

PASSango



USER GUIDE

& what you need
to know to comply
with tolls regulations



Discover

Initialize

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Tolls use

 Driving regulations
GERMANY

 Driving regulations
ITALY

Warning indicators

In case of breakdown

OBU MAIN SCREEN



1 Country and License Plate Number

2 Power source
 ○ ○ fuse box

3 Battery status

4 State 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

Note that the OBU does not beep
 at tolls 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 trip pay attention to the official regulations of each country. For any question please contact your dedicated contact.

Initialize

1 STARTING THE OBU

1. Once your OBU connected, the automatic initialization procedure starts (around 2 min).



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



2 CHECK UP

With the high/low navigation button go 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 : Running
LOW : Plug the OBU
ERROR : Internal battery unplugged

MOVEMENT :

WHEN IGNITION IS ON

ON : Engine on
OFF : Engine off

WHEN IGNITION IS OFF

ON : Detected movement
OFF : Undetected movement

* Cf connection requirements.

** Your OBU is only connected with 2 wires or to the cigar lighter, please respect the connection to your vehicle's fuse box with the 3 wires.

Check list

The navigation button is green



Licence Plate Number corresponds to the driving vehicle.



Device is connected to fuse box.



GSM reception level shows at least one bar.



The satellite reception must appear without being crossed out.



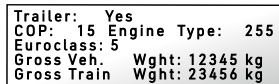
Number of axles corresponds to the driving vehicle.

* In Germany, the up axles are counted.



Subscribed toll domains are displayed and not crossed out.

Over 6, the Toll Domains are displayed by pressing the down navigation button.



From information screen «i», access to the setting screen and check vehicle information.



▶ If you have the geolocation offer, T&T appears on the screen.

Check list

UPDATE OF NUMBER OF AXLES



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

The number of axles displayed on the main screen must be equal to the number of the unraised axles of the driving vehicle (train vehicle + trailer). **Warning for Germany Toll Domain : the up 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 axles possible and select the correct one.



Tolls use

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

- ▶ Take the road without height limit.
- ▶ Respect the road signs and the **safety** rules.

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 meters with 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.

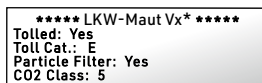
(1) Motorways in France, Spain, Portugal, Italy Liefkenshoek tunnel in Belgium and Øresund and Storebælt bridges in Sweden and Denmark.



Driving regulations

SPECIFIC REGULATIONS IN GERMANY

1. Check vehicle information.



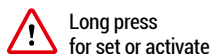
* depends on the version

2. Set the correct number of axles for

German regulation :

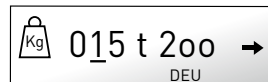
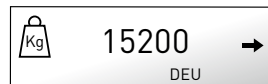
unraised + raised axles of the vehicle (train vehicle + trailer)

Access to the setting menu using up/down navigation button. Validate correct digits by pressing 2 seconds on the right button :



3. Set vehicle 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 at the upper or lower limit of the hundred kg to comply with current regulations in relation to weight classes.



Weight

4. Activate and deactivate the tolling. (IF EXEMPTION)

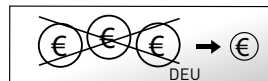
Before to hit the road check the OBU configuration. The tolling is on by default.

The « DEU » service is shown on the main screen.

EXEMPTION : You can deactivate the tolling if you have an official exemption. Illegitimate activation or deactivation involve your own responsibility towards the German Toll Charger.



Tolling on



Tolling off

Driving regulations

SPECIFIC REGULATIONS IN ITALY

Territory coverage:

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

This exception list shall evolve soon. Keep updated.

Dedicated e-tag lane:



Legal speed limit :



To avoid OBU malfunctioning during the payment it is extremely important having only one OBU switched on and authorized for tolls in Italy.

In Italy, you have 3 types of tolling systems:

- Closed systems: in this case, the journey is characterized by transit on lanes channeled to an entry station and an exit station where the toll is collected.
- Semi-closed systems: in this case, the journey is identified by transit on lanes channeled to a single toll station.
- Open systems: also called Free-Flow Multilane system, the journey is identified by transit under toll gantry, without stopping in any barriers/toll booths

What do you do if the unit does not work at the entrance (closed systems case) ?

At the entrance, you will have to take a ticket, or ask for assistance of the service staff. Do not get off your vehicle and use the assistance button if needed.

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

- Using your OBU is the simplest way, in the lane accepting the OBU and cash or card payment

- Paying by cash or card, in the appropriate lanes:



If you did not get the ticket at the entrance, please refer to the following case (closed systems case).

SPECIFIC REGULATIONS IN ITALY

What do you do if the unit does not work at the exit (closed systems case) ?

You will have to ask for assistance of the service staff, using the assistance button without getting off the vehicle.

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

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

If the entrance declaration is not verified the toll amount will be charged from another station, including the most far entrance station.

What do you do if the unit does not work at the gate (semi-closed systems case) ?

You will have to ask for assistance of the service staff, using the assistance button without getting off the vehicle.

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

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

Point of attention on the Open systems/Free-Flow Multilane system

In case of OBU malfunctioning and missing the transaction (no beep from the OBU), these systems allow you anyway to drive the motorways, and the payment takes place by reading your plate number and association with your contractual position valid at the transit date. In the event of changes, it is thus essential to promptly update your vehicle's plate number via your customer website.

Warning indicators

✗ Non operational



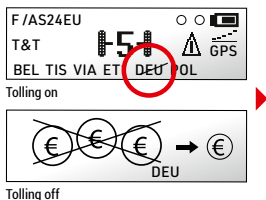
Your OBU does not receive the GPS signal. For a good GPS reception drive to open area outside tunnel, building, forest, warehouse... Note: in a Belgian or German road network, the prolonged absence of GPS will be noticed in flashing red.



Your OBU is defective but Toll Domains with barriers system are still operational.



When the OBU is commercially blocked or defective, all subscribed Tolls domains appear crossed out.



When Tolling for Germany is deactivated For exempted vehicles in Germany, it is possible to get the DEU tolling off. The Toll Domain DEU appears crossed out and the navigation button is flashing red.



Your OBU is waiting to be personalised. Hold down the top button to start activation. The telecom display at the bottom right of the screen should end with the V symbol. If not, start again.



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



The contract linked to your OBU has unidentified anomalies, contact your Fleet Manager.

What to do in case of... ?

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

In case of defective OBU → contact your support call TRUCK ASSISTANCE 24/7 and get a temporary toll solution for the country you are driving in while awaiting the reception of your new PASSango OBU.

(Please note the regulatory deadlines in each country)

In case of red button on the OBU → call TRUCK ASSISTANCE 24/7 to assess your situation and possible options.

AS 24 TRUCK ASSISTANCE 24/7



No surcharged 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 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