



MarzSms

SMS, Airtime & Data API Integration Guide

Base URL: <https://marzsms.wearemarz.com/api/v1>

Docs: <https://marzsms.wearemarz.com/docs>

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1. Overview

MarzSms provides a REST API for sending SMS in Uganda (UGX), checking balance, viewing SMS history, topping up via mobile money, and buying MTN/Airtel/Lyca airtime or data from the same shared wallet.

- **Auth:** HTTP Basic — `base64(api_key:api_secret)`
- **Format:** JSON request/response
- **Currency:** UGX

2. Authentication

Create an API key pair in the dashboard under **Settings & Tools → API Keys**. Keys start with `sk_`.

Never commit API secrets. Store them in environment variables. The secret is shown only once at creation.

Example header:

```
Authorization: Basic <base64(api_key:api_secret)>
```

3. Endpoints

Method	Path	Description
POST	/sms/send	Send SMS (1 = sync 200; ≥ 2 = queued 202)
GET	/account/balance	Balance and cost per SMS
GET	/sms/history	Paginated SMS history
POST	/account/topup	Initiate MoMo top-up
GET	/account/topup/{reference}	Poll top-up status
GET	/airtime/catalog	Networks and data bundles

Method	Path	Description
GET	/airtime/detect-network	Preview network from MSISDN
POST	/airtime	Buy airtime or data bundle
GET	/airtime/{reference}	Purchase status (poll if pending)
GET	/airtime	Purchase history (paginated)
POST	/phone-verification/verify	Add-on: confirm registered name before airtime/data
GET	/phone-verification/service	Name-confirmation add-on status

3.1 Send SMS

POST <https://marzsms.wearemarz.com/api/v1/sms/send>

Field	Required	Notes
recipient	Yes	One number or comma-separated list
message	Yes	SMS body; 160 GSM chars $\approx$ 1 unit

3.2 Account balance

GET <https://marzsms.wearemarz.com/api/v1/account/balance> returns `balance`, `currency`, and `cost_per_sms`.

3.3 SMS history

GET https://marzsms.wearemarz.com/api/v1/sms/history?page=1&per_page=20 — `per_page` max 100.

3.4 Account top-up

POST <https://marzsms.wearemarz.com/api/v1/account/topup>

Field	Required	Notes
amount	Yes	500–10,000,000 UGX (credit amount)
phone_number	Yes	+256... / 256... / 0...

Field	Required	Notes
reference	No	UUID; generated if omitted
description	No	Max 255 characters

A service charge is added to the MoMo prompt. Poll `GET /account/topup/{reference}` until completed or failed.

3.5 Airtime & data

Buy MTN, Airtel, or Lyca Uganda airtime and data bundles using the same shared wallet as SMS (`account_balance`). Network is detected from the MSISDN on the provider side — do not send a `network` field on purchase.

Network	Airtime	Data bundles	Notes
MTN	Yes	Yes	Usually completes immediately
Airtel	Yes	Yes	Data may return HTTP <code>202</code> with status <code>pending</code> — poll status
Lyca	Yes	No	Airtime only

Catalog — `GET https://marzsms.wearemarz.com/api/v1/airtime/catalog`

Returns networks and data bundles. Use each item's `product_id` as `bundle_id` when purchasing a bundle.

Detect network — `GET https://marzsms.wearemarz.com/api/v1/airtime/detect-network?msisdn=256771234567`

Optional preview of MTN / Airtel / Lyca for a phone number.

Purchase — `POST https://marzsms.wearemarz.com/api/v1/airtime`

Field	Required	Notes
purchase_type	Yes	<code>airtime</code> or <code>bundle</code>

Field	Required	Notes
msisdn	Yes	Uganda number (07... / 256... / +256...)
amount	For airtime	UGX; typically 500–10,000,000. Do not send for bundles
bundle_id	For bundle	Catalog <code>product_id</code> . Do not send <code>amount</code>
reference	No	UUID; generated if omitted

Example airtime body:

```
{"purchase_type":"airtime","msisdn":"256771234567","amount":5000}
```

Example data bundle body:

```
{"purchase_type":"bundle","msisdn":"256771234567","bundle_id":"RACT_UG_Data_201"}
```

Successful responses return purchase data including `reference` and `status` (`completed` , `pending` , `failed` , or `refunded`). Airtel data may respond with HTTP `202` while still `pending` .

Status — GET `https://marzsms.wearemarz.com/api/v1/airtime/{reference}`

Poll until status is no longer `pending` .

History — GET `https://marzsms.wearemarz.com/api/v1/airtime?page=1&per_page=20`
`per_page` max 100.

3.6 Confirm recipient name (airtime/data add-on)

Optional step before buying airtime or data: look up the name registered on the phone number so you can confirm it is the intended recipient. Not required to purchase. Free.

Service info — GET `https://marzsms.wearemarz.com/api/v1/phone-verification/service`

Confirm name — POST `https://marzsms.wearemarz.com/api/v1/phone-verification/verify`

Field	Required	Notes
phone_number	Yes	Uganda number (07... / 256... / +256...)

```
{"phone_number":"256771234567"}
```

Success includes `data.full_name`, `first_name`, `last_name`, and `verification_status`.

4. Error codes

HTTP	Meaning
401	Missing or invalid credentials
402	Insufficient balance
403	International SMS not allowed
404	Top-up or airtime purchase not found
409	Duplicate transaction
422	Validation or purchase failure
500	Server / provider error

Error body shape: `{"success":false,"message":"...","error":"error_code"}`

5. Go-live checklist

1. Create API keys and store them securely
2. Verify auth with `GET /account/balance`
3. Send a test SMS to a Uganda number
4. Handle `402 insufficient_balance` and top up
5. For bulk (≥ 2 recipients), handle HTTP 202 + `dispatch_id`
6. For airtime/data: fetch catalog → purchase → poll status if `pending`
7. Download OpenAPI / Postman / AI skill from <https://marzsms.wearemarz.com/docs/integration-tools>
8. Test in the API playground before production traffic

6. Integration tools

Tool	URL
API playground	https://marzsms.wearemarz.com/docs/api-playground
Integration tools	https://marzsms.wearemarz.com/docs/integration-tools
Human docs	https://marzsms.wearemarz.com/docs

7. Support

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