HTTP / HTTPS API

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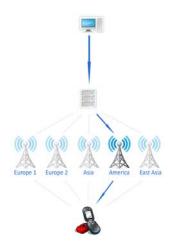## Introduction to the my-cool-sms API

API is short for Application Programming Interface. Whether your web servers use PHP, Java, .NET or any other application environment, the my-cool-sms API allows you to easily integrate short messaging services into your system and communicate with our gateway.

The API can be used either in the form of an HTTP Post or GET Request (via URL). POST is recommended over GET due to size limitations in the latter. API communication to our server can be either done on port 80 using the HTTP protocol or on port 443 in order to use the more secure HTTPS protocol. All parameters and values must be urlencoded and the parameter names are case-sensitive.

Implementation

Send SMS API

In order to deliver a message a HTTP Post or HTTP GET Request is sent to our server. The API URL for sending SMS is:

```
http://www.my-cool-sms.com/api/send on port 80
```

Alternatively you can use the following URL using the Secure Socket Layer (SSL) protocol:

```
https://www.my-cool-sms.com/api/send on port 443
```

Required parameters are **username** and **password** for authentification. Mandatory parameters that specify the message contents and destination are **number** and **message**. Additionally the following parameters are allowed: **senderid** to specify the sender number or an alpha-numeric sender label (this might require approval by our staff), u**nicode** to specify the type of encoding for this particular message and the **callback** parameter to specify an URL on your server that will be used to process delivery status updates. Only the mentioned parameters are allowed. The my-cool-sms API is setup restrictively and will refuse to process any other input than the documented one.

The request to send a SMS to a cell phone in Taiwan would be:

```
http://www.my-cool-
sms.com/api/send?username=xxx&password=xxx&&number=49123456789&message=hell
o
```

Table of Message Parameters

Message parameters are case-sensitive and all parameters and values must be urlencoded.

Parameter	Description	Type	Mandatory
username	Username for authentification.	varchar(12)	**Yes**
password	Password for authentification.	varchar(32)	**Yes**
number	The number in international format. For example: **49123456789 or +49123456789 or 0049123456789**	Integer/char	**Yes**
message	160 character string for standard GSM messages. 280 characters for UCS-2 (Unicode) messages (70x4 hexadecimal value)	GSM: urlencoded varchar(160) Unicode: UCS-2 Formatted varchar(280).	**Yes**
unicode	If set to 1 the message will be processed as Unicode. Defaults to 0 (GSM).	smallint(1)	No
senderid	Cell Phone Number in International Format, for example: **+447654321987** or alpha-numeric sender id, for example: **Partyservice**	varchar(16) for international cell phone number. varchar(11) for an alphanumeric senderid.	No
callback	URL to receive status updates and delivery reports for this message. For example: http://www.myserver.com/callback.php	url	No

Message Parameters in Detail

unicode and message

The SMS can be either sent in GSM or in Unicode(UCS-2) format. To configure the type of the **message** the **unicode** parameter is set. If **unicode** is set to 0 the message will be processed as GSM (Default). By setting u**nicode** to 1 the **message** will be processed as Unicode.

GSM:

 A GSM Message can contain up to 160 characters of the so called GSM Alphabet. This alphabet contains all English characters, some local European characters and a wide range of special characters. See http://en.wikipedia.org/wiki/Short_message_service#GSM for further reference.

GSM Message example (urlencoded): [Message: "This is a simple & short test."]

```
http://www.my-cool-
sms.com/api/send?username=xxx&password=xxx&&number=49123456789&message=This
+is+a+simple+%26+short+test.
```

Unicode (UCS-2):

A Unicode message can contain up to 70 characters which must be represented in UCS-2 notation. For example the letter A would be 0041. Hence, the **message** parameter can contain up to 280 (70x4) hexadecimal values when **unicode** is set to 1. See http://www.unicode.org for further reference.

Unicode Message example (UCS-2 Encoded): [Message: "繁体中文"]

```
http://www.my-cool-sms.com/api/send?username=xxx&password=xxx&
&number=49123456789&unicode=1&message=7E414F534E2D6587
```

繁 = 7E41, 体 = 4F53, 中 = 4E2D, 文 = 6587

senderid

The senderid parameter contains your personalized senderid. This can be a cell phone number in international number format with a length of up to 16 characters, for example +44789321654 or an alpha-numeric text containing up to 11 characters.

We recommend to only use the characters a – z, A – Z and 0 – 9 for compatibility reasons. Some networks might not accept other characters than these as sender id and delivery will fail. Please note that the Sender ID feature might require approval by our staff.

callback

The callback parameter is used to let our server know where delivery reports for this message should be posted to. The webpage behind the callback url must be implemented on client side. Please refer to the section about the Delivery Report API for further information.

Example for setting the callback parameter:

```
http://www.my-cool-sms.com/api/send?username=xxx&password=xxx&
number=49123456789&unicode=1&message=
7E414F534E2D6587&callback=http://www.webserver.com/callbackcoolsms.php
```

This will notify the my-cool-sms server to post delivery reports to http://www.webserver.com/callbackcoolsms.php - See the Section about the Delivery Report API for further information.

HTTP Response Codes

Two different types of Response Codes can be returned by the Send API. A SMS ID if the request was successful or an Errorcode if the request failed.

If the request was successful our server will return a unique SMS ID char(30) that should be stored in your client database further reference. This ID is being used to identify status updates for SMS messages in the Delivery Report API.

Example for a response on a succesful request:

```
ID: ce184cc0a6d1714d1ac763f4fe89f5
```

If an error occurred our server will return an error code to help identify the problem.

Example for a response on a failed request:

```
ERR: 010
```

Table of HTTP Response Errorcodes

Errorcode	Description
001	Invalid Login Credentials
002	IP Lockdown Violation
003	Invalid Parameters
004	Out of Credit
005	Delivery Error, Gateway rejected the message. No charge applies.
006	Destination Number Opted Out.
007	Internal Error
008	Mandatory Parameter(s) missing.
009	Invalid Parameter count
010	API not enabled for this user account.

Delivery Report API

Three prerequisites are required in order to receive deliver reports from our server.

First, our server must be informed about where to send the delivery reports by setting the **callback** parameter in the send request (see above).

Second, a web page must be setup by the client at the URL specified in the **callback** parameter. This webpage must be able to process the HTTP Request sent by our server.

Third, the SMS ID that was assigned by my-cool-sms during the send request (see above) must exist in the client database. The SMS ID is used to assign the delivery report to a particular SMS.

Table of Delivery Report Parameters

Our server will post the following parameters to the client's callback URL:

Parameter	Description
id	The SMS ID assigned by my-cool-sms (see above).
statuscode	The status code for the SMS

Table of Statuscodes

This is an overview of my-cool-sms status codes in delivery reports.

Statuscode	Description
-1	Status Unknown
0	An Error Occurred
1	Delivered to the SMSC
2	Delivery Delayed, Reattempting to deliver
3	Delivered to Cell Phone
4	Delivery Failed. Gateway refused to process the message.
5	Message Expired without delivery

The client webpage should be able to process these parameters and store them into the client database for further reference and evaluation.

A request delivery report sent by my-cool-sms will look like this:

```
http://www.yourserver.com/yourpage.jsp?id=
ce184cc0a6d1714d1ac763f4fe89f5&statuscode=3
```

(Please note that above example is in GET format for readability reasons. All our delivery reports are sent via POST though.)

Our HTTP User Agent Header in the Delivery Report API Request to your server will always be "my-cool-sms delivery report API". You can implement a check on this for increased security.

Remaining Quota API

The Remaining Quota API enables you to poll our server to receive information about your current quota. The request can be sent either via an HTTP POST or HTTP GET request.

Example for a GET Request on the Remainung Quota API:

```
http://www.my-cool-sms.com/api/quota?username=xxx&password=xxx on port 80
```

Alternatively you can use the following URL using the Secure Socket Layer (SSL) protocol:

```
https://www.my-cool-sms.com/api/quota?username=xxx&password=xxx on port 443
```

Table of Quota API Parameters

Parameter	Description	Type	Mandatory
Username	Username for authentification.	varchar(12)	**Yes**
Password	Password for authentification.	varchar(32)	**Yes**

If the authetification was successful our server will return a numeric value containing your current quota in EUR:

```
1123.83
```

In case that the authentication failed our server will return an Errorcode.

```
ERR: 008
```

Table of Quota API Response Errorcodes

Errorcode	Description
001	Invalid Login Credentials
002	IP Lockdown Violation
007	Internal Error
008	Mandatory parameters missing
010	API feature disabled in this account

IP Lockdown Feature

my-cool-sms offers an IP lockdown feature. When IP lockdown is enabled, only requests sent from IP addresses that are whitelisted in our database will be processed. All requests from other IP addresses will be blocked. This applies to all our APIs except the Delivery Report API, which can send reports to whatever address has been set in the **callback** parameter of the send request.

Enabling the lockdown feature is recommended in order to protect you from possible account abuse. In order to enable the IP Lockdown Feature we will require a complete list of all IP addresses that you plan to send SMS from.

You can inform us about the IP addresses you wish to lock your account to via email.

Contact

In case there is any questions that we can assist you with please feel free to contact us at service@my-cool-sms.com at any time.

Appendices

Appendix A – International Country Codes

Target countries are specified using the internation ISO country code in the Send SMS Request. The following list represents all countries supported by my-cool-sms.

Table of ISO Country Codes

Country Name	Country Code	Prefix
Afghanistan	AF	+93
Albania	AL	+355
Algeria	DZ	+213
American Samoa	AS	+684
Andorra	AD	+376
Angola	AO	+244
Anguilla	AI	+1264
Antigua And Barbuda	AG	+1268
Argentina	AR	+54
Armenia	AM	+374
Aruba	AW	+297
Australia	AU	+61
Austria	AT	+43
Azerbaijan	AZ	+994
Bahamas	BS	+1242
Bahrain	BH	+973
Bangladesh	BD	+880
Barbados	BB	+1246
Belarus	BY	+375
Belgium	BE	+32
Belize	BZ	+501
Benin	BJ	+229
Bermuda	BM	+1441
Bhutan	BT	+975
Bolivia	BO	+591
Bosnia Hercegovina	BA	+387
Botswana	BW	+267
Brazil	BR	+55
British Virgin Islands	VG	+1
Brunei Darussalam	BN	+673
Bulgaria	BG	+359
Burkina Faso	BF	+226
Burundi	BI	+257
Cambodia	KH	+855
Cameroon	CM	+237
Canada	CA	+1
Cape Verde	CV	+238
Cayman Islands	KY	+1345
Central African Republic	CF	+236
Chad	TD	+235

Chile	CL	+56
China	CN	+86
Colombia	CO	+57
Comoros	KM	+269
Congo	CG	+243
Cook Islands	CK	+682
Costa Rica	CR	+506
Croatia	HR	+385
Cuba	CU	+53
Cyprus	CY	+357
Czech Republic	CZ	+420
Denmark	DK	+45
Djibouti	DJ	+253
Dominica	DM	+1767
Dominican Republic	DO	+1809
Ecuador	EC	+593
Egypt	EG	+20
El Salvador	SV	+503
Equatorial Guinea	GQ	+240
Estonia	EE	+372
Ethiopia	ET	+251
Faroe Islands	FO	+298
Fiji	FJ	+679
Finland	FI	+358
France	FR	+33
French Guiana	GF	+594
French Polynesia	PF	+689
Gabon	GA	+241
Gambia	GM	+220
Georgia	GE	+995
Germany	DE	+49
Ghana	GH	+233
Gibraltar	GI	+350
Greece	GR	+30
Greenland	GL	+299
Grenada	GD	+1473
Guadeloupe	GP	+590
Guam	GU	+671
Guatemala	GT	+502
Guinea	GN	+224
Guinea-Bissau	GW	+245
Guyana	GY	+592
Haiti	HAT	+509
Honduras	HN	+504
Hong Kong	HK	+852
Hungary	HU	+36
Iceland	IS	+354
India	IN	+91

Indonesia	ID	+62
Iran (Islamic Republic Of)	IR	+98
Iraq	IQ	+964
Ireland	IE	+353
Israel	IL	+972
Italy	IT	+39
Jamaica	JM	+1876
Japan	JP	+81
Jordan	JO	+962
Kazakhstan	KZ	+996
Kenya	KE	+254
Kiribati	KI	+686
Korea, Republic Of	KR	+82
Kuwait	KW	+965
Kyrgyzstan	KG	+996
Laos	LA	+856
Latvia	LV	+371
Lebanon	LB	+961
Lesotho	LS	+266
Liberia	LR	+231
Libyan Arab Jamahiriya	LY	+218
Liechtenstein	LI	+423
Lithuania	LT	+370
Luxembourg	LU	+352
Macau	MO	+853
Macedonia	MK	+389
Madagascar	MG	+261
Malawi	MW	+265
Malaysia	MY	+60
Maldives	MV	+960
Mali	ML	+223
Malta	MT	+356
Marshall Islands	MH	+692
Mauritania	MR	+222
Mauritius	MU	+230
Mexico	MX	+52
Moldova, Republic Of	MD	+373
Monaco	MC	+377
Mongolia	MN	+976
Montserrat	MS	+1664
Morocco	MA	+212
Mozambique	MZ	+258
Namibia	NA	+264
Nepal	NP	+977
Netherlands	NL	+31
Netherlands Antilles	AN	+31
New Caledonia	NC	+687
New Zealand	NZ	+64

Nicaragua	NI	+505
Niger	NE	+234
Nigeria	NG	+234
Northern Mariana Islands	MP	+670
Norway	NO	+47
Oman	OM	+968
Pakistan	PK	+92
Palau	PW	+680
Panama	PA	+507
Papua New Guinea	PG	+975
Paraguay	PY	+595
Peru	PE	+51
Philippines	PH	+63
Poland	PL	+48
Portugal	PT	+351
Puerto Rico	PR	+1787
Qatar	QA	+974
Reunion	RE	+262
Romania	RO	+40
Russian Federation	RU	+7
Rwanda	RW	+250
Saint Kitts and Nevis	KN	+1869
Saint Lucia	LC	+1758
Saint Pierre And Miquelon	PM	+508
Saint Vincent, The Grenadines	VC	+1784
San Marino	SM	+39
Saudi Arabia	SA	+966
Senegal	SN	+221
Serbia	RS	+381
Seychelles	SC	+248
Sierra Leone	SL	+232
Singapore	SG	+65
Slovakia (Slovak Republic)	SK	+421
Slovenia	SI	+386
Solomon Islands	SB	+677
Somalia	SO	+252
South Africa	ZA	+27
Spain	ES	+34
Sri Lanka	LK	+94
Sudan	SD	+249
Suriname	SR	+597
Swaziland	SZ	+268
Sweden	SE	+46
Switzerland	CH	+41
Syrian Arab Republic	SY	+963
Taiwan	TW	+886
Tajikistan	TJ	+737
Tanzania, United Republic Of	TZ	+255

Thailand	TH	+66
Togo	TG	+228
Tonga	TO	+676
Trinidad And Tobago	TT	+1868
Tunisia	TN	+216
Turkey	TR	+90
Turkmenistan	TM	+993
Turks And Caicos Islands	TC	+1649
Uganda	UG	+256
Ukraine	UA	+380
United Arab Emirates	AE	+971
United Kingdom	GB	+44
United States	US	+1
Uruguay	UY	+598
Uzbekistan	UZ	+998
Vanuatu	VU	+678
Venezuela	VE	+58
Vietnam	VN	+84
Yemen	YE	+967
Zambia	ZM	+260
Zimbabwe	ZW	+263