

E-BIKE APP INSTRUCTIONS

E-P3+

polini motori®
trasforma il meglio in massimo

09/2026

E-Bike Polini App

Download the E-Bike Polini App:

Download on the App Store

GET IT ON Google play

INDICE

1. CONNECTION
2. DISPLAY
   - ELECTRONIC PADLOCK
3. POD BLE
   - PAIRING
4. HEART RATE SENSOR
5. ROUTES
6. MAPS SETUP
   - ROUTES
7. STATISTICS
8. DIAGNOSTICS
9. SETTINGS
10. E-BIKE

1. CONNECTION

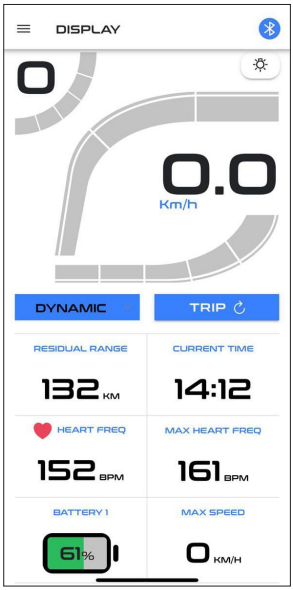
Verify that the Bluetooth of your bike is ON: Select on the display Menu-> System->Bluetooth (when the Bluetooth is ON the MAC Address will be displayed on the page)



Open the E-Bike Polini App on your smartphone and, when the tutorial is over, enter the Connection page and press Scan. The e-bike will be displayed through the Mac Identity code. If more than one bikes are present check the correspondence of the Mac Address with the one shown on the Display of the EBike and the one shown on the app.
Select the e-bike identity code to connect the smartphone to the e-bike.

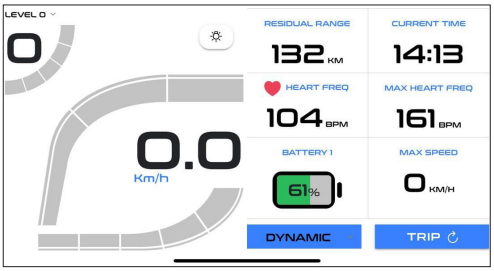


When the connection is ON, automatically the Display page will appear.



2. DISPLAY

HORIZONTAL VIEW



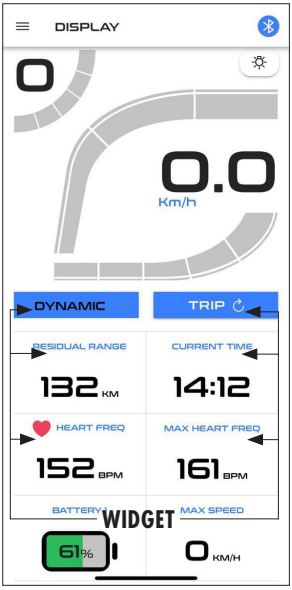
APP DESCRIPTION

The App consists of the following pages:

- CONNECT
- RIDE CONTROL
- POD BLE
- HEARTBEAT SENSOR
- ROUTES
- MAPS SETUP
- STATISTICS
- DIAGNOSTICS
- SETTINGS
- E-BIKE DATA

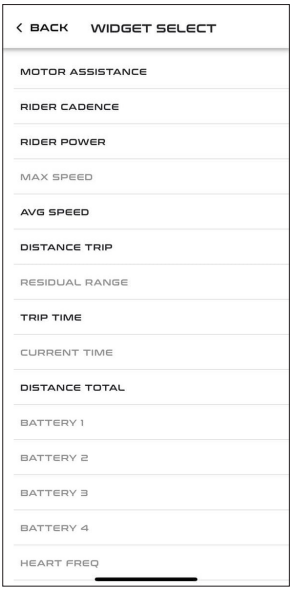
DETAILS OF THE DISPLAY MENU:

- Speed
- Motor Power
- Cycling power
- Level of assistance
- Used motor map
- Lights condition
- Battery level
- Trip
- Odometer
- Real-time statistics



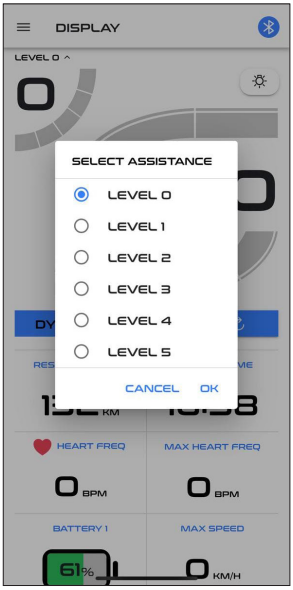
SCREEN CUSTOMIZATION

Click on one of the 4 Widget to enter the Widget select page and chose the data you want to be displayed.

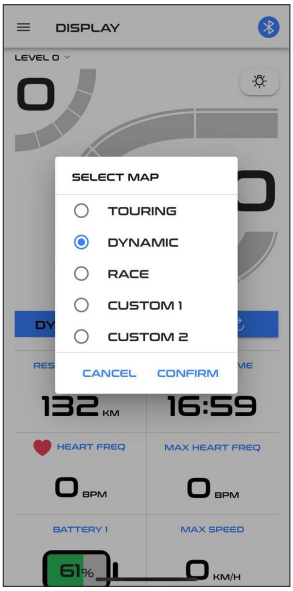


From the DISPLAY section, with speed less than 5 km/h it is possible to set the assistance level, maps, reset the km/trip, switch the lights ON / OFF using the proper key.

CHANGE LEVELS



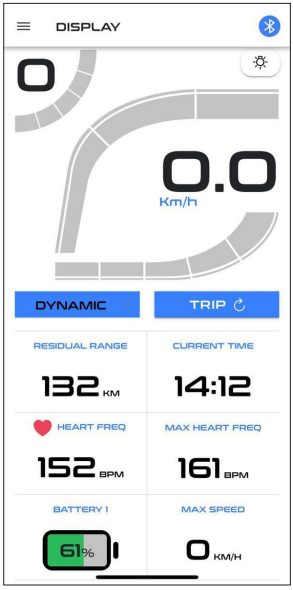
CHANGE MAPS



RESET TRIP



SWITCH ON LIGHTS



ELECTRONIC LOCK

AVAILABLE ONLY FOR EVO2 MOTORS AND LATER

The Lock feature protects your e-bike from unauthorized use.

System Requirements

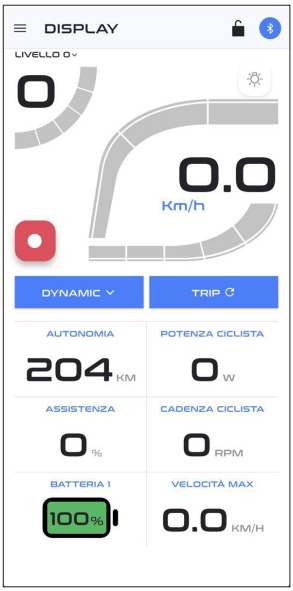
This feature is only compatible with EVO2 motors equipped with the following firmware versions (or later):

- MOTOR: firmware MTI 1.00.35 or later
- TFT DISPLAY: firmware 5.00.21 or later
- INTEGRATED DISPLAY: firmware 6.00.07 or later

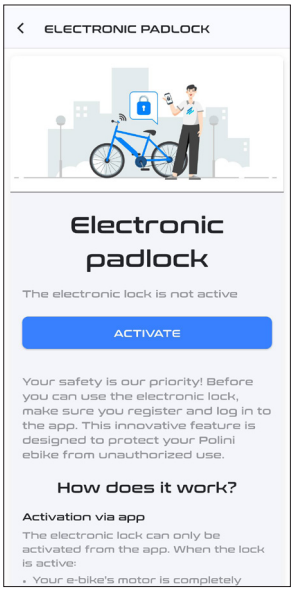
NOTE: Make sure you have downloaded the official app, created an account and logged in with your credentials.

HOW TO ENABLE THE BIKE LOCK USING THE APP

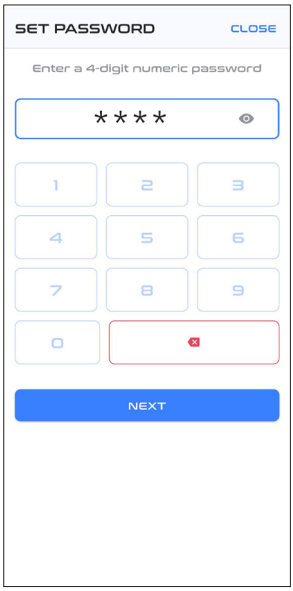
1. Connect the app to the e-bike motor via Bluetooth
2. On the DISPLAY, tap the black padlock icon located in the upper-right corner.

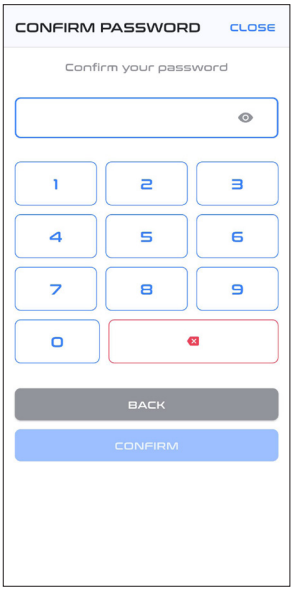


3. On the Electronic Lock screen, tap ENABLE.

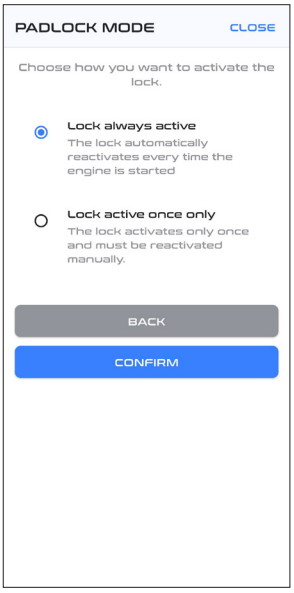


4. Set your PIN by entering a 4-digit numeric code, then enter it again to confirm.

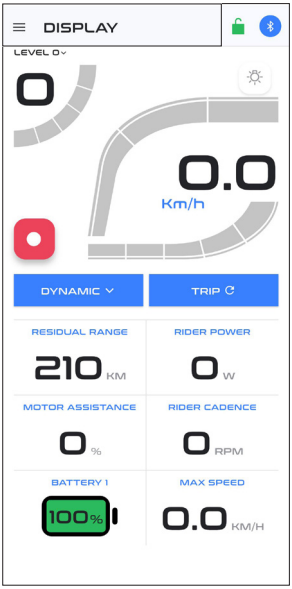




5. Choose the operating mode that best suits your needse:
   - Always-On Lock: The lock automatically reactivates every time the e-bike is turned off and then back on.
   - One-Time Lock: The lock will activate only the next time the bike is switched on. After it is unlocked, it will remain unlocked until it is manually enabled again through the app



6. Confirm your selection. Once the setup is complete, the app's DISPLAY page will show an open green padlock icon, indicating that the Electronic Lock feature is enabled and the bike is currently unlocked.



HOW TO UNLOCK THE BIKE

When the lock is enabled and the e-bike is switched on, the motor will remain disabled until the bike is unlocked.



The e-bike can be unlocked in two ways:

Option A: Automatic Unlock via the App.

This is the quickest method. Simply open the app and connect it to the e-bike. The motor will unlock automatically, with no need to enter your PIN.

Option B: Manual Unlock Using the Bike Display.

If you do not have your phone with you, you can enter your 4-digit

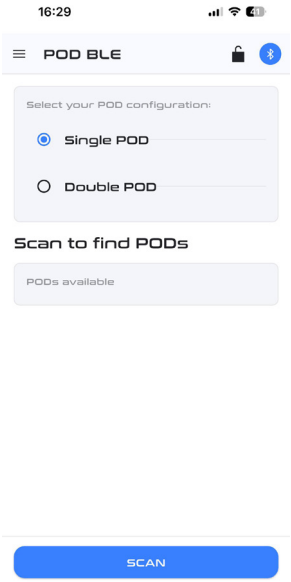
PIN directly on the bike display using the handlebar controls.

ENTERING THE PIN:

- [+] Button: Increases the current digit (0–9).Pressing [+] while the digit is 9 cycles back to 0.
- [-] Button: Decreases the current digit (9–0).Pressing [-] while the digit is 0 cycles back to 9.

CONFIRMING AND NAVIGATING:

1. Move to the next digit (Short Press):
   - 3-button remote control: briefly press the center confirmation button.
   - 2-button remote control: briefly press the [+] and [-] buttons simultaneously.
2. Restart PIN entry (Long Press) in case of error: If you enter an incorrect digit, you can clear the current entry and restart from the first digit by pressing and holding the confirmation button or the [+] and [-] buttons simultaneously (2-button remote copntrol).

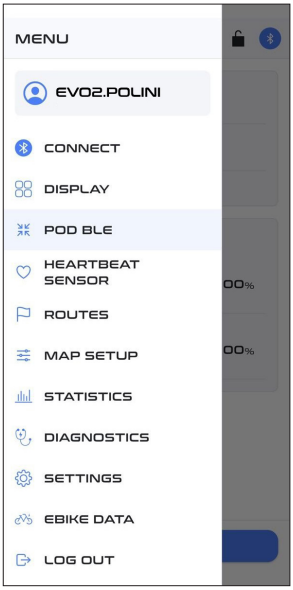


3. POD BLE

BLUETOOTH REMOTE PAIRING VIA THE APP

AVAILABLE ONLY FOR EVO2 MOTORS AND LATER

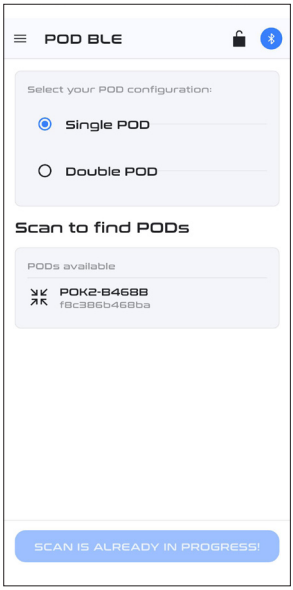
To pair Bluetooth remote control, connect the app to the motor and select “BLE Pod” from the menu.



Select Single Pod for MTB remotes or Dual Pod for Gravel or Road remotes.

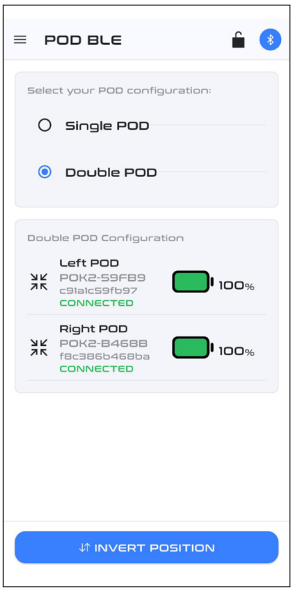
MTB REMOTE PAIRING

Tap Scan button in the app, Press and hold the [+] and [-] buttons simultaneously until the blue LED on the remote starts flashing. After a few seconds, the Bluetooth name of the remote control will appear in the app, Tap the device name to complete the pairing.



GRAVEL AND ROAD REMOTE PAIRING

Start with the remote installed on the left side of the handlebar. Tap Scan in the app, press and hold the remote button until the LED starts flashing. After a few seconds, the Bluetooth name of the remote will appear in the app, Tap the device name to pair it. Repeat the same procedure for the remote installed on the right side of the handlebar.
On the app page, you can use the "Swap Position button" to reverse the functions of the [+] and [-] buttons.



Once the Bluetooth remotes have been paired, the app is no longer required for normal use.
Each time the e-bike is switched off and back on, simply press the buttons on the Bluetooth remote control. After a couple of seconds, they will automatically reconnect to the motor and be ready for use.
The app can also be used to monitor the battery level of the Bluetooth remote control. Before the batteries are completely discharged, a message will appear on the e-bike display reminding you to replace them.

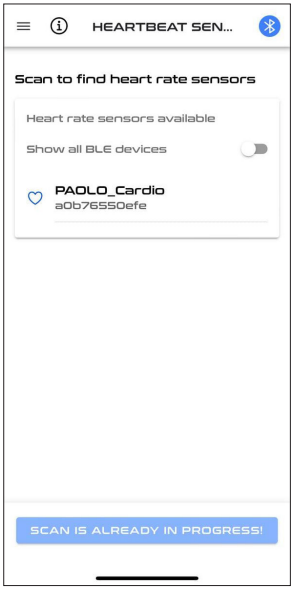
4. CARDIO SENSOR

By entering the "Cardio Sensor" area you can associate the cardio sensor compatible with the Bluetooth technology (BLE).
Once it has been connected it is possible:

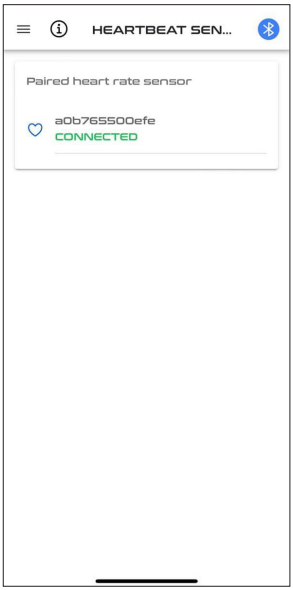
- Show "immediate" and "medio" of the cardio function (both in the display and app.
- Set an alert when the maximum threshold has been exceeded. (SEE menu SETTINGS in the app)



To connect the Cardio sensor be sure that the device is active and then press the button SCAN; once it has been displayed in the list of the Cardio sensors available, select it to connect it.

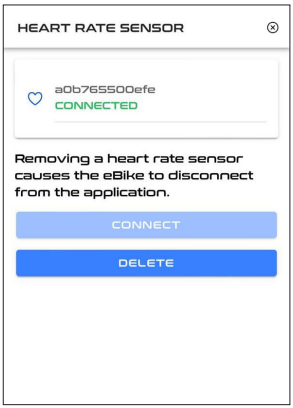


If when pressing SCAN the list is empty it is possible to active the function "show all the BLE devices" to show all the BLE sensors.



The connection of the cardio sensor is requested the first time only, later it will connect to the E-P3+ system automatically.

To disconnect the Cardio sensor, select the connected sensor and press "Delete".



The disconnection procedure implies the app disconnection. If necessary reconnect the app as explained in the "FIRST CONNECTION" area.

5. ROUTES

The **Route Recording Function** of the Polini E-Bike App allows you to record your rides using your smartphone's gps location and data collected directly from the e-bike system.
During recording, the main riding parameters are acquired, including:

- pedaling cadence;
- power output by the rider;
- heart rate, if a bluetooth heart rate monitor is paired with the motor;
- precise riding speed, detected by the e-bike;
- route altimeter;
- complete trip statistics.

Additionally, you can monitor specific motor parameters:

- motor assistance percentage;
- assistance level used;
- battery trend and consumption.

At the end of the ride, you can view the recorded data directly from the Polini E-Bike App and share the route with Strava or export it in gpx and fit formats, compatible with other activity management and analysis platforms.

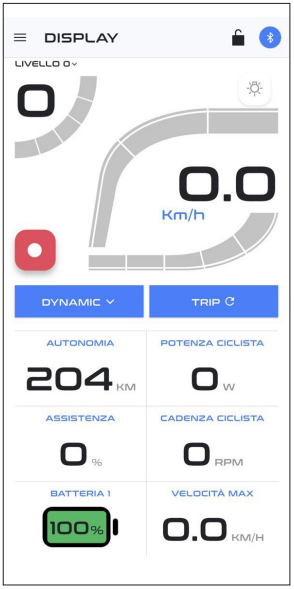
COMPATIBILITY AND REQUIREMENTS

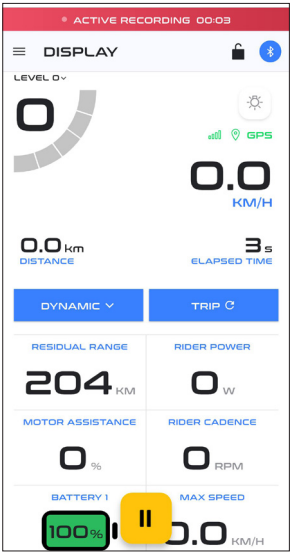
The function is available on Polini E-P3+, E-P3+ Evo, and E-P3+ Evo2 systems.
For proper operation:

- Verify that the motor, display, and bluetooth module are updated to the latest available firmware version;
- Register and log in to the Polini e-bike app;
- Allow the app access to your smartphone's GPS location. Location authorization is necessary to correctly record the route.

STARTING THE RECORDING

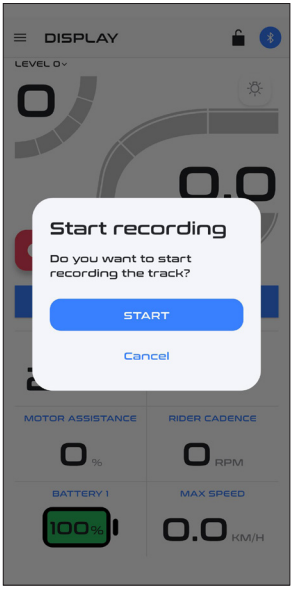
1. Connect the Polini E-bike App to the e-bike.
2. Access the Display screen. When the connection is active, the recording icon is displayed in red.
3. Before starting the route, tap the recording icon and confirm the start.
4. During the ride, the app automatically records the GPS position and data from the e-bike system and any paired Bluetooth devices.





AUTOMATIC PAUSE

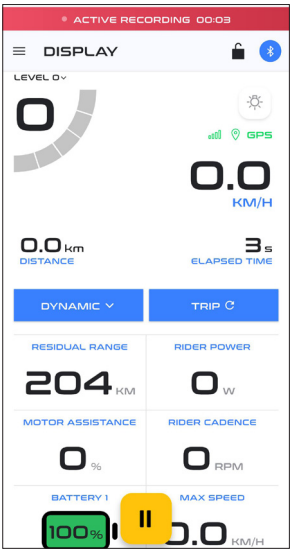
During a stop, the recording is automatically paused, preventing periods of inactivity from affecting the ride's statistical data.
When pedaling resumes, recording restarts automatically.

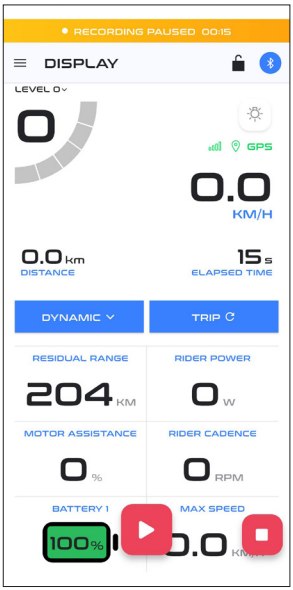


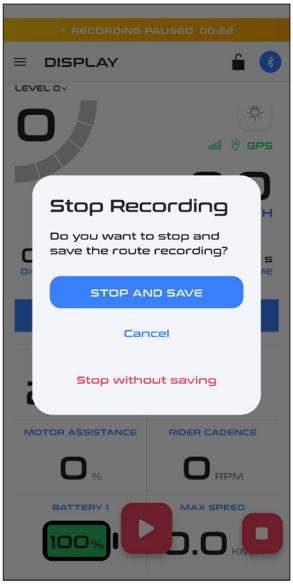
ENDING AND SAVING THE ROUTE

At the end of the ride:

1. tap the pause icon;
2. select the stop symbol;
3. confirm by selecting "stop and save".



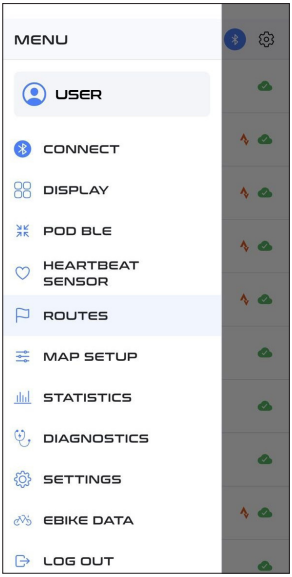


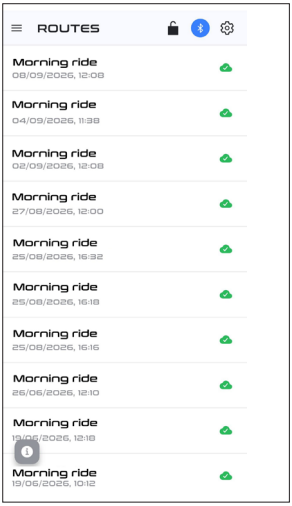


The route is then stored in the app and made available in the routes section.

VIEWING ROUTES

To view recorded activities, select routes from the app's main menu. Routes are saved on the smartphone and synchronized with the cloud when available. By logging in with the same account, you can also access synchronized routes from other devices.

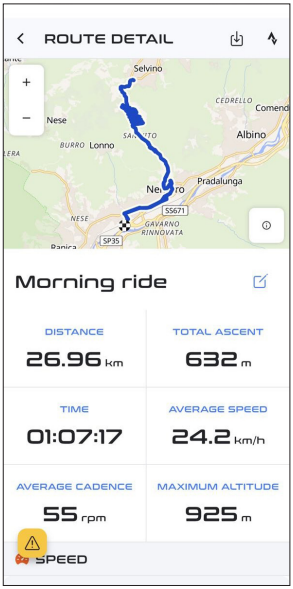


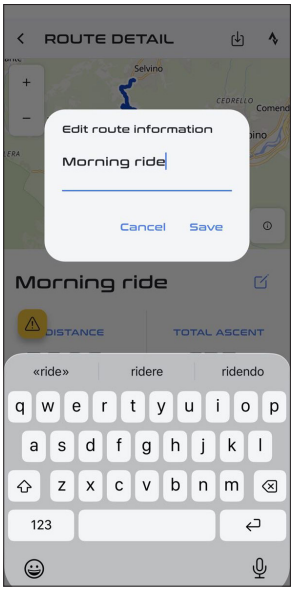


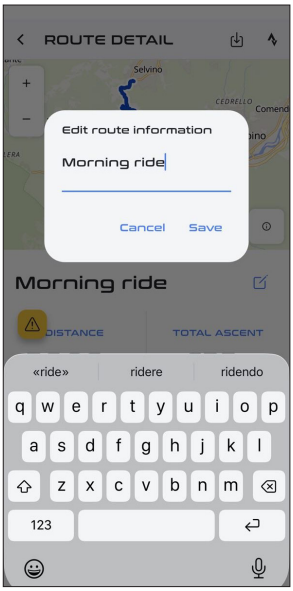
By selecting an individual route, you can view:

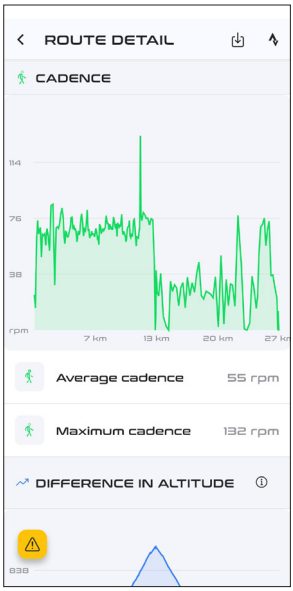
- complete ride statistics;
- speed charts;
- cadence charts;
- elevation gain;
- assistance level;
- battery usage.

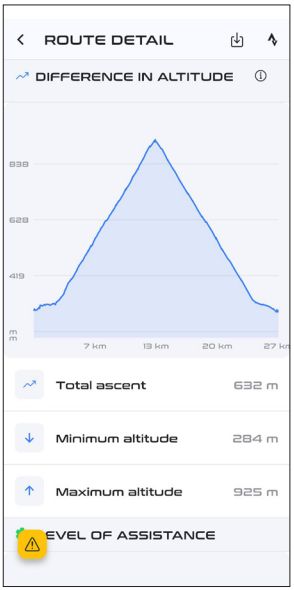
You can also change the name of the route that has been automatically assigned and replace it with a custom title.

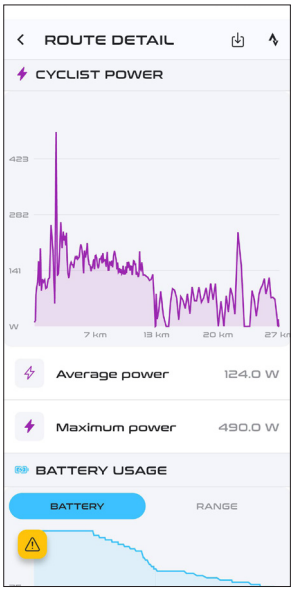

ROUTE DETAIL
Selvino
Nese
Albino
Lonno
Pradalunga
Morning ride
DISTANCE
26.96 km
TOTAL ASCENT
632 m
TIME
01:07:17
AVERAGE SPEED
24.2 km/h
AVERAGE CADENCE
55 rpm
MAXIMUM ALTITUDE
925 m
SPEED

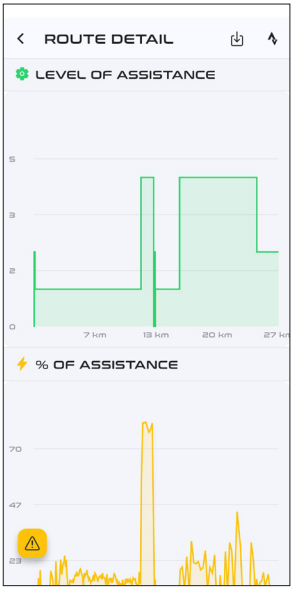

ROUTE DETAIL
Edit route information
Morning ride
Cancel
Save
Morning ride
TOTAL ASCENT

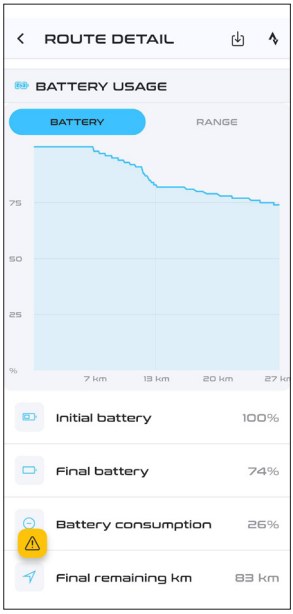

ROUTE DETAIL
Edit route information
Morning ride
Cancel
Save
Morning ride

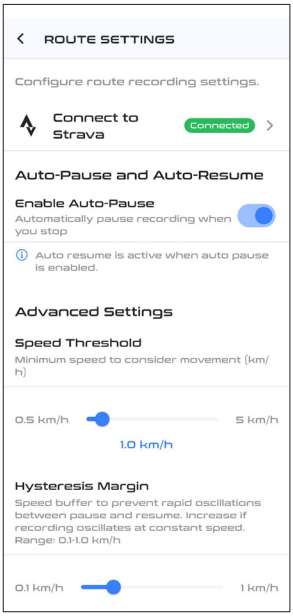

ROUTE DETAIL
CADENCE
Average cadence
55 rpm
Maximum cadence
132 rpm
DIFFERENCE IN ALTITUDE


ROUTE DETAIL
DIFFERENCE IN ALTITUDE
838
628
419
m
7 km
13 km
20 km
27 km
Total ascent
632 m
Minimum altitude
284 m
Maximum altitude
925 m
EVEL OF ASSISTANCE


ROUTE DETAIL
CYCLIST POWER
423
282
141
W
7 km
13 km
20 km
27 km
Average power
124.0 W
Maximum power
490.0 W
BATTERY USAGE
BATTERY
RANGE


ROUTE DETAIL
LEVEL OF ASSISTANCE
5
3
2
0
7 km
13 km
20 km
27 km
% OF ASSISTANCE
70
47
23

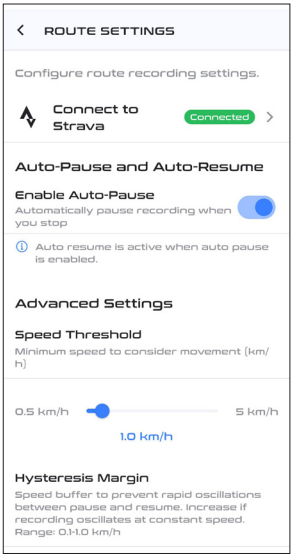

ROUTE DETAIL
BATTERY USAGE
BATTERY
RANGE
75
50
25
%
7 km
13 km
20 km
27 km
Initial battery
100%
Final battery
74%
Battery consumption
26%
Final remaining km
83 km

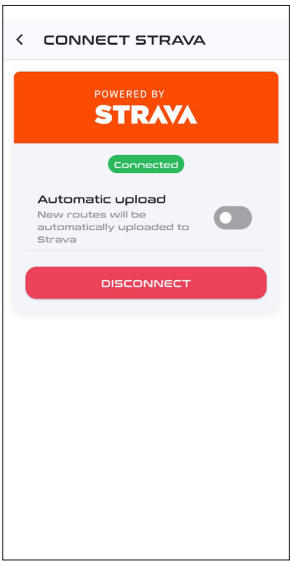


DATA SHARING WITH STRAVA

The Polini e-bike app allows you to connect your Strava account and choose whether to upload activities manually or automatically.
To connect Strava:

1. Access the **routes** section;
2. Tap the settings icon in the top right corner;
3. Select the option dedicated to **Strava**;
4. Connect your account;
5. Choose the desired upload mode: manual or automatic.

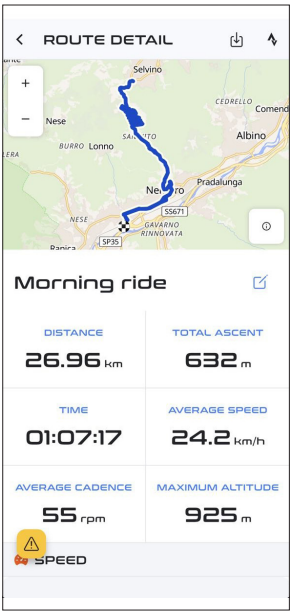


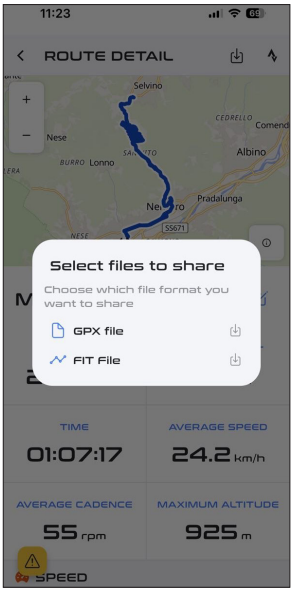


GPX AND FIT EXPORT

Routes can also be exported without using Strava.
To export an activity:

1. Open the desired **Route**;
2. Tap the **Share** icon in the top right corner;
3. Select **GPX** file or fit file;
4. Choose the application or recipient to share the file with.

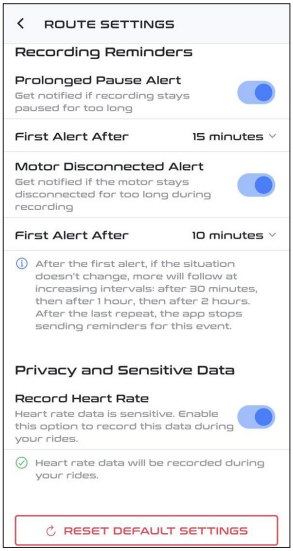




ROUTE RECORDING SETTINGS

From the routes feature settings page, you can configure additional parameters:

- Pause or prolonged disconnection alerts: allows you to receive a notification in case of inactivity or loss of signal with the motor.
- Heart rate recording: enables the recording of data from the paired heart rate monitor.
- Speed threshold and hysteresis: allows you to adjust the parameters used for managing pauses and resumption.



6. MAPS SET UP DETAILS

From the "Map Setup" section it is possible to see in detail the characteristics of the **3 default mappings: Touring, Dynamic and Race**. The user can create two fully customized maps: Custom1 and Custom2.
These can be **set with 5 different levels of "assistance" and as many 5 levels of motor torque "limit".**

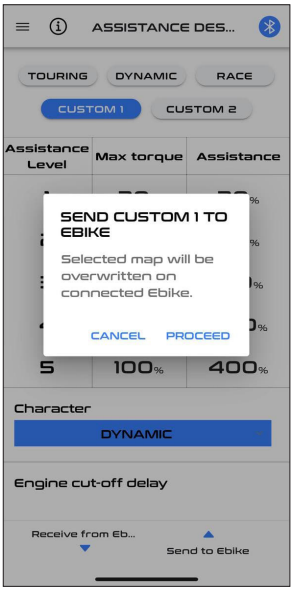
- The assistance is the proportion of the motor torque delivered respect to the pedaling input of the cyclist's torque. For example: 100% assistance means that the motor delivers as much torque as the cyclist, so the rear wheel will have the double of the torque produced by the cyclist; 300% assistance will bring 4 times the torque produced by the cyclist.
- The limit is the maximum torque that the motor can deliver: a limit of 50% will limit the motor to half of its maximum potential.
- Further customization is that relating to the motor cut-off time. This changes the speed at which the motor stops assisting in the moment the cyclist stops pedaling. So a value at 0% means that the motor disconnection occurs immediately when the cyclist stops pedaling (ideal customization on a racing bike or in general downhill), while with a value of 100% you will have a slight thrust even without pedaling (useful on MTB bikes to overcome uphill obstacles more easily).

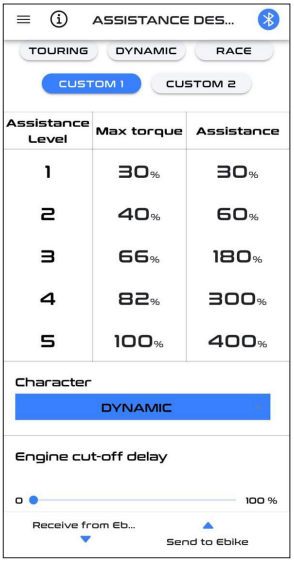
To make these customizations it is possible to proceed in two ways:

- dragging the relative control points directly from the graph (the horizontal movements modify the assistance, while the vertical ones modify the limit);
- by touching the "assistance" and "limit" values and setting the desired value from the relative bar.

Customization changes must be confirmed using the SYNC key, which will initiate the transmission of the data to the motor. Then confirm clicking on **Send Custom1 to ebike** (shown by the arrow).

The reload CUSTOM1 from Ebike button reloads the custom map set on the bike onto the app.

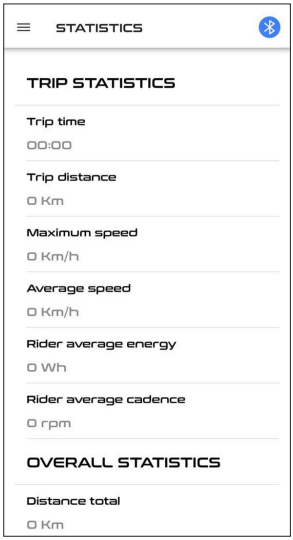




7. STATISTICS

In the STATISTICS section the trip statistics data are displayed (these data may be reset using the RESET TRIP key in the DISPLAY page) and the total distance travelled (odometer):

- Travel time
- Distance travelled
- Max speed
- Average speed
- Cyclists average power
- Cyclist average cadence
- Average cyclist heart rate
- Total distance travelled



8. DIAGNOSTICS

In the DIAGNOSTIC area there is a list of the last alerts that have been registered by the e-bike that may be reset though the dedicated key (trash-can icon down right).

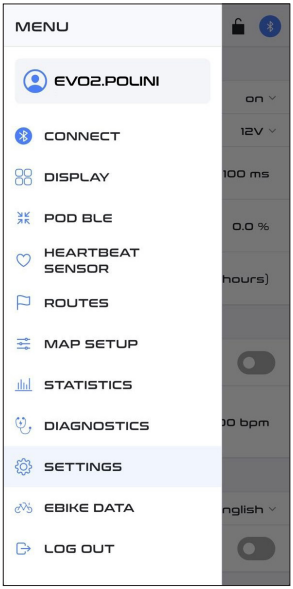


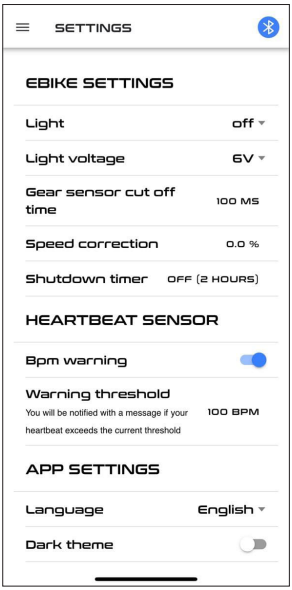
9. SETTING

CONNECTION (press the Bluetooth icon top right in any page)

It is possible to change some customization settings:

- Lights:
  - NO (for bikes without light);
  - YES (to activate through the lights button);
  - Always (lights are always ON when switching on the e-bike).
- Lights exit at 6Volt/12Volt: the motor can power lights with 6V or 12 V tension. Select the voltage of the light installed.
- Shift time: if the E-bike has a shift sensor it is possible to customize the shift time.
- Modification of the displayed speed: (-4%, +4% max)
- Shutdown time of the bike if not used: the bike switches automatically off after 2hours of disuse. It is possible to manually set a value from 1 to 60 minutes.
- Beat alert: to activate/deactivate the alert one the threshold has been exceeded)
- Beat Alert threshold: bpm value of the heart beat beyond which, if activated, the alert on the display is generated
- Language
- Light theme / dark theme
- Automatically display of the DISPLAY page once the connection with the ebike is ON.





10. INFO E-BIKE

CONNECTION (press the Bluetooth icon top right in any page)

BIKE DETAILS:

- Firmware version
- Display firmware version
- Bluetooth version
- Motor serial number
- Batteries serial number
- Battery charging status (SOC)
- Number of battery recharges

