

EN



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RAYVOLT

Welcome to EIVA

your personal Electronic Intelligent Vehicle Assistant

This guide will present you the different functions of EIVA to personalize your Rayvolt electric bicycle.

Install

Principal screen

Settings

Bluetooth connection

User profile

Advanced settings

Connections

Bike status

Routes and maps

Music

Download Rayvolt EIVA App

From Google Play, Apple store or from
www.Rayvoltbike.com/app/eiva.apk

If you own a Rayvolt dashboard it is ready to use.

Open the Rayvolt EIVA App

EIVA should automatically connect your bike with your phone. If not, tap Settings, Bluetooth, Search and pair with your device.

You will also receive a message asking to activate the localisation on your phone but it is not mandatory to use EIVA.





Connected



Pedal assist





Speed indicator

Actual distance

Battery level

Full distance

Power use

Only if the motor is running



Settings

Customize your bike



Help

Activate the Help on principal screen



Music player

Activate the built-in MP3 player



Routes and maps

Access to routes and maps



Pedal Assistance control

From the main screen you can adjust the pedal assistance rate from 0 to 5 using the controllers.



Bike status

Provides you with the actual connection status and advise you of any error on your bike. If your bike is disconnected it is also a quick connect button.



Settings

Settings		
Drive Mode	OFF ROAD	>
Acceleration	STRONG	>
Pedal Assistance	MEDIUM	>
Regen Break	STRONG	>
AutoPAS	OFF	>
Screen	AUTO	>

Drive mode

When EU Street Legal, your Rayvolt Bike complies with the European EPAC regulation for e-bikes, delimiting 25 km/h maximum speed.

In US legal mode, the smart hub motor complies with the class 1 ebike regulation with a 20 mph (32 kmh) speed limit, the power hub complies with the Speed Pedelec ebikes regulation with a top speed of 28 mph (45 kmh).

When OffRoad, your Rayvolt Bike is used as a Moped to reach speed up to 45 km/h.

You will be asked to agree the Terms & Conditions according to the EU or US regulation for motorcycles.

Please read carefully and acknowledge your local regulations and laws.

Acceleration

Select the acceleration strength as low, medium or strong by default, the throttle will give you a 5 km/h start push.

Pedal Assistance

Set the pedal assistance rate as low, medium or strong by default, you then can adjust it from the principal screen using the controllers.

Regen Break

Adjust the strength of the regenerative

braking system between low, medium and strong. It will activate the motor break and recharge the battery.

AutoPAS

Activate the Intelligent PAS, your Rayvolt bike will detect the hill and adjust itself; once back on a flat road your PAS settings will be restored to your selection.

Screen

You can lock EIVA's display in horizontal or vertical position.



Connections

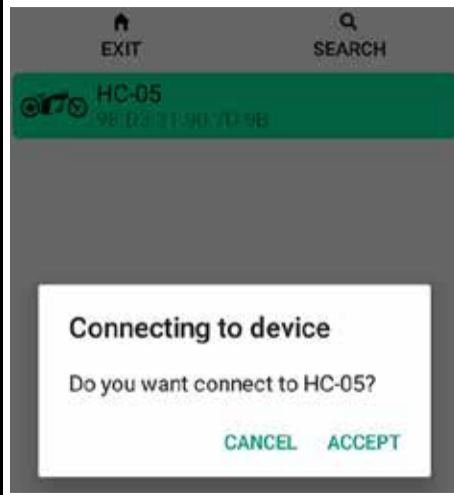
Connect or disconnect your bike.

Profile

Set up your user profile.

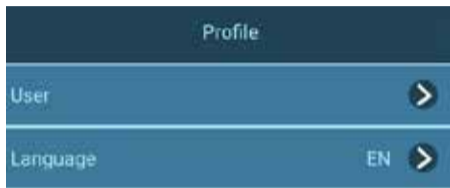
Upgrade App

Verify EIVA's version and upgrade if necessary.



Bluetooth connection

First pair your Smart phone with your Rayvolt bike, password by default is usually 1234 or 0000. Then connect EIVA with your bike using this menu.



User

Fulfill your user profile to download app updates, this is specially useful if you change your smartphone.



Language

Select your language between English, Spanish, German, French or Italian. It will principally affect the GPS language.



Register User

Enter a fullname

Email

Gender

Password

Confirm password



Advanced Settings

Acceleration Rate

100

Maximum Speed (km/h)

47

Current BUS (A)

30

RBS Rate

50

Advanced settings

These options allow you to fine-tune the settings of your bicycle as the acceleration curve and maximum speed.

The BUS controls the amperage from the battery, this will alter the motor force in the climbs, for example. Depending on this setting your battery will discharge more or less quickly.

The RBS controls the strength of the engine brake and therefore its battery charging power.



Advanced settings 2

You can also disable the regenerative braking system (RBS), the pedal assistance (PAS) or the throttle.

Select your wheel diameter and the voltage of the motor for an efficient use of your Rayvolt bike.

You can modify the PAS ratio, it sets the relation between the moves of the pedals and the motor's assistance.

Bike status



Disconnected

You need to connect to your bike, if your bike has been already connected just tap the image for a quick connection.



Connected

Your bike is connected to EIVA.



Regen brake Stall

This error appears when you are pulling the break, the electronic breaking system is activated and you cannot accelerate.



Throttle fault

The accelerator cable failed, please check if it is correctly connected.



Under voltage protection

The battery is almost empty, by security the motor alimentation is now off.



Over voltage protection

The battery voltage is higher than the bike's set up, by security the motor alimentation is off.



GPS and maps

Route

Show My Position

Interest Points

Interest Routes

Custom Route

Check for map updates

Map downloads











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EIVA comes with a built-in GPS that uses the geolocation of your smartphone, the green point hides or shows its menu.

To use EIVA's GPS you first need to download and install your maps:

go to Map downloads, select your country and install the map. You will then be able to use it offline.

Rayvolt		
Dinamarca	68 MB	
	NOT QUEUED	
Eslovaquia	72,4 MB	
	NOT QUEUED	
Eslovenia	26,4 MB	
	NOT QUEUED	
España	193,8 MB	
	INSTALLING	
Estonia	35,1 MB	
	NOT QUEUED	

City

Street

House Number

SEARCH



Route

This is the common GPS function, EIVA contains a predictive text function.

Tap on Search, EIVA will propose you to select your way and to start the navigation.

Once started just follow the indications on screen to reach your destination.

00:13
4.4 km

00:13
4.5 km

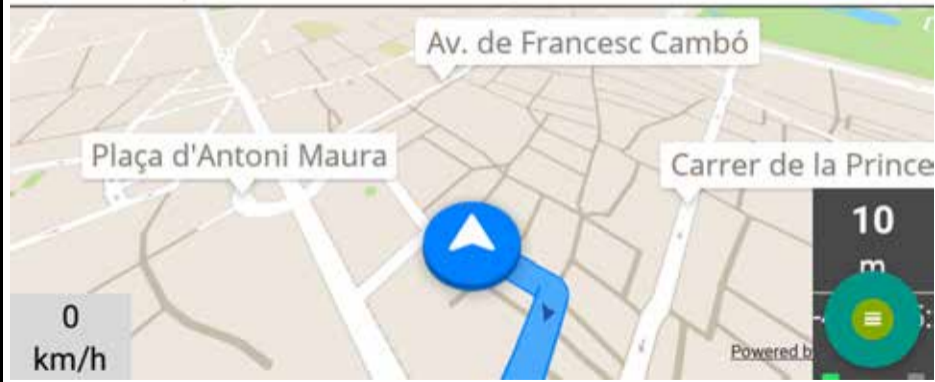
00:13
4.6 km



Start navigation



10 m



Plaça d'Antoni Maura

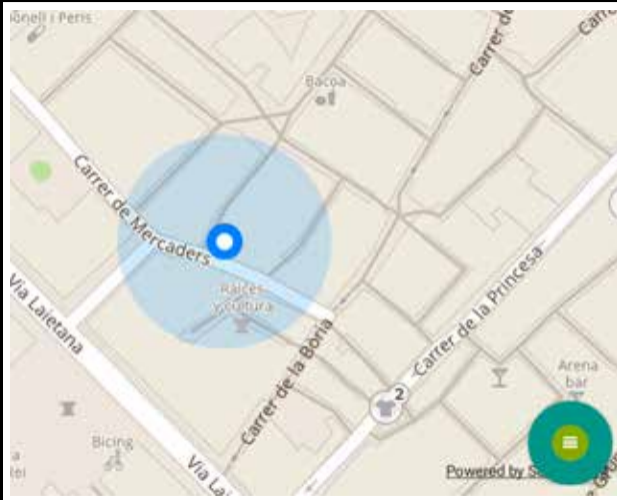
Av. de Francesc Cambó

Carrer de la Prince

10
m

0
km/h

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Show my position

Here you are, well... this is actually where we are in Barcelona.

Select Place

Barcelona

▼ es

Hotel W



El W Barcelona u Hotel Vela como se le conoce comúnmente, es un edificio de gran altura y diseñado por Ricardo Bofill. Tiene un total de 473 habitaciones desde las que se puede disfrutar de un amanecer inigualable.

Playa de la Barceloneta



La playa de la Barceloneta es la más antigua y famosa de las playas de Barcelona. Tiene una arena fina, dispone de diferentes actividades de ocio, áreas deportivas y nudista.

Vila Olímpica



Es una zona que fue habilitada para deportistas como residencia durante los Juegos Olímpicos de 1992. Cuenta con un puerto deportivo, numerosos bares, casinos, y una gran oferta de ocio. Entre los hoteles destacan el Hotel Arts y la Torre Agbar.

Interest points

Select your country and your city, the points of interest will appear on screen. The first time you need an internet connection.

Select one point to access its description and tap on Route. EIVA will propose you different routes to this point, tap on Start navigation.



Playa de la Barceloneta

La playa de la Barceloneta es la más antigua y famosa de las playas de Barcelona. De aguas tranquilas y arena fina, dispone de diferentes actividades de ocio, área deportiva y zona nudista.

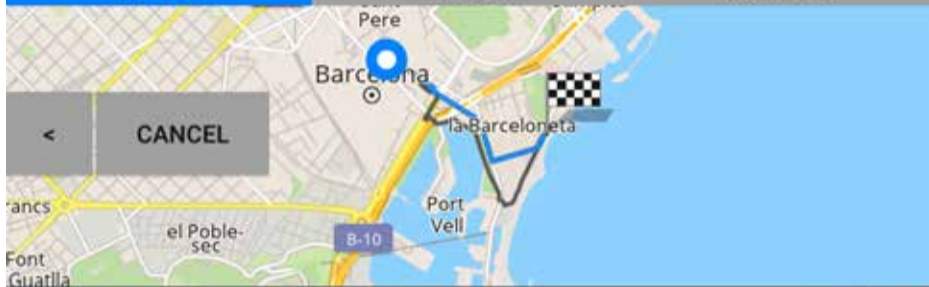
ROUTE



00:05
1.7 km

00:05
1.7 km

00:07
2.5 km



Start navigation

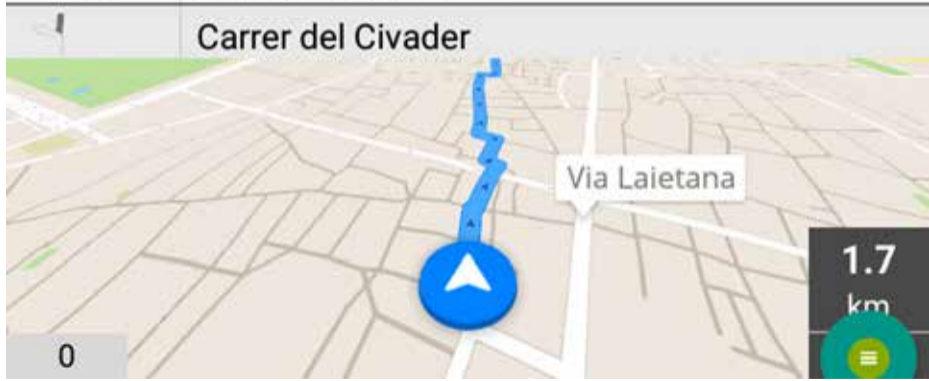




50 m

Carrer de la Bòria

Carrer del Civader



0

1.7
km

Select Routes

Barcelona

▼ es

RUTA BARCELONETA

RUTA CASCO ANTIGUO

RUTA DE MONTJUIC

RUTA DEL MODERNISMO

RUTA MONTAÑA

Interest routes

Select your country and your city, EIVA will offer you different touristic routes.

Select your best way to visit the touristic points, if you tap on the red symbol you will see the name of each point of interest.

Then Start the navigation.

00:29
9.6 km

00:30
10.0 km

00:33
11 km



Start navigation



Select Routes

ROUTE

▼ es



El Teatro Nacional de Cataluña se construyó en 1991 bajo la dirección de Ricardo Bofill. Actualmente se representan obras regularmente, principalmente en



Torre Agbar

La torre Agbar es un rascacielos de 145 metros de altura, lo que lo convierte en el tercer edificio más alto de Barcelona. Lo diseñó el arquitecto Jean Nouvel



La Monumental



Custom routes

Select your country and city, select your own points of interest and EIVA will calculate a specific route for you.



Check for map updates

Verify if your maps have been updated or if new maps are available.

Map downloads

Download your first map and new maps following your country, you will so be able to use EIVA's GPS without internet connection.

- América (N)
- América (S)
- Antártida
- Asia
- Europa
- Oceanía
- África

