

## HTTP Message API example

A Message API example of a message service provider is given as below. The transmission mode is Get in TTP protocol, and the URL format is as follows:

`http://smsip/httpsms.php?Tag=Value&Tag=Value&Tag=Value...`

Tag variable list:

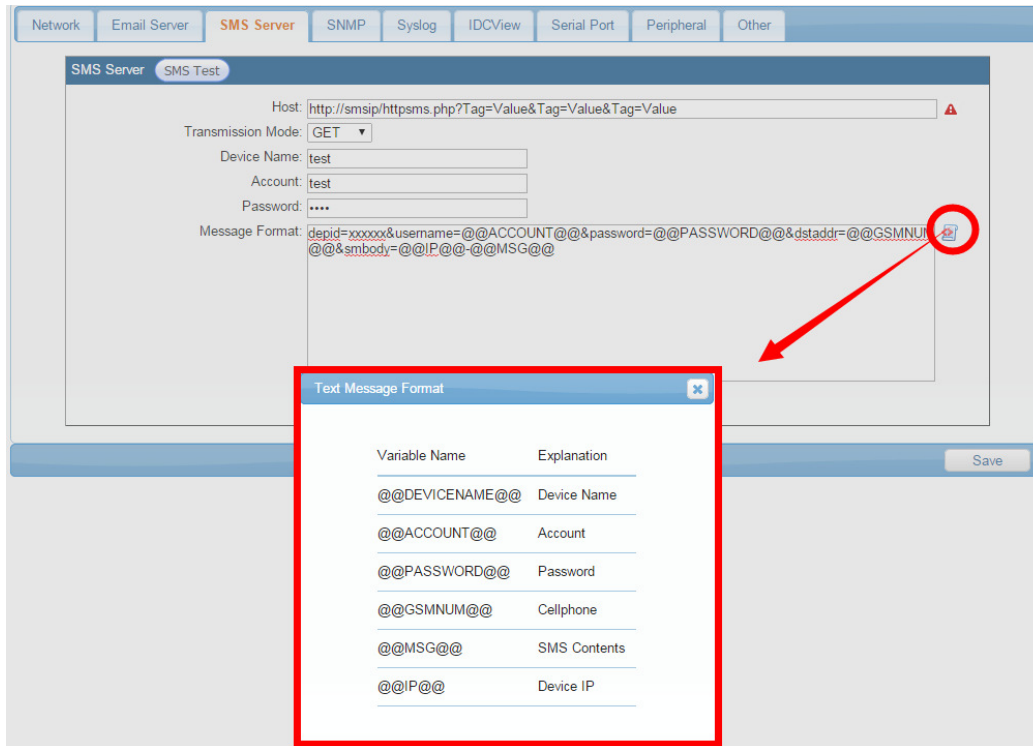
Required/optional	Tag	Description
Required	depid	Company Code
Required	username	User's Account
Required	password	User's password
Required	dstaddr	Objective gate number, (separated by commas for delivery to multiple gate numbers, repeated gate number is not accepted during each delivery)
Required	smbody	Message content, use standard URL Encoding

Transform the above format into message server parameters, and the menu is shown as follows:

The screenshot shows a software interface for configuring an SMS Server. The window has a title bar with tabs for 'Network', 'Email Server', 'SMS Server', 'SNMP', 'Syslog', 'IDCView', 'Serial Port', 'Peripheral', and 'Other'. The 'SMS Server' tab is active, and a sub-tab 'SMS Test' is selected. The configuration fields are as follows:

- Host: `http://smsip/httpsms.php?Tag=Value&Tag=Value&Tag=Value`
- Transmission Mode: `GET` (dropdown menu)
- Device Name: `test`
- Account: `test`
- Password: `***`
- Message Format: `depid=xxxxxx&username=@@ACCOUNT@@&password=@@PASSWORD@@&dstaddr=@@GSMNUM@@&smbody=@@IP@@-@@MSG@@`

A 'Save' button is located at the bottom right of the window.



Press the icon on left side of the blank to see message format for reference.

**@@DEVICENAME@@** : The device name to show as sending a message.

**@@ACCOUNT@@** : The account to send the message.

**@@PASSWORD@@** : The password to send the message.

**@@GSMNUM@@** : The number to send the message.

**@@MSG@@** : Message content to show as sending a message.

**@@IP@@** : Device IP to show as sending a message.

## Message format Explanation 1

**depid=xxxxxx&username=@@ACCOUNT@@&password=@@PASSWORD@@&dstaddr=@@GSMNUM@@&smbody=@@IP@@,@@MSG@@**

If you fill the above info into the Message Format, the system would automatically bring-in the followings info:

Message format	Note
Company code (depid=xxxxxx) &	Required
User's Account (account=@@ACCOUNT@@)&	Required
User's password (password=@@PASSWORD@@)&	Required
Cellphone number (dstaddr=@@GSMNUM@@)&	Required
Device IP & Message content (smbody=@@IP@@,@@MSG@@)	This format is changeable with the content.

The message will automatically change as the even change.

**Remove @@IP@@, means device IP info will not reveal in message content.**

## HTTP API example

Users can control the output switch through API provided by Http/Https protocol. URL format is given as follows:

`http://DeviceIP/out_ctrl.csp?port=value&ctrl_kind=value`

List of variables:

Domain Name	Description
port	The output (outlet) lines to be controlled, support to control multiple lines, use commas to separate different lines (example: 1, 3, 5).
ctrl_kind	The types to be controlled, for the relevant data, see <a href="#">Output (outlet) Control Kind Code Table</a> .

※ when control the device through Http/Https protocol, for the sake of normal operation, use Http/Https basic authentication method to input the admin account and password of the device.

Output (Outlet) Control Kind Code Table:

Value	Description
1	Output (Outlet) on
2	Output (Outlet) off
3	Output (Outlet) Reboot
4	Output (Outlet) Reboot

Data back-transmission format is as follows:

```
{"OutCtrl":[{"Id":value,"Ret":value,"RetStr":""},...]}
```

List of variables:

Domain Name	Description
Id	Control ed Output (Outlet) Line
Ret	On/off status, for the relevant data, see <a href="#">Output (Outlet) Status Code Table</a>

Output (Outlet) Status Code Table:

Status value	Description
0	Output (Outlet) off
1	Output (Outlet) on
2	Output (Outlet) Switching on
3	Output (Outlet) Switching off

Example:

To control the power of line 1 of the device with IP 192.168.1.10:

```
http://192.168.1.10/out_ctrl.csp?port=1&ctrl_kind=1
```

Feedback Information is as follows:

```
{"OutCtrl":[{"Id":1,"Ret":1,"RetStr":""}]}
```