



E-BIKE POLINI APP MANUAL WITH CARDIO

FOR E-P3+ AND E-P3+ MX MOTORS (AND EVO MODEL) ONLY WITH FIRMWARE UPDATE FROM 4.80

E-P3+

 **polini** [®] **motori**
trasforma il meglio in massimo

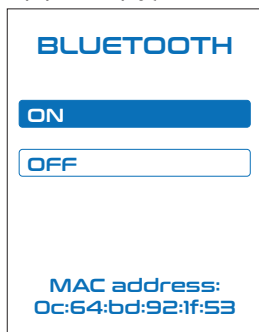
E-BIKE POLINI APP MANUAL WITH CARDIO FOR E-P3+ AND E-P3+ MX MOTORS (AND EVO MODEL) ONLY WITH FIRMWARE UPDATE FROM 4.80

Download the E-Bike Polini App.



FIRST CONNECTION

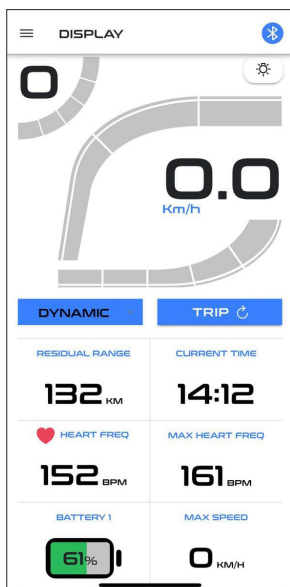
Verify that the Bluetooth of your bike is ON: Select on the display Menu-> System->Bluetooth (when the Bluetooth is ON the MAC Address will be displayed on the page)

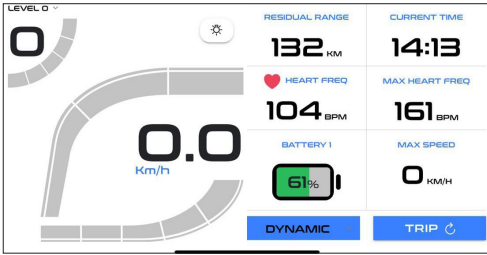


Open the E-Bike Polini App on your smartphone and, when the tutorial is over, enter the Connection page and press Scan. The e-bike will be displayed through the Mac Identity code. If more than one bikes are present check the correspondence of the Mac Address with the one shown on the Display of the EBike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





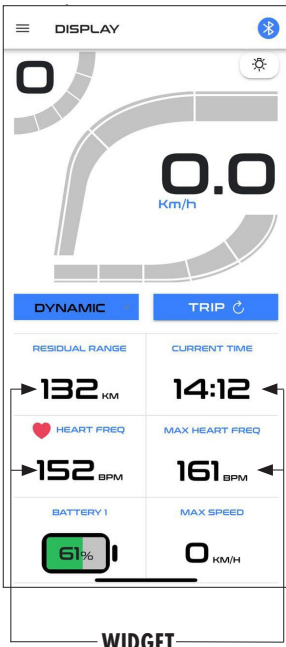
App description

The App consists of the following pages:

- DISPLAY
- CARDIO SENSOR
- MAPS SETUP
- STATISTICS
- DIAGNOSTICS
- SETTINGS
- EBIKE INFO

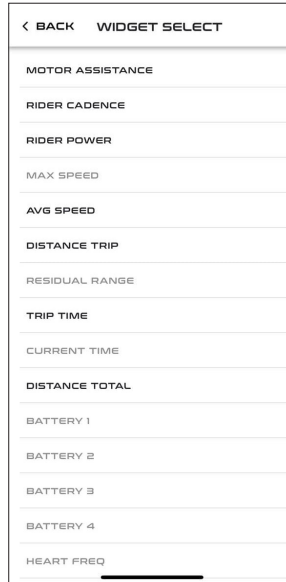
Details of the DISPLAY menu:

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

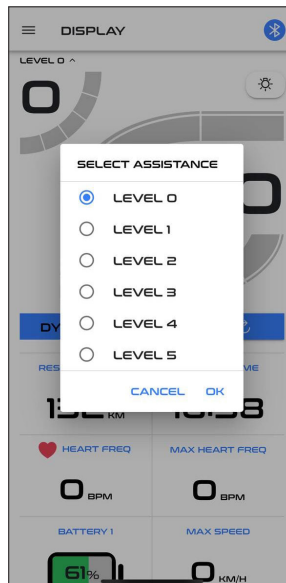


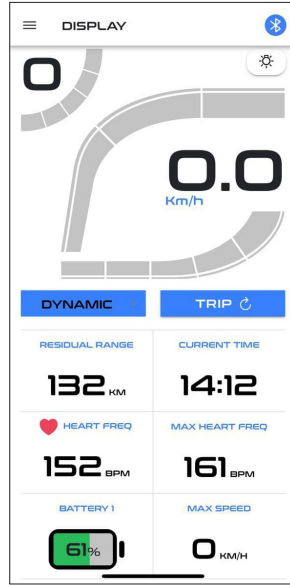
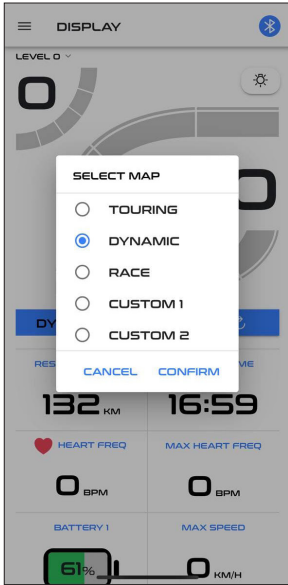
SCREEN CUSTOMIZATION

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.



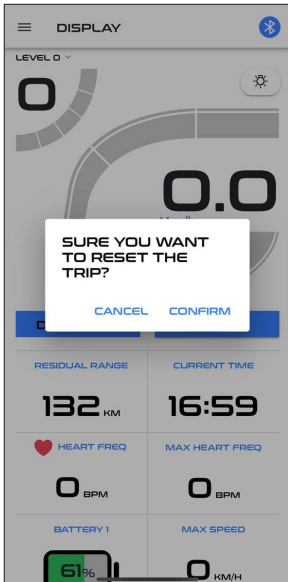


DETAILS OF THE CARDIO SENSOR MENU

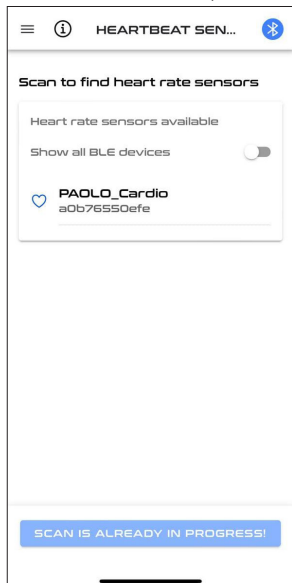
By entering the "Cardio Sensor" area you can associate the cardio sensor compatible with the Bluetooth technology (BLE).

Once it has been connected it is possible:

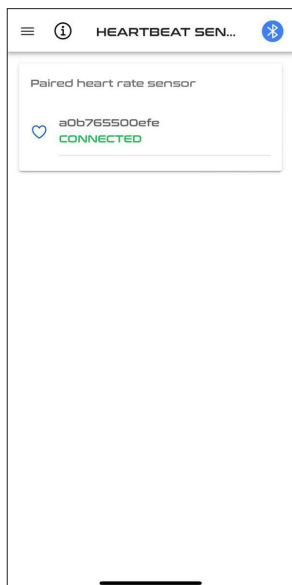
- Show "immediate" and "medio" of the cardio function (both in the display and app).
- Set an alert when the maximum threshold has been exceeded. (SEE menu SETTINGS in the app).



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.

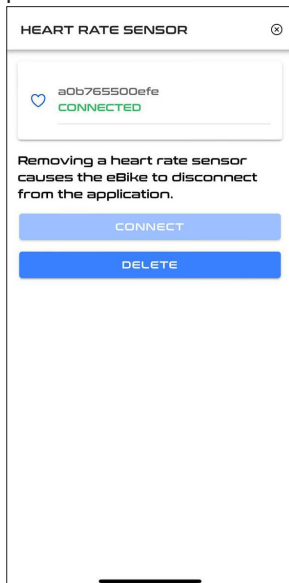


If when pressing SCAN the list is empty it is possible to activate the function "show all the BLE devices" to show all the BLE sensors.



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.

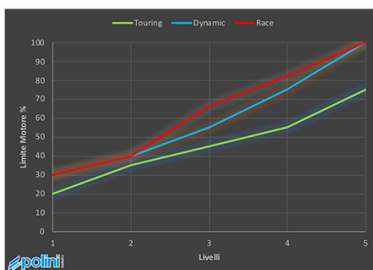
MAPS SET UP DETAILS

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".

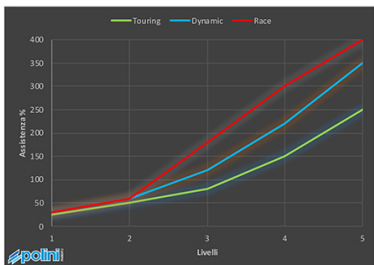
Limite Motore E-P3+ e E-P3+ MX

Limite Motore %	Touring	Dynamic	Race
Livello 1	20	30	30
Livello 2	35	40	40
Livello 3	45	55	66
Livello 4	55	75	82
Livello 5	75	100	100



Assistenza E-P3+ e E-P3+ MX

Assistenza %	Touring	Dynamic	Race
Livello 1	25	30	30
Livello 2	50	60	60
Livello 3	80	120	180
Livello 4	150	220	300
Livello 5	250	350	400



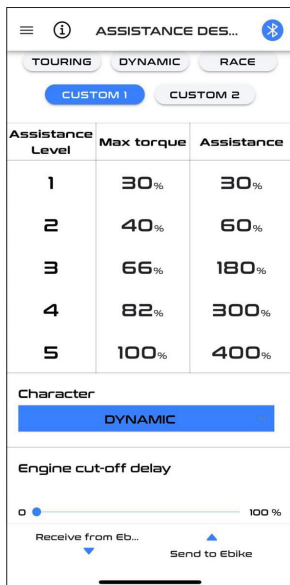
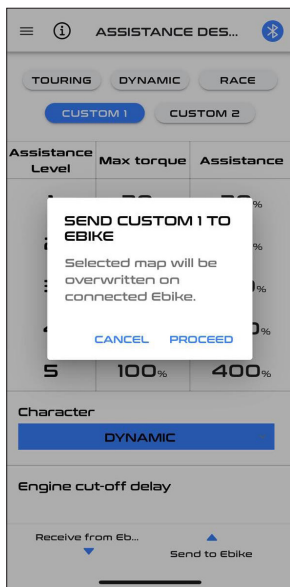
- The assistance is the proportion of the motor torque delivered respect to the pedaling input of the cyclist's torque. For example: 100% assistance means that the motor delivers as much torque as the cyclist, so the rear wheel will have the double of the torque produced by the cyclist; 300% assistance 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 Custom 1 to ebike** (shown by the arrow)

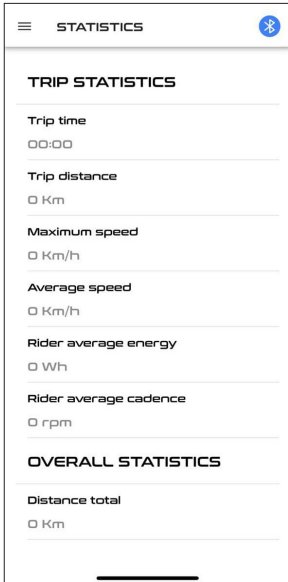
Il tasto **Ricarica CUSTOM1 from Ebike** invece, ricarica sull'app la mappa personalizzata che è impostata sulla bici.



STATISTICS MENU DETAILS

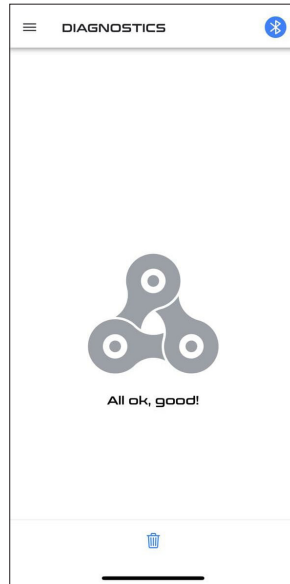
In the STATISTICS section the trip statistics data are displayed (these data may be reset using the RESET TRIP key in the DISPLAY page) and the total distance travelled (odometer) :

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



DIAGNOSTICS MENU DETAILS

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

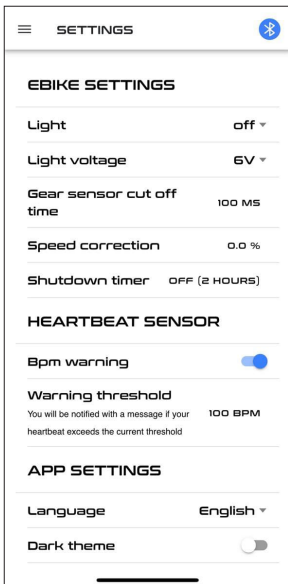
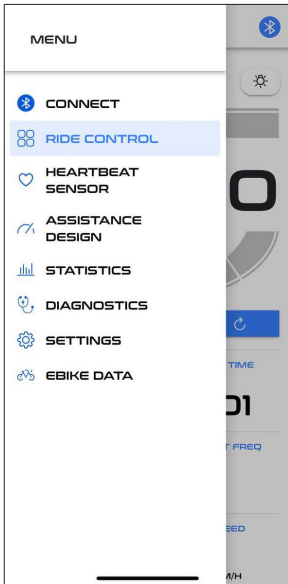


SETTING MENU DETAILS

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.



INFO MENU DETAILS

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

Bike details:

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

