

Installation



IMPORTANT: the texts shown in the pictograms are shown in English as standard. The texts actually displayed on the OBU correspond to the language set.

-
- Remove the sticker on the backside!
- Place the device like indicated on the picture!
- Press the OBU for a couple of seconds against the window.
- Please note: the OBU must be kept plugged in on electricity at all times!

OR

Red	+12V/+24V power
Black	+12V/+24V power
White	earth

First Switch on

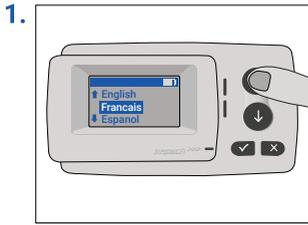
- shielded bag

Old OBU

If you have a device for the same tolling country, please remove it and put it into the bag of your OMV Smart Europe device.
- After the first switch-on the OBU requests a couple of settings, such as the operation language, the actual number of axes and weight. Upon completion this please check the LPN shown on the display!
-
-
-
- AB AB 12

For an overview of the OBU menu structure and navigation of the unit please refer to the chapter "Operation"

Select Language

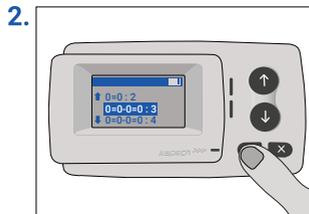


Set axles



Please note, that lifted axles count as well!

Please make sure to always select the **actual** and correct number of axles **before your trip starts**.



0=0 : 2



0=0 : 3



0=0 : 4



0=0 : 5+



0=0=0 : 3



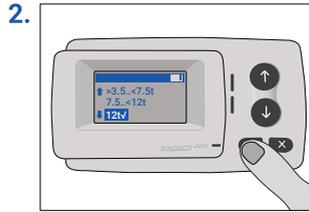
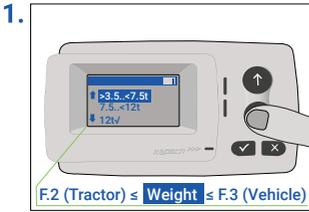
0=0=0=0 : 4



0=0=0=0 : 5+

Set weight

Please make sure to always select the correct weight **before your trip starts**.



F.2 (Tractor)

+



F.2 (Trailer)

=



Weight

Check Registration



After completing the above settings the Main Menu is displayed. The OnBoard Unit may not be used in a vehicle whose registration is different from the one shown on the screen. Make sure the registration displayed in the Main Menu matches that of the vehicle. If not, contact your service provider and have the serial number of the unit ready (can be found in the submenu OBU-Status – Serial #).

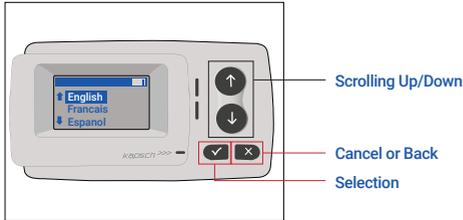
Networks



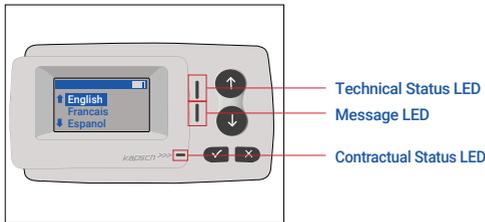
Please note, that only the networks are visible which have been activated for your device!

Operation

CONTROLS



LEDs



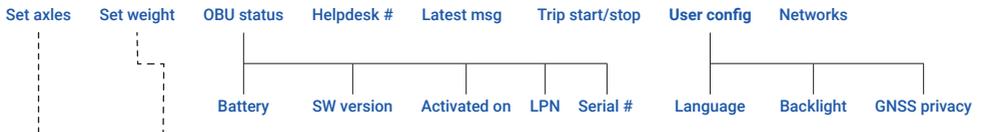
LED states



Meaning of LED states

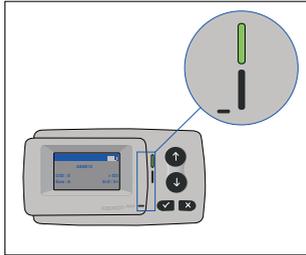
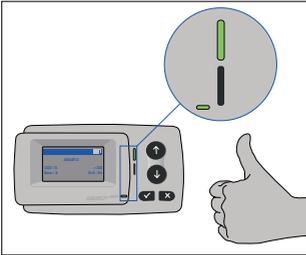
- The Technical status LED can be either green, red or blinking green.
- The Message LED is either white or „OFF“.
- The Contractual Status LED can be either green or red.
- The green color indicates a normal operational mode.
- The blinking green color indicates a warning. A message is displayed as an indication of what the problem might be. Please refer to the chapter „Error Codes“.
- The red color indicates an error. A message is displayed as an indication of what the problem might be and/or support contact information.

MENU OVERVIEW

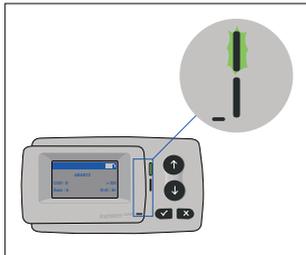
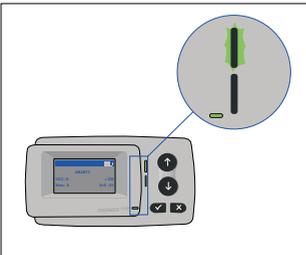
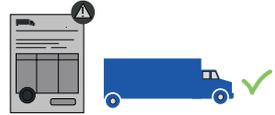


Indications

WHITE „Message“ LED -> zone or service message, please check menu „latest msg“ to read it
 RED LED „Contract & technical“ -> if one of these LEDs turns red, please STOP driving and call your local service provider to investigate the error

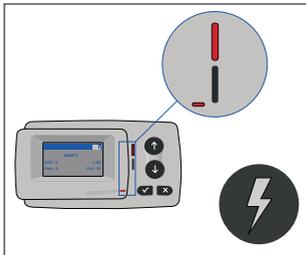
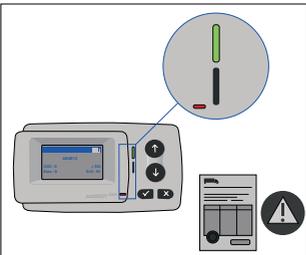


OK



Warning

There is a notification, PLEASE CHECK MENU „latest msg“ for messages and error codes!



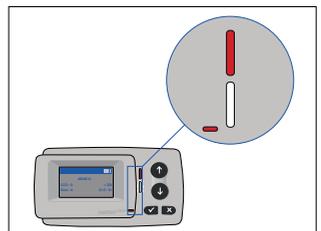
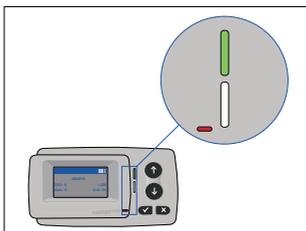
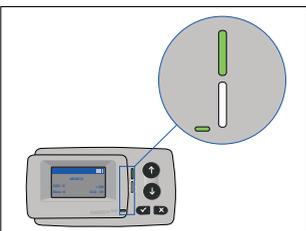
Please call your service provider

Contractual ERROR

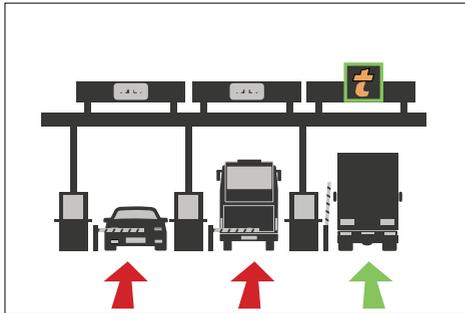
Technical ERROR

Warning:

There is a notification, PLEASE CHECK MENU „latest msg“ for messages and error codes !



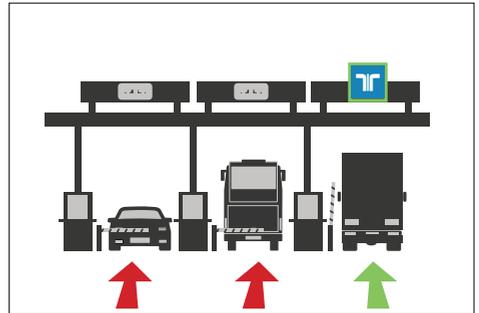
Which lane to use in France?



Depending on traffic conditions and the toll plaza:

- When entering a toll section, use the lanes identified with a or with no height restriction.
- When leaving a toll section, use the or lanes.
- Note: lanes are reserved for class 4 HGVs.
- No-stopping toll lanes for both cars and HGVs are identified with .

Which lane to use in Spain?



Depending on traffic conditions and the toll plaza:

- Please follow the signs as pictured here.
- Lanes for special vehicles (e. g. light vehicles) may not be used of course. Please adjust your speed according the instructions on the highway!
- The lanes for heavy good vehicles (HGV) may be found on the right hand side.

France & Spain

In case of communication failure of the barrier, remove your OBU from the brackets and use the manual scanning possibility at the back of the device.



Terms of use and safety instructions

Normal use:

- This device is intended for operation in connection with the tolltickets central system inside EU and the EEA countries which operates toll systems in accordance with Directives 2004/52/EC and 2009/750/EC.
- The device is suitable for being used inside a driver's cab of a road vehicle.
- Installation has to be carried out only on the inside of the windscreen in accordance with the specifications in this installation and operating instruction.
- Permitted ambient conditions are -25°C - $+85^{\circ}\text{C}$ and a relative humidity of max. 95%



Safety instructions:

- Only interact with the unit while the vehicle is stopped. The buttons are non-operational at a speed of 10 km/h and above.
- Do not manipulate the device and do not attempt to open it.
- **Do not immerse the device in liquids and protect it from rain and splashing water.**
- Do not use the device if it is visibly damaged or defective.
- **Do not use the device if any liquids have penetrated or if liquids leak out.**
- **In the case of use of a fixed connection to the power supply of the vehicle, the installation shall be carried out by technically suitable persons, e.g. in a workshop.**
- Mount the device only on the inside of the windscreen and never outside of the vehicle.
- Keep the device away from children.

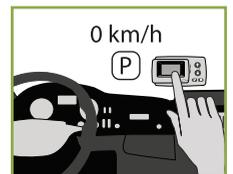
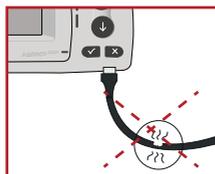
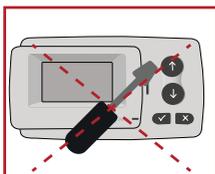
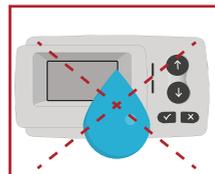
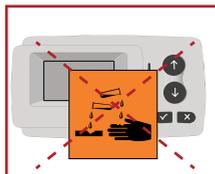
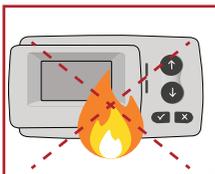
Disposal:



- Please do not dispose this product in the household waste after use. Return it to tolltickets. tolltickets GmbH - Kaiserstrasse 28, 83022 Rosenheim, Germany

Declaration of conformity:

- **The device complies with the relevant and applicable standards and legal regulations. An up-to-date Declaration of Conformity can be found and obtained under: www.tolltickets.com/downloads**



Error Codes

Error Code	Error type	Action	Driving?
10000 10009 10010 10011 10022 11000 12001 13001 20034 20035	Technical error	The OBU cannot be used for paying tolls in this state. Please use other means to pay tolls! Please call your service partner for OBU replacement.	NO
1002	Device manipulated	The OBU cannot be used for paying tolls in this state. Please use other means to pay tolls! Please call your service partner for OBU replacement.	NO
1031	Toll Domoain error	The OBU cannot be used for paying tolls in this state for THIS TOLL DOMAIN! (Possible reason missing subscription for this specific toll domain or a failure in the configuration). Please use other means to pay tolls! Please call your service partner for advice.	NO
10003	DSRC battery low	The OBU can still be used for toll payments in this state. However, OBU needs replacement. Please call your service partner for replacement	YES.
10006	Main battery empty	The OBU cannot be used for paying tolls while the battery is empty. Plug in on charger and restart the OBU before starting your trip. Please keep your OBU on electricity AT ALL TIMES! When the battery is loaded and no more error, you may use the OBU again.	YES, after restart
10018	Central system connection failed	Please get to a location with GSM coverage and wait up to 30 minutes. Make sure to always move the OBU to prevent from sleep modus. In case the warning disappears, you can use the OBU if NOT, please call your service partner for advice.	Only if no more error visible
10020	Operational temperature range exceeded	Please temporarily remove the OBU from the windscreen to protect it from sun! In case the error state disappears you can use the OBU; if NOT, the OBU cannot be used for paying tolls , you need to use a different payment method for tolling!	Only if no more error visible

Error Code	Error type	Action	Driving?
10021	Central System connection failed - persistent	Please get to a location with GSM coverage and wait up to 30 minutes. Make sure to always move the OBU to prevent from sleep modus. In case the warning disappears, you can use the OBU if NOT, please call your service partner for advice.	Only if no more error visible
11003	GPS signal not continuous	Please get to a location with GPS coverage and wait up to 15 minutes. Make sure to always move the OBU to prevent from sleep modus. In case the warning disappears, you can use the OBU if NOT, please call your service partner for advice.	Only if no more error visible
11004	GPS signal not continuous	Please get to a location with GPS coverage and wait up to 30 minutes. Make sure to always move the OBU to prevent from sleep modus. In case the warning disappears, you can use the OBU if NOT, please call your service partner for advice.	Only if no more error visible
12003	GSM no communication to network	Please get to a location with GSM coverage and wait up to 15 minutes. Make sure to always move the OBU to prevent from sleep modus. In case the warning disappears, you can use the OBU if NOT, please call your service partner for advice.	Only if no more error visible
12004	GSM no communication to network - persistent	Please get to a location with GSM coverage and wait up to 30 minutes. Make sure to always move the OBU to prevent from sleep modus. In case the warning disappears, you can use the OBU if NOT, please call your service partner for advice.	Only if no more error visible
20026	Battery low indication raised	The OBU cannot be used for paying tolls while the battery is empty. Plug in on charger and restart the OBU before starting your trip. Please keep your OBU on electricity AT ALL TIMES! When the battery is loaded and no more error is shown, you may use the OBU again.	Only if no more error visible
20037	Banned OBU	The OBU cannot be used for paying tolls in this state! Please use other means to pay tolls! Please call your service partner for advice.	NO