



SquareGate SMS Submission

Customer API Documentation

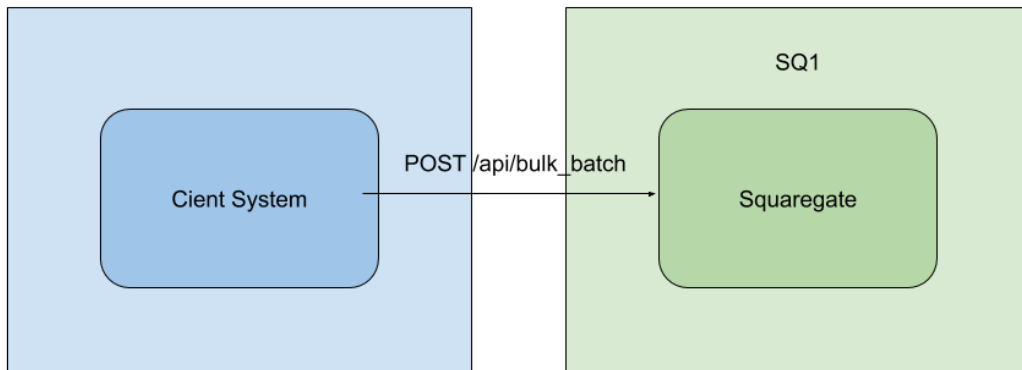
Version 1.0.8

Revisions

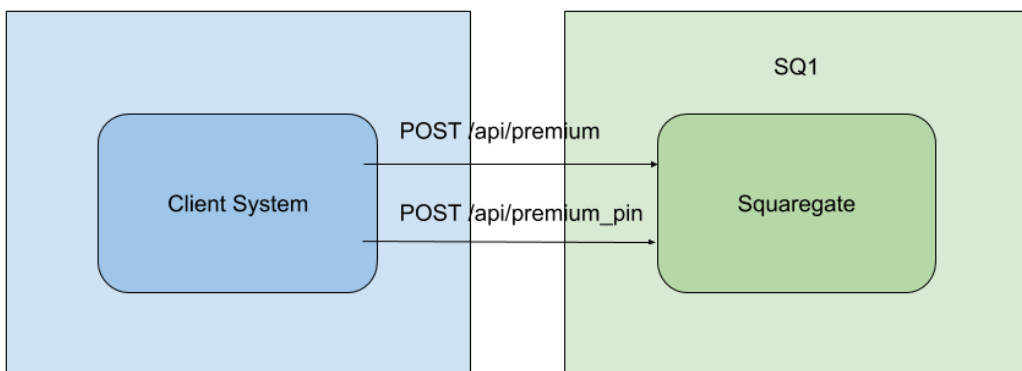
Version	Date	Notes
1.0.0	Wed Mar 14 15:42:00 2018 +0000	Initial
1.0.5	Tue Mar 9 17:00:58 2021 +0000	Ability to schedule sends at a later time
1.0.6	Sat Mar 12 11:48:25 2022 +0000	Receipt forwarding to customer endpoint
1.0.7	Tue Mar 15 12:34:34 2022 +0000	Removal of unused endpoints
1.0.8	Thu Mar 17 13:04:59 2022 +0000	Extra parameters in receipts

Summary

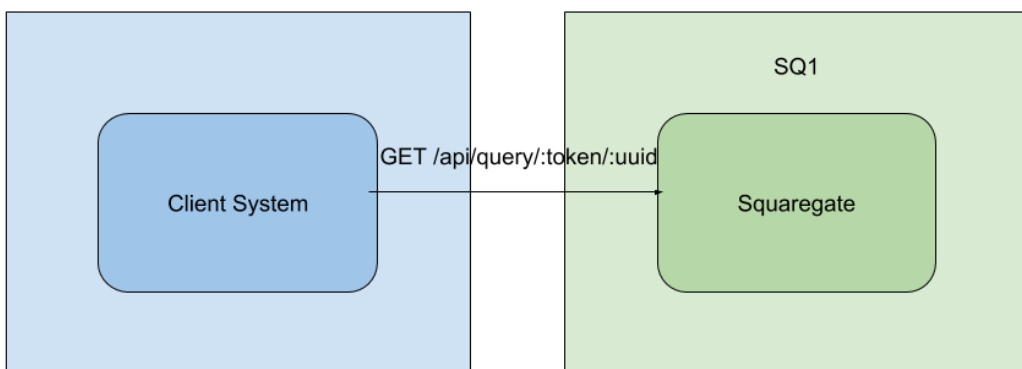
Bulk Message Submission



Premium Message Submission



Reporting



Prerequisites

You will need your "customer access token" for the SquareGate service. Please contact Square 1 support if you do not have one yet. Please keep this token secure and private at all times - you are responsible for any charges incurred on your account/token!

Integration Overview

<https://squaregate.sq1.co.uk/>

You must always use HTTPS, plain HTTP is not supported
Supports RESTful

Bulk Route Submission

Submit one or more messages through our bulk route.

POST /api/bulk

Submit using your access token to a ***single*** number.

Parameters

token	Your SquareGate access token
content	Your message (max: 160 characters)
fromaddr	Number or Alphanum
number	Single MSISDN
custref	An arbitrary reference (sent back upon receipt for tracking purposes)

POST /api/bulk_batch

Submit using your access token to ***one or more*** numbers.

Parameters

token	Your SquareGate access token
content	Your message (max: 160 characters)
fromaddr	Number or Alphanum
numbers	Comma separated list of numbers, e.g.: 44771234567,44777654321,44798765432

Returns (from all Bulk submissions)

```
{
  "transmission": {
    "frommaddr": "0700123456",
    "uuid": "9667008f-8022-4ba8-972f-a7016a600918",
    "messages": [{
      "uuid": "e080e378-5bc4-4507-abe5-d933033ae58c",
      "custref": "987yourref654",
      "content": "Test Message",
      "ref": "mtE8A803B5F581CD983491E3CFFEB4DA",
      "number": "44777123456",
      "sent_time": null,
      "status": "100"
    }]
  }
}
```

Important Notes

- You will receive an initial status of 100, which means we have accepted the message and will try to deliver it. You may find out the final status of the message by using the query URL (later in this document). The message status will denote whether it was successfully delivered or if it failed.
- If you have a receipt endpoint configured, you should note/store the UUID of each individual message (not the transmission UUID) in order to process receipts correctly. See the 'Reporting' section for more information.
- The "custref" field is only available for a single message submission, not a batch of messages.

Premium Route Submission

Submit one or more messages through a premium route.

POST /api/premium

Submit using your access token to a ***single*** number.

Parameters

token	Your SquareGate access token
content	Your message (max: 160 characters)
shortcode	Short dial code
keyword	Keyword
number	Single MSISDN
network	Network mcc/mnc (see appendix A)
custref	An arbitrary reference (sent back upon receipt for tracking purposes)

POST /api/premium_batch

Submit using your access token to ***one or more*** numbers.

Parameters

token	Your SquareGate access token
content	Your message (max: 160 characters)
shortcode	Short dial code
keyword	Keyword
numbers	Comma separated list of numbers with networks, e.g.: 44771234567:23410,44777654321:23415 (see Appendix A)

Returns (from all Premium submissions)

```
{
  "transmission": {
    "uuid": "0e110b36-daac-42b8-b5fc-8dc97ab13191",
    "messages": [{
      "uuid": "e080e378-5bc4-4507-abe5-d933033ae58c",
      "custref": "987yourref654",
      "content": "Premium Test Message",
      "number": "44777123456",
      "shortcode": "12345",
      "keyword": "HELLO",
      "status": "100"
    }]
  }
}
```

Important Notes

- You will receive an initial status of 100, which means we have accepted the message and will try to deliver it. You may find out the final status of the message by using the query URL (later in this document) or when we send the receipt to you. The message status will denote whether it was successfully delivered or if it failed.
- If you have a receipt endpoint configured, you should note/store the UUID of each individual message (not the transmission UUID) in order to process receipts correctly. See the 'Reporting' section for more information.
- The "custref" field is only available for a single message submission, not a batch of messages.

Reporting

When messages have been processed and delivered you may wish to know their status and update your own records accordingly. There are two methods to achieve this;

- 1) Receive a receipt to your pre-configured endpoint.
- 2) Query the API with the UUID of the transmission.

Receipt endpoint

SquareGate will make an HTTP POST request to the endpoint that you have told us, with the following parameters;

uuid	The UUID of the individual message (NB: Not the transmission)
custref	The customer reference field (if specified)
status	A numeric status of the message (see Appendix B)
msisdn	The MSISDN of the original message
sent_time	The time the original message was sent (ISO8601 format)
receipt_time	The time the message was received (ISO8601 format)

Only receipts with a status of "Final" will be sent to your endpoint (see Appendix B)

Querying the API

If no receipt endpoint is configured, or you would prefer to collect the data rather than have it pushed, you can issue a query using the UUID of the transmission. All messages within the transmission will be displayed;

```
GET /api/query/:cust_access_uuid/:transmission_uuid
```

Returns

```
{
  "transmission": {
    "uuid": "0e110b36-daac-42b8-b5fc-8dc97ab13191",
    "messages": [{
      "uuid": "e080e378-5bc4-4507-abe5-d933033ae58c",
```

```
        "custref": "987yourref654",
        "content": "Premium Test Message",
        "ref": "mtA8A803B5F581CD983491E3CFFEB4DA",
        "number": "44777123456",
        "sent_time": "2017-09-10 10:23:21",
        "shortcode": "12345",
        "keyword": "HELLO",
        "status": "200",
    }
}
```

Upon querying a transmission UUID you will see the status, which may or may not have been updated depending upon the result. See appendix B for possible status code responses.

Please allow a reasonable amount of time after submitting a message before accessing the reporting function as the message may still be in delivery. If the status has not changed or is not final (see appendix B) you should query again at a later time. If the status is final (see appendix B) it will not be updated further and the message will have either been completed, rejected or failed.

NB: Results will be cached for 60 seconds. You should not request further updates within this time as they will not have been updated.

Appendix A (Networks)

Available network providers

UK

Network Code	Network Name
23415	UK Vodafone
23410	UK O2
23433	UK Orange
23430	UK T Mobile (NB: Virgin virtual numbering may also be identified as T Mobile)
23420	UK Three
23438	UK Virgin (NB: Virgin non virtual only)
23457	UK Sky

IRELAND

Network Code	Network Name
27201	Vodafone Ireland
27202	O2 Ireland
27203	Meteor Ireland
27205	Three Ireland
27207 (can also be sent as 27203/Meteor)	Eir
27208 (can also be sent as 27203/Meteor)	Eir
27211 (can also be sent as 27205/Three)	Tesco / Liffey
27213 (can also be sent as 27205/Three)	Lyca
27215 (can also be sent as 27205/Three)	Virgin

Appendix B (Status)

Status Responses

Code	Type	Explanation
100	Pending	Accepted by SquareGate for onward delivery
120	Pending	Onward delivery attempted, not yet accepted
200	Final	Delivered
220	Pending	Submitted to network
3XX	Final	Rejected by network (except 371/372, see below)
371	Final	Rejected - MSISDN did not have a valid pin
372	Final	Rejected by gateway after maximum time
4XX	Final	Failed at network
5XX	Final	Error (except 571, see below)
571	Final	System error contacting MSISDN/Pin validation service

NB: A pending status will change once the outcome of the message is known. A final status will not change and you should make the decision to abandon or retry your message submission.