**YiwenGPS API V3.0**

2014-03-18

Every event has a “String” type’s Key

Interface URL

Interface key

**1.** **Login**

Name: Login

Parameter 1: name Type: string (User Name / IMEI / Plate Number)

Parameter 2: password Type: string (Username Password or Device Password)

Parameter 3: loginType Type: int (Value 0: Login by Username; Value 1: Login by IMEI or Plate Number)

Success, login by Username:

{"state":"0","userInfo":{"userID":"1","userName":"superadmin","loginName":"superadmin","timeZone":"China Standard Time"}}

Login by IMEI or Plate Number:

{"state":"0","deviceInfo":{"deviceID":"97","deviceName":"GT06A-70535","timeZone":"China Standard Time"}}

If the Username/IMEI/Plate Number wrong:

{"state":"2001"}

**2. Get Device List of this User (get the device through device id also available)**

Name: GetDeviceList

Parameter 1: ID Type: int (TypeID=0: UserID; 1: DeviceID)

Parameter 2: PageNo Type: int (Query Page)

Parameter 3: PageCount Type: int (number of each page)

Parameter 4: TypeID Type: int (TypeID=0: UserID; 1: DeviceID)

Parameter 5: IsAll Type: boolean (=True,return to detailed array data; =False,return to the array which contains device id and device status)

Parameter 6: Language Type: string (Language of Mobile APP)

IsAll=True, Query by UserID:

{"state":"0","nowPage":"1","resSize":"13","arr":[{"id":"11","name":"GT09-13123","status":"0-ACC关"},{"id":"13","name":"AW-01-22222","status":"0-"}]}

IsAll=False: {"state":"0","nowPage":"1","resSize":"13","arr":[{"id":"11","status":"0-ACC关"},{"id":"13","status":"0-"}]}

Query by DeviceID, IsAll=true:

{"state":"0","nowPage":"1","resSize":"1","arr":[{"id":"22","name":"宏远信通-00610","status":"3-ACC关"}]}

IsAll=False:

{"state":"0","nowPage":"1","resSize":"1","arr":[{"id":"22","status":"3-ACC关"}]}

The result is same as UserID, but only get one result. If TypeID=1, and query by DeviceID, the PageNo and PageCount will be insignificant

**3. Get Device Status and Alerts**

Name: GetDeviceStatus

Parameter 1: DeviceID Type: int (Device ID)

Parameter 2: TimeZones Type: string (Time Zone)

Parameter 3: Language Type: string (Language)

Result:

{"state":"0","id":"1","status":"3-ACC关,电量100%,信号强","sendCommand":"1-1-0-0","warnTxt":"进电子栅栏","warnTime":"2014/04/23 17:26"}

sendCommand:array,delimiter:-

Array 1: 0 No Fuel Cut Function; 1 Yes

Array 2: 0 No Fuel Restore Function; 1 Yes

Array 3: 0 No Arm Function; 1 Yes

Array 4: 0 No Disarm Function; 1 Yes

Array 5: 0 No OBD Function; 1 Yes

For example: 1-1-0-0 means fuel cut and fuel restore function enabled, without arm and disarm function

**4. Vehicle Monitoring by User ID**

Name: GetMonitorByUserID

Parameter 1: UserID Type: int (User ID)

Parameter 2: TimeZones Type: string (Time Zone)

Parameter 3: MapType Type: string (Map Type)

Parameter 4: Language Type: string (Language)

Result:

{"state":"0","devices":[{"id":"22","name":"宏远信通-00610","positionTime":"2013-07-30 06:35:41","lat":"-1.00000","lng":"-1.00000","speed":"0.00","course":"0","isStop":"1","stm":"0","status":"0-ACC关"},{"id":"24","name":"天琴-00001","positionTime":"2014-02-23 07:34:12","lat":"-1.00000","lng":"-1.00000","speed":"0.00","course":"0","isStop":"1","stm":"11998","status":"0-"}]}

**5. Real-Time Tracking**

Name: GetTracking

Parameter 1: DeviceID Type: int

Parameter 2:Model Type: int

Parameter 3: TimeZones Type: string

Parameter 4: MapType Type: string Value: Google or Baidu

Parameter 5: Language Type: string

Result:

{"state":"0","positionTime":"2014-02-23 06:44:11","lat":"22.51447","lng":"113.89438","speed":"0.00","course":"999","isStop":"1","status":"3-ACC关,撤防,主电链接"}

No Result:

{"state":"2002"}

**6. Historical Route**

Name: GetDevicesHistory

Parameter 1: DeviceID Type:int

Parameter 2: StartTime Type: string yyyy-MM-dd HH:mm

Parameter 3: EndTime Type: string yyyy-MM-dd HH:mm

Parameter 4: TimeZones Type: string

Parameter 5: ShowLBS Type: int (0:disable; 1: enable)

Parameter 6: MapType Type: string Value: Google or Baidu

Parameter 7: SelectCount Type:int

Result:

{"state":"0","devices":[{"pt":"2013-07-19 04:08:49","lat":"37.48551","lng":"111.96518","s":"0.00","c":"0","stop":"1","stm":"0","id":"13"},{"pt":"2013-07-19 05:57:14","lat":"27.84277","lng":"114.66878","s":"85.47","c":"254","stop":"0","stm":"0","id":"7"}],"lastLocationID":"7","lastDeviceUtcDate":"2013-07-19 05:57:14"}

**7. Device Details**

Name: GetDeviceDetail

Parameter 1: DeviceID Type: int

Parameter 2: TimeZones Type: string

Result:

{"state":"0","id":"1185","name":"GT06-65818","sn":"868120103465818","type":"GT06","model":"12","speedLimit":"0.00","phone":"","carNum":"TEST666111","userName":"","cellPhone":"","hireExpireTime":"2024-07-06","createTime":"2013-07-09"}

**8. User Info**

Name: GetUserInfo

Parameter 1: UserID Type: int

Parameter 2: TimeZones Type: string

Result:

{"state":"0","name":"superadmin","loginName":"superadmin","contact":"superadmin","phone":"15112351095","email":"d","address":"","createTime":"2013-03-15","serviceName":"superadmin","servicePhone":"15112351095"}

**9. GeoFence**

Name: GetGeofence

Parameter 1: DeviceID Type: int

Parameter 2: TimeZones Type: string

Parameter 3: MapType Type: string

Result:

{"state":"0","deviceLat":"22.56738","deviceLng":"22.56738","geofences":[{"geofenceID":"3","fenceName":"TEST2","lat":"22.56621","lng":"113.26334","radius":"500.00","createTime":"2014-04-28"}]}

**10. GeoFence Details**

Name: GetGeofenceDetail

Parameter 1: DeviceID Type: int

Parameter 2: GeofenceID Type: int

Parameter 3: MapType Type: string

Result:

{"state":"0","deviceLat":"0.00000","deviceLng":"0.00000","lat":"23.10708","lng":"113.11669","radius":"500.00"]}

**11. Create or Edit GeoFence**

Name: SaveGeofence

Parameter 1: UserID Type: int

Parameter 2: DeviceID Type: int

Parameter 3: GeofenceName Type: string

Parameter 4: Remark Type: string

Parameter 5: Lat Type: decimal

Parameter 6: Lng Type: decimal

Parameter 7: Radius Type: int

Parameter 8: GeofenceID Type: int

Parameter 9: MapType Type: string

>0, success

=0, failure

**12. Delete GeoFence**

Name: DelGeofence

Parameter 1: GeofenceID Type: int

Parameter 2: DeviceID Type: int

=1, success

=0, failure

13. Address

Name: GetAddressByLatlng

Parameter 1:Lat Type: string

Parameter 2:Lng Type: string

Parameter 3: MapType Type: string

Parameter 4: Language Type: string E.g.Chinese: zh-cn English: en-us

Success:

Xionghao Hotel 226 Meters/Haijin(southeast) 138 Meters/Zuji Road, Nanhai District, Foshan City, Guangdong Province/

**14. Alert List**

Name: GetWarnList

Parameter 1: ID Type: int(0: UserID; 1: DeviceID)

Parameter 2: PageNo Type: int

Parameter 3: PageCount Type: int

Parameter 4:TypeID Type: int (0: UserID; 1: DeviceID)

Parameter 5: TimeZones Type: string

Parameter 6: Language Type: string

Success:

{"state":"0","nowPage":"1","resSize":"4","arr":[{"id":"847","name":"11test","model":"GT06","warn":"进电子栅栏","deviceDate":"2014/04/23 15:15","createDate":"2014/04/23 17:26"},{"id":"836","name":"GT03A-03402","model":"GT03A","warn":"进电子栅栏","deviceDate":"2014/04/15 19:30","createDate":"2014/04/23 01:36"}]}

**15. Lat, Lng of Alert**

Name: GetWarnLatLng

Parameter 1: ExceptionID Type: int

Parameter 2: MapType Type: string Map:Google or Baidu

Result:

{"state":"0","lat":"23.1132","lng":"113.12321"}

**16. Send Command**

Name: SendCommandByAPP

Parameter 1: SN Type: string (IMEI No.)

Parameter 2: DeviceID Type: int

Parameter 3: CommandType Type: string

Parameter 4: Model Type: int

Parameter 5: Parameter Type: string

Result:

-1:Device not exist

-2:Device does not connect with server

-3:Send failed

-4:Command invalid

>0:Send command id

**17. Get Response**

Name: GetResponse

Parameter 1: CommandID Type: int

Parameter 2: TimeZones Type: string

Result:

{"state":"0","isResponse":"0","responseMsg":""}

**18. Command List**

Name: GetCommandList

Parameter 1: SN Type: string

Parameter 2: DeviceID Type: int

Parameter 3: PageNo Type: int

Parameter 4: PageCount Type: int

Parameter 5: TimeZones Type: string

Parameter 6: Language Type: string

Result:

{"state":"0","nowPage":1","resSize":7","deviceID":1","sn:"353419034822143","commandArr":[{"id":"72","isSend":"1","isResponse":"0","responseText":"","commandName":"断油电","sendDate":"2014-04-28 18:19:24","responseDate":"1900-01-01 08:00:00"},{"id":"67","isSend":"1","isResponse":"0","responseText":"","commandName":"断油电","sendDate":"2014-04-28 16:59:44","responseDate":"1900-01-01 08:00:00"}]}

1. **Clear Message**

Name:ClearExceptionMessageByID

Parameter 1:ID Type: int (0: UserID; 1: DeviceID)

Parameter 2:TypeID Type: int (0: UserID; 1: DeviceID)

Parameter 3:ExceptionID Type:int

1, Success

0, Failure

|  |  |
| --- | --- |
| Explanation: state value | |
| 0 | Success |
| 1001 | Wrong Parameter |
| 1002 | Program Exception, Wrong Parameter etc. |
| 2001 | Login Name or Password Wrong |
| 2002 | No Result |
| 2003 | Plate No. Already Exists |
| 2004 | Modify Unsuccessfully |
| 2005 | Modify Successfully |
| 3001 | Wrong Key |
| 3004 | Maintenance |