



Web2Sms API Specification

v 2.0

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1. Introduction

The following document is addressed to programmers who want to incorporate the Web2Sms service to their systems.

To start using the Web2Sms service, follow the next steps:

- register at <https://services.yuboto.com/yuniverse>
- activate Web2Sms service
- request a Web2Sms api key from our support team at support@yuboto.com
- purchase the required credits to start sending messages

If you need information about sms charges, please contact us at:
sales@yuboto.com

If you need technical information, please contact us at: support@yuboto.com

You can also call us at +30 211 11 44 111 working days from 9.00 am to 6.00 pm

The use of Yuboto platform is subject to the terms of use and privacy statement you may find at <https://services.yuboto.com/yuniverse>

Using the Web2Sms service, you can perform the following actions:

- Send Sms (Paragraph 1)
- Program instant and scheduled sms messages (Paragraph 2)
- Retrieve the status of previously sent messages (Paragraph 3)
- Request the cost of sms messages (Paragraph 4)
- Request your account's balance (Paragraph 5)
- Cancel scheduled messages (Paragraph 6)

The URL through which you can perform your calls is:
<https://services.yuboto.com/web2sms/api/v2/smssc.aspx>



2. Send Method

This method allows you to send text messages to one or multiple recipients simultaneously.

2.1 Types of Messages

Through Yuboto platform, you can send:

- Simple SMS (up to 160 characters)
- Flash SMS (up to 160 characters)
- Long SMS (more than 160 characters)
- Unicode SMS (up to 70 characters)

A simple SMS includes all the 7bit alphabet characters as defined by the GSM 03.38.

Some 8bit alphabet characters may also be included and sent as a simple SMS. These will count as 2 characters.

These characters are:

CIRCUMFLEX ACCENT	^
LEFT CURLY BRACKET	{
RIGHT CURLY BRACKET	}
REVERSE SOLIDUS (BACKSLASH)	\
LEFT SQUARE BRACKET	[
TILDE	~
RIGHT SQUARE BRACKET]
VERTICAL BAR	
EURO SIGN	€

All the other characters included in the 8bit alphabet can only be sent as Unicode characters (SMS 70 characters).

For more information about Unicode characters, you can visit:

<http://www.unicode.org/charts/>.

If you use small case Greek characters (8bit) in a non Unicode format, then the system will automatically convert them into Capital Greek characters (7bit).



Long SMS is a text message longer than 160 characters. If the user's mobile phone supports it, then the text message will be received as one. Otherwise the message will be divided into multiple messages of 153 characters each (Maximum number of characters 2000).

If you choose to send a long SMS without previously notifying the system, then the system will limit it to 160 characters (simple SMS).

2.2 Method parameters

Variables	Description	Permitted Values	Compulsory
api_key	Your api-key	Alphanumeric	Yes
action	Indicates the function you have selected	Send	Yes
from	Sender of the text message	Numeric (maximum number of digits: 16) or alphanumeric characters (maximum number of characters: 11)	Yes
to*	Refers to the phone number of the recipient or recipients of the text message (use commas for multiple recipients)	Use country code without + or 00.	Yes
text	The text of the message	See paragraph 2.1	Yes
typesms	Indicates the type of message you wish to send	1. sms (default) 2. flash 3. unicode	No
longsms	Indicates if the message can be over 160 characters. It applies only to standard type SMS	1. no (default) 2. yes	No



datein_to_send	Indicates the date you wish to send the message. If this is omitted, the message is sent instantly	YYYYMMDD YYYY refers to the year MM refers to the month DD refers to the day	No
timein_to_send	Indicates the time you wish to send your message. If this is omitted, the message is sent instantly	HHMM HH refers to the hour MM refers to minutes	No
smsValidity	If the SMS is not delivered directly, this variable indicates the amount of seconds for which the message will remain active, before being rejected by the SMSC	Integer Min Value: 30 Max Value: 4320 (default)	No
smstest	If you wish to test the system, select “yes” without sending text messages	No (Default) Yes	No
callback_url	When the message reaches its final state, a call to this url will be performed by Yuboto’s system with the message’s delivery info. See paragraph 2.10.	Alphanumeric	No
option1	User defined value that will be included in the call to the provided callback_url	Alphanumeric	No



option2	User defined value that will be included in the call to the provided callback_url	Alphanumeric	No
json	Indicates if the system response will be json formatted	Yes (default) No	No

* The variable "to" can have between 1 and 100 telephone numbers, separated by commas. The telephone number of the recipient must include the country code (without + or 00). Messages without country code will be rejected.

2.3 Sending Simple sms

To send a simple SMS the following fields are required:

- api_key (your api-key)
- action (=send)
- from (=Sender)
- to (=3069XXXXXXXX,3069XXXXXXXX,3069XXXXXXXX)
- text (=This is my first test)

Example:

`https://services.yuboto.com/web2sms/api/v2/smsc.aspx?api_key=XXXXXXXXX
&action=send&from=Yuboto&to=3069XXXXXXXX,3069XXXXXXXX,3069XXX
XXXXX&text=This%20is%20my%20first%20test`

If you wish to program SMS sending, you should fill in the following fields:

- datein_to_send (=20140901)
- timein_to_send (=1925)

The above example programs the sending of a text message for 1/9/2014 at 19:25.

2.4 Sending a Flash sms

To send a flash sms the following fields are required:

- api_key (your api-key)
- action (=send)

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- from (=Sender)
- to (=3069XXXXXXXX,3069XXXXXXXX,3069XXXXXXXX)
- text (=This is my first test)
- typesms (=flash)

Example:

`https://services.yuboto.com/web2sms/api/v2/smsc.aspx?api_key=XXXXXXXXX
&action=send&from=Yuboto&to=3069XXXXXXXX,3069XXXXXXXX,3069XXX
XXXXX&text=This%20is%20my%20first%20test&typesms=flash`

2.5 Sending a Long SMS

To send a long SMS the following fields are required:

- api_key (your api-key)
- action (=send)
- from (=Sender)
- to (=3069XXXXXXXX,3069XXXXXXXX,3069XXXXXXXX)
- text (=This is my first test)
- longsms (=yes)

Example:

`https://services.yuboto.com/web2sms/api/v2/smsc.aspx?api_key=XXXXXXXXX
&action=send&from=Yuboto&to=3069XXXXXXXX,3069XXXXXXXX,3069XXX
XXXXX&text=This%20is%20my%20first%20test&longsms=yes`

2.6 Sending a Unicode SMS

To send a Unicode SMS, the following fields are required:

- api_key (your api-key)
- action (=send)
- from (=Sender)
- to (=3069XXXXXXXX,3069XXXXXXXX,3069XXXXXXXX)
- text (=This is a test sms)
- typesms (=unicode)

Example:

`https://services.yuboto.com/web2sms/api/v2/smsc.aspx?api_key=XXXXXXXXX
&action=send&from=Yuboto&to=3069XXXXXXXX,3069XXXXXXXX,3069XXX
XXXXX&text=This%20is%20a%20test%20sms&typesms=Unicode`



2.8 System Messages

Message	Description
ok: phonenumber:ID	Sms sent successfully ID Format: (XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXXX). One ID will be returned for every phonenumber
Err301:Invalid Action	Invalid Action
Err302:Invalid api_key	Invalid api_key
Err310:No credits	No credits
Err314:Invalid Typesms	Invalid Typesms
Err315:Text was not provided	Text was not provided
Err316:Length of text is too long. Max Length 2000 chars	Length of text is too long. Max Length 2000 chars
Err317:Time to send cannot be less than current time	Time to send cannot be less than current time
Err318:Sender was not provided	Sender was not provided
Err319:Length of sender must be 16 digits numeric or 11 digits alphanumeric	Length of sender must be 16 digits numeric or 11 digits alphanumeric
Err320:Length of sender must be 16 digits numeric or 11 digits alphanumeric	Length of sender must be 16 digits numeric or 11 digits alphanumeric
Err321:Invalid SmsValidity value	Invalid SmsValidity value
Err322:SmsValidity Out Of Range. Accepted values between 30 and 4320	SmsValidity Out Of Range. Accepted values between 30 and 4320
Err323:Missing value TO. Select at least one recipient	Missing value TO. Select at least one recipient
Err604:Invalid date (DDMMYYYY)	The date parameter is not well formatted
Err605:Invalid time (HHMM)	The time parameter is not well formatted
Err606:Invalid date or time (DDMMYYYY HHMM)	The date or time parameter is not well formatted
Err334:callback_url value is too long. Max length 255 chars	callback_url value is too long. Max length 255 chars
Err336:option1 value is too long. Max length 50 chars	option1 value is too long. Max length 50 chars
Err337:option2 value is too long. Max length 50 chars	option2 value is too long. Max length 50 chars



2.9 System Responses

Successful delivery response example:

```
{"ok":{"3069XXXXXXXXX":"YYYYYYYYYY"}}
```

Successful delivery for multiple phones example:

```
{"ok":{"3069XXXXXXXXX":"YYYYYYYYYY","3069XXXXXXXXX":"YYYYYYYYYY","3069XXXXXXXXX":"YYYYYYYYYY"}}
```

Error response example:

```
{"error":"Err315:Text was not provided"}
```

2.10 System Forwarded Callbacks

When a message reaches its final state, Yuboto's system will forward the final state info to the client in the following cases:

- The `callback_url` parameter was included in the call to method 'send'
- The user has registered a permanent url for all callbacks

The message info will be forwarded through a get request to the callback url. The following parameters will be included in the query string:

- Sender – The message sender
- Receiver – The destination phone number
- Smsid – The message ID returned from the call to method 'send'
- Status – See paragraph 3.3 for a detailed description of status values
- Option1 – The user defined value that was passed to method 'send'
- Option2 – The user defined value that was passed to method 'send'



3. DLR Method

Using this method, you can retrieve information on sent text messages and check their status in real-time.

3.1 Method Parameters

Variables	Description	Permitted Values	Compulsory
api_key	Your api-key	Alphanumeric	Yes
action	Indicates the function you have selected	dlr	Yes
id	The id of the sent sms.	Alphanumeric	Yes
details	The sender, phonenumber, cost and sms text will be included in the response	Yes No (default)	No
options	The option1 and option2 attached to this message will be included in the response	Yes No (default)	No
json	Indicates if the system response will be json formatted	Yes (default) No	No

3.2 System Messages

Message	Description
ok:Id,Status,DateSent,DateDlr	Id = the id that you have received while sending the SMS Status = the status of the SMS DateSent = the send date of the sms DateDlr = the date of the delivery report
Err301:Invalid Action	Invalid Action
Err302:Invalid api_key	Invalid api_key
Err324:Id was not provided	Id was not provided
Err325:Invalid Id	Invalid Id



3.3 Status of Messages

The following table shows the possible status of an SMS:

Initial Status	Status	Final Status *
Sent	Pending	No
Pending	Pending	No
Submitted	Pending	No
Buffered	Pending	No
Delivered	Delivered	Yes
Not Delivered **	Not Delivered	Yes
Unknown	Not Delivered	Yes
Error	Not Delivered	Yes
Expired	Not Delivered	Yes
Failed ***	Failed	Yes
Rejected ****	Rejected	Yes
Scheduled	Pending	No
Canceled	Not Sent	Yes

* Indicates if this is the final status of the message or it is going to change.

** Some of the possible reasons for failure of delivery might be:

i) Invalid telephone number ii) telephone deactivated or switched-off. In the last two cases, the SMSC holds the message for 3 days and before rejecting it, allows you to select shorter time period (the variable smsvalidity see par. 2.2)

*** Delivery fails when there are no available Credits to your account.

**** Messages are rejected when the recipient of the SMS has an invalid format or when your account or Yuboto platform do not support it.

Failed or Rejected messages are not charged (to your account).

3.4 Sample requests and responses

Request:

https://services.yuboto.com/web2sms/api/v2/smsc.aspx?action=dlr&api_key=XXXXXX&id=YYYYYY



Response:

```
{"ok":{"Id":"YYYYYY","Status":"Delivered","DateSent":"201405221441","DateDlr":"201405221442"}}
```

Request:

```
https://services.yuboto.com/web2sms/api/v2/smsc.aspx?action=dlr&api_key=XXXXXX&id=YYYYYY&details=yes&options=yes
```

Response:

```
{"ok":{"Id":"YYYYYY","Status":"Delivered","SmsCost":1.00,"Phonenumber":"3069XXXXXXXX","DateSent":"201405221441","DateDlr":"201405221442","sender":"test","sms":"test sms","option1":"opt1","option2":"opt2"}}
```



4. Cost Method

Through the following method you can request the cost of sending a simple SMS to one or multiple recipients.

4.1 Method Parameters

Variables	Description	Permitted Values	Compulsory
api_key	Your api-key	Alphanumeric	Yes
action	Indicates the function you have selected	cost	Yes
iso2	The ISO_3166-1_alpha-2 code of the country	2-letter code	Yes
details	If set to yes, the system will include the mcc and mnc values in the information about the available networks	Yes No (default)	No
json	Indicates if the system response will be json formatted	Yes (default) No	No

4.2 System Messages

Message	Description
ok:cost	The system returns a list of available networks in the requested country and the cost of sms to each network
Err301:Invalid Action	Invalid Action
Err302:Invalid api_key	Invalid api_key
Err308:Invalid iso2 value	Invalid iso2 value
Err309:Country not supported. Please contact your administrator	Country not supported. Please contact your administrator



4.3 Sample requests and responses

Request:

`https://services.yuboto.com/web2sms/api/v2/smsc.aspx?action=cost&api_key=XXXXXX&iso2=gr`

Response:

```
{
  "ok": [
    {
      "NetworkName": "Wind Hellas Telecommunications SA",
      "SmsCost": 1.00
    },
    {
      "NetworkName": "VODAFONE - PANAFON Hellenic Telecommunications Company SA",
      "SmsCost": 1.00
    },
    {
      "NetworkName": "COSMOTE Mobile Telecommunications SA",
      "SmsCost": 1.00
    }
  ]
}
```

Request:

`https://services.yuboto.com/web2sms/api/v2/smsc.aspx?action=cost&api_key=XXXXXX&iso2=gr&details=yes`

Response:

```
{
  "ok": [
    {
      "NetworkName": "Wind Hellas Telecommunications SA",
      "MCC": "202",
      "MNC": "009",
      "SmsCost": 1.00
    },
    {
      "NetworkName": "Wind Hellas Telecommunications SA",
      "MCC": "202",
      "MNC": "010",
      "SmsCost": 1.00
    },
    {
      "NetworkName": "VODAFONE - PANAFON Hellenic Telecommunications Company SA",
      "MCC": "202",
      "MNC": "005",
      "SmsCost": 1.00
    },
    {
      "NetworkName": "COSMOTE Mobile Telecommunications SA",
      "MCC": "202",
      "MNC": "001",
      "SmsCost": 1.00
    },
    {
      "NetworkName": "COSMOTE Mobile Telecommunications SA",
      "MCC": "202",
      "MNC": "002",
      "SmsCost": 1.00
    }
  ]
}
```



5. Balance Method

Through the following method you can retrieve information on your current balance in credits.

5.1 Method Parameters

Variables	Description	Permitted Values	Compulsory
api_key	Your api-key	Alphanumeric	Yes
action	Indicates the function you have selected	balance	Yes
json	Indicates if the system response will be json formatted	Yes (default) No	No

5.2 System Messages

Message	Description
ok:credits	The system returns your current balance
Err301:Invalid Action	Invalid Action
Err302:Invalid api_key	Invalid api_key

5.3 Sample requests and responses

Request:

`https://services.yuboto.com/web2sms/api/v2/smsc.aspx?action=balance&api_key=XXXXXX`

Response:

`{"ok":"Balance=61.00"}`



6. Cancel Method

Through the following method you can cancel a scheduled message, before the scheduled date and time.

6.1 Method Parameters

Variables	Description	Permitted Values	Compulsory
api_key	Your api-key	Alphanumeric	Yes
action	Indicates the function you have selected	cancel	Yes
id	The id of the scheduled sms	string	Yes
json	Indicates if the system response will be json formatted	Yes (default) No	No

6.2 System Messages

Message	Description
ok:id	The sms was successfully cancelled
Err301:Invalid Action	Invalid Action
Err302:Invalid api_key	Invalid api_key
Err324:Id was not provided	Id was not provided
Err325:Invalid Id	Invalid Id
Err326:Sms already Canceled	Sms already canceled
Err327:Sms already completed. Cannot be canceled	Sms already completed. Cannot be canceled
Err328:Sms is failed. Cannot be canceled	Sms is failed. Cannot be canceled
Err329:Sms in proccess. Cannot be canceled	Sms in proccess. Cannot be canceled
Err330:Sms cannot be canceled	Sms cannot be canceled



6.3 Sample requests and responses

Request:

`https://services.yuboto.com/web2sms/api/v2/smsc.aspx?action=cancel&api_key=XXXXXX&id=YYYYYY`

Response:

```
{"ok": "YYYYYY"}
```

Request:

`https://services.yuboto.com/web2sms/api/v2/smsc.aspx?action=cancel&api_key=XXXXXX&id=ZZZZZZ`

Response:

```
{"error": "Err330:Sms cannot be canceled"}
```