



SMS MESSAGING API (XML/HTTP)

Click SMS Ltd

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tel: +44 20 8819 5034 email: support@clicksms.co.uk web: www.clicksms.co.uk

Overview

This document describes the API for the Click SMS messaging platform. The API provides access to our messaging server and enables you to submit standard rate SMS messages, receive message delivery confirmations and check your SMS credit remaining.

An SMS message is submitted to our messaging server using an XML request over HTTP. Received parameters and values are checked and if valid, the message is queued for delivery. A response is returned indicating the status of the submitted request. Multiple mobile numbers can also be specified in the single XML Request to receive the SMS message.

An SMS delivery receipt is sent to your server if delivery confirmation is specified in the outgoing message. If your server is unreachable or an invalid response is returned then further attempts are made until successfully sent or the time-out period of 48 hours is reached.

SMS Message – Submission

Note: Destination URL for all requests: <http://service.clicksms.co.uk>.

Required XML Parameters:

Name	Description	Example
Txn	The XML transaction name. Identifies this XML to transaction to the Click SMS server. Set to sendsms for submitting single mobile numbers, sendsmsmulti for submitting multiple mobile numbers.	sendsms
AccountID	Valid login account ID.	myloginid
Password	Valid login account password.	mypassword
Message	SMS Message text – maximum 160 characters.	The message
RateCode	1 - (UK), 2 - (International).	1
MobileNo	Remove the '+' sign and any leading zeros when using international codes. A UK number can start "07" or "447".	07731112222

Optional XML Parameters:

Name	Description	Example
SenderID	The name shown on the recipient mobile handset as the sender of the message. Numeric - max length 15, Alphanumeric - max length 11 [a-z] [A-Z] [0-9] _-, no spaces. Default value: ClickSMS.	ClickSMS

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ConfirmDelivery	0 – Don't confirm delivery, 1 – Confirm delivery. Default value: 0.	1
SubmitAt	Submit for future delivery – Format: yyyyMMddhhmm. (Scheduled messages can be managed via the web service).	200605201755
ReplyPath	The destination URL for the delivery confirmation. Required if ConfirmDelivery = 1. Do not specify the 'http:/' prefix in your reply path. Maximum length – 120 characters.	www.myserver.co.uk/s msrec
ReplyKey	The reply key text to be returned with the delivery confirmation. Optional if ConfirmDelivery = 1. Maximum 50 characters. Default value: (unique id set by Click SMS).	156243

Send SMS Message - Response

Response XML Parameters:

Name	Description	Example
JobId	Unique id set by Click SMS.	156243
MobileNo	The submitted mobile number.	07731112222
StatusId	The status of the submitted message. 0 – Message submitted successfully. See below for full list of submission status codes returned and descriptions.	0
StatusText	The status ID description text.	Message submitted successfully

Example SMS Submission Request

You can specify 1 or more mobile numbers to receive the message in your XML request. Examples of both types of XML request and their responses are shown below.

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Single Mobile Number Submission

Send to Click SMS:

POST * HTTP/1.1
From: www.myserver.co.uk
Host: service.clicksms.co.uk
Content-Type: text/xml
Content-Length: 228

```
<Msg>  
  <Txn>sendsms</Txn>  
  <AccountID>myaccountid</AccountID>  
  <Password>mypassword</Password>  
  <Message>test message</Message>  
  <RateCode>1</RateCode>  
  <MobileNo>07731112222</MobileNo>  
</Msg>
```

Response:

HTTP/1.1 200 OK
Server: ClickSMS
Content-Type: text/xml
Content-Length: 92

```
<Msg>  
  <JobId>156243</JobId>  
  <MobileNo>07731112222</MobileNo>  
  <StatusId>0</StatusId>  
  <StatusText>Message submitted successfully</StatusText>  
</Msg>
```

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Single or Multiple Mobile Number Submission

Send to Click SMS:

POST * HTTP/1.1
From: www.myserver.co.uk
Host: service.clicksms.co.uk
Content-Type: text/xml
Content-Length: 228

```
<Msg>  
  <Txn>sendsmsmulti</Txn>  
  <AccountID>myaccountid</AccountID>  
  <Password>mypassword</Password>  
  <Message>test message</Message>  
  <RateCode>1</RateCode>  
  <Mobiles>  
    <MobileNo>07731112222</MobileNo>  
    <MobileNo>07731113333</MobileNo>  
  </Mobiles>  
</Msg>
```

Response:

HTTP/1.1 200 OK
Server: ClickSMS
Content-Type: text/xml
Content-Length: 92

```
<Msg>  
  <JobId>156243</JobId>  
  <SubmitResult>  
    <MobileNo>07731112222</MobileNo>  
    <StatusId>0</StatusId>  
    <StatusText>Message submitted successfully</StatusText>  
  </SubmitResult>  
  <SubmitResult>  
    <MobileNo>07731113333</MobileNo>  
    <StatusId>0</StatusId>  
    <StatusText>Message submitted successfully</StatusText>  
  </SubmitResult>  
</Msg>
```

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Check SMS Credit - Submission

Required XML Parameters:

Name	Description	Example
Txn	The XML transaction name. Identifies this XML to transaction to the Click SMS server. Set to getsmscredit .	getsmscredit
AccountID	Valid login account ID.	myloginid
Password	Valid login account password.	mypassword
RateCode	1 - (UK), 2 - (International).	1

Check SMS Credit - Response

Response XML Parameters:

Name	Description	Example
StatusId	The status of the SMS credit check. 0 – Request processed successfully.	0
RateCode	Confirmation of the rate code for the SMS credit check.	1
CreditsRemaining	The number of credits remaining for the requested rate code.	452

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Example SMS Credit Check

Send to Click SMS:

POST * HTTP/1.1
From: www.myserver.co.uk
Host: service.clicksms.co.uk
Content-Type: text/xml
Content-Length: 228

```
<Msg>  
  <Txn>getsmscredit</Txn>  
  <AccountID>myaccountid</AccountID>  
  <Password>mypassword</Password>  
  <RateCode>1</RateCode>  
</Msg>
```

Response:

HTTP/1.1 200 OK
Server: ClickSMS
Content-Type: text/xml
Content-Length: 92

```
<Msg>  
  <StatusId>0</StatusId>  
  <RateCode>1</RateCode>  
  <CreditsRemaining>452</CreditsRemaining>  
</Msg>
```

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Submission Status ID Values:

Status ID	Status Text
0	Request submitted successfully.
1	Error: Missing or badly formatted XML parameter(s).
2	Error: Missing or badly formatted request value(s).
3	Error: Invalid account ID/password combination.
4	Error: Message length too long, greater than 160 characters.
5	Error: Invalid rate code supplied.
8	Error: Invalid or badly formatted mobile number.
9	Error: Insufficient SMS credits available for specified rate code.
10	Error: Invalid sender id. Max length: 11, [a-z] [A-Z] [0-9], no spaces.
11	Error: Invalid delivery confirmation indicator.
12	Error: Reply path required for delivery confirmation.
14	Error: Invalid or badly formatted URL reply path.
15	Error: Reply path length too long. Max length 120 characters.
16	Error: Reply key length too long. Max length 50 characters.
17	Error: No valid mobile numbers supplied.
18	Error: Too many mobile numbers supplied (Max: 500).
20	Error: System error! - Contact Click SMS.
21	Error: System error! - Contact Click SMS.
22	Error: System error! - Contact Click SMS.
25	Error - Invalid date/time for scheduled delivery, bad format or in the past.
30	Error: Group sub-account is currently disabled.
31	Error: Insufficient SMS credits available on group sub-account for specified rate code.
32	Error: Insufficient SMS credits available on group administrator account for specified rate code.

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Receiving SMS Delivery Confirmation

XML Parameters:

Name	Description	Example
Txn	The XML transaction name. Set to: fwdsmsreceipt.	fwdsmsreceipt
JobId	Unique id set by Click SMS, matches the id returned in the message submission response.	156243
MobileNo	The mobile number that received the message.	07731112222
ReplyKey	The reply key text set on message submission.	myreplykeytext
StatusId	The message delivery status. See on next page for full list of status codes returned.	0
StatusDate	The date and time of the message delivery status. Format: yyyyymmddhhmm	200508031555
StatusText	The delivery status id description text.	Success - Delivered.

Example SMS Delivery Confirmation Receipt

Sent by Click SMS:

POST / HTTP/1.1
From: service.clicksms.co.uk
Host: www.yourserver.co.uk
Content-Type: text/xml
Content-Length: 210

```
<Msg>
  <Txn>fwdsmsreceipt</Txn>
  <JobId>156243</JobId>
  <MobileNo>07731112222</MobileNo>
  <ReplyKey>myreplykeytext</ReplyKey>
  <StatusId>0</StatusId>
  <StatusDate>200508031555</StatusDate>
  <StatusText>Success</StatusText>
</Msg>
```

Response expected:

HTTP/1.1 200 OK
Server: www.yourserver.co.uk
Content-Type: text/xml
Content-Length: 29

```
<Msg><Status>0</Status></Msg>
```

Retries are attempted at the following intervals until the success '0' status is returned as shown above: 1 minute, 5 minutes, 10 minutes, 20 minutes, 30 minutes – and then every 30 minutes for 48 hours. After this period no further attempts will be made.

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Receipt Status ID Values:

Status ID	Status Text
0	Success - Message delivered.
1	Failed: Message rejected by phone.
2	Failed: Quality of service not available.
3	Failed: Invalid, recently ported or disconnected number.
4	Failed: Message validity period has expired.
5	Failed: Network congestion.
6	Failed: Phone busy.
7	Failed: No response from phone.
8	Failed: Error in phone
30	Failed: Reason unknown.

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