

OMNICOMM ONLINE NEW PROFILE

LARGE-SCALE UPDATE

OMNICOMM

Integration of the Conversion Server
into Omnicomm Online

Enhanced Object Profile
Configuration Options

Expanded API Functionality



PROFILE CREATION

1

XML not necessary

Just click «Add»

Conversion Sever is not needed

XML Import/Export remains

The screenshot displays the OMNICOmm ONLINE web application. The top navigation bar includes the 'Vehicles' menu and a search bar labeled 'Find a vehicle...'. Below this, there are buttons for 'VH profile', 'Add', and 'Data re'. The main content area is titled 'Adding a VH profile' and contains a form with the following fields:

- Vehicle name ***: A text input field with the placeholder 'Vehicle name'.
- Type of terminal ***: A dropdown menu with the placeholder 'Type of terminal'.
- Server port**: A text input field with the placeholder 'Server port'.
- Factory No. ***: A text input field with the placeholder 'Factory No.'.
- Group**: A label indicating the vehicle is not assigned to any group, with a prompt to 'Select group for the editing VH'.

At the bottom of the form, there are three buttons: 'Save and go to settings', 'Save', and 'Cancel'.

PROFILE CONFIGURATION

OMNICOMM

2

3 profile sections:

Profile

Parameter settings

Monitoring

← Vehicle name

Profile

Parameter settings

Monitoring

▼ Terminal

PROFILE CONFIGURATION

3

Profile

The section contains settings related to the monitored object

- Information about the vehicle
- Threshold settings
- Calibration tables
- Fuel parameters
- Other sub-sections

The section has been updated and the settings have been arranged

← Vehicle name

Profile

Parameter settings

Monitoring

▽ Terminal

▽ Vehicle:

▽ Movement

▽ Engine

▽ Fuel parameters

▽ Editing the calibration tables

▽ Settings for universal inputs:

▽ Safe Driving

▽ Setting the initial values for Maintenance control

▽ Driver Assignment for the Vehicle

▽ Temperature sensor settings

PROFILE CONFIGURATION

OMNICOMM

3

Parameter Settings

The section contains settings of methods of calculation of various parameters based on data from GPS-trackers (terminals).

The flexibility of settings provided by the Conversion Server is now also available for Omnicomm GPS-trackers, and a number of completely new calculation methods have been extended and added.

← Vehicle name

Profile

Parameter settings

Monitoring

▼ Terminal

▼ System flags

▼ Various parameters

▼ Universal inputs

▼ Navigation data

▼ Fuel level sensor

▼ CAN data

▼ Data of MODBUS user parameters

▼ Data of CAN user parameters

PROFILE CONFIGURATION

OMNICOMM

4

Monitoring

This section contains information about the data received by the server from the GPS-tracker.

This section is used to analyse the incoming messages and select the necessary calculation methods in the parameter settings.

Discrete input 9	true
GPS altitude, m	105
GPS data accuracy	false
GPS direction, degrees	120
GSM signal level	100
iButton Code	0004030201000000
iButton/RFID Code	00ddccbbaa000000
Ignition	true
Latitude	41.317301
LLS1 Level	0
LLS2 Level	222
LLS3 Level	333
LLS4 Level	444
LLS5 Level	4095

NEW CONFIGURATION SPECIFICS

OMNICO MM

Enhanced CAN Parameter Configuration

You can now configure the receiving, processing and view of any CAN parameters received from the GPS-trackers.

You can also select these data as sources for standard parameters.

^

CAN-2

Parameter name *

SPN number *

Offset (bit)

Length (bits) *

Type of value before conversion *

Type of value after conversion *

Minimum value *

Maximum value *

Coefficient *

Offset *

Number of symbols after a coma

^

CAN-3

Parameter name *

SPN number *

Offset (bit)

Length (bits) *

Type of value before conversion *

Type of value after conversion *

Minimum value *

Maximum value *

Key	Value
0	S mode
1	H mode
2	L mode
3	B mode

+ -

NEW CONFIGURATION SPECIFICS

OMNICO

User parameters

Some models of GPS-trackers can send user-defined parameters

You can now configure them to be processed and selected as a data source for other parameters

These parameters can also be displayed in the Log report

^

User parameter-2

ID *

21475295232

Parameter name *

Can speed

User parameter number *

0

Type of value before conversion *

unsigned integer (4 byte) ▼

Byte and word order *

Direct byte and word order ▼

Type of value after conversion *

integer ▼

Minimum value *

0

Maximum value *

300

Coefficient *

1

Offset *

0

NEW CONFIGURATION SPECIFICS

OMNICO MM

Custom MODBUS

Now you will be able to configure the receiving, processing and displaying of custom MODBUS parameters received from the GPS-trackers.

You can also select these data as sources for standard parameters.

MODBUS-2

ID *

16973834

Parameter name *

rpm counter

Address *

1

Function *

Holding Registers

Register *

10

Byte and word order *

Direct byte and word order

Type of value before conversion *

long

Type of value after conversion *

integer

Minimum value

0

Maximum value

10000

Coefficient

1

Offset

0

NEW CONFIGURATION SPECIFICS

OMNICO MM

Fuel level sensors configuring

It is now possible to combine data sources for fuel level sensors from LLS, custom parameters, CAN, MODBUS and universal inputs

^ Fuel level sensor

^

Fuel level sensor 1

Calculation method

Determining method for the fuel level sensor condition

Level is 0

Level above 4095

^

Fuel level sensor 2

Calculation method

Bottom value

Peak value

Determining method for the fuel level sensor condition

Level is 0

NEW CONFIGURATION SPECIFICS

OMNICO MM

Universal inputs configuring

You can select from LLS data as well as custom CAN and MODBUS data as a source of data for the UI

UI settings in the profile can now be changed without editing XML

Universal input 1	Universal input 2	Universal input 3
Calculation method Analog input 1	Calculation method LLS2 Level	Calculation method Modbus 1

NEW CONFIGURATION SPECIFICS

OMNICO MM

RPM configuring

As a source of data for Revolutions per Minute you can select data from sensors working in Omnicomm LLS, CAN, Modbus protocol, or custom parameters

The screenshot displays the RPM configuration interface. At the top, the label 'RPM' is centered. Below it, the 'Calculation method' dropdown menu is open, showing a list of options: 'Discrete input 1' (highlighted), 'LLS16 Level', 'LLS17 Level', 'LLS18 Level', 'Modbus 1', 'CAN: SPN190 setting', 'User setting 1' (highlighted), 'User setting 2', 'Always 1000 r/min', and 'Always 0'. To the left of the dropdown, the text 'Calculation method' is visible. Below the dropdown, the text '1 V conversion factor' is visible. The interface is set against a light gray background with orange accents.

NEW CONFIGURATION SPECIFICS

OMNICOMM

Ignition configuring

You can select data from sensors operating in Omnicomm LLS protocol or universal inputs as a data source for ignition detection

The screenshot displays the 'Ignition Flag' configuration window. It features a 'Calculation method' dropdown menu that is currently open, showing a list of options: 'Main power supply, V', 'Discrete input 3', 'Discrete input 4', 'Discrete input 5', 'Discrete input 6', 'Ignition Flag', 'LLS1 Level', 'LLS2 Level', 'LLS3 Level', and 'LLS4 Level'. The 'Main power supply, V' option is selected. Below the dropdown, there are fields for 'Threshold value, V' and 'Invert'. The background shows other configuration sections like 'Various parameters' and 'Calculation method'.

NEW CONFIGURATION SPECIFICS

OMNICO MM

Import/Export profile settings

For complicated profiles, it is possible to create setting templates that can be exported and applied to similarly tuned objects

← Vehicle name

Profile

Parameter settings

Monitoring

Import Export

API FUNCTIONALITY

OMNICOMM

New methods of work with the profile

Now with the API you will be able to:

- Get details about profile settings
- Update specific profile settings
- Create a profile
- Get the list of GPS-tracker types used in methods

GET	/ls/api/v1/vehicles/profile/{id}	Get the vehicle profile	   
PUT	/ls/api/v1/vehicles/profile/{id}/update	Update vehicle profile settings	   
POST	/ls/api/v1/vehicles/profile/create	Create vehicle profile	   
GET	/ls/api/v1/vehicles/terminals/types	List of GPS-tracker (terminal) types	   

API FUNCTIONALITY

OMNICOMM

Managing profile via API

- Change the name
- Change thresholds
- Change calibration tables
- Change settings

Automation and integrations are much more convenient!

Request body **required**

Example Value | Schema

```
▼ {  
  terminal > {...}  
  vehicle > {...}  
  movement > {...}  
  engine > {...}  
  mainTank > {...}  
  deliverySensors > {...}  
  additionalTank > {...}  
  univInputs > [...]  
  calibrationTables > [...]  
  safeDriving > {...}  
  reader > {...}  
  iqFreeze > {...}  
}
```

UPGRADE ANNOUNCEMENT

OMNICOMM

Key points

- The conversion server will be shut down at the time of publishing
- All existing profiles will be migrated with all settings intact
- Notification of the upgrade date in a few days before the upgrade takes place
- Any questions about the preparation and details of the upgrade at borzov@omnicomm.ltd & support@omnicomm-world.com



**WISHING YOU A SUCCESSFUL
AND PRODUCTIVE WORK WITH
OMNICOMM**