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# 1. Overview

This API documentation is based on ANBTEK GPS tracking platform for custom UI.

# 2. API Process

Server

Login request

Client

Login response

Data 1 request

Data 1 response

....

……..

# 3. API URI

The API use http **POST** and **GET** request and the URI as following:

http://domain/?parameters

The simple response is returned as a string, and the complex response is returned as Json.

# 4. API Description

## 4.1 Login Request (POST method)

http://domain/login.ajax.php?iduser=?&idpass=?&timezone=?&t=?&lang=?

**Description:**

. iduser: User login name

. idpass: Password

. timezone: Client time zone, such as Beijing time zone: 8

. t: The current time of the client, in seconds.

. lang: Client language, such as English: en

**Response:**（Returns as a string）

. ok: Login successful

. stopped: User is disabled

. invalid: Login name or password is incorrect

. error: Unknown mistake

## 4.2 Object List Request (GET method)

http://domain/devlist.ajax.php?start=?&t=?

**Description:**

. start: The object list pointer start from 0, the start pointer will update and return by server. If the user contains a large number of objects, each request needs to bring back the start pointer until get start = -1 from server.

. t: The current time of the client, in seconds.

**Response:**（Returns as a Json）

{

"first": true,

"start": -1,

"data": [

{

"gid": 48,

"gtxt": "demo group 1",

"item": [

{

"n": 4259,

"t": "2016-01-07 12:43:33",

"on": 0,

"i": 7,

"c": "My car",

"x": 113937629,

"y": 22537879,

"d": 30,

"s": 0,

"v": 1,

"e": "Door Locked,Arm,ACC ON,Empty",

"st": "30023006301A",

"io": "6:1980,8:1980,A:2990009,",

"a": 0,

"jb": "",

"dn": ""

},

{

"n": 3895,

"t": "2016-04-17 11:41:07",

"on": 1,

"i": 7,

"c": "TS10",

"x": 79638107,

"y": 36903858,

"d": 70,

"s": 45,

"v": 1,

"dt": 3,

"e": "ACC Off,Door Locked;Engine Off: 2 min 54 s<br> Stop:

2 min 54 s<br> Odometer: 7085.40Km",

"st": "30063002",

"io": "6:174,8:174,A:70854,",

"a": 0,

"jb": "",

"dn": ""

}

]

}

]

}

. first: If the first time request object list or not

. start: Please refer to the start parameter description

. data: Object list data

. gid: Object group ID

. gtxt: Object group name

. item: The objects inside this group

. n: Object ID

. t: Object last GPS time

. on: Online state. 0 is offline，1 is online

. i: Object type，1:car，2:truck，3:bus，4:taxi，5:motorcycle，6:man，7:boat, 8:

asset

. c: Object name

. x: Longitude, 79638107 = 79.638107º

. y: Latitude, 36903858 = 36.903858 º

. d: Angle, from 0 to 359 degree

. s: Speed, the unit is km/h

. v: GPS state, 1 is valid，0 is invalid

. dt: GPS tracker type. You can ignore it or consult technical support

. e: Object state

. st: State table. You can ignore it or consult technical support

. io: IO table. You can ignore it or consult technical support

. a: Event number

. jb: Driver's job number

. dn: Driver name

## 4.3 Update Object List Request (POST method)

http://domain/devstat.ajax.php?t=?

**Description:**

. t: The current time of the client, in seconds.

**Response:**（The same as item 4.2）

## 4.4 History Data Request (GET method)

http://domain/playback.ajax.php?t=&objid=?&day=?&time1=?&time2=?

**Description:**

. t: The current time of the client, in seconds.

. objid: Object ID

. day: Request history by day or customize time range, if day = -1 mean by

customize time range, if day = 1 to 14 mean request 1 to 14 days.

. time1: Time start, if by days this item is not necessary.

. time2: Time end, if by days this item is not necessary.

**Response:** （Returns as a Json）

{

"ico": 1,

"t1": "2016-04-17 12:22:00",

"t2": "2016-04-17 12:23:00",

"m": 4,

"dt": "00:00:40",

"st": "00:00:00",

"s": 25,

"ms": 30,

"it": "00:00:00",

"item": [

{

"x": 114131629,

"y": 22561590,

"s": 20,

"d": 30,

"v": 1,

"tg": "2016-04-17 12:22:26",

"ts": "2016-04-17 12:22:27",

"e": "Door Locked,Arm,ACC ON,Empty",

"ad": ""

},

{

"x": 114131690,

"y": 22561679,

"s": 30,

"d": 30,

"v": 1,

"tg": "2016-04-17 12:22:56",

"ts": "2016-04-17 12:22:56",

"e": "Door Locked,Arm,ACC ON,Empty",

"ad": ""

}

]

}

. ico: Object type，1:car，2:truck，3:bus，4:taxi，5:motorcycle，6:man，7:boat,

8: asset

. t1: History start time

. t2: History end time

. m: Mileage in km

. dt: Driving time

. st: Stop time

. s: Average speed

. ms: Max speed

. it: Idle time

. item: History data

. x: Longitude, 114131690 = 114.131690º

. y: Latitude, 22561679 = 22.561679 º

. s: Speed, the unit is km/h

. d: Angle, from 0 to 359 degree

. v: GPS state, 0 is invalid, 1 is valid

. tg: GPS time

. ts: Server time

. e: Object state

. ad: Event detail

## 4.5 Object Detail Request (GET method)

http://domain/devinfo.ajax.php?objid=?

**Description:**

. objid: Object ID

**Response:** （Returns as a Json）

{

"oflag": "AS200\_Shenzhen",

"dtype": "AS200",

"simno": "13400010001",

"devno": "13400010001",

"itime": "2016-02-22 00:00:00",

"etime": "2017-12-29 00:00:00",

"custname": "gtci0",

"custphone": "+22508519932",

"okind": 1,

"remark": "Boat0"

}

. oflag: Object name

. dtype: GPS tracker type

. simno: Simcard number

. devno: Device ID

. itime: Object registration time

. etime: Object expiration time

. custname: Customer name

. custphone: Customer phone number

. okind: Object type，1:car，2:truck，3:bus，4:taxi，5:motorcycle，6:man，

7:boat, 8: asset

. remark: Object remark

## 4.6 Event Request (GET method)

http://domain/alarm.ajax.php?objid=?

**Description:**

. objid: Object ID , objid is not necessary, if no objid mean request all event.

**Response:** （Returns as a Json）

[

{

"c": "KC08 - TC 4",

"n": 3365620,

"a": "Hijack",

"t": "2016-04-17 12:40:33",

"x": 104680648,

"y": 16916530,

"e": "Hijack,Door Locked,Disarm,ACC ON,Empty>Mileage: 14525Km"

},

{

"c": "KC09 - TC 5",

"n": 3365621,

"a": "Hijack",

"t": "2016-04-17 12:40:35",

"x": 104680648,

"y": 16916530,

"e": "Hijack,Door Locked,Disarm,ACC ON,Empty>Mileage: 14525Km"

}

]

. c: Object name

. n: Event ID

. a: Event name

. t: Event time

. x: Longitude, 104680648 = 104.680648º

. y: Latitude, 16916530 = 16.916530º

. e: Object state

## 4.7 Cancel Event (GET method)

http://domain/alarm.ajax.php?delid=?

**Description:**

. delid: Event ID

**Response:**（Returns as a string）

. ok: Cancel successful

. fail: Cancel fail

## 4.8 Load Command Request

http://domain/commandinfo.ajax.php

**Description:**

No need parameter.

**Response:** （Returns as a Json）

{

'tcmd': [

{

"tid": 1,

"cid": 4,

"pid": 1,

"cn": "Lock Door",

"ckind": 1,

"ckey": "LD"

},

{

"tid": 1,

"cid": 7,

"pid": 1,

"cn": "Disable Immobilizer",

"ckind": 1,

"ckey": "DI"

}

],

'pparam':

[

{

"pid": 1,

"cid": 14,

"paid": 89,

"psn": 1,

"pm": 1,

"pn": "Lower Temp",

"units": "\u2103",

"vt": 2,

"h": null,

"maxl": 3,

"minv": -50,

"maxv": 150,

"dv": "-5",

"l": "-50..150"

},

{

"pid": 1,

"cid": 14,

"paid": 90,

"psn": 2,

"pm": 1,

"pn": "Upper Temp",

"units": "\u2103",

"vt": 2,

"h": null,

"maxl": 3,

"minv": -50,

"maxv": 150,

"dv": "5",

"l": "-50..150"

},

]

}

. tcmd: Command items

. tid: GPS tracker type ID

. cid: Command ID

. pid: Protocol ID

. cn: Command name

. cking: Command king, 1 is control, 2 is setting, 3 is query

. ckey: Command hot key

. pparam: Command parameters

. pid: Protocol ID

. cid: Command ID

. paid: Parameter ID

. psn: Parameter index

. pm: Parameter is must, 0 is not most, 1 is must

. pn: Parameter name

. units: Parameter unit

. vt: Parameter value type

. h: Parameter hint

. maxl: Parameter max length

. minv: Parameter min value

. maxv: Parameter max value

. dv: Parameter default value

. l: Parameter value range

## 4.9 Send Command To Object Request (GET method)

http://domain/command.ajax.php?objid=?&cmdid=?&params=?

**Description:**

. objid: Object ID

. cmdid: Command ID

. params: Command parameters

**Response:**（Returns as a string）

. ok: Send command successful

. fail: Send command fail

## 4.10 Modify User Password (GET method)

http://domain/changpass.ajax.php?idNew=?&idOld=?&idRep=?

**Description:**

. idNew: New password

. idOld: Old password

. idRep: Repeat old password

**Response:**（Returns as a string）

. ok: Modify successful

. \*: Modify fail

. no login: User not login