

How to Control Outlet and Get Status using HTTP API with PWR-RMT-RBT2-515R-LCV2

This document is for firmware version PWR-RMT-RBT2-515R-LCV2 S01/S02 v3 and above only.

1. Generate a Cookie-Token for User Login:

HTTP Packet Request

```
"POST /goform/login HTTP/1.1" CRLF
"Accept: */*" CRLF
"Accept-Encoding: gzip, deflate" CRLF
"Content-Type: application/x-www-form-urlencoded" CRLF
CRLF
"user=" <Web Account> "&password=" <Web Password>
```

NOTE:

- <Web Account>: The username of the PWR-RMT-RBT2-515R-LCV2's web interface.
- <Web Password>: The pass word of the PWR-RMT-RBT2-515R-LCV2's web interface.

If you don't know the information above, please refer to the user manual, or use a web browser to set up PWR-RMT-RBT2-515R-LCV2.

HTTP Packet Response

```
"Pragma: no-cache" CRLF
"Set-Cookie: WQKJhuEcnAVA3t7WE+ug6A=<token>; HttpOnly; Path=/" CRLF
"Content-Type: text/html" CRLF
"Server: GoAhead-Webs" CRLF
"Location: /index.asp" CRLF
"Date: Thu Jul 1 01:01:01 2020" CRLF
"Cache-Control: no-cache" CRLF
CRLF
```

NOTE:

- <token>: The generated access token. It is valid for only 24 hours.

Example of cURL Request:

```
curl -v http://192.168.3.44/goform/login -X POST --data
"user=admin&password=password"
```

Example of cURL Response:

```
* About to connect() to 192.168.3.44 port 80 (#0)
* Trying 192.168.3.44... connected
```

```
* Connected to 192.168.3.44 (192.168.3.44) port 80 (#0)
> POST /goform/login HTTP/1.1
> User-Agent: curl/7.19.7 (x86_64-redhat-linux-gnu) libcurl/7.19.7
NSS/3.14.0.0 zlib/1.2.3 libidn/1.18 libssh2/1.4.2
> Host: 192.168.3.44
> Accept: */*
> Content-Length: 28
> Content-Type: application/x-www-form-urlencoded
>
* HTTP 1.0, assume close after body
< HTTP/1.0 200 Data follows
< Server: GoAhead-Webs
< Date: Fri Mar 25 10:10:14 2022
< Set-Cookie: WQKJhuEcnAVA3t7WE+ug6A=xbPdDGyK0T50BNJWW; HttpOnly; Path=/
< Pragma: no-cache
< Cache-Control: no-cache
< Content-Type: text/html
< Location: /index.asp
<
<html><head>
<meta http-equiv=Content-Type content='text/html; charset=utf-8'>
<script language='JavaScript'>
window.top.location.href='/index.asp';
</script>
</body></html>

* Closing connection #0
```

2. Get Status:

HTTP Packet Request

```
“GET /xml/outlet_status.xml HTTP/1.1”CRLF
“Accept: */*”CRLF
“Accept-Encoding: gzip, deflate”CRLF
“Cookie: WQKJhuEcnAVA3t7WE+ug6A=”<token>CRLF
CRLF
```

NOTE:

- <token>: The generated access token that you received from section 1.

HTTP Packet Response

XML Format:

```
“<?xml version='1.0' ?>”
“<request>”
“<site_ip>”{SITE_IP}“</site_ip>”
“<connect_status>”{CONNECT_STATUS}“</connect_status>”
“<outlet_status>”{OUTLET_STATUS}“</outlet_status>”
“<site_lost>”{SITE_LOST}“</site_lost>”
“<uis_fun>”{UIS_RESET}“</uis_fun>”
“<reset_only>”{RESET_ONLY}“</reset_only>”
“<assign>”{ASSIGN}“</assign>”
“</request>”
```

XML Description:

SITE_IP:

- string: Site IP Address.

CONNECT_STATUS:

- digit(unit: millisecond): Site response time.

OUTLET_STATUS:

- digit: 0 stands for OFF. 1 stands for ON.

SITE_LOST:

- digit: Ping lost percentage.

UIS_RESET:

- digit: 0 stands for Auto Reset being disabled. 1 stands for Auto Reset being enabled.

RESET_ONLY:

- digit: 0 stands for Reset Only being disabled. 1 stands for Reset Only being enabled.

ASSIGN:

- digit: 0 stands for None. 1 stands for Outlet 1. 2 stands for Outlet 2. 3 stands for both outlets.

Example of cURL Request:

```
curl -v http://192.168.3.44/xml/outlet_status.xml -X GET -H
"Cookie:WQKJhuEcnAVA3t7WE+ug6A=xbPdDGyK0T5OBNJWW"
```

NOTE: "xbPdDGyK0T5OBNJWW" is the token received from section 1 example. You should replace it with the token you received.

Example of cURL Response:

```
* About to connect() to 192.168.3.44 port 80 (#0)
*   Trying 192.168.3.44... connected
* Connected to 192.168.3.44 (192.168.3.44) port 80 (#0)
> GET /xml/outlet_status.xml HTTP/1.1
> User-Agent: curl/7.19.7 (x86_64-redhat-linux-gnu) libcurl/7.19.7
NSS/3.14.0.0 zlib/1.2.3 libidn/1.18 libssh2/1.4.2
> Host: 192.168.3.44
> Accept: */*
> Cookie:WQKJhuEcnAVA3t7WE+ug6A=xbPdDGyK0T5OBNJWW
>
* HTTP 1.0, assume close after body
< HTTP/1.0 200 OK
< Date: Fri Mar 25 10:14:48 2022
< Server: GoAhead-Webs
< Pragma: no-cache
< Cache-Control: no-cache
< Content-type: text/xml
<
<?xml
version="1.0"?><request><site_label>Google,Yahoo,Pingler,Ask.com,Router,,</si
te_label><site_ip>142.250.191.100,74.6.143.26,64.140.162.242,151.101.66.114,1
69.254.30.97,null,null</site_ip><connect_status>25,41,77,25,0,-1,-
1</connect_status><site_lost>0,0,0,0,88,0,0</site_lost><lost_times>1,4,0,0,51
5,0,0</lost_times><outlet_status>0,0</outlet_status><uis_fun>1</uis_fun><rese
t_only>0,0</reset_only><assign>3,3,3,3,0,0,0</assign></request>

* Closing connection #0
```

3. Control Outlet

HTTP Packet Request

http://<IP>/cgi-bin/control2.cgi?<auth>&<action>

NOTE: This is a GET request.

- <IP>: The IP address of PWR-RMT-RBT2-515R-LCV2
- <auth>:
 - user=<Web Account>: The username of PWR-RMT-RBT2-515R-LCV2's web interface
 - passwd=<Web Password>: The password of PWR-RMT-RBT2-515R-LCV2's web interface

NOTE: Notice that this command uses “passwd”, not “password” which was used in section 1 of this instruction.

- <action>:
 - target=<0/1/2/3>
 - 0 stands for UIS (Auto Reset function)
 - 1 stands for Outlet 1
 - 2 stands for Outlet 2
 - 3 stands for both outlets
 - Outlets control=<0/1/2/3>
 - 0 stands for OFF
 - 1 stands for ON
 - 2 is reserved for future use.
 - 3 stands for power-cycling an outlet which is ON. Sending “3” to an OFF outlet will not affect PWR-RMT-RBT2-515R-LCV2.

HTTP Packet Response

XML format:

```
<?xml version='1.0'?>
<request>
<outlet_status>{OUTLET STATUS}</outlet_status>
<uis_status>{UIS_STATUS}</uis_status>
</request>
```

XML Description:

OUTLET_STATUS:

- digit: 0 stands for OFF. 1 stands for ON.

UIS_STATUS:

- digit: 0 stands for OFF. 1 stands for ON.

Example of cURL Request:

```
curl -v "http://192.168.3.44/cgi-bin/control2.cgi?user=admin&passwd=password&target=1&control=0" -X GET
```

Example of cURL Response:

```
* About to connect() to 192.168.3.44 port 80 (#0)
* Trying 192.168.3.44... connected
* Connected to 192.168.3.44 (192.168.3.44) port 80 (#0)
> GET /cgi-bin/control2.cgi?user=admin&passwd=password&target=1&control=0
HTTP/1.1
> User-Agent: curl/7.19.7 (x86_64-redhat-linux-gnu) libcurl/7.19.7
NSS/3.14.0.0 zlib/1.2.3 libidn/1.18 libssh2/1.4.2
> Host: 192.168.3.44
> Accept: */*
>
* HTTP 1.0, assume close after body
< HTTP/1.0 200 OK
< Server: GoAhead-Webs/2.1.8
< Pragma: no-cache
< Content-type: text/xml
<
* Closing connection #0
<?xml
version="1.0"?><request><outlet_status>0,0</outlet_status><uis_status>1</uis_
status></request>
```