

# HESAPARTS COPILOT PRO

## User Manual



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**COPILLOT PRO** is a Plug & Play device with Bluetooth connectivity. Powered by a 12V connection, it requires an electrical installation in the vehicle.

**COPILLOT PRO** is completely waterproof, so it can withstand rain and dust.

## 1. INSTALATION

- **COPILOT PRO** requires no installation... Its ergonomic shape is designed to be carried in your hand.
- Ensure the power connection is made with a suitable, watertight connector. Never connect directly to the battery.
- Red cable \_\_\_\_\_+12V
- Black cable \_\_\_\_\_ground

## 2. USE

**COPILOT PRO** is a completely standalone device. It doesn't require any additional apps or configuration. As a Plug & Play device, **COPILOT PRO** is always ready to use once connected.

### 2.1 First connection

- Once the device is installed, we will proceed to make the first connection. To do this, we will power up **COPILOT PRO** using the ignition key. The LED will flash blue and red successively.
- Search the Bluetooth menu for available devices, and **COPILOT PRO** will appear. Tap on it to pair. If it asks for confirmation, accept.
- Once the connection is made, the LED will flash blue (Mode 1).
- After the first connection, **COPILOT PRO** will automatically connect to any previously paired device. You only need to have the device's Bluetooth connected and **COPILOT PRO** powered on.

(NOTE: Since **COPILOT PRO** is not battery-powered, it will never go into sleep mode)

### 2.2 Operation

- **COPILOT PRO** has two operating modes. The current mode is easily recognizable by the LED color. The colors are as follows:
- 1. BLUE \_\_\_\_\_ Mode 1 \_\_\_\_\_ STANDARD ROADBOOK
- 2. BLUE RED BLUE \_\_\_\_\_ Mode 2 \_\_\_\_\_ TERRAPIRATA
- When you start **COPILOT PRO**, it is always in the last mode from which it was shut down.

- To change modes, simply press the up lever and the right black button simultaneously. The LED will remain lit, indicating the new mode with its color.
- While in mode 2, changing modes cycles back to mode 1.
- During normal operation, the **COPILOT PRO** will always flash slowly, indicating the current mode.

## 2.3 Explanation of the 2 operating modes

All of the functions described in the three modes below do not require complex access methods. All functions are activated once with a single click, and a long press activates them repeatedly, as long as the app allows it.

### Mode 1 \_\_\_\_\_ STANDARD ROADBOOK

This operating mode allows you to use Copilot with any standard roadbook app other than TERRAPIRATA.

- Pressing the lever up moves the roadbook panel forward.
- Pressing the lever down moves the roadbook panel backward.
- Pressing the top right button increases the trip meter.
- Pressing the top left button decreases the trip meter.
- Pressing the red button resets the trip.

### Mode 2 \_\_\_\_\_ TERRAPIRATA

- Pressing the lever up moves the roadbook panel forward.
- Pressing the lever down moves the roadbook panel back.
- Pressing the top right button increases the trip's meter count.
- Pressing the top left button decreases the trip's meter count.
- Pressing the front button resets the trip.
- In addition to these functions, we have two additional functions: pressing the red button and the top right or left button simultaneously.

TERRAPIRATA is currently configurable the button functions, so the recommended configuration mode would be the following:

- Pressing the up button moves the roadbook vignette forward.
- Pressing the down button moves the roadbook vignette backward.
- Pressing the top right button increases the trip meter.
- Pressing the top left button decreases the trip meter.

- Pressing the red button crosses out the bullet (crosses out and advances to the next note)
- Pressing the red and top right buttons simultaneously resets the partial trip
- Pressing the red and top left buttons simultaneously resets the total trip

These settings are for guidance only, each user can configure the buttons to their preference.

### 3. RECOMMENDATIONS FOR USE

- Never exceed the parameters specified in section 5 of this user manual, otherwise the **COPILOT PRO** may be totally or partially damaged and void any warranty.
- The device has a reverse polarity protection system; however, before connecting, ensure the correct polarity of the power cables.
- If you are unsure of whether you can correctly perform the installation procedure explained in chapter 2, leave it to professionals.
- Never pull the power cable extending from the **COPILOT PRO**.
- Never bend or pinch the power cable.
- Never connect the **COPILOT PRO** if any part of it is damaged.
- It is recommended not to leave the **COPILOT PRO** exposed to direct sunlight for hours in hot locations. If you do, cover the **COPILOT PRO** with a piece of clothing.
- Do not apply the high-pressure water lance directly to the **COPILOT PRO**. Although it is waterproof, it is not designed to withstand high pressure.

### 4. SPECIFICATIONS

- Voltage: 5V to 30V
- Approximate consumption: 40mA
- Official waterproofing tests have not been performed, so an official overall IP rating cannot be guaranteed. However, **COPILOT PRO** is designed to withstand water and dust, with IP67 components.
- **COPILOT PRO** includes mechanical buttons. Designed to work in extreme conditions, but with pressure limits:  
 Normal operating forces for the buttons are 0.25 kg.  
 The maximum force it can withstand is 1.5 kg before breaking.

### 6. DISCLAIMER

- **COPILOT PRO was designed for legal off-road use. Use of this device under legal driving conditions is at the user's own risk.**
- **HESAPARTS is not responsible for damage to the vehicle's electrical system due to improper installation. Furthermore, the device cannot be guaranteed.**
- **All manuals will be distributed electronically. They will never be delivered in paper form.**