
1. Method to realize

Application will send a HTTP GET request to the device, device will return HTTP 200 OK response to the application.

2. Request describe

2.1 Request URL

http://host[:port]/goip_send_usssd.html

host: device IP address

port: web port, default is 80, (Optional)

2.2 URL

Parameter name	Describe	default	Required
username	Username	No	Yes
password	Password	NO	Yes
port	Which port to send ussd(begin with port 1)	NO	Yes
usssd	Ussd command code	NO	Yes
timeout	timeout (second)	120	No
retries	Number of failed retries. Note: the top-up service should set this field to 0 and check if success by USSD query.	3	N

3. Response describe:

Ussd HTTP response 200OK, and json data format return to the program.

3.1 Content-Type

Use json data corresponding Content-Type value application/json

3.2 Message body

Message body is Json data format, the property is as follow:

Property	Describe	Default	Required
code	Return code, 0 means success	NO	Yes
reason	Reason describe	NO	Yes
resp	Ussd command response	NO	Yes
max-port	Specify the max port	NO	Yes
port	Means available port	NO	Yes

Notes: 1,3-6,8,10 means port 1, 3, 4, 5, 6, 8, 10 available.

3.3 Return code

Return code	Describe
0	Success or OK
1	Username or password wrong
2	Port parameter wrong
3	No ussd parameter
4	Have incomplete USSD request
5	SIM not resisted
6	timeout

4. Example:

5. HTTP Link:

6. http://192.168.1.67/goip_send_ussd.html?username=root&password=root&port=5&ussd=1

[23](#), Click this link, or via java program to send.

4.1 First example show how to send ussd

GET /goip_send_usss.html?username=root&password=root&port=5&usss=123 HTTP/ 1.1

Accept: */*

Accept-Language: zh-CN

User-Agent: Mozilla/4.0

Host: 192.168.1.67

Connection: Close

Response information as follow:

HTTP/1.1 200 OK

Server: Rapid Logic/1.1

Pragma: no-cache

Cache-Control: no-cache

Content-Type: **application/json**;charset=utf-8

Content-Length: 56

**{code:0,reason:"OK",resp:"your balance is 50.00\$"}
}**

4.2 Second example show how to get the available port

GET /goip_send_usss.html?username=root&password=root HTTP/1.1

Accept: */*

Accept-Language: zh-CN

User-Agent: Mozilla/4.0

Host: 192.168.1.67

Connection: Close

Response information as follow:

HTTP/1.1 200 OK

Server: Rapid Logic/1.1

Pragma: no-cache

Cache-Control: no-cache

Content-Type: **application/json**;charset=utf-8

Content-Length: 56

{code:2,reason:"invalid param port",max-port:16,port:"1,2,4-16"}

Notes: # will be ignore by the browser, it need to replace by %23