EXTENDED DECLARATION Quick Guide

Telepass

Introduction – Extended Declaration

- This guide is designed to illustrate the new Extended Declaration feature for the Swiss Toll Domain
- Telepass customers using the **K1** device will have the ability to manually set the **exact weight of the vehicle (tractor + trailer)** with minimum unit of 10 kg along with the **type of trailer exclusively through the Telepass Truck app**, and not from the OBU HMI.
- This functionality will be available only on Telepass SAT K1 devices for which the **G-weight** was provided when ordering/ updating vehicle data.
- The **Telepass Truck app**, in addition to the current system of recording weight per vehicle class, will provide an additional interface in which to enter the **actual weight** of the vehicle (the sum of tractor and trailer) along with the **type of trailer**.
- The current **Simplified Trailer Declaration** axle set management process will remain unchanged in the **K1** device HMI, which will not be impacted by this development.
- The value set for the extended weight will be used for the Swiss Toll Domain only. For all other Toll Domains weight classes will continue to be used. The value set for the extended weight will be automatically converted to the corresponding weight class outside the Swiss Toll Domain.

- The current simplified axle declaration via HMI OBU interface will continue to be used in the following cases:

- Telepass customers with **Telepass SAT Arianna 2 device**

- Telepass customers with **Telepass SAT K1 device** who do not use the app or do not provide **G-weight** at the vehicle level.

- Emergency procedure

Precondition

- In order to use the extended declaration it is necessary:

  - To have **Telepass SAT K1**
  - To have **the Telepass Truck app** updated
  - To provide the **G-weight** when ordering/ updating vehicle data.
  - Configure a **number of axles** greater than the minimum number of axles

If the trailer weight is less than 3.5 t, no weight declaration is required, and no axle adjustment should be made. In this case, weight registration is only valid for the tractor unit (if over 3.5 t), while for the trailer it will be necessary to purchase a vignette.

Access to the App

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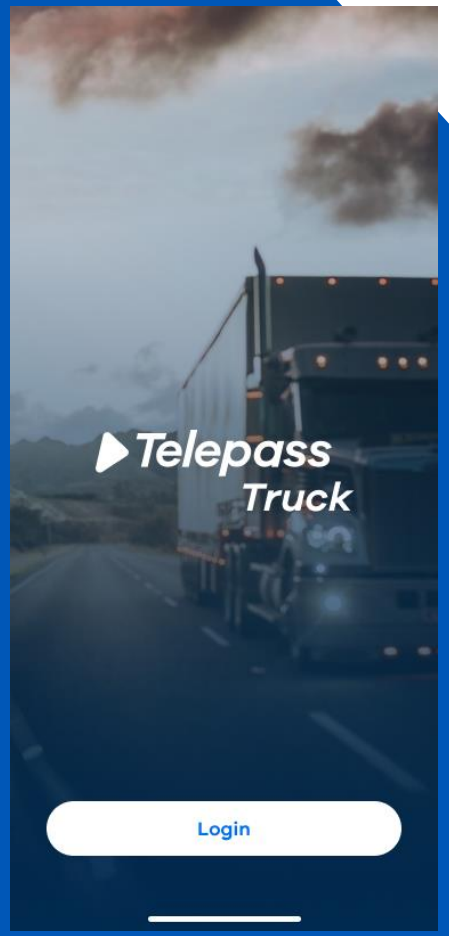
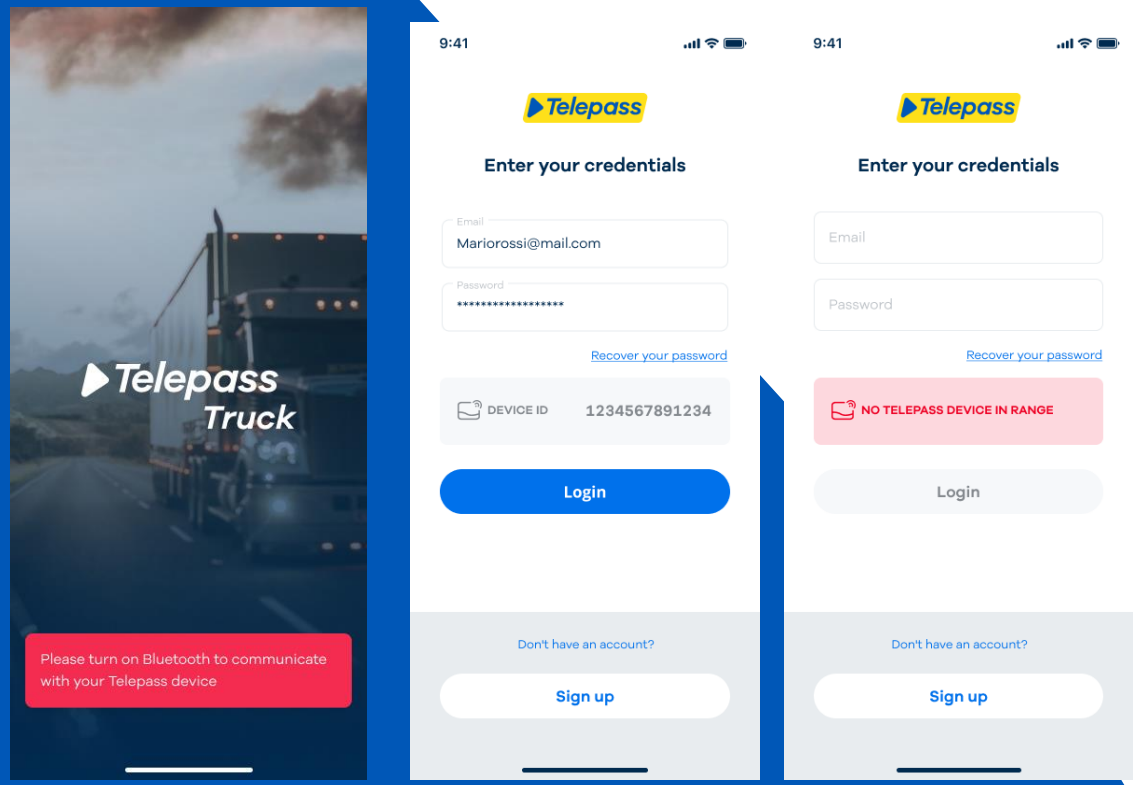
K1 – Telepass Truck – Overview



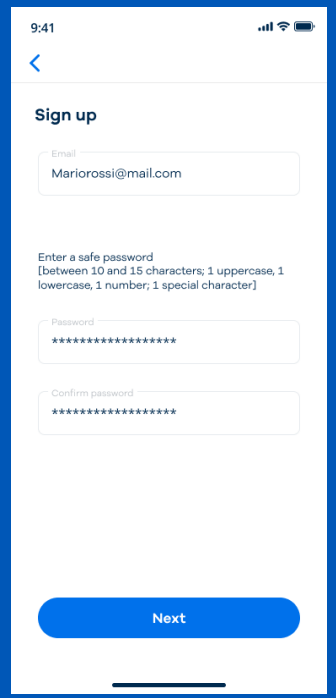
- "**Telepass Truck**" is the mobile application for Android and Apple smartphones for displaying user information associated with Telepass SAT K1 device, notifying faults and managing vehicle configuration parameters such as weights and axles.
- It is possible to download the app both on Apple Store and Play Store
- The pairing between the mobile device and the On Board Unit (OBU) takes place via **Bluetooth** communication. The user must enable the Bluetooth for using the APP
- The Bluetooth associate the OBU ID **closest** to the mobile device: it **is not possible to associate more than one K1** to the same mobile device at the same time.
- The access to the app is protected by an **authentication system** based on username (e-mail) and password to protect the display of sensitive data

K1 – Telepass Truck – Authentication



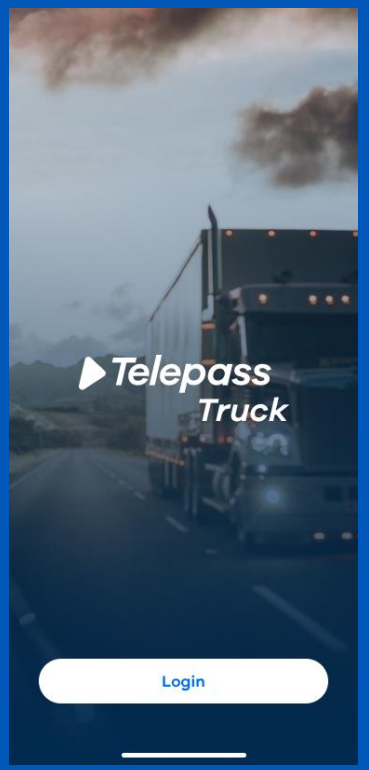
- The association between the mobile device and the **Telepass SAT K1** device takes place via Bluetooth communication.
- It is necessary to enable the Bluetooth communication on the Mobile phone as first step, otherwise the app returns a massage "***Please turn on Bluetooth to communicate with your Telepass device***" and it is not allowed the using of the Telepass Truck application.
- In case the driver is too far from the OBU it is not possible to visualize the info of the OBU until the driver comes back close to the OBU. A message "***No Telepass device in range***" will be shown.

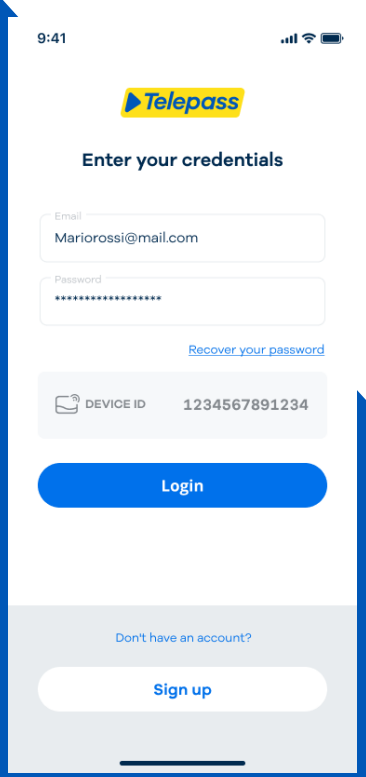
K1 – Telepass Truck – User Registration



- Access to the application is allowed only to **registered users** to protect viewing of sensitive data.
- When registering for the first time, the user shall insert **email address** (it will be the username) and a **password** (between 10 and 15 characters, 1 upper case, 1 lower case, 1 number, 1 special character)
- After having received the **OTP code** in the email provided the user must enter it. Then the registration to the APP is completed

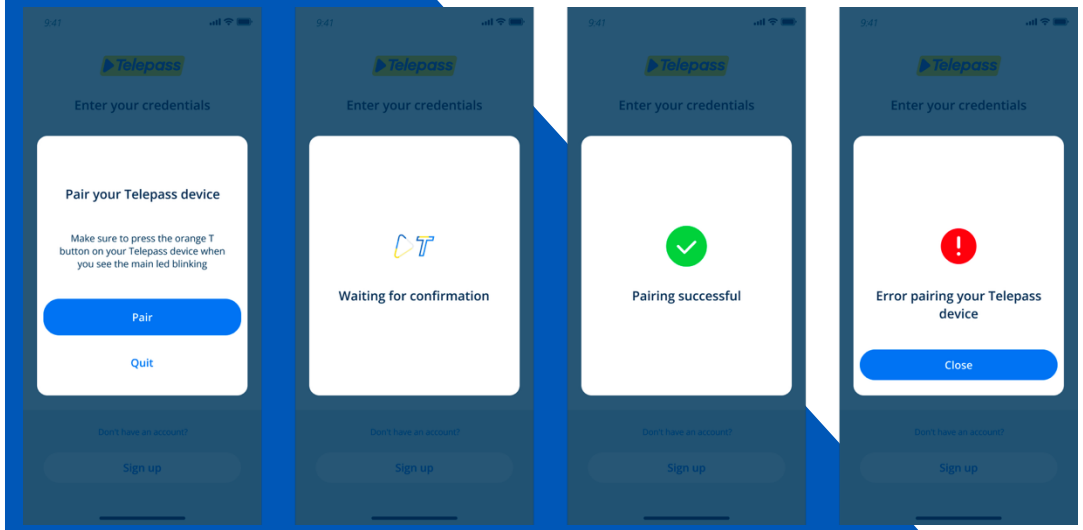
K1 – Telepass Truck – Login





- To enter the app again after it has been closed or logged out, tap “Log In” button in the initial Page to access the Login dialog, fill in e-mail and password chosen during registration phase and then tap “Login” button.
- The user will automatically access the dashboard that displays the status of the K1 (the closest OBU id shown in the login Dialog) associated during the last registration phase, the active toll services, and the toll settings, as described in section Homepage.

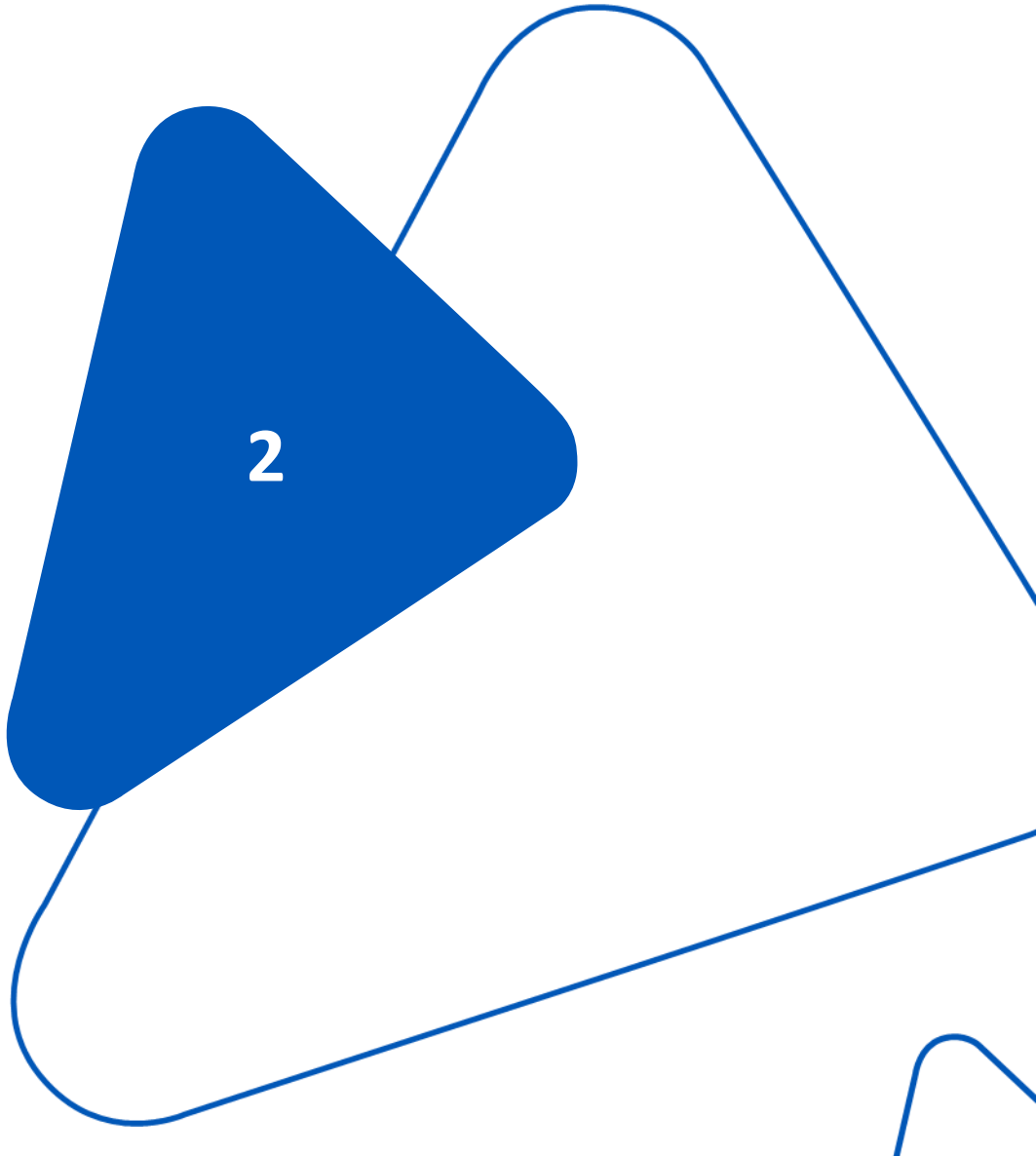
K1 – Telepass Truck – Pairing



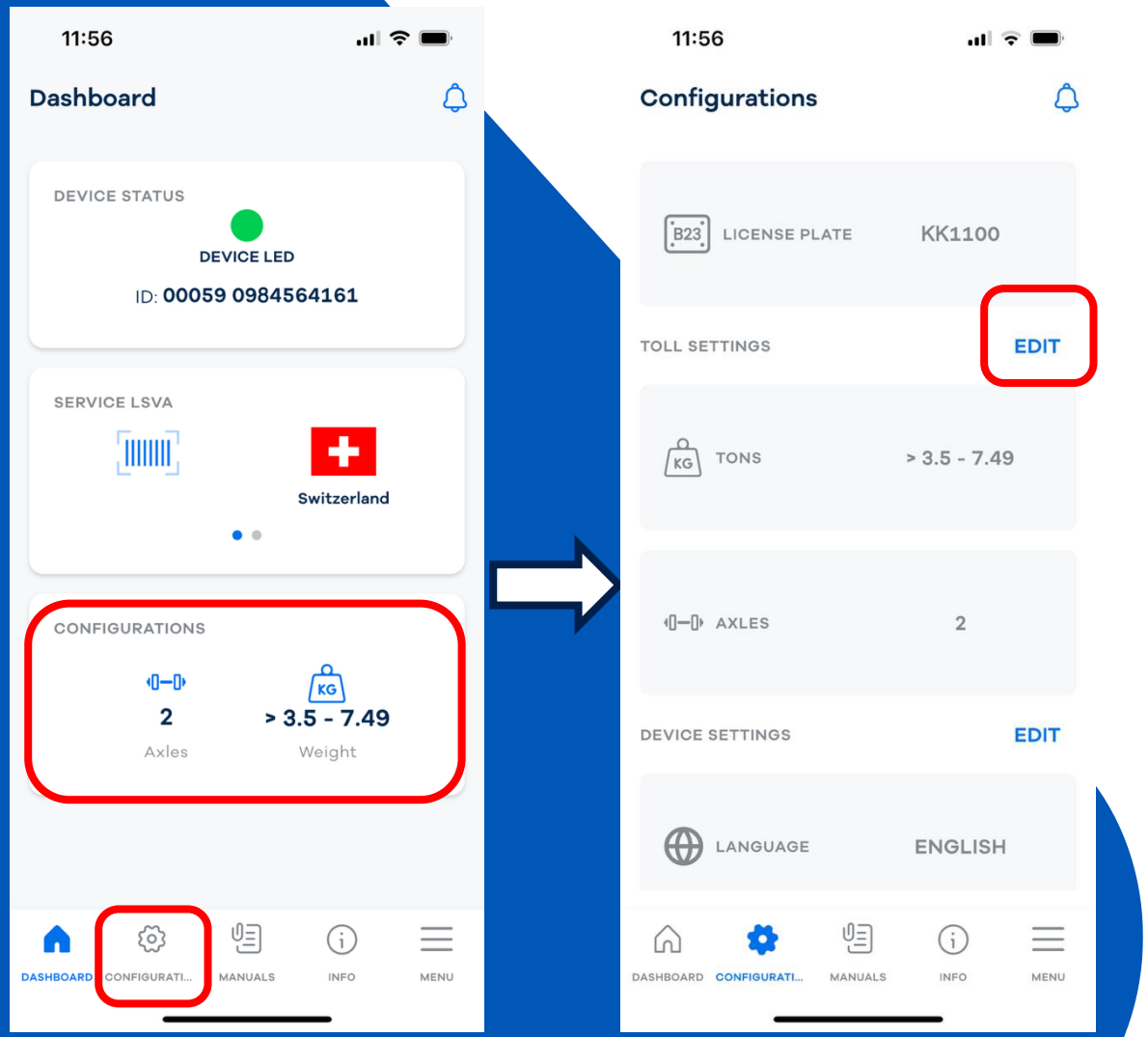
- The user login via the App is granted only with an additional physical pairing after using the user credentials.

1. Once logged in, the app will prompt you to initiate pairing
2. OBU's main LED will start flashing blue light
3. During the flashing, the user must press the orange T button on the Telepass SAT K1
4. Once the button is pressed, the app will confirm the success of the operation

Extended Declaration

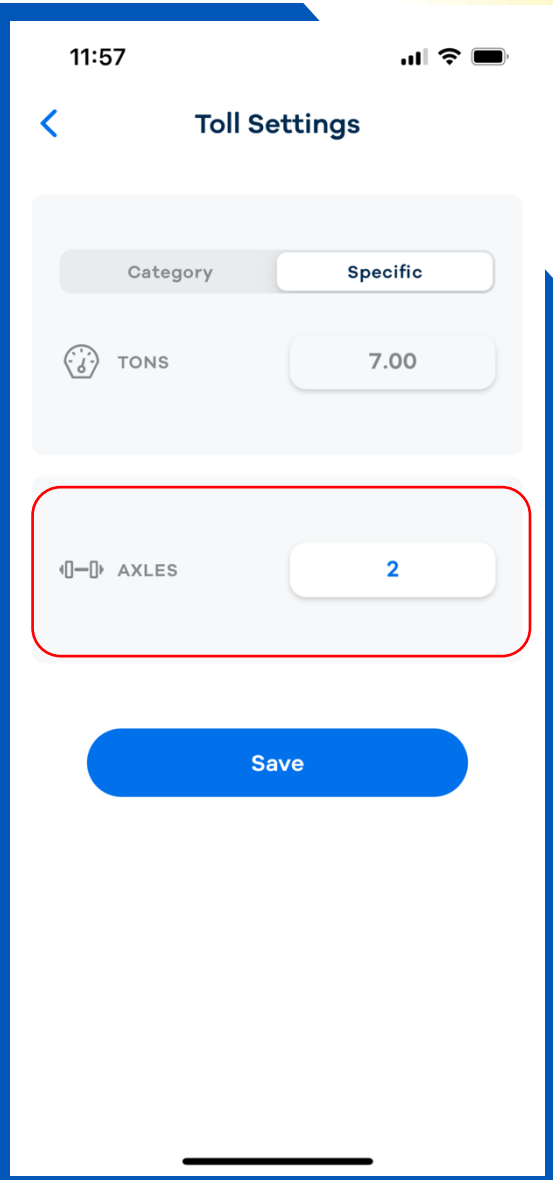


Extended Declaration 1



- Go on "**Dashboard**"
- Select «**Configurations**»
- Click on **«Edit»**

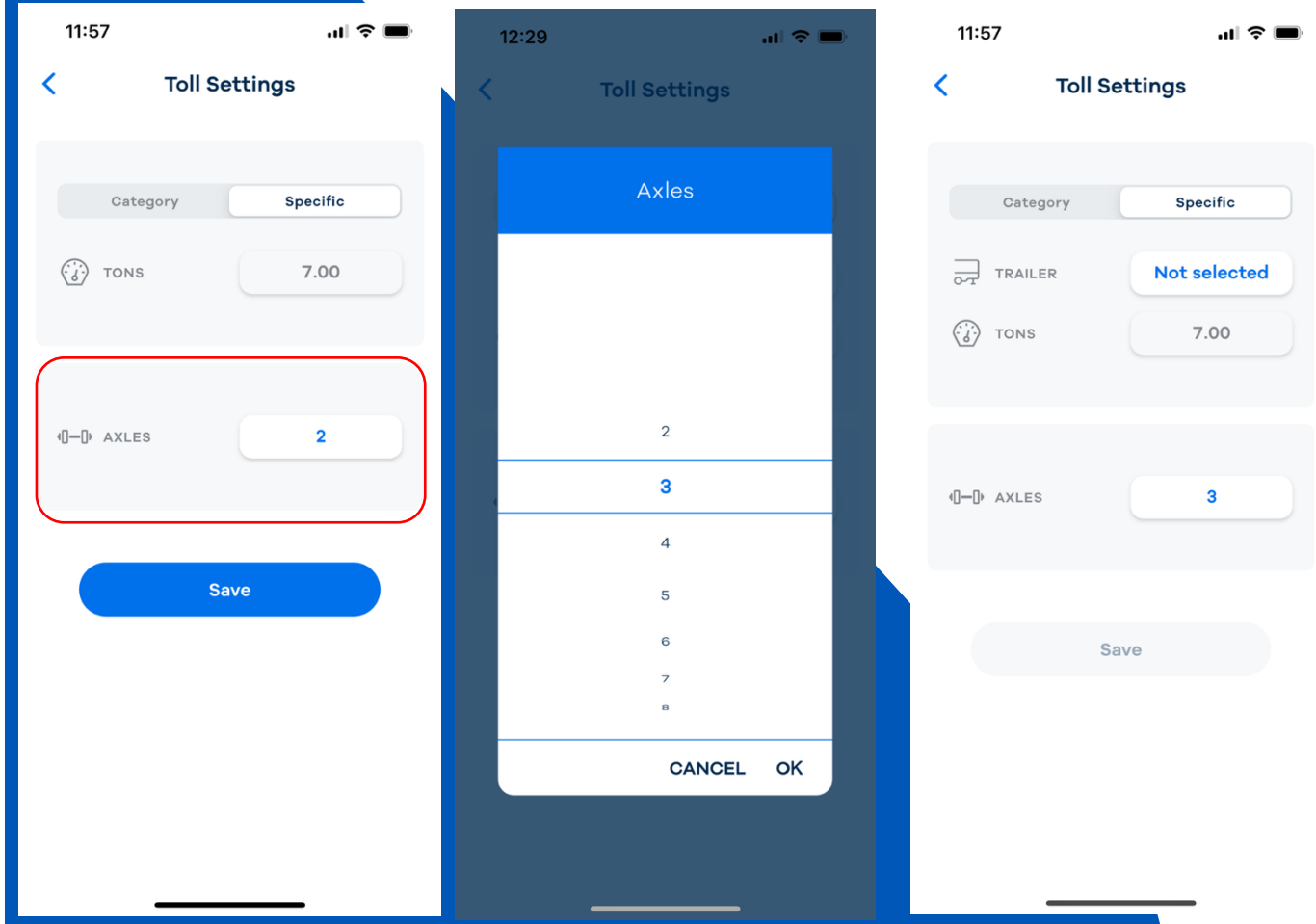
Extended Declaration 2



- Go on “Specific”
- To use the functionality **MUST be set a number of axles greater than the minimum one** otherwise can not be set the Complete Declaration of the combination of tractor and trailer
- Click on «Axles»

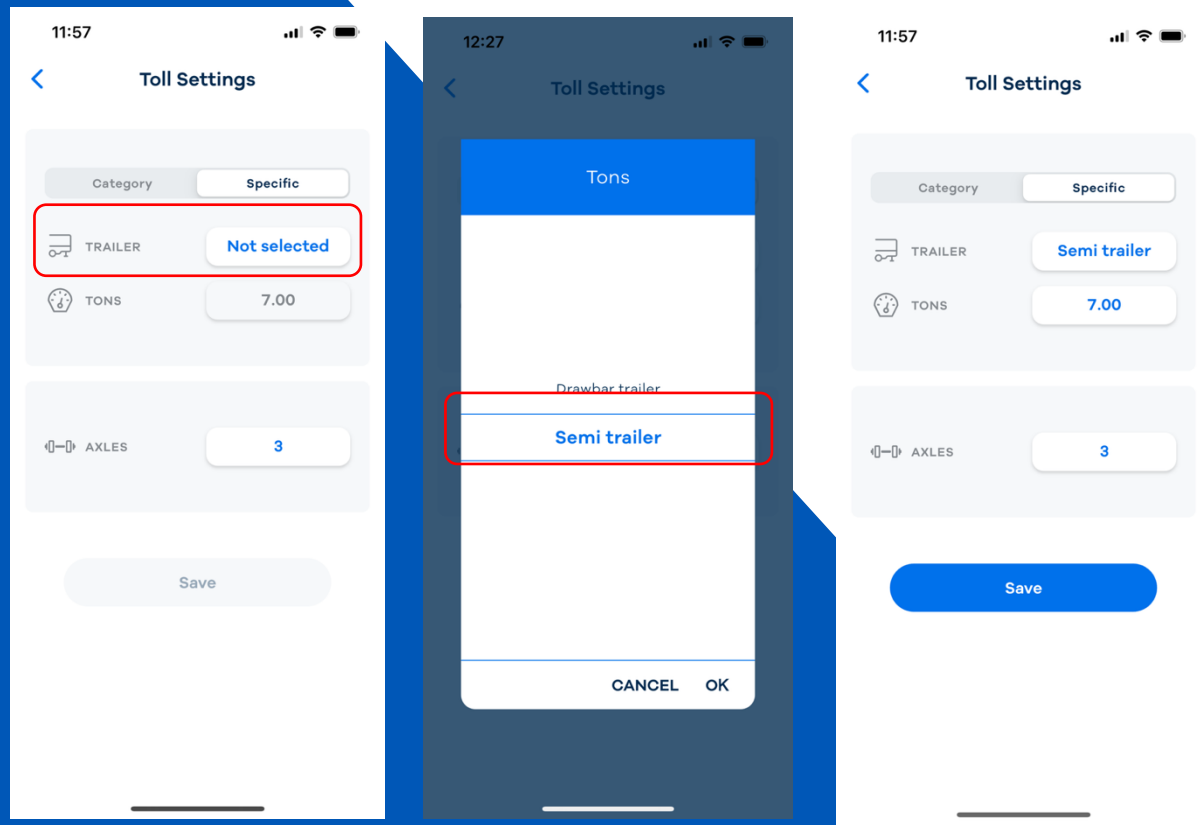
If the trailer weight is < 3,5 t it has not to be declared, no axles change has to be made

Extended Declaration 3 - Axles



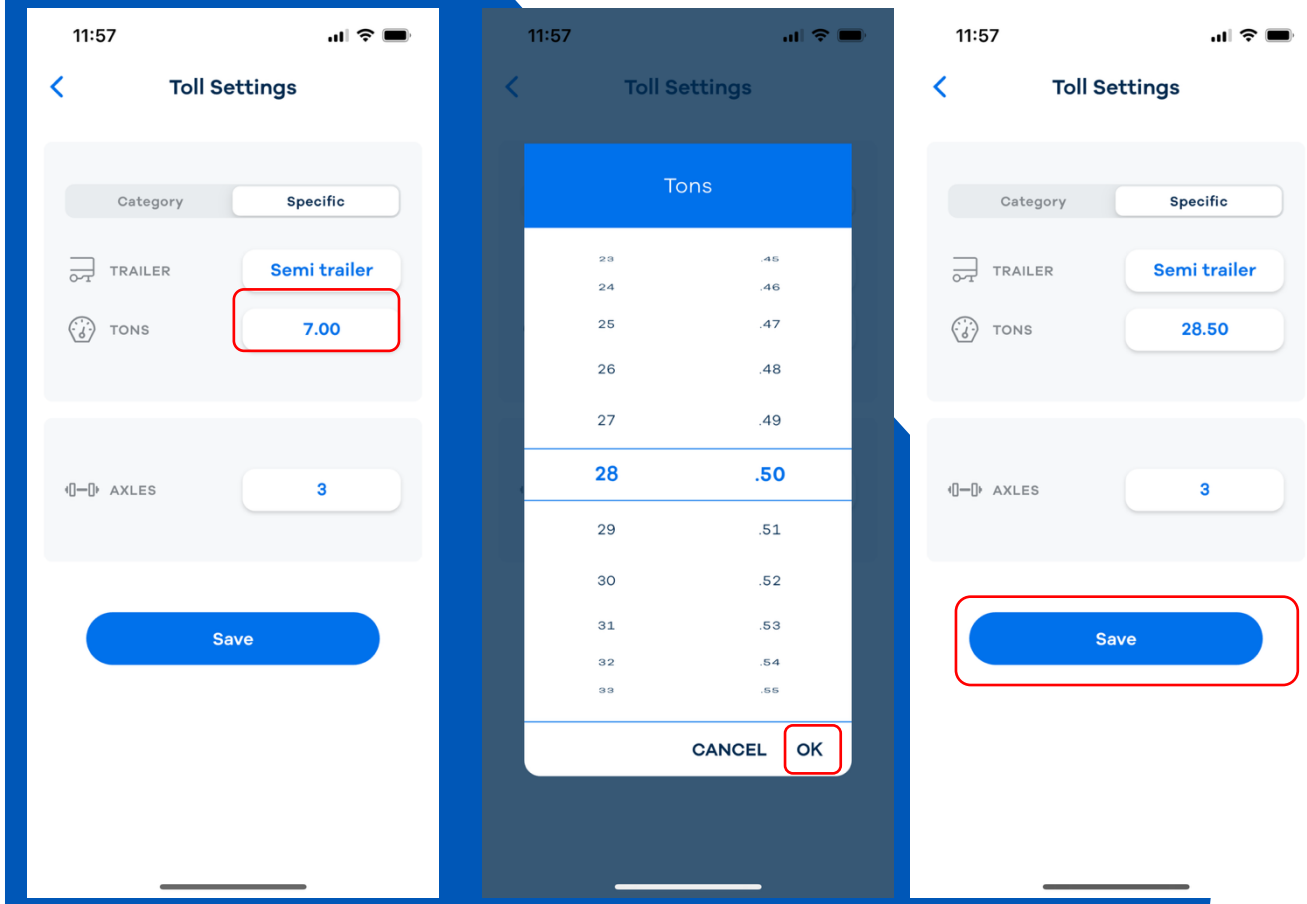
- Click on «Axles»
- Set the the total axles using the scroll wheel selector
- Click OK
- The new axles are set

Extended Declaration 3 – Trailer type



- After the selection of a number of axles greater than the minimum one it will be visible the section «Trailer»
- The user MUST select the trailer type using the scroll wheel selector
- Choose between **'Semi trailer'** and **'Drawbar trailer'**.
- Both in case of Semi trailer and Drawbar Trailer it will be proposed as a minimum weight the **weight F1 (**in this example 7 Tons)

Extended Declaration 4 – Combined weight

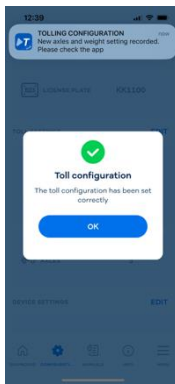


- After selecting the type of trailer it will be necessary to select the **combined weight of tractor and trailer (THE SUM, THE TOTAL)** using the scroll wheel selector**:**

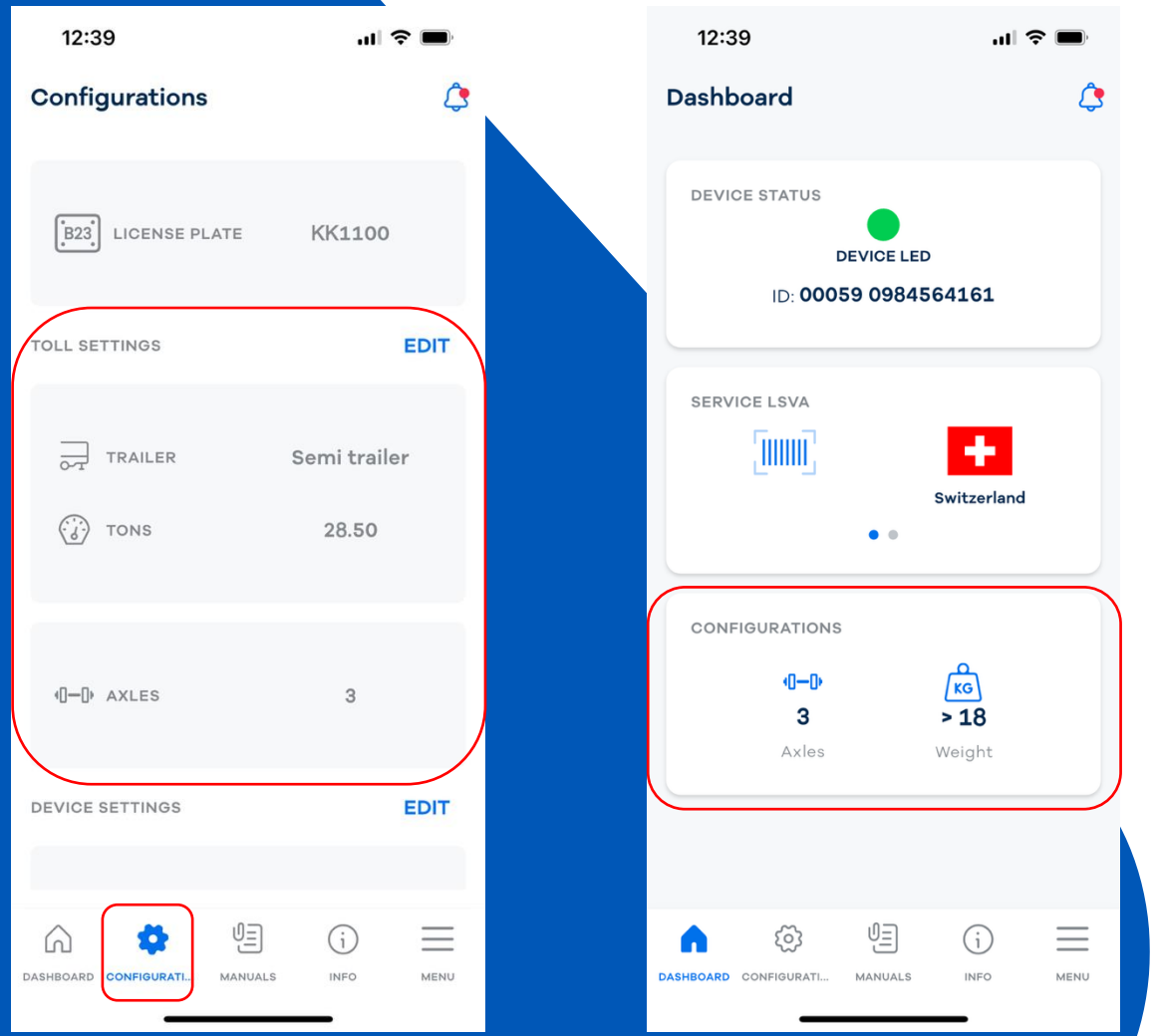
- **For drawbar trailer vehicles:** total weight (F2) of the towing vehicle + total weight (F2) of the trailer

- **For semitrailer vehicles**: unladen weight (G) of the towing vehicle + total weight (F2) of the semi-trailer

- Weight can be set in increments of 10 kg.
- The minimum value is preset to F1 (in this example was 7 tons).
- The maximum value for the combination is F3 weight
- After setting the weight click on “**Save**”
- New Toll Configuration was set



Extended Declaration 5



- After the toll configuration is confimed the «extended declaration» will be shown on the «Toll Settings» section in the «Configuration» menu
- The Dasboard will keep to show the weight in the «Weight class view»

Extended Declaration 6 - Addendum

The Dashbaord displays in «Info» Tab :

- F.1 – the minimum value that can be set
- F.3 – the maximum value that can be set
- G – The Sales Partner need to provide this value otherwise the «Specific» section will not be visible
- Tractor Axles - In order to use the Extended Declaration the user needs to set a value greater than this one