

# get\_rs232ext.php

Returns RS-232 Data with activated RS-232 Extension

## Description

**GET** `get_rs232ext.php?company=COMPANY_RTIKEY&vehicle=VEHICLE_RTIKEY&start=YYYYMMDDHHMMSS&end=YYYYMMDDHHMMSS&format=CSV&charset=ISO-8859-1`

## Parameters

| Parameter | Description                   | Type       | Note                                                                              | Mandatory |
|-----------|-------------------------------|------------|-----------------------------------------------------------------------------------|-----------|
| company   | RTI company key               | string     |                                                                                   | yes       |
| vehicle   | RTI vehicle key               | string     |                                                                                   | yes       |
| start     | start of requested time range | datestring | format: YYYYMMDDHHMMSS<br>between start and end maximum 7 days difference allowed | yes       |
| end       | end of requested time range   | datestring | format: YYYYMMDDHHMMSS<br>between start and end maximum 7 days difference allowed | yes       |
| format    | return format                 | string     | CSV (default) or CSV_B64                                                          | no        |
| charset   | return charset                | string     | default: ISO-8859-1 (although a free defined charset code)                        | no        |

## Return

Return a **string**. In case of error "**ERROR:Description**" will be returned.

## CSV Format

### Meta data

|                       |                                     |
|-----------------------|-------------------------------------|
| <b>Delimiter</b>      | semicolon ( ; )                     |
| <b>Text delimiter</b> | double quote ( " )                  |
| <b>Line end</b>       | 0x0D 0x0A (CarriageReturn LineFeed) |
| <b>Header</b>         | line 1                              |

### Columns

| Column       | Description                           |                     |
|--------------|---------------------------------------|---------------------|
| DATE         | GPS date when measurement was created | YYYY-MM-DD HH:MM:SS |
| CAR          | vehicle licence                       | string              |
| SERIALOUTPUT | RS-232 data                           | string              |
| LAT          | Latitude                              | Example: 51.03659   |
| LON          | Longitude                             | Example: 13.59967   |

## Example

#### example in csv

```
"DATE";"CAR";"SERIALOUTPUT";"LAT";"LON"  
"2014-03-20 11:43:01";"FLT017 (T34118.0110)";"Prop.Skalning Av";"50.83012";"13.41215"  
"2014-03-20 11:43:02";"FLT017 (T34118.0110)";"Output Portt 1 Text";"50.83012";"13.41215"  
"2014-03-20 11:43:03";"FLT017 (T34118.0110)";"Farvald Tara Av";"50.83012";"13.41215"
```

## CSV Base 64 Format

### Meta data

|                |                                     |
|----------------|-------------------------------------|
| Delimiter      | semicolon ( ; )                     |
| Text delimiter | double quote ( " )                  |
| Line end       | 0x0D 0x0A (CarriageReturn LineFeed) |
| Header         | line 1                              |

### Columns

| Column       | Description                           |                     |
|--------------|---------------------------------------|---------------------|
| DATE         | GPS date when measurement was created | YYYY-MM-DD HH:MM:SS |
| CAR          | vehicle licence                       | string              |
| SERIALOUTPUT | RS-232 data                           | string              |
| LAT          | Latitude                              | Example: 51.03659   |
| LON          | Longitude                             | Example: 13.59967   |

### Example

#### return SERIALOUTPUTB64

```
"DATE";"CAR";"SERIALOUTPUTB64";"LAT";"LON"  
"2014-03-20 11:43:01";"FLT017 (T34118.0110)";"UHJvcC5Ta2FsbnluZyAgICAgQXY=";"50.83012";"13.41215"  
"2014-03-20 11:43:02";"FLT017 (T34118.0110)";"T3B1dHB1dCBQb3J0dCAXICAgICAgVG4dA==";"50.83012";"13.41215"  
"2014-03-20 11:43:03";"FLT017 (T34118.0110)";"RpRydmFsZCBuYXJhICBBdG==";"50.83012";"13.41215"
```

## JSON Format (RFC 4627)

#### Rückgabe JSON

```
[[{"date":"2022-01-24 04:22:59",
  "car":"FLT017 (T34118.0110)",
  "serialoutput":"UHJvcC5Ta2FsbmluZyAgICAgQXY=",
  "lat":"50.83012",
  "lon":"13.41215"},
{"date":"2022-01-24 04:23:01",
  "car":"FLT017 (T34118.0110)",
  "serialoutput":"T3B1dHB1dCBQb3J0dCAxICAgICAgICAgVGv4dA==",
  "lat":"50.83012",
  "lon":"13.41215"}]]
```

## Example calls

#### Request with default CSVformat and UTF-8 charset

```
https://map.yellowfox.de/rti/get_rs232ext.php?
company=COMPANY_RTIKEY&vehicle=VEHICLE_RTIKEY&start=20140320000000&end=20140321000000&charset=utf-8

https://map.yellowfox.de/rti/get_rs232ext.php?company=COMPANY_RTIKEY&vehicle={"type":"car_ident","groupKey":"
GROUP_RTIKEY","ident":"VEHICLE_IDENT"}&start=20140320000000&end=20140321000000&charset=utf-8
```

#### Request with format CSV Base 64

```
https://map.yellowfox.de/rti/get_rs232ext.php?
company=COMPANY_RTIKEY&vehicle=VEHICLE_RTIKEY&start=20140320000000&end=20140321000000&format=csv_b64

https://map.yellowfox.de/rti/get_rs232ext.php?company=COMPANY_RTIKEY&vehicle={"type":"car_ident","groupKey":"
GROUP_RTIKEY","ident":"VEHICLE_IDENT"}&start=20140320000000&end=20140321000000&format=csv_b64
```