GREEN > RED > OFF		
A	RED	on	No battery connected
A	GREEN	blinking(0.5s)	Charging active
A	GREEN	on	Charging completed
A	GREEN	slow blinking(1s)	Battery charging over temperature protection
A	YELLOW	on	60% charge mode active
A	Red(0.5s)>Off(1.5s)	sequence	Charging issue (Over Voltage Protection)
A	Red(0.5s)>Off(0.5s)> Red(0.5s)>Off(1.5s)	sequence	Charging issue (Over Current Protection)
A	Red(0.5s)>Off(0.5s)> Red(0.5s)>Off(0.5s)> Red(0.5s)>Off(1.5s)	sequence	Charging issue (Over Temperature Protection)
A	Red(0.5s)>Off(0.5s)> Red(0.5s)>Off(0.5s)> Red(0.5s)>Off(1.5s)	sequence	Charging issue (Communication Error)
A	Red>Green>Off	sequence	Charging issue (Short Circuit Protection)
B	Green>Red>Off		

If there is a charging issue, please check the charging circuit, and disconnect the AC source of the charger, and then reconnect it after the LED goes out.

4.8.5 Charging time table

EnergyPak Smart 780

4A Smart charger time table (110-240 V)

Charging level	Time
60% charge	2:45 h
80% charge	3:50 h
100% charge	5:20 h

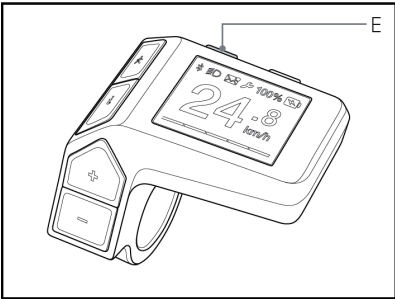


INFO : This charging time table shows an indication of the average charge times for a new, healthy battery under optimal charging conditions. Actual charge times may vary depending on temperature, battery health and age etc.

4.9 Controls

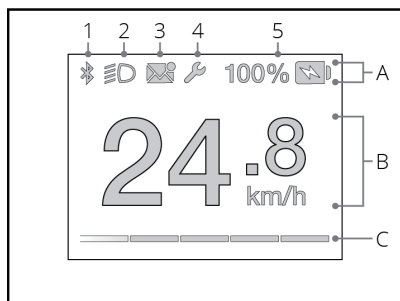
4.9.1 RideControl Dash

Powering on and off



- On : Press the On / Off button (E) to switch on the system.
- Off : Press the On / Off button (E) for at 2 seconds to switch off the system.

Powering on and off



Status bar (A)

The status bar always shows the battery status (5). Other icons (1-4) will appear when that function is active.

1. Wireless connection : Indicates an active wireless connection between the bike and a smartphone with the RideControl app.
2. Light status : The light icon indicates that the bike lights are switched on.
3. Notification : Indicates that there are new or unread messages on a smartphone. Only via the RideControl app.
4. Service indicator : The service indicator (wrench icon) appears when periodic technical maintenance is due or when a system event (malfunction) has occurred.
5. Battery status indicator : The battery status indicator shows the current EnergyPak charge level from 100% to 0%.
6. When battery power is less than 3%, the battery icon starts blinking. The system will switch to lowest assist level.
7. When battery power is less than 1%, the battery icon is blinking. Power Assist will shut down. The light system will be still functional for at least 2 hours.



INFO :

- Some RideControl app functions and features mentioned in this manual may not be available at this time. Compatibility and available features may also vary depending on app version, e-bike model, component hardware/firmware version, smartphone specifications, operating system, etc.

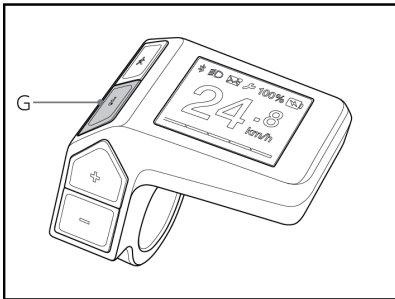
Data field (B)

The RideControl Dash has a single data field to display the selected information. The data field displays 'Speed' information by default.

Data field options :

- SPEED : Current riding speed.
- RANGE : Estimated remaining riding range on current assist level.*
- ODO : Total riding distance since first use.
- DISTANCE : Riding distance since last reset.
- TRIP TIME : Riding time since last reset.
- AVG SPEED : Average speed since last reset.
- MAX SPEED : Maximum speed since last reset.
- CADENCE : Current pedaling speed in rpm (rotations per minute).

* The range is an estimated number. Various circumstances during the ride, like load weight, terrain profile and weather conditions, may affect the actual range.



Press the 'Info select' button (G) on the RideControl Dash to change to a different data field. The screen will display the description of the new field for 2 seconds and switch to the new field.

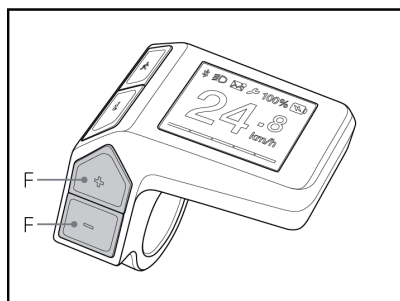
Assist level indicator (C)

The Assist Level indicator visually represents the currently selected assist level as a row of 5 bars that can vary in color.

Assist level options * :

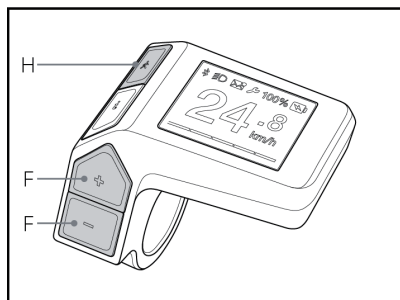
- OFF
- ECO
- ACTIVE
- POWER

* Assist levels availability and power ratio per level depend on SyncDrive motor type and factory system settings.



Press the Assist Level Up [+] /Down [-] buttons (F) to change to the desired assist level. The screen shows the new assist level name and estimated remaining riding range for 2 seconds. Then the riding screen will return with an updated level indicator.

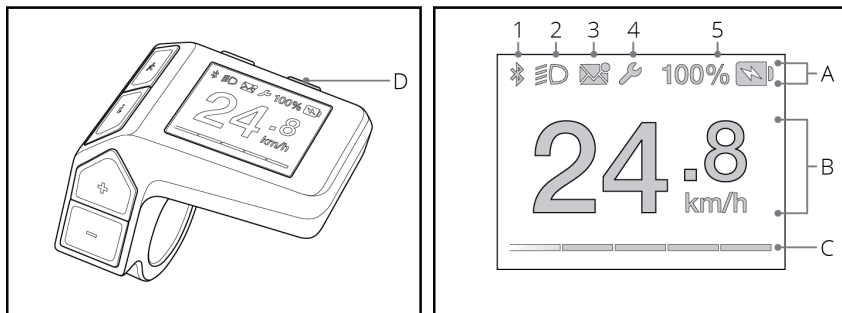
Walk assist



The Walk Assist function is to help you while walking with the bike. Walk Assist works up to a speed of 6 km/h (4mph) and is at its most powerful in the lowest (easiest) gear.

- Press the Walk Assist button (H) to set Walk Assist standby.
- Press the Assist Level Up [+] button (F) within 3 seconds. Walk Assist will engage.
- Release Assist Level Up [+] button (F) button to stop/pause.
- Press Assist Level Up [+] button (F) again within 3 seconds to re-engage.
 - If no button is pressed within this time, the system will automatically return to normal riding mode after 3 seconds.
- Pressing any other button will directly exit Walk assist mode and return to normal riding mode.

Lighting / screen brightness



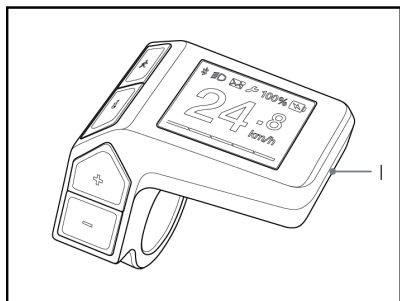
Turning On/Off the bike lights :

Long press (>2 sec) the light button (D) to switch the bike lights On / Off. The light indicator (A2) lights up

Changing the screen brightness :

Press the light button (D) repeatedly to change brightness (low/medium/high).

USB-C port



The USB-C port (I) can be used to power or charge an external device like a smartphone, bike light or bicycle computer.

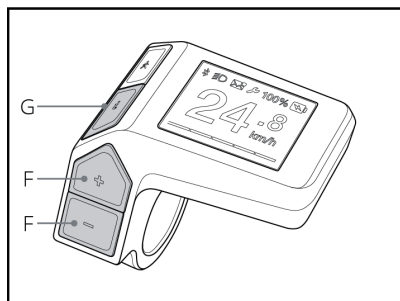
- To access the USB-C port, pull the corner and lift the cover. Use the appropriate cable (not included) for your device to connect it.
- The port is only a power outlet (5 V / 1.5 A). It cannot be used for data transfer.



CAUTION :

- Do not use the USB-C port in wet or moist conditions.
- Make sure no liquids, mud or dirt can enter the USB-C port.
- Always close the USB port cover properly when the USB-C port is not in use.

Powering on and off



Changing display units (metric/imperial) : Press and hold 'Info' button (G) for 5 seconds.

Resetting sub data fields :

- To clear DIST, TRIP, AVG SPD : press and hold Assist Level Up [+] and Down [-] buttons (F) simultaneously for 3 seconds.
- To clear MAX SPD : scroll to MAX SPD data field. Press and hold Assist Level Up [+] and Down [-] buttons (F) simultaneously for 3 seconds.

System events

A system event warning screen shows when a malfunction occurs :

- A warning screen is displayed for 2 seconds.
- An event description is displayed for 5 seconds.
- The riding screen returns after the warning screen, showing the service indicator in the status bar.

Quick troubleshooting steps :

1. Make a note of the event description.
2. Switch off the system.
3. Visually check for any obvious cause.
4. Solve any easy and obvious cause, if safely possible (e.g. reinstall incorrectly placed battery).

Switch the system back on. If the issue is solved :

- Normal use may be continued.
- Schedule a service check at an authorized dealer. If the issue returns, repeat step 1-5.

If the issue persists :

- Quit riding.
- Contact authorized dealer for diagnose and repairs.

5 Transport

5.1 Transporting an e-bike

A common way that an e-bike is transported by users, is on the outside of an automobile, in some way or form. The separate or removable (electronic) parts of the e-bike, such as the charger and EnergyPak, should then always be transported separately from the bike. Loose items inside the storage box, accessories, like bags and their contents, should also be removed during transport.



CAUTION :

Whatever the means of transport, always follow the instructions and restrictions provided by the manufacturer(s) of the vehicle and/or bicycle carrier used for transporting an e-bike.

Batteries are not designed to be on the bike during transportation by automobile. Batteries must be taken off the bike(s) and transported inside the automobile.



NOTICE :

Avoid transporting an e-bike in bad weather conditions. If this can't be avoided, it is strongly advised to sufficiently cover any exposed electronic parts. Higher speeds combined with wind and rain could cause moisture to be pressured into the electronic parts, which can (temporarily) lead to malfunctions. It may be necessary to allow the parts to dry by air when the destination is reached.

5.2 Travel

If you plan to travel with your e-bike, make sure to prepare early. There are certain regulations for transporting batteries and electronics on airplanes or other types of (public) transportation. These regulations can vary by country, location and/or transport company. Check the regulations and acquire any necessary documentation in advance. Your dealer can provide assistance on getting the specific documentation for your e-bike.

6 Storage

6.1 E-bike

Store the bike in a location where it is protected from snow, rain, sun etc. Snow, rain, road salts and acids can cause parts to corrode. The ultraviolet light from the sun can fade the paint and can cause rubber or plastic parts to become porous or to crack.

6.2 EnergyPak

If the bike is not used for a longer period (one month or more) the EnergyPak is best stored :

At 60% of its capacity. (Use the Storage Charge function on the smart charger)

Separate from the bike.

At temperatures between 0°C and 40°C.



CAUTION :

Charge the EnergyPak every 3 months. Negligence to do so may void the warranty of the EnergyPak.



NOTICE :

Check the EnergyPak every month to see that there is at least 10% capacity. Charge the EnergyPak if necessary.

7 Maintenance

Regular maintenance and cleaning are essential for optimal performance and safety. Follow the instructions in this manual and ask your dealer for advice and recommendations on maintenance, cleaning, tools and materials.



INFO : Make sure to also read the information on maintenance in general bike owner's manual.

7.1 Cleaning

Use a soft cloth or brush, optionally with a minimal amount of a neutral cleaning solution, to wipe dirt off. Wipe dry with a clean soft cloth afterwards.



CAUTION :

Do not use high-pressure water or air hoses for cleaning. It can force water into (sealed) electric components, which may cause malfunctions and defects.
Do not wash the E-bike components with excessive water. If water reaches internal electrical parts, it may cause malfunctions and other problems.



NOTICE :

Do not use non-neutral cleaning solutions to wash the components. Non- neutral solutions may cause materials to deteriorate, change color, distort, scratch etc.

8 Legal documentation

8.1 Warranty

Momentum warrants for the original owner only the frame, rigid fork, or original component parts of each new Momentum brand bicycle to be free from defects in material and workmanship for the following specified periods :

Warranty of two years for electronic equipment such as :

- RideControl display & buttons

- SyncDrive motor

- EnergyPak battery;

 - for 60% of its original nominal capacity at a maximum of 600 charges.

- Wiring

For all other parts and components we refer to the general user manual that is delivered with this e-bike as well. That user manual is leading in case of any issues. The information below and in Exclusions on page 36 is only for reference.

REQUIRED ASSEMBLY WHEN PURCHASED.

This warranty applies only to bicycles and frame sets purchased new from an Authorized Momentum Dealer and assembled by that dealer at the time of purchase.

LIMITED REMEDY

Unless otherwise provided, the sole remedy under the above warranty, or any implied warranty, is limited to the replacement of defective parts with those of equal or greater value at the sole discretion of Momentum. This warranty extends from the date of purchase, applies only to the original owner, and is not transferable. In no event shall Momentum be responsible for any direct, incidental or consequential damages, including, without limitation, damages for personal injury, property damage, or economic losses, whether based on contract, warranty, negligence, product liability, or any other theory.

Momentum makes no other warranties, express or implied. All implied warranties, including the warranties of merchantability and fitness for a particular purpose are limited in duration to that of the express warranties stated above. Any claim against this warranty must be made through an Authorized Momentum or distributor. The purchase receipt or other proof of the date of purchase is required before a warranty claim may be processed.

Claims made outside the country of purchase may be subject to fees and additional restrictions. Warranty duration and detail may differ by frame type and/or by country. This warranty gives you specific legal rights, and you may also have other rights which may vary from place to place. This warranty does not affect your statutory rights.

8.2 Exclusions

Normal wear and tear on parts such as tires, chains, brakes, cables and gearwheels in situations where there are no assembly or material defects.

Bicycles serviced by other than an Authorized Momentum dealer.

Modifications from the original condition.

Use of the bicycle for abnormal, competition and/or commercial activities or for purposes other than those for which the bicycle was designed.

Damage caused by failing to follow the user manual.

Paint finish and decal damage resulting from taking part in competitions, jumping, downhill and/ or training for such activities or events or as a result of exposing the bike to, or riding the bike in, severe conditions or climates.

Labor charges for part replacement or changeover.

Except as is provided by this warranty and subject to all additional warranties Momentum and its employees and agents shall not be liable for any loss or damage whatsoever (including incidental and consequential loss or damage caused by negligence or default) arising from or concerning any Momentum bicycle.

8.3 Disclaimer

Do not tamper with your bicycle. Tampering is removing or replacing any original equipment or modifying your bicycle in any way that may change its design and/or operation. Such changes may seriously impair the handling, stability and other aspects of the bicycle, making it unsafe to ride. Tampering can void the warranty and render your bike not in compliance with the applicable laws and regulations. To ensure safety, quality and reliability, use only original parts or Momentum authorized replacements for repair and replacement. Momentum is not responsible for any direct, incidental or consequential damages, including, without limitation, damages for personal injury, property damage, or economic losses due to tampering.

8.4 FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions :

This device may not cause harmful interference, and

This device must accept any interference received, including interference that may cause undesired operation.

Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



INFO : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with radio frequency exposure limits set forth by the FCC for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 5mm between the device and the user or bystanders.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

8.5 IC

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions :

- This device may not cause interference;

- This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with radio frequency exposure limits set forth by the Innovation, Science and Economic Development Canada for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 5 mm between the device and the user or bystanders.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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