

PASSango



USER GUIDE

& what you need
to know to comply
with toll regulations



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OBU MAIN SCREEN



1 Country and Vehicle Registration Number

2 Power source

○ ○ fuse box

3 Battery status

4 Status of the GSM network

5 GPS status

6 Toll Domains ⁽¹⁾

BEL : Belgium VIAPASS

TIS : France + Liefkenshoek tunnel (Belgium)

VIA : Spain + Portugal

ET1 : Austria + Storebaelt bridge (Denmark) and Øresund bridge (Sweden)

DEU : Germany LKW-Maut

POL : Poland e-TOLL

BGR : Bulgaria BGTOLL

HUN : Hungary HU-GO

ITA : Italy AISCAT

CHE : Switzerland + Liechtenstein

Note that the OBU does not beep at toll gates/gantries or borders.

7 Services

T&T : Geolocation services

8 Commercial lock

9 Defect

10 Four-way navigation button

Up and down button:

Menu and settings

Left and right button:

control and settings menu

(axles, weight, tolling, sound...).

11 Number of axles in use (tractor + trailer).

(1) Before your journey, find out about each country's official regulations. If you have any questions, get in touch with your usual point of contact.

Initialisation

1 STARTING THE OBU

1. Once your OBU is connected, the automatic initialisation procedure starts (around 2 mins).



2. The navigation button is green and all subscribed services are displayed on the screen: your OBU is operational.



2 CHECKS

With the up/down navigation button scroll through the control menu to make sure your OBU has been installed correctly.

EXT . POWER :	ON
BATTERY :	OK
IGNITION :	ON
MOVEMENT :	OFF

Installation of your OBU is correct.

EXT.POWER:

ON: Connected
OFF*: Not connected
ERROR: Error

IGNITION:

ON: Correct permanent power supply
OFF**: Temporary power supply
ERROR*: Connection error - check the installation

BATTERY:

OK: Working
LOW: Plug in the OBU
ERROR: Internal battery unplugged

MOVEMENT:

WHEN THE IGNITION IS ON

ON: Engine on
OFF: Engine off

WHEN THE IGNITION IS OFF

ON: Detected movement
OFF: Undetected movement

* Cf connection requirements.

** Your OBU is only connected with 2 cables or is connected to the cigar lighter.
Please ensure that the OBU is connected to your vehicle's fuse box with 3 cables.

Checklist

The navigation button is green



Vehicle Registration Number corresponds to the vehicle being driven.



Device is connected to the fuse box.



GSM reception level shows at least one bar.



The satellite reception symbol must be shown, and not be crossed out.



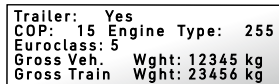
Number of axles corresponds to the vehicle being driven.

* In Germany, raised axles are counted.



Toll domains subscribed to are displayed and not crossed out.

If there are more than 6 toll domains, they are displayed by pressing the down navigation button.



From the information screen "i", access the settings screen and check the vehicle's information.



If you have subscribed to the geolocation package, the T&T icon is shown on the screen.

Checklist

UPDATE THE NUMBER OF AXLES



Operate the OBU only when
the **vehicle is stationary**.

The number of axles displayed on the main screen must be equal to the number of unraised axles that the vehicle being driven has (train vehicle + trailer). **Warning for toll domains in Germany: the raised axles must be counted.**

Set the right number of axles: Long press (2 sec.) right > or left <. To change the number of axles: scroll through the number of possible axles and select the correct one.



Toll use

When passing through gates, toll barriers or borders, the OBU does not emit any signals.

- ▶ Take lanes without height restrictions.
- ▶ Respect the road signs and **safety** regulations.

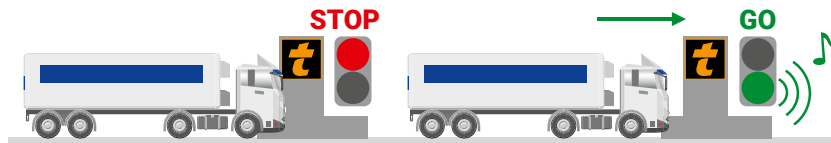
DEDICATED E-TAG LANES ⁽¹⁾

 FRANCE	 SPAIN	 PORTUGAL	 BELGIUM*	 DENMARK*	 SWEDEN*	 ITALY
			 Liefkenshoek tunnel	 Storebælt bridge	 Øresund bridge	

* only tunnel and/or bridge



In the toll lane, keep a distance of 4 metres between your vehicle and the vehicle in front of you.



Proceed when the light is green and the barrier lifted.

NEED HELP? Press the call button to contact an operator.

(1) Motorways in France, Spain, Portugal, Italy Liefkenshoek tunnel in Belgium and Øresund and Storebælt bridges in Sweden and Denmark.



Driving regulations

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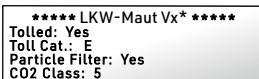
Driving regulations
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Warning indicators

In case of breakdown

SPECIFIC REGULATIONS IN GERMANY

1. Check information about your vehicle.



* depends on the version

2. Set the correct number of axles for compliance with German regulations:

vehicle's unraised + raised axles (train vehicle + trailer)

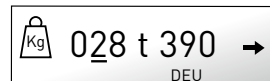
Access the settings menu using up/down navigation button. Confirm the correct digits by pressing the right button for 2 seconds:



Long press
to set or enable

3. Set the vehicle's current maximum train weight. (MANDATORY)

This weight is between the Maximum Permissible Laden Weight (MPLW) (=F1) and the GTW (=F3) of your vehicle. Set the weight to the upper or lower limit in ten kg increments to comply with current regulations in relation to weight classes.



Weight

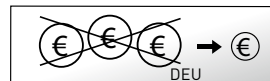
4. Enable or disable tolling. (IF EXEMPTION)

Before taking to the road, check the OBU's configuration. Tolling is enabled by default. The "DEU" service is shown on the main screen.

EXEMPTION: You can disable tolling if you have an official exemption. Illegal enabling or disabling incurs your liability in respect of the German toll charger.



Tolling on



Tolling off

SPECIFIC REGULATIONS IN ITALY

Territory coverage:

Passango OBU is available on every motorway in Italy, excepted the following: A3 Salerno Pompei Napoli, Sicily.

This list of exceptions will soon change. We will keep you updated.

Dedicated e-tag lane:



Legal speed limit:



To prevent the OBU from malfunctioning during payment, it is extremely important to have only one OBU switched on and authorised for use with tolls in Italy.

There are 3 types of tolling system in Italy:

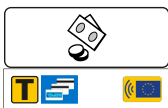
- Closed system: in this case, the journey involves transit in lanes that channel vehicles to an entry station and then an exit station where the toll is collected.
- Semi-closed system: in this case, the journey involves transit in lanes that channel vehicles to a single toll station.
- Open system: also known as free-flow multilane systems, the journey involves transit under a toll gantry, without stopping at any barriers/toll booths

What do you do if the unit does not work at the entrance (when passing through a closed system)?

At the entrance, you will have to take a ticket, or request assistance from the service staff. Do not get out of your vehicle: use the assistance button if needed.

If you take a ticket at the entrance, you will have to use it at the exit, and you have 2 ways to pay:

- Using your OBU is the most straightforward in the lane that accepts the OBU, as well as payment by cash or card
- Payment by cash or card, in the appropriate lanes:



If you did not take a ticket at the entrance, please refer to the following case (closed system case).

SPECIFIC REGULATIONS IN ITALY

What do you do if the unit does not work at the exit (on a closed system)?

You will have to request assistance from the service staff, using the assistance button without getting out of the vehicle.

The service staff may accept the entrance declaration and you will be able to pay with the accepted payment methods or you can take an RMPP ticket ("Rapporto di Mancato Pagamento del Pedaggio" - Unpaid toll report).

You will then have to send the RMPP ticket to your AS24 contact.

If the entrance declaration is not verified, payment for the toll amount will be taken at another station. This could include the entrance station that is furthest away.

What do you do if the unit does not work at the gate (on a semi-closed system)?

You will have to request assistance from the service staff, using the assistance button without getting out of the vehicle.

If your lane accepts cash or card payments, you can pay in the lane, or take an RMPP ticket ("Rapporto di Mancato Pagamento del Pedaggio" - Unpaid toll report).

You will then have to send the RMPP ticket to your AS24 contact.

Point of attention when using Open systems/Free-Flow Multilane systems

If the OBU malfunctions and a transaction is missed (no beep from the OBU), these systems still allow you to drive on motorways. Payment can be taken by reading your vehicle registration number and associating it with your contractual position, provided it is valid on the transit date. It is therefore essential to update your vehicle's registration number via your customer website promptly in the event of any changes.

SPECIFIC REGULATIONS IN SWITZERLAND & LIECHTENSTEIN

1/ Activate the Swiss toll domain (CHE) outside the territory

The OBU must have the CHE toll domain **activated before entering** Switzerland-Liechtenstein territory and maintain it until exit. The CHE toll domain must not be activated if the truck is already in the territory, the truck must leave beforehand.

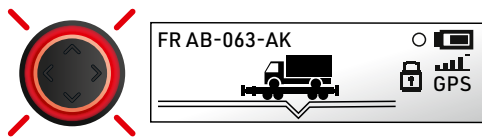
The CHE toll domain **must not be deactivated** throughout the stay in the territory.

2/ Maintain the association with the same vehicle in the territory

The **vehicle linked to the OBU must not change** throughout the stay in the territory.

3/ Truck On Train

The OBU is configured to **automatically deactivate tolling (Tolling off)** when the truck is transported on a train. When the OBU detects that a truck is entering the «truck-on-train» corridor at Novara (Italy) or Freiburg im Breisgau (Germany), an information beep is emitted. The default screen displays a «truck-on-train» symbol instead of the number of axles, and the central button is flashing red (because tolling has been deactivated).



When exiting the train, the driver must ensure that the OBU turns green again. If the train exit is not automatically detected, the driver must cancel the tolling off (by switching it back to On) to comply with regulations within Swiss territory.

Warning indicators

✗ Non operational



No GPS signal

Your OBU is not receiving a GPS signal. For good GPS reception, drive in an open area, away from any tunnels, buildings, forests or warehouses... Note: on a Belgian or German road network, prolonged absence of GPS reception will be indicated by the unit flashing red.



Defective OBU

Your OBU is defective but toll domains with barriers system are still operational.

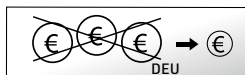


Blocked OBU

When the OBU has been commercially blocked or is defective, all subscribed tolls domains are shown crossed out.



Tolling on



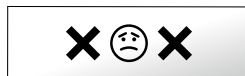
Tolling off

When tolling for Germany is disabled. For exempt vehicles in Germany, it is possible to have DEU tolling disabled. The DEU toll domain is shown crossed out and the navigation button flashes red.



Inactive OBU

Your OBU is awaiting customisation. Hold down the top button to commence activation. The telecom display at the bottom right of the screen should have a "V" symbol at the end. If it does not, start again.



The OBU has an unidentified technical problem, contact AS24 Truck Assistance.



The contract associated with your OBU has unidentified anomalies, contact your Fleet Manager.

What to do in the event of...?

In the event of loss or theft → call TRUCK ASSISTANCE 24/7 to block your on-board unit.

In the event of your OBU being defective → contact your support call TRUCK ASSISTANCE 24/7 and get a temporary toll solution for the country in which you are driving until you receive your new PASSango OBU.

(Please note the regulatory deadlines in each country)

In the event of your OBU flashing red → call TRUCK ASSISTANCE 24/7 to assess the situation and discuss possible options.

AS 24 TRUCK ASSISTANCE 24/7



Cost of a local call

If you need to return the OBU _____



1. Disconnect your OBU from the connector located on the power cable along the windscreen.



2. Unclip the OBU from its base.



3. Place it in its original packaging or a container of the same type.



4. Send the package containing the OBU to the following address or to your AS 24 local contact.

ESAT CATOUEST (PASSANGO AS 24)
12 RUE BOBBY SANDS - CP 3213
44805 SAINT-HERBLAIN cedex - FRANCE

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