

# REST API

Jojka has a powerful API. Expand your application to also communicate with Jojka. It is very easy to get started. Technical documentation of all functions can be found below.

## General

- All functions must be called via the URL <https://www.jojka.nu/websms/api><URL endpoint>
- All calls to the API must be made using **https**, not http.
- All calls to the API must be made as a **POST**, where all parameters are sent in the body.
- All strings must be encoded in **UTF-8**.
- The parameter **API\_key** must be sent in all calls.
- All responses are in the format **JSON**.
- Mobile numbers must be given in MSISDN format, which means international mobile numbers without the introductory + or 00. For example 46709771337 or 46709966666. Read more about MSISDN here <https://en.wikipedia.org/wiki/MSISDN>.
- Parameters marked with an asterisk\* are obligatory.
- Parameters marked with an asterisk within brackets (\*) are obligatory as alternatives to each other. That is, one of the parameters must be given
- Please note that the system use UTC ± 0 as standard time

## API functions

| URL endpoint                      | Description  | Page |
|-----------------------------------|--|------|
| /add_campaign                     | Send an SMS to several recipients, and make the statistics for this available via both Jojka's GUI and API.  | 3    |
| /add_contact                      | Save a contact in Jojka's system.  | 4    |
| /add_contact_to_group             | Mark a contact as a member of a group. A contact can be a member of no, one or several groups at the same time. Group membership is used to easily define recipients of a campaign without having to list all the numbers. | 4    |
| /export_contacts_list             | Fetch saved contacts from Jojka's system.  | 5    |
| /fetch_replies                    | Fetch list of SMS sent from external units to your Jojka account.  | 5    |
| /get_msg_ids_by_campaign_id       | Fetch all SMS IDs for a particular campaign ID.  | 6    |
| /get_msg_status                   | Fetch delivery status of an SMS.   | 7    |
| /import_contacts_list             | Save several contacts in Jojka's system.   | 7    |
| /rm_contact_from_group            | Unmark a contact as a member of a group.   | 8    |
| /send                             | Send an SMS to a recipient   | 8    |
| /get_campaign_recipients_statuses | Getting message id from a campaign with status report  | 9    |
| /cancel_campaign                  | Cancel a previously scheduled campaign   | 9    |
| /rm_contact                       | Remove a contact   | 10   |
| /get_groups_from_msisdn           | Get all groups a contact belongs to  | 10   |
| /rm_from_blocklist                | Remove a number from the blocklist   | 10   |
| /add_to_blocklist                 | Add a number to the blocklist  | 11   |
| /check_if_in_blocklist            | Check if a number is in the blocklist  | 11   |

## /add\_campaign

| Parameter    | Details  |
|--------------|--|
| to_msisdn(*) | One or more mobile numbers for the recipients of the SMS, separated by a semi-colon. Example: 46709771337;46709966666. Up to 1000 recipients can be specified in this way. For larger volumes multiple requests should be used.  |
| to_group(*)  | <p>One or more contact groups that will receive the SMS, separated by a semi-colon. All contacts saved at Jojka and that are members of at least one of the listed groups will receive the SMS.</p> <p>There is a special group named “all”. If this is stated, the SMS is sent to all contacts that you as a customer have saved in Jojka.</p>  |
| msg*         | Contents of the SMS.   |
| from         | <p>Can be added to one or more specific pre-ordered sender names.</p> <p>It is also possible to order free text names, this parameter can then be applied to any string, although restricted to a-z, A-Z, 0-9 and separators such as - and _. Max 11 characters.</p> <p>Specific user names or free text names are ordered from Jojka.</p> <p>If the parameter is left out, your account's Jojka number is used as sender.</p> |
| scheduled    | Time when the campaign should start to be sent. Must be given in the format “YYYY-MM-DD hh:mm:ss”, for example “2016-05-31 12:18:52”   |
| name         | Campaign name. Only used for internal statistics and follow up, never shown to recipients of the campaign.   |

## Example

**URL:** POST [https://www.jojka.nu/websms/api/add\\_campaign](https://www.jojka.nu/websms/api/add_campaign)

**Call contents:** API\_key=foobar&to\_msisdn=46709771337%3B46709966666&msg=hello

%20world&scheduled=2016-05-31%2013%3A37%3A00&name=test+campaign

**Obtained response:**

```
{
  "campaign_id": "287359"
}
```

## /add\_contact

| Parameter | Details   |
|-----------|---|
| msisdn*   | Contact's mobile number.  |
| name*     | Contact's name.   |
| group     | One or several group names to share the contact, separated by semi-colon. |

## Example

**URL:** POST [https://www.jojka.nu/websms/api/add\\_contact](https://www.jojka.nu/websms/api/add_contact)

**Call contents:** API\_key=foobar&msisdn=46709771337&name=Lilleman&group=Utvecklare%3BJojka%20personal

**Obtained response:**

```
{
  "msisdn": "46709771337"
}
```

## /add\_contact\_to\_group

| Parameter | Details   |
|-----------|---|
| msisdn*   | An existing contact's mobile number.                      |
| group*    | Group name, which the stated contact will be a member of. |

## Example

**URL:** POST [https://www.jojka.nu/websms/api/add\\_contact\\_to\\_group](https://www.jojka.nu/websms/api/add_contact_to_group)

**Call contents:** API\_key=foobar&msisdn=46709771337&group=gruppnamn2

**Obtained response:**

```
{
  "msisdn": "46709771337",
  "group": "gruppnamn2"
}
```

## /export\_contacts\_list

| Parameter | Details   |
|-----------|---|
| max       | Maximum number of contacts in this call. Maximum value is 10000. If the parameter is not stated, the value will be 100. |
| offset    | Ignore this many contacts before the export starts. If the parameter is not stated, the value will be 0.                |

### Example

**URL:** POST [https://www.jojka.nu/websms/api/export\\_contacts\\_list](https://www.jojka.nu/websms/api/export_contacts_list)

**Call contents:** API\_key=foobar

#### Obtained response:

```
{
  "export": [
    {
      "msisdn": "46709771337",
      "name": "Lilleman",
      "groups": [
        "Utvecklare",
        "Jojka personal",
        "gruppnamn2"
      ]
    },
    {
      "msisdn": "46709966666",
      "name": "Rutger Lindquist",
      "groups": [
        "VD"
      ]
    }
  ]
}
```

## /fetch\_replies

| Parameter   | Details  |
|-------------|--|
| from_msisdn | Only fetch messages with this sender.<br><br>If the parameter is left out, incoming messages are fetched from all senders. |
| since_time  | Only fetch messages received later than  |

| Parameter | Details  |
|-----------|--|
|           | <p>this time. Must be given in the format “YYYY-MM-DD hh:mm:ss”, for example “2016-05-31 12:58:05”.</p> <p>Messages a maximum of 96 hours old are fetched.</p> <p>If the parameter is left out, all messages that have come in over the last 96 hours are fetched.</p> |

## Example

**URL:** POST [https://www.jojka.nu/websms/api/fetch\\_replies](https://www.jojka.nu/websms/api/fetch_replies)

**Call contents:** API\_key=foobar

**Obtained response:**

```
[
  {
    "inserted": "2016-05-31 13:00:06",
    "sender": "46709771337",
    "message": "Sure"
  },
  {
    "inserted": "2016-05-31 13:01:13",
    "sender": "46709771337",
    "message": "Bacon"
  }
]
```

## /get\_msg\_ids\_by\_campaign\_id

| Parameter    | Details   |
|--------------|---|
| campaign_id* | The ID of the campaign whose SMS ID is requested. |

## Example

**URL:** POST [https://www.jojka.nu/websms/api/get\\_msg\\_ids\\_by\\_campaign\\_id](https://www.jojka.nu/websms/api/get_msg_ids_by_campaign_id)

**Call contents:** API\_key=foobar&campaign\_id=287359

**Obtained response:** ["116690255", "116690256"]

## /get\_msg\_status

| Parameter | Details                                      |
|-----------|--|
| msg_id*   | The ID of the SMS whose status is requested. |

### Example

**URL:** POST [https://www.jojka.nu/websms/api/get\\_msg\\_status](https://www.jojka.nu/websms/api/get_msg_status)

**Call contents:** API\_key=foobar&msg\_id=116690255

**Obtained response:**

```
[  
  "DELIVERED"  
]
```

## /import\_contacts\_list

| Parameter            | Details   |
|----------------------|---|
| contacts_list(*)     | CSV formatted string.<br>Encoding: UTF-8 Line<br>break: \n Separators: ,<br>or ; Text limiter: is<br>missing<br><br>Columns:<br>msisdn;name;group1;group2;group3;...<br><br>Note that because the text limiter is missing, the<br>characters “,” and “;” must not be used in any<br>fields. |
| contacts_list_url(*) | A URL that points to a CSV formatted string<br>according to the above specification.  |

### Example

**URL:** POST [https://www.jojka.nu/websms/api/import\\_contacts\\_list](https://www.jojka.nu/websms/api/import_contacts_list)

**Call contents:** API\_key=foobar&contacts\_list=46709771337%3BLilleman%3BUtvecklare  
%3BJojka%20personal%0A46709966666%3BRutger%20Lindquist%3BVD



**Obtained response:**

```
{
  "successes": "done"
}
```

## /rm\_contact\_from\_group

| Parameter | Details                                |
|-----------|--|
| msisdn*   | Contact's mobile number.               |
| group*    | Remove stated contact from this group. |

## Example

**URL:** POST [https://www.jojka.nu/websms/api/rm\\_contact\\_from\\_group](https://www.jojka.nu/websms/api/rm_contact_from_group)

**Call contents:** API\_key=foobar&msisdn= 46709771337&group=Utvecklare

**Obtained response:**

```
{
  "msisdn": "46709771337",
  "group": "Utvecklare"
}
```

## /send

| Parameter | Details  |
|-----------|--|
| to*       | A mobile number received by the SMS  |
| msg*      | The SMS contents.  |
| from      | <p>Can be added to one or more specific pre-ordered sender names.</p> <p>It is also possible to order free text names, this parameter can then be applied to any string, although restricted to a-z, A-Z, 0-9 and separators such as - and _. Max 11 characters.</p> <p>Specific user names or free text names are ordered from Jojka.</p> <p>If the parameter is left out, your account's Jojka number is used as sender.</p> |

## Example

**URL:** POST <https://www.jojka.nu/websms/api/send>

**Call contents:** API\_key=foobar&to=46709771337&msg=hello%20world

**Obtained response:**

```
{
  "message_id": "116690855"
}
```

## /get\_campaign\_recipients\_status

| Parameter   | Details   |
|-------------|---|
| campaign_id | Campaign ID that you have got when you've sent a campaign |
| API_key     | Your api key from us.                                     |

Obtained respons:

```
[{"receiver": "467352xxxxxx", "message_id": "1900607", "status": "DELIVERED"},
{"receiver": "4670903xxxxxx", "message_id": "1925062", "status": "ERROR"},
{"receiver": "4670903xxxxxx", "message_id": "1925062", "status": "SENT"}]
```

SENT The message have been sent to the cellphone, but the operator have not notify us if any issue with the network, wrong cellphone number or with cell phone yet.

ERROR Something wrong on the way, the issue can be the network, wrong cellphone number or with cell phone.

DELIVERED The operator check have clear this sms and no problem have been detected

Note In special case, it takes a bit longer to be notified the status from SENT to ERROR or DELIVERED. The reason for that is that the mobile operator have not yet sent back the status rapport. This eventual cause will be solved soon.

## /cancel\_campaign

**URL:** POST [https://www.jojka.nu/websms/api/cancel\\_campaign](https://www.jojka.nu/websms/api/cancel_campaign)

**Call contents:** API\_key=foobar&campaign\_id=1

| Parameter   | Details   |
|-------------|---|
| campaign_id | Campaign ID that you have got when you've sent a campaign |
| API_key     | Your api key from us.                                     |

Obtained response:

```
{
  "successes": "done"
}
```

## **/rm\_contact**

**URL:** POST [https://www.jojka.nu/websms/api/rm\\_contact](https://www.jojka.nu/websms/api/rm_contact)

**Call contents:** API\_key=foobar&msisdn= 46709771337

| Parameter | Details                  |
|-----------|--------------------------|
| msisdn*   | Contact's mobile number. |
| API_key   | Your api key from us.    |

Obtained response:

```
{
  "successes": "done"
}
```

## **/get\_groups\_from\_msisdn**

**URL:** POST [https://www.jojka.nu/websms/api/get\\_groups\\_from\\_msisdn](https://www.jojka.nu/websms/api/get_groups_from_msisdn)

**Call contents:** API\_key=foobar&msisdn= 46709771337

| Parameter | Details                  |
|-----------|--------------------------|
| msisdn*   | Contact's mobile number. |
| API_key   | Your api key from us.    |

Obtained response:

```
{
  "groups": [1,2,3,4]
}
```

## **/rm\_from\_blocklist**

**URL:** POST [https://www.jojka.nu/websms/api/rm\\_from\\_blocklist](https://www.jojka.nu/websms/api/rm_from_blocklist)

**Call contents:** API\_key=foobar&msisdn= 46709771337

| Parameter | Details                  |
|-----------|--------------------------|
| msisdn*   | Contact's mobile number. |
| API_key   | Your api key from us.    |

Obtained response:

```
{
  "successes": "done"
}
```

## **/add\_to\_blocklist**

**URL:** POST [https://www.jojka.nu/websms/api/add\\_to\\_blocklist](https://www.jojka.nu/websms/api/add_to_blocklist)

**Call contents:** API\_key=foobar&msisdn= 46709771337

| Parameter | Details                  |
|-----------|--------------------------|
| msisdn*   | Contact's mobile number. |
| API_key   | Your api key from us.    |

Obtained response:

```
{
  "successes": "done"
}
```

## **/check\_if\_in\_blocklist**

**URL:** POST [https://www.jojka.nu/websms/api/check\\_if\\_in\\_blocklist](https://www.jojka.nu/websms/api/check_if_in_blocklist)

**Call contents:** API\_key=foobar&msisdn= 46709771337

| Parameter | Details                  |
|-----------|--------------------------|
| msisdn*   | Contact's mobile number. |
| API_key   | Your api key from us.    |

Obtained response:

```
{
  "in_blocklist": true # Or false
}
```