



# Valeo 2BCXA-VIEWPLUS Cyclee System Instruction Manual

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**Valeo 2BCXA-VIEWPLUS Cyclee System**



## Specifications

- Intended Use: The View Plus display is designed to control and give information about the Valeo Cyclee™ system. New functions, changes in software may be introduced during the product life.
- For some bikes, the software specifications may be different than stated in this manual (default specifications), please refer to your bike manufacturer if needed.

## INTRODUCTION

- We thank you for choosing an e-bike equipped with the Valeo Cyclee™ system.
- This revolutionary system will allow you to tackle every journey with your e-bike, whether it's a city commute, a mountain ride or a cruise on the week-end.
- It is the user's responsibility to read and comply with this manual to ensure the proper use and function of the Valeo Cyclee™ system.
- Note: The content of this user manual is subject to change without notice. To make sure you have the final version, visit our website regularly at [www.valeocyclee.com](http://www.valeocyclee.com)
- Due to customization by the e-bike manufacturer the specifications of this manual may not reflect all specifications of your e-bike. Please refer to your bike manufacturer if necessary.
- Valeo cannot under any circumstances be held accountable for any direct or indirect damage of any nature whatsoever, nor for losses or costs resulting from improper use.



## SAFETY INSTRUCTIONS

- Read all the safety and general instructions.
- Failure to observe the safety instructions may result in serious injury and/or fire and/or electric shock.
- Make sure to not be distracted by the display while riding to avoid accidents. If you want to manipulate your display other than switching the assistance level, stop riding to do so.
- Save all safety warnings and instructions for future reference.
- The term display is used in these instructions to describe the on-board computer of your Valeo Cyclee™ system.
- Do not use the on-board computer as a handle. Lifting the e-bike up by the display can cause irreparable damage to the on-board computer.

## Product FCC ID: 2BCXA-VIEWPLUS

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
  1. This device may not cause harmful interference, and
  2. This device must accept any interference received, including interference that may cause undesired operation
- No changes shall be made to the equipment without the manufacturer's permission as this may void the user's authority to operate the equipment This device complies with the FCC Requirements for Radio Frequency (RF) Exposure as per Part 15C

## PRODUCT SPECIFICATIONS

### Intended use

- The View Plus display is designed to control and give information about the Valeo Cyclee™ system. New functions, changes in software may be introduced during the product life.
- For some bikes the software specifications may be different than stated in this manual (default specifications), please refer to your bike manufacturer if needed.

## PRODUCT FEATURES

- The numbering of the components shown refers to the illustrations associated.

## Display

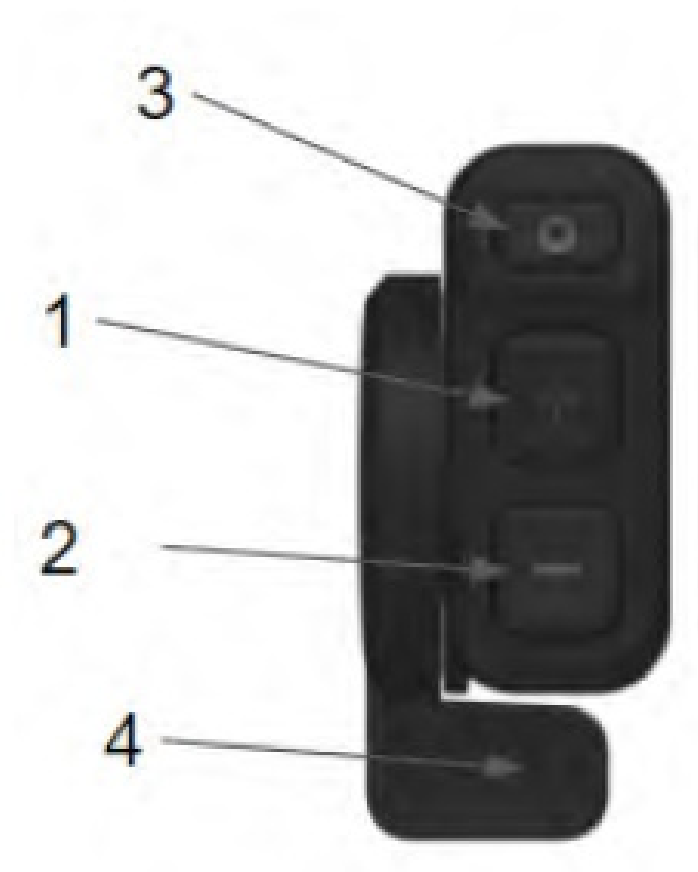
1. ON/OFF (long press: anti-theft function)
2. Lights (long press: mileage navigation)
3. Assistance level selection
4. Display holder
5. USB-C port (for phone recharge 5V & 2A max. and diagnostic tool connexion)



**Note:** the display is equipped with a luminosity sensor. When the surroundings light drops, the screen backlight will be activated automatically.

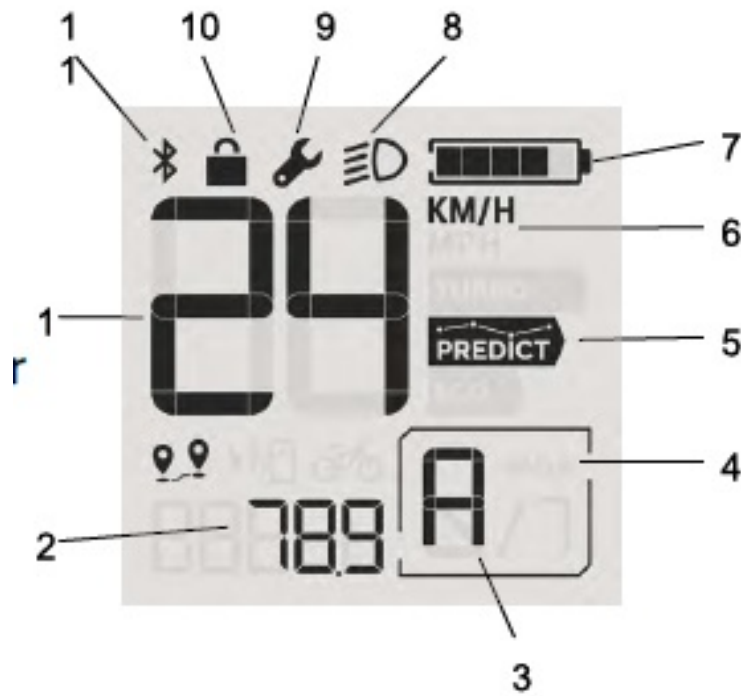
## Remote

1. Upshift for gearbox
2. Downshift for gearbox
3. Gearbox mode selection (Auto – Manual) Long press: Reverse (Optional on defined bikes)
4. Throttle (Boost & Walk assist)



#### **Main screen elements**

1. Current speed
2. Distance
3. Gear engaged
4. Walk assist
5. Assistance mode
6. Unit selected (KM/H or MPH)
7. Battery state of charge indicator
8. Light status
9. Maintenance mode
10. Lock mode
11. Bluetooth status



## TECHNICAL DATA

<b>Model</b>	View Plus
<b>SKU display</b>	654200
<b>SKU display mount</b>	654201
<b>Protection rating</b>	IP65
<b>Screen size</b>	40 x 40 mm

## OPERATING INSTRUCTIONS

- The power of the View Plus display is supplied by the Valeo ebike system battery.
- Please read the battery, charger and the Valeo Cyclee™ mobile app user manual before using the View Plus display.

### Switching the system On

- To switch the e-bike system On you may briefly press the On/Off button on the display.
- If your Valeo Cyclee™ System is in lock mode you may need to enter a pin code or unlock the e-bike via the Valeo Cyclee™ mobile app. Please refer to the lock mode section below.
- You can also turn the e-bike system On by pressing the On/Off button of the battery.

### Switching the system Off

- To switch Off the e-bike system press the On/Off button, the display and the whole system is switched off.
- A short press on the On/Off button will simply turn the system Off, when a long press will turn the system Off and put it in lock mode.

- If no energy is drawn from the e-bike system for some time and the e-bike is not moving the system will shut off on its own.

Always switch the system/battery Off before removing or installing the battery onto the e-bike.

## Lock mode

- The lock mode is the anti-theft function of your Valeo Cyclee™ system.

**Before using the lock mode for the first time you need to enable this function in your Valeo Cyclee™ mobile app.**

- When in lock mode the electrical assistance is automatically shut-off and the integrated gearbox switches in neutral position without any possibility to crank.
- When lock mode is activated the display screen is only showing the lock icon. To activate the bike you need to enter the pin code previously selected on the Valeo Cyclee™ Mobile app or unlock directly through the app.



- To read more about the lock mode please refer to the Valeo Cyclee™ mobile app user manual.

## ASSISTANCE LEVEL

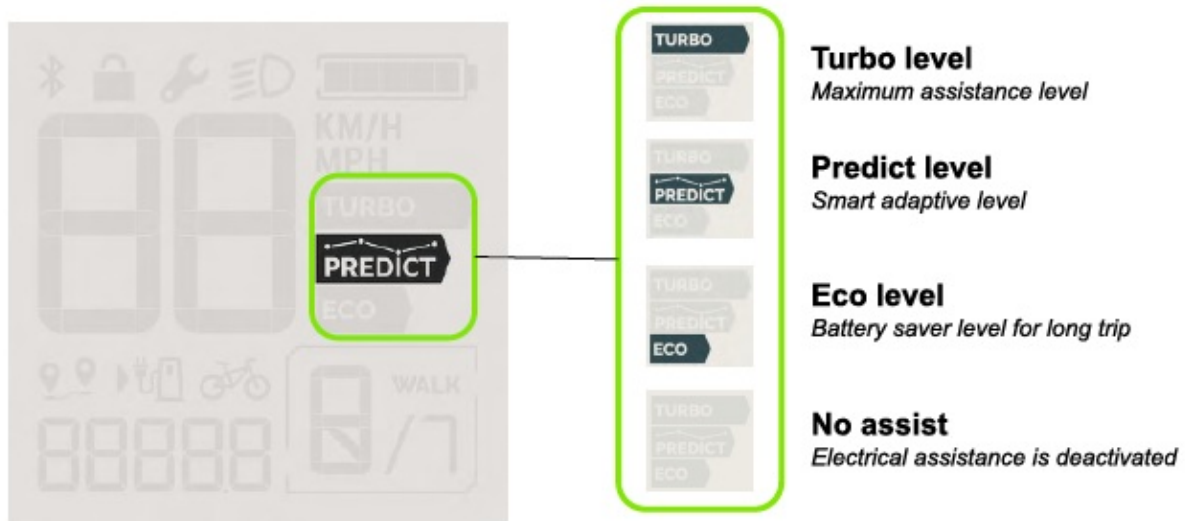
- The drive is activated as soon as you step on the pedals (except in assistance level “Off”). The motor output depends on the assistance level selected.
- As soon as you stop pedaling when in normal operation, or as soon as you have reached the speed limit of your e-bike, the assistance from the e-bike motor is switched off.
- The motor is automatically reactivated as soon as you start pedaling again and the speed is below the speed limit of your e-bike.

## Assistance modes

- You can select the level of assistance you need from the e-bike motor by selecting the correct assistance mode

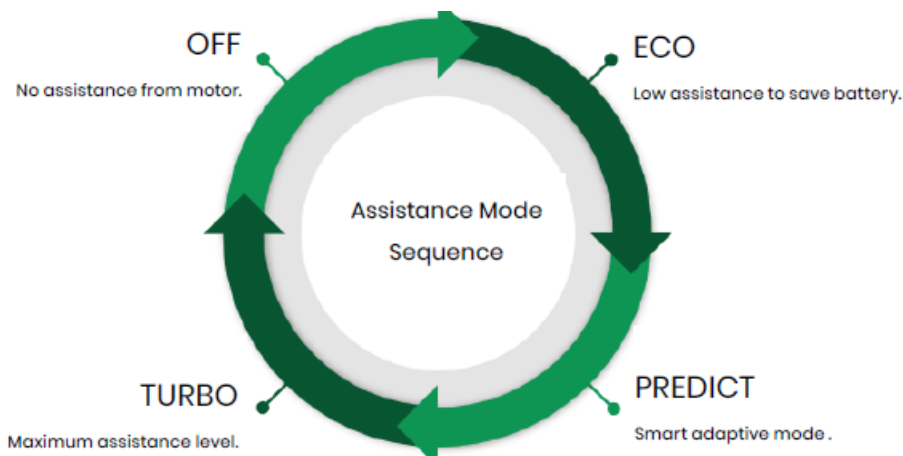
on the display.

- The assistance level can be changed at any time, even while riding.
- The following assistance levels are available on your Valeo e-bike system



- To select the desired assistance level press the assistance level button on the display.

**The assistance modes follow this sequence**



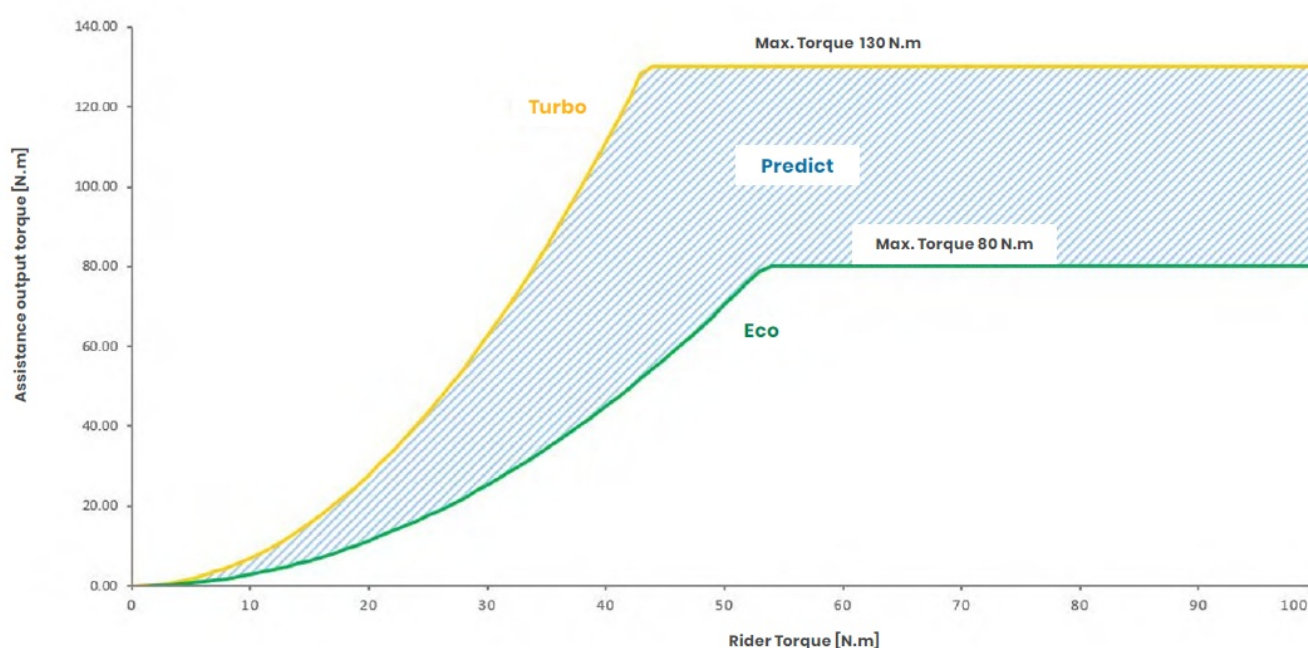
- **Note:** in assistance mode “Predict” the assistance is set by the system according to the rider cadence and power output. In this mode the gearbox is always set to automatic by the smart e-bike system. Manual shifting is not possible in Predict mode.
- The Predictive mode does not allow the switch from Automatic to Manual gearbox.
- To change the gear in manual mode, you must be on the Turbo or Eco mode and then press the Gearbox mode selection button located on the remote control and then to Upshift to Downshift



Assistance level	Description
Off	Assistance deactivated
Eco	Battery saver mode
Predict	Smart adaptive mode
Turbo	Maximum assistance mode

- The motor output depends on the force applied on the pedals by the rider and the assistance mode selected, up to 130 Nm in Turbo or Predict mode.

## VALEO CYCLEE™

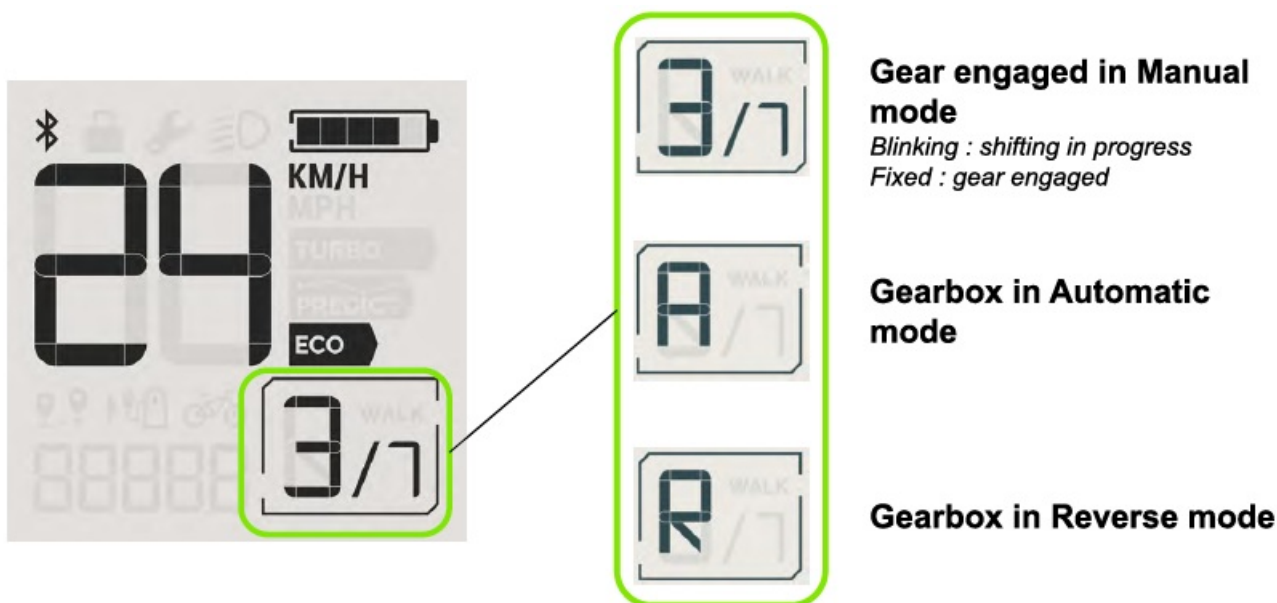


## GEAR SELECTION

### Gearbox modes

Your Valeo Cyclee™ e-bike system is equipped with a gearbox integrated in the mid drive unit. The gearbox can be operated manually by the rider or automatically by the Valeo Cyclee™ e-bike system.

- Note:** some e-bikes can be equipped with a reverse mode. Generally on cargo bikes this mode will help you to back up and maneuver with heavy payloads. The reverse mode is not present on other e-bikes.
- The mode selected is visible in the bottom right corner of your display screen.



- To change between gearbox modes press the gearbox mode button on your deported remote (1). A long press will put the system in reverse mode on equipped bikes.



### Gearbox in manual mode

- In manual mode the rider has control over the gear shifting. The gear selected is shown in the bottom right corner of the display screen as a number "N/7".
- To change the gear in manual mode press the "+" or "-" buttons on the deported remote.
- "+" to Upshift
- "-" to Downshift
- The gear-shifting should be used in the same way as with a normal bicycle. By selecting the correct gear, you can increase your speed and range while applying the same amount of force on the pedals.

**Note:** When the selected gear is flashing on the display, the system indicates that it is not possible to shift the

gear. Briefly stop pedaling to let the gear engage and resume pedaling. Please refer to your bike shop if this error occurs frequently.

### **Gearbox in automatic mode**

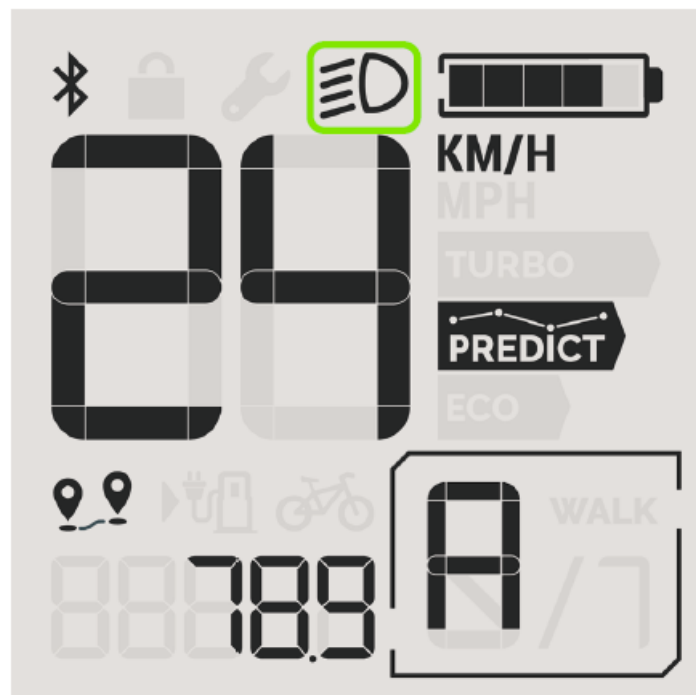
- In automatic mode, the e-bike smart system is selecting the best gear available for you according to your pedaling cadence and the terrain profile.
- In automatic mode "A" is showing in the bottom right corner of the display screen.
- The Predictive mode does not allow the switch from Automatic to Manual gearbox
- To change the gear in manual mode, you must be on the Turbo or Eco mode and then press the Gearbox mode selection button located on the remote control and then "+" to Upshift "-" to Downshift.

### **Gearbox in reverse mode**

- The reverse mode allows the rider to back up and maneuver the bike easily even with heavy payload. Once in reverse mode, the rider can activate it by pushing gently the throttle of the deported remote.
- The reverse mode isn't present on all systems and is usually reserved to cargo bikes.
- In reverse mode "R" is shown in the bottom right corner of the display screen.

### **SWITCH LIGHTS ON/OFF**

- On bikes equipped with lighting powered by the e-bike battery, the front and rear lights can be controlled from the display unit by pressing briefly the "lights" button.
- When the lights are on, the light icon is showing on the display screen.



- Pressing again the button will switch off the lights and the icon will disappear from the display screen.

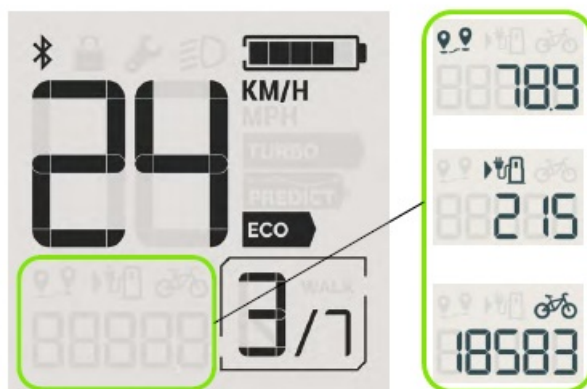
### **SPEED AND DISTANCE**

The display unit allows the rider to see essential information about the e-bike and the trip according to the unit

selected (km or miles). Main functions are:

<b>Speed</b>	e-bike current speed, measured from the motor and speed sensor on the rear wheel
<b>Trip distance</b>	Daily distance, the trip distance can be reseted by a long press on the light button and the assistance level button simultaneously.
<b>e-bike range</b>	Autonomy left with the current state of charge of the battery and depending on the selected assistance mode
<b>Total distance / ODO</b>	Total distance covered with the e-bike

- The unit KM/h or MPH can be adjusted by changing this setting in your Valeo Cyclee™ mobile app.






## BATTERY STATE OF CHARGE & CHARGING MODE

- Before charging your e-bike for the first time please read the battery and charger user guide.

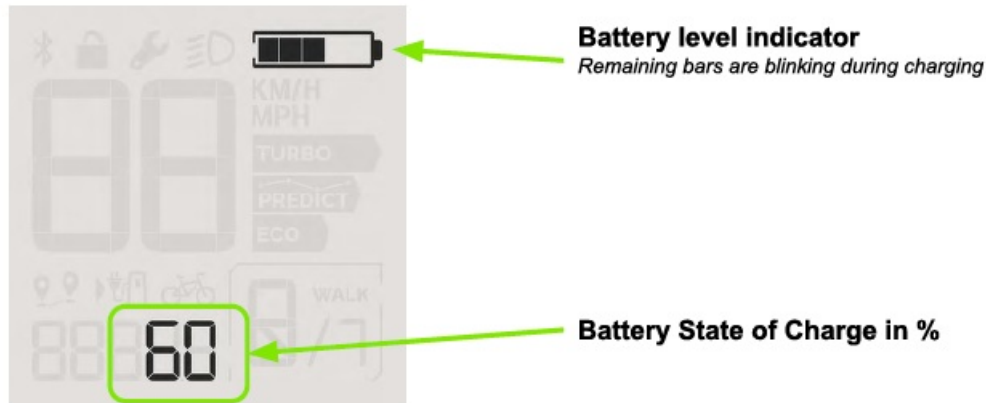
### State of charge

- The state of charge of the battery is directly visible on the display screen when it is switched On. The state of charge is indicated by the battery icon on the top right corner of the screen. The battery icon is composed of 5 blocks, each block representing 20% of the total battery capacity.

	The e-bike battery is fully charged (between 80-100%)
	The e-bike battery is charged between 0% and 20%
	The e-bike battery state of charge is close to 0%, the motor assistance has been progressively reduced to ensure the shifting ability and lighting.

## Charging mode

- When the e-bike battery is charged while on the bike, the display screen only indicates the battery icon showing an approximate state of charge and the exact value at the bottom of the screen.



## WALK ASSIST AND BOOST MODE

### Walk assist

- The walk assist mode is helping you to push the e-bike when walking on its side. The walk assist mode is moving the bike forward up to 6 km/h or 3.7 mph.

You can activate the walk assist by holding down the throttle of the deported remote. When releasing the throttle the walk assist stops automatically.

**Note:** In reverse mode, pushing the throttle will move the bike backwards.

**In walk assist or reverse mode the pedals may turn at the same time. Make sure there is enough space between yourself and the e-bike.**

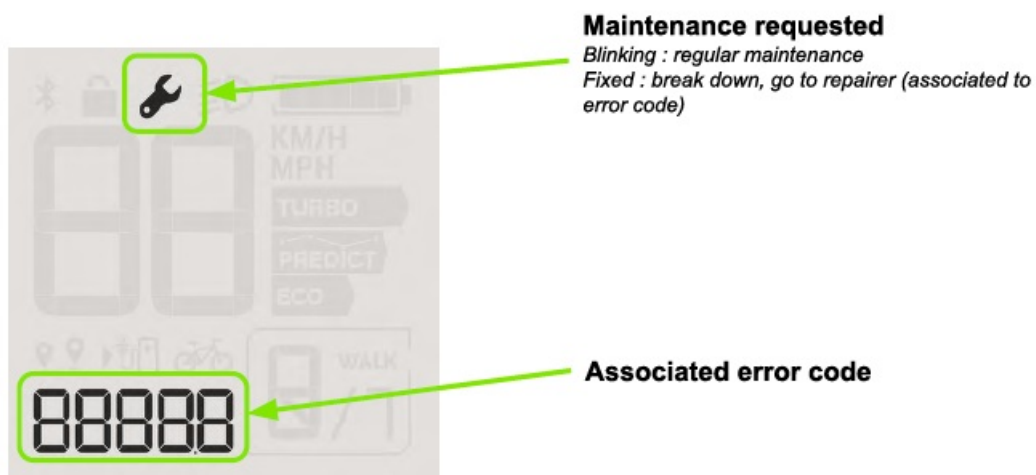
### Boost mode

- When riding on the bike, you can use the boost mode to accelerate or climb a slope for a brief period of time.
- To activate the boost mode, hold down the throttle when riding. The throttle acts as an On/Off switch and as soon as you release the throttle the boost mode will stop.

## MAINTENANCE

### Maintenance mode

- When maintenance is needed on your Valeo e-bike system the display screen shows the wrench icon. The associated maintenance code is displayed at the bottom of the screen.
- The wrench may be blinking in case of a minor issue or if maintenance is required.
- When a critical error occurs the wrench icon will be fixed and associated with an error code. When this happens, stop riding your e-bike immediately and visit your authorized Valeo Cyclee™ dealer.



- These error codes can also be displayed on the Valeo Cyclee™ Mobile app when your e-bike is connected by bluetooth.

Simplified error code	Component	Error name	Description Potential root cause	System operating restriction / limitation	Action/Solution to solve the issue Troubleshooting Corrective action
E0500		Motor error	Motor is facing an issue	No assistance anymore	Restart the system. If the issue is still present, go to your repairer
E0501		Gearbox error	Gearbox shifter is facing an issue	Gearbox shifting is not available or limited functionality	Restart the system. If the issue is still present, go to your repairer
E0502		Internal electrical error	Internal voltage error or internal sensor error	No assistance anymore gearbox shifting functionality can be impacted	Restart the system. If the issue is still present, go to your repairer
E0503		Electrical power error	Input voltage error : <ul style="list-style-type: none"> <li>• battery under / over voltage</li> <li>• harness bad connection</li> </ul>	Limited assistance or No assistance anymore	Turn off the system, remove and reinstall the battery pack.  If the issue is still present, go to your repairer

E0504	MOTOR	External electrical error	Issue detected on output port Example: short circuit on lamps, Overvoltage / undervoltage	Output port disabled	<ul style="list-style-type: none"> <li>• Check lamps (or external devices) connections.</li> <li>• Disconnect lamps to see if the issue disappears. If yes, lamp is KO</li> <li>• If the issue still present, go to your repairer</li> </ul>
E0505		Speed sensor error	Issue detected on speed sensor	No assistance, and automatic shifting disabled	<ul style="list-style-type: none"> <li>• Check your speed sensor position and look for damages on the cable.</li> <li>• If the issue is still present, go to your repairer</li> </ul>
E0506		Internal communication error	Internal motor error	No assistance anymore	Restart the system. If the issue is still present, go to your repairer.
E0507		External communication error	Communication error with battery or display	<ul style="list-style-type: none"> <li>• Display communication error : system will turn off</li> <li>• Battery communication error : no assistance anymore</li> </ul>	<ul style="list-style-type: none"> <li>• Check display connectors. Remove and reinstall the battery.</li> <li>• If the issue is still present, go to your repairer.</li> </ul>
E0508		Over temperature error	Temperature of the motor is too high	No assistance anymore, gearbox shifting can also be impacted	<ul style="list-style-type: none"> <li>• Turn off the system and let the motor cool down.</li> <li>• If the issue is still present, go to your repairer.</li> </ul>

Simplified error code	Component	Error name	Description Potential root cause	System operating restriction / limitation	Action/Solution to solve the issue Troubleshooting Corrective action
E0509	MOTOR	Under temperature error	Temperature of the motor is too cold	No assistance anymore, gearbox shifting can also be impacted	<ul style="list-style-type: none"> <li>Go back to nominal temperature (ambient temperature).</li> <li>If the issue is still present, go to your repairer.</li> </ul>
E0510		Internal system error	System is facing an internal error	No assistance anymore	Restart the system. If the issue is still present, go to your repairer.
E0511		Torque sensor error	Issue detected on Torque Sensor	No assistance anymore	Restart the system. If the issue is still present, go to your repairer.
E0201		Charging error	Issues with external battery charger or plug connections	Battery will no longer charge	<ul style="list-style-type: none"> <li>Check connections between bike battery &amp; charger disconnect/ reconnect the charger on the battery.</li> <li>Check electrical supply to the wall plug. Check connections between charger &amp; wall plug disconnect/ reconnect the charger on the wall plug.</li> <li>Check external battery charger itself</li> <li>If the issue is still present, go to your repairer.</li> </ul>
E0202		Communication error	Communication error with motor or external device	System will cut off (urgent or nominal cut off)	Remove and reinstall battery, restart system. If the issue is still present, go to your repairer.



E0203	BATTERY	Electrical error	<ul style="list-style-type: none"> <li>Battery voltage or current error:</li> <li>Battery cells under / over voltage or unbalanced</li> <li>Battery overcurrent</li> </ul>	System will cut off (urgently or after 1.5s)	<ul style="list-style-type: none"> <li>Check the battery for external damages. Restart the system. Try a battery charging cycle at ambient temperature.</li> <li>If the issue is still present, go to your repairer.</li> </ul>
E0204		Internal error	Internal error	System will cut off	Restart the system. If the issue is still present, go to your repairer.
E0205		Temperature error	Temperature of the battery is too high or too cold	System will cut off	<ul style="list-style-type: none"> <li>Go back to battery nominal temperature (battery should rest at ambient temperature). Restart the system.</li> <li>If the issue is still present, go to your repairer.</li> </ul>

Simplified error code	Component	Error name	Description Potential root cause	System operating restriction / limitation	Action/Solution to solve the issue Troubleshooting Corrective action
E0301		Button blocked	Issue on display or remote button switches	Only gearbox automatic shifting is enabled. Throttle is disabled.	<ul style="list-style-type: none"> <li>Check that buttons aren't damaged or blocked.</li> <li>If the issue is still present, go to your repairer.</li> </ul>

E0302		Communication error	Communication error with motor	System will cut off (nominal cut off)	<ul style="list-style-type: none"> <li>• Check connectors between motor &amp; display.</li> <li>• Restart the system. If the issue is still present, go to your repairer.</li> </ul>
E0303		Remote electrical error	Electrical issues on remote	Manual gearbox shifting & Boost mode & Walk Assist disable	Check connections between display & remote box. Restart the system. If the issue is still present, go to your repairer.
E0304	DISPLAY	Internal error	Internal electrical issue on display	Display screen not functional	Restart the system. If the issue is still present, go to your repairer.
E0305		Temperature error	Temperature of display is too high or too cold or issue on temperature measurement	USB port disable	<ul style="list-style-type: none"> <li>• Go back to display nominal temperature. (ambient temperature).</li> <li>• If the issue is still present, go to your repairer.</li> </ul>
E0306		USB error	Over current intensity on the USB port	USB port disable	<ul style="list-style-type: none"> <li>• Check USB port (Cleanliness...). Check USB external device &amp; cable isn't damaged.</li> <li>• Try to disconnect/ reconnect the USB external device.</li> <li>• If the issue is still present, go to your repairer.</li> </ul>

## Cleaning

- To clean your Valeo e-bike display and remote use a soft cloth dampened with water. Do not immerse any component in water or clean with pressurized water.

## Check up

- Have your Valeo equipped e-bike checked by an authorized Valeo dealer at least once a year. Your Valeo dealer will inspect mechanical parts but also verify that the system software is up to date. Have all repairs and specific maintenance done by an authorized Valeo e-bike dealer.

## After sales service

- If you have any questions about the Valeo e-bike system, contact your authorized Valeo e-bike system dealer or visit our website at: [valeocyclee.com](http://valeocyclee.com)

## Disposal of your Display and remote control

- In accordance with Directive 2012/19/EU, electronic devices that are no longer usable and defective/drained batteries must be collected separately and disposed of in an environmentally friendly manner.
- Please return parts that are no longer usable to an authorized bicycle dealer.

## EU DECLARATION OF CONFORMITY

- Hereby, we VALEO Service, declare under our sole responsibility that the stated products are compliant with the essential requirements and other relevant provisions of the following directives 2014/53/EU and 2011/65/EU.
- The full text of the EU declaration of conformity is available at the following internet address: [valeocyclee.com](http://valeocyclee.com)

## UKCA DECLARATION OF CONFORMITY

- Hereby, we VALEO Service, declare under our sole responsibility that the stated products are compliant with the essential requirements and other relevant provisions of the UK Statutory Instruments (S.I) including their latest amendments: S.I. 2017 No 1206, S.I. 2012 No 3032.
  - The full text of the UKCA declaration of conformity is available at the following internet address: [valeocyclee.com](http://valeocyclee.com) (direct link)
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## Documents / Resources



[Valeo 2BCXA-VIEWPLUS Cyclee System](#) [pdf] Instruction Manual  
2BCXA-VIEWPLUS, 2BCXAVIEWPLUS, 2BCXA-VIEWPLUS Cyclee System, Cyclee System, System

## References

-  [Join the e-bike revolution | Valeo Cyclee™](#)
-  [Aftermarket Automotive Parts and Services | Valeo Service](#)
-  [Join the e-bike revolution | Valeo Cyclee™](#)
-  [Join the e-bike revolution | Valeo Cyclee™](#)
- [User Manual](#)

Manuals+.