



Technical Specification for the
ADIKAT HTTP API
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API Overview

This document outlines the parameters required, and codes returned by the ADIKAT HTTP API. The API is used by making a HTTP or HTTPS (SSL) call to the ADIKAT server. The call may use either the POST or GET method. The request must contain valid values for all parameters designated 'mandatory'. It may then contain valid values for parameters marked 'optional', if required.

Accessing the API

NOTE: all examples assumes that you have included the class file and instantiated the class

```
include_once(dirname(__FILE__).'/FormPostUtilities.php');
$SMSapi = new SMSapi();
```

Checking Account Balance

Description

When requesting ADIKAT account balance, calls to the API must be made via URL:
<http://adikat.ie/apiparse.php/>

Parameters	Status	Description
<i>api_id</i>	Mandatory	This is your ADIKAT API id, unique to your ADIKAT account. Issued on request by ADIKAT (info@adikat.ie). Note that this is NOT your ADIKAT user name.
<i>api_pwd</i>	Mandatory	API password, as issued to you by ADIKAT.

NOTE: Set these values in the FormPostUtilities.php file

Results

Returns an array

Key	Value
0	True or False
1	Balance Amount in double format

Usage Example

This is a sample Class request, requesting the balance on a particular account

```
$SMSapi->GetBalance()
```

Sending SMS

Description

When sending messages, all calls to the API must be made via URL:

<http://adikat.ie/apiparse.php/>

Parameters when sending messages

Parameters	Status	Description
api_id	Mandatory	This is your ADIKAT API id, unique to your ADIKAT account. Issued on request by ADIKAT (info@adikat.ie). Note that this is NOT your ADIKAT user name.
api_pwd	Mandatory	API password, as issued to you by ADIKAT.
dest	Mandatory	The destination phone number, expressed in international format, without leading +. A IE number would appear as 353851234567. This parameter may contain ONLY the digits 0-9 and comma, where multiple numbers are specified. The API will accept multiple, comma-delimited mobile numbers, as destinations for a single message. A maximum of 500 numbers can be included in a single HTTP request. Sending to a Contact Group: Specify the alias for the group instead of any phone numbers. Eg: 777654321 is a group alias. Specific alias can be found on the Manage Contact Groups page.
txt	Mandatory	This is the text to be sent. Maximum length 160 characters.
delivery_time	Optional	This is 12-digit numerical value, specifying the time (GMT) at which the message should be delivered. Format for value is yyyymmddhhmm (example '200912141305' = Dec 14 2009 13:05)
delivery_delta	Optional	This parameter is numerical, and specifies the number of minutes in the future when the message is to be delivered. This allows the calling application to specify a specific delay in minutes prior to attempting delivery of the message. It negates any issues which might arise with timezones etc.
tag	Optional	This is the alphanumeric* tag which you wish to attach to the outgoing message. Maximum length 11 characters. If 'tag' is not specified, the message will be sent from your Virtual Number, or from a shared Virtual Number if you do not have your own. * To be precise, the 'tag' parameter can use any character which is part of the 7-bit default alphabet as specified by GSM 03.38. This would include the following: @ £ \$ ¥ è é ù ì ò Ç Ø ø Å å _ Æ æ ß È ! " # ¨ % & ' () * + , - . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ? ; A B C D E F G H I J K L M

		NOPQRSTUVWXYZÄÖÑ Üÿ¿abcdefghijklm nopqrstuvwxyzäöñ üà <SPACE> Note, however, that some carriers have issues with some of the less common characters, and testing the required tag is to be recommended.
<i>receipt</i>	Optional	Action required on arrival of a delivery receipt related to this message. May be 0 (default), 1 or 2. 0 – No receipt forwarding required 1 – Forward receipt to a URL 2 – Forward receipt to an email address
<i>msgid</i>	Optional	This is a numerical value, provided by the client. When a delivery receipt is forwarded to the client, this id will be quoted to allow the client associate the receipt with a particular sent message.
<i>receipt_url</i>	Optional	This is the URL to which delivery receipts for this message should be sent. The client must have the necessary script set up at this url to deal with the forwarded receipt. Mandatory when parameter receipt=1.
<i>receipt_email</i>	Optional	This is the email address to which delivery receipts for this message will be forwarded. Mandatory when parameter receipt=2.
<i>validity</i>	Optional	The validity period, in minutes, for this message. May range between 1 and 2880 (2 days) inclusive. Some carriers will set a maximum value of 1440 (1 day) If a message has not been delivered to the intended recipient after <validity> minutes, the network will not attempt to deliver it at all. This is useful where information has a short currency/lifespan.

Results

Returns an array

Key	Value
0	True or False
1	See RETURN CODES below

Usage Examples

Sending a Message for immediate delivery

This is a sample request, sending the text '*test message*' to 353851234567:

```
$SMSapi->SendText('353851234567','test message');
```

This is a sample request, sending the text '*test message*' to 353851234567 with alphanumeric tag 'My Company':

```
$SMSapi->getset('settag','My Company');
```



```
$SMSapi->SendText('353851234567','test message');
```

Sending a Message for immediate delivery to multiple recipients

This is a sample request, sending the text 'test message' to 353851234567 and 353867654321:

```
$SMSapi->SendText('353851234567,353867654321','test message');
```

Sending a Message for immediate delivery to a Contact Group

This is a sample request, sending the text 'test message' to a contact group with group alias=888123456, (as found under 'Manage Contact Groups' when logged into the ADIKAT.IE site) with alphanumeric tag 'My Company':

```
$SMSapi->getset('settag','My Company');
$SMSapi->SendText('777123456','test message');
```

Scheduling a Message for later delivery

This is a sample request, sending the text 'test message' to 353851234567, with tag 'my test', to be delivered on April 10th 2011 at 11:30 AM:

```
$SMSapi->getset('settag','My Company');
$SMSapi->getset('setdelivery_time',201104101130);
$SMSapi->SendText('353851234567','my test');
```

This is a sample request, sending the text 'test message' to 353851234567, with tag 'My Company', to be delivered in 15 minutes, with a 2 hour validity period:

```
$SMSapi->getset('settag','My Company');
$SMSapi->getset('setdelivery_delta',15);
$SMSapi->getset('setvalidity',120);
$SMSapi->SendText('353851234567','my test');
```

Adding Contacts / Assigning Contacts to Groups

Description

When adding new contacts to your Contacts List, or adding existing Contacts to a Contact Group, calls to the API must be made via URL:

<http://adikat.ie/apiparse.php/>

Parameters when adding a contact, or adding an existing contact to a group.

Parameters	Status	Description
<i>api_id</i>	Mandatory	This is your ADIKAT API id, unique to your ADIKAT account. Issued on request by ADIKAT (info@adikat.ie). Note that this is NOT your ADIKAT user name.

api_pwd	Mandatory	API password, as issued to you by ADIKAT.
contact_num	Mandatory	The mobile phone number for this contact
contact_name	Optional	This is the name for the new Contact which you are adding. If you do not include this parameter, the value for <i>contact_num</i> will also be used as the Contact Name.
group_alias	Optional	This is an 9-digit numerical value, which can be found adjacent to the group in the ADIKAT.IE web interface, under CONTACTS - CONTACT GROUPS

Results

Returns an array

Key	Value
0	True or False
1	See RETURN CODES below

Usage Example

This is a sample request, adding 353881234567 to my Contact List

```
$SMSapi->AddContact ('353881234567');
```

This is a sample request, adding 353881234567, with name Joe Shmoe, to my Contact List.

```
$SMSapi->AddContact ('353881234567','Joe Shmoe');
```

This is a sample request, adding 353881234567, with name Joe Shmoe to my Contact Group, alias 777612345. Note that, if this number is not already a contact, it will be added to my Contact List, then to the specified group.

```
$SMSapi->AddContact ('353881234567','Joe Shmoe','777612345');
```

An unsuccessful call will return a 3-digit error code, which can be found in the table 'RETURN CODES', at the end of this document.

Removing Contacts / Removing Contacts from Groups

Description

When removing contacts from your Contacts List, or removing an existing Contact from a Contact Group, calls to the API must be made via URL:

<http://adikat.ie/apiparse.php/>

Parameters when removing a contact, or removing an existing contact from a group

Parameters	Status	Description
api_id	Mandatory	This is your ADIKAT API id, unique to your ADIKAT account. Issued on request by ADIKAT (info@adikat.ie). Note that this is NOT your ADIKAT user name.
api_pwd	Mandatory	API password, as issued to you by ADIKAT.
remove_num	Mandatory	The mobile phone number for this contact
group_alias	Optional	This is an 8-digit numerical value, which can be found adjacent to the group in the ADIKAT.IE web interface, under CONTACTS - CONTACT GROUPS

Note: If you do not specify a value for group_alias, the contact will be completely removed from your Contact List.

To remove a contact completely from your ADIKAT.IE Address Book, include only the **remove_num** parameter. This will automatically remove the Contact from all Contact Groups of which they are members, then remove the Contact itself.

To remove a contact from a group only, include the **group_alias** parameter.

Results

Returns an array

Key	Value
0	True or False
1	See RETURN CODES below

Usage Example

This is a sample request, removing 353881234567 from my Contact List and all groups.

```
$SMSapi->RemoveContact('353881234567');
```

This is a sample request, removing 353881234567, from my Contact Group, alias 777812345

```
$SMSapi->RemoveContact('353881234567','777812345');
```

An unsuccessful call will return a 3-digit error code, which can be found in the table 'RETURN CODES', at the end of this document.

Handling Receipts

When a message has been delivered successfully to the recipient handset, ADIKAT receives a Delivery Receipt from the remote network. Under some situations a Failure Receipt will be received, for example, if a timeout occurs, or an invalid mobile number is specified.

By default, these receipts are sent to your ADIKAT Outbox. Using the API, you can request that these receipts are also forwarded to you, either to an email address, or to a URL on your web server. You can then process the incoming receipt as you require.

Email Receipts

When sending a message, you can request that the associated receipt(s) are forwarded to the email address you specify. The following parameters are **required** when this feature is required:

Parameters	Status	Description
<i>api_id</i>	Mandatory	This is your ADIKAT API id, unique to your ADIKAT account. Issued on request by ADIKAT (info@adikat.ie). Note that this is NOT your ADIKAT user name.
<i>api_pwd</i>	Mandatory	API password, as issued to you by ADIKAT.
<i>txt</i>	Mandatory	Text to be sent
<i>dest</i>	Mandatory	Message Destination
<i>receipt</i>	Mandatory	Must be specified, with a value of 2.
<i>msgid</i>	Mandatory	Unique numerical id, supplied by you. It will be returned with the receipt to allow you associate the incoming receipt with its corresponding sent message.
<i>receipt_email</i>	Mandatory	The email address to which the receipt message will be forwarded

Example

This is a sample request, sending the text 'test message' to 353851234567, requesting the receipt to be sent to email address 'me@mydomain.com'

```
$SMSapi->getset('setmsgid','15555');
$SMSapi->getset('setreceipt_email','me@mydomain.com');
$SMSapi->SendText('353851234567','my test');
```

The message is sent to the intended recipient. Upon successful delivery, or failure, ADIKAT will receive a receipt from the network. The receipt will have one of two possible values:

1	DELIVERY_SUCCESS
---	------------------

2	DELIVERY_FAILURE
---	------------------

The resulting email will be formatted as follows

```
To: me@mydomain.com
Subject: Receipt for message to 353851234567
Date: Wed, 13 Dec 2009 12:35:46 +0000 (GMT)
msgid:15555
destination: 353851234567
status:1
Desc:DELIVERY_SUCCESS
```

URL Receipts

When sending a message, you can request that the associated receipt(s) are forwarded to the URL you specify. The following parameters are **required** when this feature is required:

Parameters	Status	Description
<i>api_id</i>	Mandatory	This is your ADIKAT API id, unique to your ADIKAT account. Issued on request by ADIKAT (info@adikat.ie). Note that this is NOT your ADIKAT user name.
<i>api_pwd</i>	Mandatory	API password, as issued to you by ADIKAT.
<i>txt</i>	Mandatory	Text to be sent
<i>dest</i>	Mandatory	Message Destination
<i>receipt</i>	Mandatory	Must be specified, with a value of 1.
<i>msgid</i>	Mandatory	Unique numerical id, supplied by you. It will be returned with the receipt to allow you associate the incoming receipt with its corresponding sent message.
<i>receipt_url</i>	Mandatory	The URL to which the receipt message will be forwarded.

Example

This is a sample request, sending the text '*test message*' to 353851234567, requesting the receipt to be sent to URL http://www.mydomain.com/rx_in.html:

```
$SMSapi->getset('setmsgid','15555');
$SMSapi-
>getset('setreceipt_url','http://www.mydomain.com/rx_in.html');
```

```
$SMSapi->SendText('353851234567','my test');
```

The message is sent to the intended recipient. Upon successful delivery, or failure, ADIKAT will receive a receipt from the network. The receipt will have one of two possible values:

1	DELIVERY_SUCCESS
2	DELIVERY_FAILURE

The resulting GET request will be sent to the specified URL, as follows:

http://www.mydomain.com/rx_in.html?msgid=15555&dest=&status=1

The parameters sent to the specified URL are:

msgid	This is the msgid submitted with the initial request.
dest	This is the destination number to which this receipt relates
status	The receipt status, where 1=success and 2=failure.

Retries

ADIKAT will attempt to send the receipt to the specified URL 5 times in total, at the following intervals:

1st attempt: Immediately on arrival of receipt.

2nd attempt: 1 minute later

3rd attempt: 5 minutes after 2nd attempt.

4th attempt: 30 minutes after 3rd attempt.

5th attempt: 60 minutes after 4th attempt.

Once the ADIKAT server receives a successful (2xx) HTTP response code, the receipt is regarded as sent successfully. Your script does not need to return anything specific, but must exist.

Authentication

Upon account sign up, you will receive an api_id and an api_pwd. Once received you will need to add them to the class for authentication. Open the FormPostUtilities.php in your favourite editing software, notepad will also work.

At line 23, add your api_id:

```
$this->api_id = '';
```

At line 26, add you api_pwd

```
$this->api_pwd='';
```

Specifications

- PHP 4.0+
- cURL (supplied as an extension module in the PHP download)

RETURN CODES

The API will respond, via HTTP, to the Request with a 3 digit return code. The return codes are listed in the table below.

000	Success Message accepted for delivery
101	Missing parameter: <i>api_id</i>
102	Missing parameter: <i>api_pwd</i>
103	Missing parameter: <i>txt</i>
104	Missing parameter: <i>dest</i>
105	Missing parameter: <i>msgid</i>
106	Missing parameter: <i>receipt_url</i>
107	Missing parameter: <i>receipt_email</i>
108	Invalid value for parameter: <i>hex</i>
109	Missing parameter: <i>hex</i> (unicode parameter has been presented, but no <i>hex</i> value)

110	Missing parameter: <i>si_txt</i>
111	Missing parameter: <i>si_url</i>
112	Missing parameter: <i>group_name</i>
113	Missing parameter: <i>group_alias</i>
114	Missing parameter: <i>contact_num</i>
115	Missing parameter: <i>remove_num</i>
199	Insufficient Credit
201	Authentication Failure
202	IP Restriction – If IP restrictions are in place for this account, an attempt has been made to send from an unauthorised IP address.
203	Invalid value for parameter: <i>dest</i>
204	Invalid value for parameter: <i>api_pwd</i>
205	Invalid value for parameter: <i>api_id</i>
206	Invalid value for parameter: <i>delivery_time</i>
207	Invalid date specified for <i>delivery_time</i>
208	Invalid value for parameter: <i>delivery_delta</i>
209	Invalid value for parameter: <i>receipt</i>
210	Invalid value for parameter: <i>msgid</i>
211	Invalid value for parameter: <i>tag</i>
212	Invalid value for parameter: <i>si_txt</i>
213	Invalid value for parameter: <i>si_url</i>
214	Invalid value for parameter: <i>group_name</i>
215	Invalid value for parameter: <i>group_alias</i>
216	Invalid value for parameter: <i>contact_num</i>
217	Invalid value for parameter: <i>remove_num</i>
401	Not a contact
402	Invalid value for parameter: <i>group_alias</i>
403	Contact is not a member of specified group
405	Duplicate Contact entries not allowed on this account
406	Contact already a member of specified group
407	Group already exists
408	A group with the given alias does not exist for this account
BAL:xxx	Account Balance is xxx