# get_pos.php

Returns position data for the requested vehicle or vehicle group.

If no start and end are given, current position will be returned.

## Description

GET **get_pos.php?company**=*COMPANY_RTIKEY*&**vehicle**=*VEHICLE_RTIKEY*&**start**=*YYYYMMDDHHMMSS*&**end**=*YYYYMMDDHHMMSS*&***format***=*csv*

## Parameter

| Parameter | Description | Type | Note | Mandatory |
|---|---|---|---|---|
| company | RTI company key | string | | yes |
| vehicle | RTI vehcile key | string | vehicle or group parameter | (yes) |
| group | RTI group key | string | vehicle or group parameter | (yes) |
| start | begin of requested timerange | datestring | Format: YYYYMMDDHHMMSS | no |
| end | end of requested timerange | datestring | Format: YYYYMMDDHHMMSS | no |
| query_date | date at which the respective position is to be displayed | datestring | Format: YYYYMMDDHHMMSS | no |
| format | return format | string | csv (default) or xml | no |
| date_query | set the date reference for request | string | 'insert' (default) = get bookings by processing time<br><br>'gps' = get booking by booked date and time | no |
| additionaldata | additional params to gather certain additional information | string | 'temp' gathers the values of digital temperature inputs 1 to 8 and analogue temperature inputs 1 to 4 | no |
| hide_display | hides messages from the display | int | • 0 (Standard) = display messages are also output<br>• 1 = display messages are not output | no |

## Return

Return a **string**. In case of error it returns "**ERROR:Description**".

### CSV Format

#### Meta informations

| | |
|---|---|
| **Separator** | semicolon ( ; ) |
| **Delimiter** | double quote ( " ) |
| **Line break** | 0x0D 0x0A (CarriageReturn LineFeed) |
| **Header** | line 1 |

#### Columns

| Column | Description | |
|---|---|---|
| VEHICLE | vehicle licence | |
| DATE | GPS date of message creation | Format: YYYY-MM-DD HH:MM:SS |

| | | |
|---|---|---|
| LAT | Latitude | Example.: 51.03659 |
| LON | Longitude | Example.: 13.59967 |
| POS | adress text | |
| DIR | direction in grade | 0=North, 90=East |
| SAT | Anzahl Satelliten | |
| SPEED | speed in full km/h | |
| IGN | ignition state | 0 = off, 1 = on, , null = undefined |
| REASON | reason of the message | |
| KM | odometer value in full km | |
| INSERTDATE | Date when the message was processed in the data center | Format: YYYY-MM-DD HH:MM:SS |
| UTCDATE | UTC date of message creation | Format: YYYY-MM-DD HH:MM:SS |
| DRIVER | name of logged in driver | |
| CUSTOMER | customer name | in case of a possible customer position allocation |
| DRIVER_KEY | driver key | |
| ETA_TIME | estimated time of arrival at navigation target | Format: YYYY-MM-DD HH:MM:SS |
| ETA_DIST | estimated time of arrival at navigation target in kilometer | |
| ETA_DUR | estimated duration of arrival at navigation target in seconds | |
| ETA_LAT | Latitute coordinate of navigation target | Bsp.: 51.03659 |
| ETA_LON | Longitude coordinate of navigation target | Bsp.: 13.59967 |
| ETA_DESC | customer allocation of navigation target | in case of a possible customer position allocation |
| BSZ1 | operation time counter 1 | value in full minutes |
| BSZ2 | operation time counter 2 | value in full minutes |
| DRIVER2 | name of logged in co-driver | |
| DRIVER_KEY2 | co-driver key | |
| D_INPUT_1 | Digital Input 1 Value | 0 = off 1 = on |
| D_INPUT_2 | Digital Input 2 Value | 0 = off 1 = on |
| D_INPUT_3 | Digital Input 3 Value | 0 = off 1 = on |
| D_INPUT_4 | Digital Input 4 Value | 0 = off 1 = on |
| D_INPUT_5 | Digital Input 5 Value | 0 = off 1 = on |
| D_INPUT_6 | Digital Input 6 Value | 0 = off 1 = on |
| D_INPUT_TEXTSTATE_1 | Digital Input 1 Textstate | Inputname and state separated by "@" Bspw. "Tür@offen", is only filled if the input is active |
| D_INPUT_TEXTSTATE_2 | Digital Input 2 Textstate | Inputname and state separated by "@" Bspw. "Tür@offen", is only filled if the input is active |
| D_INPUT_TEXTSTATE_3 | Digital Input 3 Textstate | Inputname and state separated by "@" Bspw. "Tür@offen", is only filled if the input is active |
| D_INPUT_TEXTSTATE_4 | Digital Input 4 Textstate | Inputname and state separated by "@" Bspw. "Tür@offen", is only filled if the input is active |
| D_INPUT_TEXTSTATE_5 | Digital Input 5 Textstate | Inputname and state separated by "@" Bspw. "Tür@offen", is only filled if the input is active |
| D_INPUT_TEXTSTATE_6 | Digital Input 6 Textstate | Inputname and state separated by "@" Bspw. "Tür@offen", is only filled if the input is active |

| | | |
|---|---|---|
| RTI_IDENT | RTI Ident | |
| PRIVFLAG | Private drive mode | 0 = off / 1 = on |

### Additional columns

the following columns are only supplied if an additional parameter is specified:

| Parameter | Column | Description |
|---|---|---|
| temp | DIGITAL_TEMPERATURE_1 | value of digital temperature input 1 |
| | DIGITAL_TEMPERATURE_2 | value of digital temperature input 2 |
| | DIGITAL_TEMPERATURE_3 | value of digital temperature input 3 |
| | DIGITAL_TEMPERATURE_4 | value of digital temperature input 4 |
| | DIGITAL_TEMPERATURE_5 | value of digital temperature input 5 |
| | DIGITAL_TEMPERATURE_6 | value of digital temperature input 6 |
| | DIGITAL_TEMPERATURE_7 | value of digital temperature input 7 |
| | DIGITAL_TEMPERATURE_8 | value of digital temperature input 8 |
| | DIGITAL_TEMPERATURE_1_SET_POINT | set point of digital temperature input 1 |
| | DIGITAL_TEMPERATURE_2_SET_POINT | set point of digital temperature input 2 |
| | DIGITAL_TEMPERATURE_3_SET_POINT | set point of digital temperature input 3 |
| | DIGITAL_TEMPERATURE_4_SET_POINT | set point of digital temperature input 4 |
| | DIGITAL_TEMPERATURE_5_SET_POINT | set point of digital temperature input 5 |
| | DIGITAL_TEMPERATURE_6_SET_POINT | set point of digital temperature input 6 |
| | DIGITAL_TEMPERATURE_7_SET_POINT | set point of digital temperature input 7 |
| | DIGITAL_TEMPERATURE_8_SET_POINT | set point of digital temperature input 8 |
| | ANALOGUE_TEMPERATURE_1 | value of analogue temperature input 1 |
| | ANALOGUE_TEMPERATURE_2 | value of analogue temperature input 2 |
| | ANALOGUE_TEMPERATURE_3 | value of analogue temperature input 3 |
| | ANALOGUE_TEMPERATURE_4 | value of analogue temperature input 4 |

## Example

**return position**

```
"VEHICLE";"DATE";"LAT";"LON";"POS";"DIR";"SAT";"SPEED";"IGN";"REASON";"KM";"INSERTDATE";"UTCDATE";"DRIVER";"
CUSTOMER";"DRIVER_KEY";"ETA_TIME";"ETA_DIST";"ETA_DUR";"ETA_LAT";"ETA_LON";"ETA_DESC";"BSZ1";"BSZ2";"DRIVER2";"
DRIVER_KEY2";"D_INPUT_1";"D_INPUT_2";"D_INPUT_3";"D_INPUT_4";"D_INPUT_5";"D_INPUT_6";"D_INPUT_TEXTSTATE_1";"
D_INPUT_TEXTSTATE_2";"D_INPUT_TEXTSTATE_3";"D_INPUT_TEXTSTATE_4";"D_INPUT_TEXTSTATE_5";"D_INPUT_TEXTSTATE_6";"
RTI_IDENT";"PRIVFLAG"
"353234024326181";"2015-04-15 08:52:42";"51.03669";"13.59925";"D-01723 Wilsdruff Am Wüsteberg 3";"207";"10";"
0";"0";"Nachrichtstatus aktualisiert";"52469";"2015-04-15 08:52:57";"2015-04-15 06:52:42";"Herr Mueller";"
YellowFox GmbH";"123456";"2015-04-15 09:52:42";"12.33";"3600";"50.862247";"12.908245";"Kunde Mueller";"
1234";"";"DF1234567890";"John Who";"0";"0";"1";"0";"0";"1";"Temp Innen@aus";"Temp Aussen@aus";"";"
Pumpe@offen";"";"Hydraulik@up";"Ident1";"1"
```

## XML Format

**return position xml**

```
<?xml version="1.0" encoding="ISO-8859-1" standalone="no"?>
<!DOCTYPE yfrtiout SYSTEM "https://map.yellowfox.de/rti/dtd/yfrtiout-1.4.dtd">
<yfrtiout>
   <message>
      <vehsign>353234024326181</vehsign>
      <date>2015-04-15 08:52:42</date>
      <lat>51.03669</lat>
      <lon>13.59925</lon>
      <pos>D-01723 Wilsdruff Am Wüsteberg 3</pos>
      <dir>207</dir>
      <sat>10</sat>
      <speed>0</speed>
      <ign>0</ign>
      <reason>Nachrichtstatus aktualisiert</reason>
      <km>52469</km>
      <insertdate>2015-04-15 08:52:57</insertdate>
      <utcdate>2015-04-15 06:52:42</utcdate>
      <driver>Herr Mueller</driver>
      <customer>YellowFox GmbH</customer>
          <driverkey>123456</driverkey>
          <eta_time>2015-04-15 09:52:42</eta_time>
          <eta_dist>12.33</eta_dist>
          <eta_dur>3600</eta_dur>
          <eta_lat>50.862247</eta_lat>
          <eta_lon>12.908245</eta_lon>
          <eta_desc>Kunde Mueller</eta_desc>
      <bsz1>1234</bsz1>
      <bsz2></bsz2>
      <driver2>John Who</driver2>
          <driverkey2>DF1234567890</driverkey2>
          <digital_inputs>
                <d_in>
                        <d_nr>1</d_nr>
                        <d_name>Temp Innen</d_name>
                        <d_state>aus</d_state>
                        <d_value>0</d_value>
                </d_in>
                <d_in>
                        <d_nr>2</d_nr>
                        <d_name>Temp Aussen</d_name>
                        <d_state>aus</d_state>
                        <d_value>0</d_value>
                </d_in>
                <d_in>
                        <d_nr>4</d_nr>
                        <d_name>Pumpe</d_name>
                        <d_state>offen</d_state>
                        <d_value>0</d_value>
                </d_in>
```

```
                <d_in>
                        <d_nr>6</d_nr>
                        <d_name>Hydraulik</d_name>
                        <d_state>up</d_state>
                        <d_value>1</d_value>
                </d_in>
        </digital_inputs>
        <rti_ident>Ident1</rti_ident>
         <privflag>1</privflag>
        <digital_temperature_values>
                <d_temp>
                        <nr>1</nr>
                        <value>10.5</value>
                        <set_point>11</set_point>
                </d_temp>
        </digital_temperature_values>
        <analogue_temperature_values>
                <a_temp>
                        <nr>1</nr>
                        <value>-5</value>
                </a_temp>
        </analogue_temperature_values>
</yfrtiout>
```

## JSON Format (RFC 4627)

**return position json**


```
[
    {
        "vehsign": "353234024326181",
        "date": "2016-05-23 08:13:24",
        "lat": "51.0365",
        "lon": "13.5997",
        "pos": "D-01723 Wilsdruff (Kesselsdorf) Am Wüsteberg 3",
        "dir": "40",
        "sat": "14",
        "speed": "0",
        "ign": "0",
        "reason": "Telemetriemeldung",
        "km": "49929",
        "insertdate": "2016-05-23 08:13:41",
        "utcdate": "2016-05-23 06:13:24",
        "driver": "Herr Mueller",
        "customer": "Kunde Mueller",
        "driverkey": "12345",
        "eta_time": "2015-04-15 09:52:42",
        "eta_dist": "2015-04-15 09:52:42",
        "eta_dur": "3600",
        "eta_lat": "50.862247",
        "eta_lon": "12.908245",
        "eta_desc": "Kunde Mueller",
        "bsz1": "1234",
        "bsz2": "",
        "driver2": "John Who",
        "driverkey2": "DF1234567890",
        "digital_inputs": [
            {
                "nr": 1,
                "name": "Temp Innen",
                "state": "aus",
                "value": "0"
            },
            {
                "nr": 2,
                "name": "Temp Aussen",
                "state": "aus",
                "value": "0"
```

```
            },
            {
                "nr": 4,
                "name": "Pumpe",
                "state": "offen",
                "value": "0"
            },
            {
                "nr": 6,
                "name": "Hydraulik",
                "state": "up",
                "value": "1"
            }
        ],
                "rti_ident": "Ident1",
                "privflag": "1",
                   "digital_temperature_values": [
                        {
                                "nr": 1,
                                "value": 10.5,
                                "set_point": 11
                        }
                ],
                "analogue_temperature_values": [
                        {
                                "nr": 1,
                                "value": -5
                        }
                ]
    }
]
```


# Example calls

**current position of one vehicle**

```
https://map.yellowfox.de/rti/get_pos.php?company=COMPANY_RTIKEY&vehicle=VEHICLE_RTIKEY

https://map.yellowfox.de/rti/get_pos.php?company=COMPANY_RTIKEY&vehicle={"type":"car_ident","groupKey":"
GROUP_RTIKEY","ident":"VEHICLE_IDENT"}
```

**position of a car at a defined time range in xml format**

```
https://map.yellowfox.de/rti/get_pos.php?
company=COMPANY_RTIKEY&vehicle=VEHICLE_RTIKEY&start=20150401000000&end=20150401235959&format=xml

https://map.yellowfox.de/rti/get_pos.php?company=COMPANY_RTIKEY&vehicle={"type":"car_ident","groupKey":"
GROUP_RTIKEY","ident":"VEHICLE_IDENT"}&start=20150401000000&end=20150401235959&format=xml
```