

SMS Magnsendingar API

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API Integration Guide

The Síminn magnSMS API allows organizations to send SMS messages globally (up to 1040 characters) and integrate messaging directly into third-party systems via HTTP/HTTPS.

Prerequisites

Before you begin, you must have an active account.

- **Credentials:** Username (`L`) and Password (`P`).
- **Request Access:** If you do not have credentials, contact radgjof@siminn.is.

Connection Settings

- **Base URL:** `https://vasp.siminn.is/smap/`
- **Protocol:** HTTPS (Recommended) or HTTP.
- **Authentication:** Credentials must be passed as parameters in every request.

1. Sending Messages (`/push`)

Use this endpoint to send a message to a single number, multiple numbers, or a pre-defined group.

Endpoint: POST `https://vasp.siminn.is/smap/push`

Alternative: GET `https://vasp.siminn.is/smap/push`

Request Parameters

Parameter	Required	Description
<code>L</code>	Yes	Your account username.
<code>P</code>	Yes	Your account password.
<code>msisdn</code>	Yes*	Recipient number(s). Separate multiple numbers with <code>,</code> or <code>;</code> . Normal 7 digits Icelandic phone numbers or International phone numbers then format starts with <code>+</code> or <code>00</code> .
<code>T</code>	Yes *	The message text.
<code>group</code>	Cond.*	Name of a pre-defined recipient group.

Parameter	Required	Description
<code>T</code>	Cond.	The message text.
<code>text_template</code>	Cond.	Pre-defined message template name.
<code>A</code>	No	Sender ID (Originator). Maximum 11 characters. From GSM Basic Character Set . A default sender address always set, but you can request multiple additional sender addresses at no extra cost. To add them, simply send the list to radgjof@siminn.is where it will be reviewed and approved by our team.
<code>unicode</code>	No	Use <code>y</code> to support Icelandic characters (ð, þ, etc.). This limits one SMS to 70 chars.
<code>dr</code>	No	Use <code>y</code> to request a Delivery Report ID to check status of message (also used for callback push delivery notification).
<code>flash</code>	No	If set, the SMS appears immediately on the screen (Class 0).
<code>vp</code>	No	Validity Period in minutes (1–4320). Default is 3 days.
<code>reference</code>	No	Custom ID for your tracking purposes.
<code>scheduled</code>	No	Send at a future date (Format: ISO-8601).

* Either `msisdn` or `group` must be provided. Either `T` or `text_template` must be provided.

[!NOTE]

Character Limits & Billing: Standard GSM 7-bit messages allow **160 characters**. If you use `unicode=y`, the limit drops to **70 characters**. Messages exceeding these limits are sent as multiple concatenated SMS segments and billed accordingly.

2. Character Encoding

To ensure that Icelandic characters and special symbols are delivered correctly, you must handle character encoding based on the HTTP method used.

GET Requests

When using HTTP GET, the API assumes that all text strings in the URL parameters are encoded in **ISO-8859-1**.

- **Warning:** If you send UTF-8 encoded strings via GET without conversion, special characters (like *þ*, *æ*, *ö*) will likely appear garbled.

POST Requests

When using HTTP POST, you have more flexibility. You can specify your preferred character set in the `Content-Type` header of your request.

- **Recommended Header:** `Content-Type: application/x-www-form-urlencoded; charset=utf-8`
- The system will read the charset defined in the header and decode the message body accordingly.

3. Status Queries (`/query`)

Check the delivery status of a specific message manually.

Endpoint: GET /smapi/query

Required Parameters:

- **L** : Username
- **P** : Password
- **messageid** : The ID returned by the initial PUSH request.

Response Format:

The service returns three lines of plain text:

1. **Status String** (e.g., DELIVERED , EXPIRED , REJECTED)
2. **Error Code**
3. **Timestamp** of the current status.

Status String	Description
ACCEPTED	Received by the SMS system.
DELIVERED	Successfully delivered to the handset.
EXPIRED	Delivery failed after several attempts (timed out).
UNDELIVERABLE	Could not be delivered (e.g., disconnected number).
REJECTED	Message rejected by system.

4. Delivery Reports (Callbacks)

If the **dr** flag was set in your PUSH request, the system will POST to your **pre-registered*** callback URL once the message reaches a final state.

ParameterDescription

id	The original message ID.
msisdn	The recipient's phone number.
results	DELIVERED , EXPIRED , or UNDELIVERABLE .
text	The content of the message.

* Contact radgjof@siminn.is to register your callback URL

5. Troubleshooting (Error Codes)

Common API Errors

Code	Type	Meaning	Action
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CodeType	Meaning	Action
314	Client Message too long	Keep messages under 540 characters.
401	Auth Unauthorized	Verify your <code>L</code> and <code>P</code> parameters.
403	Limit Throttled	Reduce the frequency of your API calls.
500	ServerSystem Error	Wait a few seconds and retry.
600	Billing Insufficient Credit	Top up your account balance.

Encoding Issues (Stafabrengru)

Symptom	Cause	Solution
<code>ö</code> becomes <code>d</code>	No Unicode flag	Set <code>unicode=y</code> in the request.
<code>þ</code> becomes <code>Ã¼</code>	UTF-8 sent to GET	Use POST with <code>charset=utf-8</code> or convert to ISO-8859-1.
<code>ö</code> becomes <code>?</code>	Incorrect charset header	Ensure <code>Content-Type</code> header matches your payload encoding.

6. Implementation Examples

Python (POST with UTF-8)

Python

```
import requests

url = 'https://vasp.siminn.is/smap/push'
headers = {'Content-Type': 'application/x-www-form-urlencoded; charset=utf-8'}

payload = {
    'L': 'your_username',
    'P': 'your_password',
    'msisdn': '354XXXXXXX',
    'T': 'Hyldýpi þjóðfélagsins vex úr kærkomnu böli í ást',
    'unicode': 'y',
    'dr': 'y',
    'A': 'Siminn'
}

response = requests.post(url, data=payload, headers=headers)
print(response.text)
```

CURL

Bash

```
curl -X POST -H "Content-Type: application/x-www-form-urlencoded; charset=utf-8" \
--data-ascii "L=USER&P=PASS&msisdn=354XXXXXXX&T=TestMessage&unicode=y" \
https://vasp.siminn.is/smap/push
```

Need further help? Would you like me to generate a template for the callback listener URL so you know how to process

incoming delivery reports?
