

**HANDBOOK
DIRECT100 API
V2**

Direct100 API V2

Direct100 API V2 allows you to develop and test programs in any coding language. You can use the API to send different type of messages and consult your Direct100 account data, as delivery reports and your balance.

Table of contents

- [Formats](#): Information about supported formats.
- [Autenticazione](#): Authentication process
 - [Permanent Token](#): How to get a permanent token.
 - [Temporary Token](#): How to get a temporary Token
 - [Request](#): Example of temporary token request.
 - [Response](#): Example of temporary token answer
- [Sms](#): Information about different SMS.
 - [Request](#): Request examples
 - [Response](#): Answer example
- [Rapporti](#): Consult delivery reports
 - [Request](#): Request example
 - [Response](#): Answer example
- [Arrivi](#): Consult received messages
 - [Request](#): Request example
 - [Response](#): Answer example
- [Saldo](#): Consult balance.
 - [Request](#): Example balance request
 - [Response](#): Example balance answer
- [Canali Push](#): Consult Push Channels
 - [Request](#): Example of Push Channels request.
 - [Response](#): Example of Push Channels answer.
- [Attachment](#): Consult error codes.

Formats

Supported formats

Direct100 API V2 supports various format types, both for request and answers. You can choose your favourite format among:

- JSON (application/json)
- XML (application/xml e text/xml)
- Html (text/html)

The format must be defined in the heade of the request (headers: "Content-Type"). When not specified the answer's (Headers: "Accept") format will be the same of the request.

Authentication

Authentication

For security reasons, the access to Direct100 API V2 is possible just using a secure connection. The main address is:

`https://sms.direct100.co.uk/API/{token}/V2`

To log in in Direct100 API V2 you need to provide a valide token. There are 2 token types: permanent and temporary.

Permanent token

Permanent tokens can be requested emailing geral@direct100.co.uk. These tokens decays justwhen requested. For security reasons these tokens are limited to 100 requests/hour.

Temporary token

The temporary tokens last just for a defined time. Differently than permanent token do not have any request/hour limitation. To get a temporary token you have to send a request (http POST) with the following parameters:

POST `https://sms.direct100.co.uk/API/V2/Auth`

Parameters

Username	The email used to log in in Direct100.
obbligatorio	
Password	Is the password you received when you signed up to crate your account
obbligatorio	
Expires	It's the validity period of the token. For times longer than 720 minutes the requests are limited to 100/hour, as for the permanent token.
opzionale	

Request example

POST https://sms.direct100.co.uk/API/V2/Auth

POST Data (application/x-www-form-urlencoded):

username=xxx@yyy.com&password=xyz&expires=10

POST Data (application/json):

```
{"Username": "xxx@yyy.com", "Password": "xyz", "Expires": "10"}
```

POST Data (application/xml):

```
<Auth>
  <Username>xxx@yyy.com</Username>
  <Password>xyz</Password>
  <Expires>1</Expires>
</Auth>
```

Answer example

HTTP/1.1 200 OK

Content-Type: application/json;

```
{"Token": "W61LJ47QP92IY83CB56KZ54NR83TM72D", "Expires": "1"}
```

HTTP/1.1 200 OK

Content-Type: application/xml;

```
<AuthResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
```

```
<Token>W61LJ47QP92IY83CB56KZ54NR83TM72D</Token>
<Expires>9</Expires>
</AuthResponse>
```

In case that some errors occur, the answer will be in the following format:

```
HTTP/1.1 200 OK
Content-Type: application/json;
{"Error": "ERROR05", "Description": "Invalid Credentials"}
```

```
HTTP/1.1 200 OK
Content-Type: application/xml;
<ErrorResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <Error>ERROR05</Error>
  <Description>Invalid Credentials</Description>
</ErrorResponse>
```

Sms

Sending SMS

To send SMS you need to send a (HTTP POST) with the following parameters:

POST <https://sms.direct100.co.uk/API/{token}/V2/Sms>

Parametri

Username The email used to log in into Direct100 account.
obbligatorio

Message The message to send, limit to 160 characters.
obbligatorio

Telephones List of numbers to send the message
obbligatorio

DateToSend Date in the format "dd-mm-yyyy hh:mm". If requested, the message will be
opzionale scheduled for the requested date, otherwise will be sent immediately.

Sender Message's sender. Must be associated with the Direct100 account. Default
opzionale sender is "1040".

Type Type of SMS to send. You have the following options:

opzionale

SMS

Long_SMS

Unicode_SMS

Low_Cost

Default option is "SMS".

opzionale

Request example

POST <https://sms.direct100.co.uk/API/W61LJ47QP92IY83CB56KZ54NR83TM72D/V2/Sms>

POST Data (application/x-www-form-urlencoded):

username=xxx@yyy.com&Message=Teste Direct100 API

V2&Telephones=351910000000&Telephones=351960000000&DateToSend=01-01-2020

08:00&Sender=Direct100&Type=Wap_Push&Wap=www.direct100.co.uk

POST Data (application/json):

```
{"Username":"xxx@yyy.com","Message":"Teste Direct100 API
```

```
V2","Telephones":["351910000000","351960000000"],"DateToSend":"01-01-2020
```

```
08:00","Sender":"Direct100","Type":"Wap_Push","Wap":"www.direct100.co.uk"}
```

POST Data (application/xml):

```
<Sms>
```

```
  <Username>xxx@yyy.com</Username>
```

```
  <Message>Teste Direct100 API V2</Message>
```

```
  <Telephones>
```

```
    <Tel>351910000000</Tel>
```

```
    <Tel>351910000000</Tel>
```

```
</Telephones>
```

```
<DateToSend>01-01-2020 08:00</DateToSend>
<Sender>Direct100</Sender>
<Type>Wap_Push</Type>
<Wap>www.direct100.co.uk</Wap>
</Sms>
```

Anwer example

```
HTTP/1.1 200 OK
Content-Type: application/json;
{"Id":"FrZzOZ8Dalg=", "Balance": "1,75 euros"}
```

```
HTTP/1.1 200 OK
Content-Type: application/xml;
<SmsResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <Id>FrZzOZ8Dalg=</Id>
  <Balance>1,75 euros</Balance>
</SmsResponse>
```

In case any arrers occur, the answer will be the next format:

```
HTTP/1.1 200 OK
Content-Type: application/json;
{"Error": "ERROR03", "Description": "Invalid Token"}
```

```
HTTP/1.1 200 OK
Content-Type: application/xml;
<ErrorResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <Error>ERROR03</Error>
  <Description>Invalid Token</Description>
</ErrorResponse>
```

You can consult the meaning of the different types of errors in the following attachment.

Reports

Consult delivery reports

To consult the delivery report you have to send a request (http GET) with the following parameters:

GET <https://sms.direct100.co.uk/API/{token}/V2/Report>

If no parameters is specified, will be sent the latest available reports.

Parameters

Id	Id of the report you want to consult.
opzionale	
Telephones	List of numbers you want to consult the report for.
opzionale	
Start	Date in the format "dd-mm-yyyy hh:mm". Date from which you want to consult the report from.
opzionale	
End	Date in the format "dd-mm-yyyy hh:mm". Date until when you want to consult the reports.
opzionale	
Offset	Number of the report you want to receive the report from.
opzionale	
Count	Number of reports you want to receive.
opzionale	

Request example

GET <https://sms.direct100.co.uk/API/W61LJ47QP92IY83CB56KZ54NR83TM72D/V2/Report>

GET

<https://sms.direct100.co.uk/API/W61LJ47QP92IY83CB56KZ54NR83TM72D/V2/Report?id=FrZzOZ8Dalg=&telephones=351910000000&telephones=351960000000&start=07-02-2013%2010:00&end=07-02-2013%2018:00&count=5&offset=10>

Answer example

HTTP/1.1 200 OK

Content-Type: application/json;

```
{"Reports":[{"Id":"FrZzOZ8Dalg=","Telephone":"351910000000","SentDate":"04-10-2013 10:00","ReportDate":"04-10-2013 10:01","Status":"Delivered"}, {"Id":"FrZzOZ8Dalg=","Telephone":"351960000000","SentDate":"04-10-2013 10:00","ReportDate":"04-10-2013 10:03","Status":"Delivered"}]}
```

HTTP/1.1 200 OK

Content-Type: application/xml;

```
<ReportResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
```

```
<Report>
```

```
<Id>FrZzOZ8Dalg=</Id>
```

```
<Telephone>351910000000</Telephone>
```

```
<SentDate>04-10-2013 10:00</Sentdate>
```

```
<ReportDate>04-10-2013 10:01</ReportDate>
```

```
<Status>Delivered</Status>
```

```
</Report>
```

```
<Report>
```

```
<Id>FrZzOZ8Dalg=</Id>
```

```
<Telephone>351960000000</Telephone>
```

```
<SentDate>04-10-2013 10:00</Sentdate>
```

```
<ReportDate>04-10-2013 10:03</ReportDate>
```

```
<Status>Delivered</Status>
```

```
</Report>
```

```
</ReportResponse>
```

Nel caso in cui intervengano errori, la risposta apparirà con il seguente formato:

HTTP/1.1 200 OK

Content-Type: application/json;

```
{"Error":"ERROR03","Description":"Invalid Token"}
```

HTTP/1.1 200 OK

Content-Type: application/xml;

```
<ErrorResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <Error>ERROR03</Error>
  <Description>Invalid Token</Description>
</ErrorResponse>
```

You can consult the meaning of the different errors type in the attachment.

Received

Consult received messages

To consult the received messages you must send the request (http GET) with the following parameters:

GET <https://sms.direct100.co.uk/API/{token}/V2/Reply>

If you do not specify any parameter, it will be the one for the last received message.

Parameters

Start	Date format "dd-mm-yyyy hh:mm". Date from which you want to obtain the received messages.
End	Dates of the format "dd-mm-yyyy hh: mm". Until you want to get received messages to which you want to get the messages received.
Offset	Number of message you want to receive the report from.
Count	Number of messages you want to receive.

Request example

```
GET https://sms.direct100.co.uk/API/W61LJ47QP92IY83CB56KZ54NR83TM72D/V2/ReplyGET
https://sms.direct100.co.uk/API/W61LJ47QP92IY83CB56KZ54NR83TM72D/V2/Reply?start=07
-02-2013%2010:00&end=07-02-2013%2018:00&count=5&offset=10
```

Answer example

```
HTTP/1.1 200 OK
Content-Type: application/json;
{"Replies":[{"ShortNumber":"4010","Keyword":"Direct100","Telephone":"351910000000","Date":"06
-02-2013 16:46:29","Message":"Direct100 Teste
1"},{"ShortNumber":"4010","Keyword":"Direct100","Telephone":"351960000000","Date":"06-02-
2013 16:43:08","Message":"Direct100 Teste 2"}]}
```

```
HTTP/1.1 200 OK
Content-Type: application/xml;
<ReplyResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <Reply>
    <ShortNumber>4010</ShortNumber>
    <Keyword>Direct100</Keyword>
    <Telephone>351910000000</Telephone>
    <Date>06-02-2013 16:46:29</Date>
    <Message>Direct100 Teste 1</Message>
  </Reply>
  <Reply>
    <ShortNumber>4010</ShortNumber>
    <Keyword>Direct100</Keyword>
    <Telephone>351960000000</Telephone>
    <Date>06-02-2013 16:43:08</Date>
    <Message>Direct100 Teste 2</Message>
  </Reply>
</ReplyResponse>
```

Nel caso in cui intervengano errori, la risposta apparirà con il seguente formato:

```
HTTP/1.1 200 OK
Content-Type: application/json;
{"Error":"ERROR03","Description":"Invalid Token"}
```

```
HTTP/1.1 200 OK
Content-Type: application/xml;
```

```
<ErrorResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <Error>ERROR03</Error>
  <Description>Invalid Token</Description>
</ErrorResponse>
```

Balance

Consult balance

To consult the available balance of your Direct100 account, you will need to send a request (HTTP GET) to the following url:

GET https://sms.direct100.co.uk/API/{token}/V2/Balance

Request example

GET https://sms.direct100.co.uk/API/W61LJ47QP92IY83CB56KZ54NR83TM72D/V2/Balance

Answer example

HTTP/1.1 200 OK

Content-Type: application/json;

```
{"Balance": "1,04 euros"}
```

HTTP/1.1 200 OK

Content-Type: application/xml;

```
<BalanceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
```

```
  <Balance>1,04 euros</Balance>
```

```
</BalanceResponse>
```

In case of any errors, the answer's format is the following:

HTTP/1.1 200 OK

Content-Type: application/json;
{ "Error": "ERROR03", "Description": "Invalid Token" }

HTTP/1.1 200 OK

Content-Type: application/xml;
<ErrorResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
 <Error>ERROR03</Error>
 <Description>Invalid Token</Description>
</ErrorResponse>

Attachment

Error codes

ERROR00	Internal Server Error
ERROR01	No Valid Contact
ERROR02	Not enough credit
ERROR03	Invalid Token
ERROR04	Message Required
ERROR05	Invalid Credentials