



MyMobileAPI  
[mymobileapi.com](http://mymobileapi.com)

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Short Code API Guide

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# OVERVIEW

The page can be referenced at <http://www.mymobileapi.com/api5/http5.aspx>

The naming convention describes what the function accepts and returns.

EG: Shortcode\_STR\_DS will accept an XML string and return a Dataset (.net object).

Most of the functions follow a common thread: Accept 3 parameters, return XML or dataset.

The returned data will always contain:

```
</api_result>  
  <call_result>  
    <result>True</result>  
    <error />  
  </call_result>  
</api_result>
```

The result will either be "True" or "False". If "False" the error will be displayed with the "error" tag..

# LIST SHORTCODES

Getting a list of shortcodes from the system:

There are 4 methods to list your shortcode(s):

- Shortcode\_DS\_DS
- Shortcode\_STR\_DS
- Shortcode\_STR\_STR
- Shortcode\_DS\_STR

Each function accepts 3 parameters

- Username (String)
- Password (String)
- XML String or Dataset (depending on the function you choose)

The XML object looks like:

```
<options>
  <settings>
    <cols_returned></cols_returned>
    <date_format></date_format>
  </settings>
</options>
```

Neither entries are mandatory.

| XML tag       | Description   | Default                 |
|---------------|---|-------------------------|
| Cols_Returned | The xml tags returned in the result. Options are : shortcode, keyword, startdate, enddate, porturl, forwardemail, forwardmobile, response, campaign, reportday, reportweek, reportmonth. Each entry must be separated with a comma. | ID                      |
| Date_Format   | The format of any dates that are returned.  | dd/MMM/yyyy<br>HH:mm:ss |

The output returned will be a dataset or XML in the following format:

```

<api_result>
  <data>
    <id></id>
    <shortcode></shortcode>
    <keyword></keyword>
    <startdate></startdate>
    <enddate></enddate>
    <porturl></porturl>
    <forwardemail></forwardemail>
    <forwardmobile></forwardmobile>
    <response></response>
    <campaign></campaign>
    <reportday></reportday>
    <reportweek></reportweek>
    <reportmonth></reportmonth>
  </data>
  <call_result>
    <result></result>
    <error />
  </call_result>
</api_result>
  
```

| XML tag       | Description   |
|---------------|---|
| *ID           | A unique ID identifying the shortcode   |
| shortcode     | The shortcode (5 digit number)  |
| keyword       | If the shortcode has been separated on a keyword it will display it. Each keyword can have its own properties.          |
| startdate     | The date the shortcode was started  |
| enddate       | The date the shortcode expires  |
| porturl       | The URL that is executed when a shortcode is received   |
| forwardemail  | Forward the shortcode to an email address (entries seperated with a comma)  |
| forwardmobile | Forward the shortcode to a mobile number  |
| response      | Send an automated response to the user that initiated the sms eg: "Thank you for your request, we will respond shortly" |
| campaigne     | A campaign code eg: XMAS sale   |
| reportday     | Send a report every day to the email address(s). Separated with a comma   |
| reportweek    | Send a report every week to the email address(s). Separated with a comma  |
| reportmonth   | Send a report every month to the email address(s). Separated with a comma   |

(All entries marked with \* are Mandatory)

# UPDATE A SHORTCODE

Here are 4 methods to update the settings on a shortcode:

- ShortCode\_Update\_DS\_DS
- ShortCode\_Update\_STR\_DS
- ShortCode\_Update\_STR\_STR
- ShortCode\_Update\_DS\_STR

Each function accepts 3 parameters

- Username (String)
- Password (String)
- XML String or Dataset (depending on the function you choose)

The XML object looks like:

```
<options>
  <settings>
    <id>0</id>
    <posturl></posturl>
    <forwardemail></forwardemail>
    <forwardmobile></forwardmobile>
    <response></response>
    <campaign></campaign>
    <reportday></reportday>
    <reportweek></reportweek>
    <reportmonth></reportmonth>
  </settings>
</options>
```

Please see the "Shortcode List" function for explanations on the above properties.  
The output of the following will be defined by the input of the above parameters:

```
<api_result>
  <call_result>
    <result>True</result>
    <error/>
  </call_result>
</api_result>
```

The function will return True or False in the result tag. If an error occurs it will display it in the error tag.

# RETRIEVING INCOMING SHORTCODES

The SMS Gateway is designed to allow easy retrieval of your inbound messages (shortcodes).

The design allows the following:

- Retrieve items you have not already pulled
- Instant retrieval of data (due to API table design and indexing)
- Customizable result formatting
- Prevents timeouts

## So how is this achieved?

The API system uses a unique identity field called "ChangeID" which is permanently incrementing. When an inbound message is received from the corresponding network a new record is written to the API and hence the ChangeID will increment by 1.

In the result set the element "ChangeID" will be present along with the other elements you have specified. This needs to be stored and the maximum changeid utilized by the next call. The following is occurring with the SMS Gateway:

```
"Select top 100 * from ShortCode_Table where ID > @ID order by ID asc"
```

## Some tips

Start with ID (changeid) = 0 Store the max changeid in your local system permanently (database or IO system)  
There are 6 methods available to retrieve replies:

- ShortCode\_Get\_DS\_DS
- ShortCode\_Get\_DS\_STR
- ShortCode\_Get\_DS\_ZIP
- ShortCode\_Get\_STR\_DS
- ShortCode\_Get\_STR\_STR
- ShortCode\_Get\_STR\_ZIP

Each function accepts 3 parameters

- Username (String)
- Password (String)
- XML String or Dataset (depending on the function you choose)

The XML object looks like:

```
<options>
  <settings>
    <id>0</id>
    <date_format></date_format>
    <shortcode></shortcode>
    <keyword></keyword>
  </settings>
</options>
```

| XML tag     | Description  | Default                 |
|-------------|--|-------------------------|
| *ID         | The max <b>ChangeID</b> from the previous call   | -                       |
| Date_Format | The format of any dates that are returned.   | Dd/MMM/yyyy<br>HH:mm:ss |
| Shortcode   | The shortcode (5 digit number). If nothing is specified then all shortcodes are returned.  | 0                       |
| Keyword     | Search on a keyword. If a keyword has been allocated to your account eg : "test" you can specify to retrieve only these entries. | " "                     |

(All entries marked with \* are Mandatory)

The output returned will be a dataset or XML in the following format:

```
<api_result>
  <data>
    <changeid></changeid>
    <shortcode></shortcode>
    <keyword></keyword >
    <phonenummer></phonenummer>
    <message></message>
    <received></received>
  </data>
  <call_result>
    <result></result>
    <error/>
  </call_result>
</api_result>
```





| XML tag     | Description   |
|-------------|---|
| ChangelD    | The max unique ChangelD for each incoming message   |
| Shortcode   | The shortcode (5 digit number)  |
| Keyword     | If the shortcode has been separated on a keyword it will display it.<br>Each keyword can have its own properties. |
| Phonenumber | The number the message was received from  |
| Message     | The Message received  |
| Received    | The date the message was received   |