

saynotopremium.co.uk

"free alternatives to premium numbers"

Open API v0.2 documentation

If you need to print this document, please remember it is designed to be printed on double sides.

Revision History

Rev	Date	By	Comment
0.1	12/01/09	erdo	First Draft
0.2	15/01/09	erdo	Search XML, JSON

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Target Audience

This document is for you if you are a developer who wishes to use the open saynotopremium API to integrate the saynotopremium services into your application or service.



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1 Overview

The saynotopremium.co.uk site provides access to a database that translates premium numbers to their non-geographical alternatives.

1.1 Open API

The saynotopremium Open API current allows access to the search methods used by the web site.

1.2 Licence

The Open API has no commercial restrictions, that is to say you are free to mash up the data with any other data, you can include adverts in your application and/or sell your application for a fee.

The flip side of this is that there is no commitment on our part to ensure you get a trouble free service or that the data we provide is accurate of fit for purpose. Obviously we try to keep it up and running all the time and that the data is good, but don't sue us if it isn't.

If you or your business needs more guarantees than are available in the Open API, contact us to discuss a commercial arrangement.

1.2.1 General guidance

Don't forget this service relies in part on members of the public who add numbers and maintain the integrity of the data by reporting broken numbers.

So in general, it is a good idea to encourage your users to feed back into the database by reporting broken numbers and/or adding new numbers to the database via the saynotopremium.co.uk site.

There is a small possibility that a third party application developed on the Open API becomes so successful it generates a severe load on the saynotopremium servers. This would be good news! But if it becomes a problem for us from a hosting point of view, we'll try to contact you to discuss it before the servers collapse or we get landed with a huge bandwidth bill.

1.3 API Calls Available

There is currently only one of three possible method calls implemented: **Search Number** (search by either name or number).

Add Number (to add a new number to the database) and **Report Number** (to allow a user to report a number in the database that does not work as advertised) are not currently implemented. I'm trying to work out how we do that without opening up the possibility of spammers using the API to fill the database with junk info. (The site uses recaptcha).

1.4 Response formats available

The API responses currently implemented are in JSON and XML.

2 API Request Calls

Open API URL:

```
http://m.sntp.me/api.php
```

To make a request to the Open API, construct a querystring using the variables detailed below and include the query string in the body of an HTTP POST request.

Variables common to all requests

Parameter Name	Description	Details
me_sntp_devkey	Developer Key	Mandatory. Alpha-Numeric. Case-Insensitive. Send an email to api at saynotopremium.co.uk for a developer key.
me_sntp_method	The API method being called	Mandatory. Alpha-Numeric. Case-Sensitive. Must be either: search, add OR report

2.1 Search Number Method Variables

Parameter Name	Description	Details
me_sntp_no	The premium telephone number that is being searched for.	Optional. Numeric. (either me_sntp_no OR me_sntp_name must be present, if both are present, me_sntp_name is used) If present, the number must be 11 characters long once any ''' or '-' characters are removed, start with a 0, and NOT in international format ie no + or country code.
me_sntp_name	The company name that is being searched for	Optional. Alpha-Numeric. (either me_sntp_no OR me_sntp_name must be present, if both are present, me_sntp_name is used) If present, the name field must be no more than 50 characters long once surrounding white space characters and any PHP and HTML tags have been removed.
me_sntp_response	The desired format of the response.	Mandatory. Alpha-Numeric. Case-Sensitive. Must be either: json OR xml
me_sntp_jsoncallback	Callback method for json request.	Optional. Alpha-Numeric. Case-Sensitive. 20 characters max. If me_sntp_jsoncallback is not specified, the response will simply be an anonymous object.



Parameter Name	Description	Details
		Only relevant if me_sntp_response=json if this is not the case, then me_sntp_jsoncallback value will be ignored.

2.1.1 Example Messages

```
me_sntp_devkey=abcdef123456&me_sntp_method=search&me_sntp_no=08456111111&me_sntp_response=xml
```

Searches for the number "08456111111", returns the response in xml

```
me_sntp_devkey=abcdef123456&me_sntp_method=search&me_sntp_name=first&me_sntp_response=json
```

Searches for the name "first", returns the response in json

```
me_sntp_devkey=abcdef123456&me_sntp_method=search&me_sntp_no=08456111111&me_sntp_response=json&me_sntp_jsoncallback=mycallback
```

Searches for the number "08456111111", returns the response in json with a callback method "mycallback"

2.2 Add Number Method Variables (not implemented)

Parameter Name	Description	Details

2.3 Report Number Method Variables (not implemented)

Parameter Name	Description	Details

3 XML Response

3.1 Content type

Content-Type: text/xml; charset=utf-8

3.2 Search Number by number using me_sntp_no

3.2.1 Numbers found

```
<?xml version="1.0" encoding="utf-8" ?>
<rsp stat="ok">
<meta code="0" msg="Alternative numbers found!" name="HMRC" web="http://www.hmrc.gov.uk"
searchnum="08453000627"/>
<altnum num="01506476066" conf="80" discweb="http://www.ixpocket.com" discname="eric"
discemailmd5hash="371a7646e8f4b4ff515fac51fd2bd2f1" branchname="hmrc shipley"/>
<altnum num="08453667816" conf="80" discname="anon"/>
</rsp>
```

discemailmd5hash can be used to generate Gravatar icon

3.2.2 No Numbers found

```
<?xml version="1.0" encoding="utf-8" ?>
<rsp stat="ok">
<meta code="1" msg="No alternative numbers found" />
</rsp>
```

3.3 Search Number by name using me_sntp_name

3.3.1 Name matches found

```
<?xml version="1.0" encoding="utf-8" ?>
```

```
<rsp stat="ok">
<meta code="2" msg="Possible matches found!" searchname="first"/>
<numpool name="first direct" num="08456100100">
<numpool name="First Choice" num="08707572757">
</rsp>
```

3.3.2 No name matches found

```
<?xml version="1.0" encoding="utf-8" ?>
<rsp stat="ok">
<meta code="3" msg="No matches found" searchname="first"/>
</rsp>
```

3.4 Failure Messages

```
<?xml version="1.0" encoding="utf-8" ?>
<rsp stat="fail">
<err code="20" msg="No devkey was found or has insufficient privileges. Please check your devkey."/>
</rsp>
```

4 JSON Response

4.1 Content type

Content-Type: application/json; charset=utf-8

4.2 JSON callback

If a JSON callback is specified during the request by setting a value for `me_sntp_jsoncallback`, the JSON responses below will be surrounded by `callbackname()`

```
callbackname(  
    JSON response as below  
)
```

4.3 Search Number by number using `me_sntp_no`

4.3.1 Numbers found

```
{  
  "rsp":{  
    "stat": "ok",  
    "meta":{  
      "code": "0",  
      "msg": "Alternative numbers found!",  
      "name": "HMRC",  
      "web": "http://www.hmrc.gov.uk",  
      "searchnum": "08453000627"  
    },  
    "altnum": [  
      {  
        "num": "01506476066",  
        "conf": "80",  
        "discname": "eric",  
        "discweb": "http://www.ixpocket.com",  
        "discemailmd5hash": "371a7646e8f4b4ff515fac51fd2bd2f1",  
        "branchname": "hmrc shipley"  
      },  
      {  
        "num": "08453667816",  
        "conf": "80",  
        "discname": "anon"  
      }  
    ]  
  }  
}
```

discemailmd5hash can be used to generate Gravatar icon

4.3.2 No Numbers found

```
{
  "rsp":{
    "stat": "ok",
    "meta":{
      "code": "1",
      "msg": "No alternative numbers found"
      "name": "HMRC",
      "web": "http://www.hmrc.gov.uk",
      "searchnum": "08453000627"
    }
  }
}
```

4.4 Search Number by name using me_sntp_name

4.4.1 Matches found

```
{
  "rsp":{
    "stat": "ok",
    "meta":{
      "code": "2",
      "msg": "Possible matches found!",
      "searchname": "first"
    },
    "matches":[
      {
        "name": "first direct",
        "num": "08456100100"
      },
      {
        "name": "First Choice",
        "num": "08707572757"
      }
    ]
  }
}
```

4.4.2 No Numbers found

```
{
  "rsp":{
    "stat":"ok",
    "meta":{
      "code":"3",
      "msg":"No matches found!",
      "searchname":"first"
    }
  }
}
```

4.5 Failure Messages

```
{
  "rsp":{
    "stat": "fail",
    "err":{
      "code": "20",
      "msg": "No devkey was found or has insufficient privileges. Please check your devkey."
    }
  }
}
```



5 Error Codes

code	msg	further info
1		
2		
3		
4		