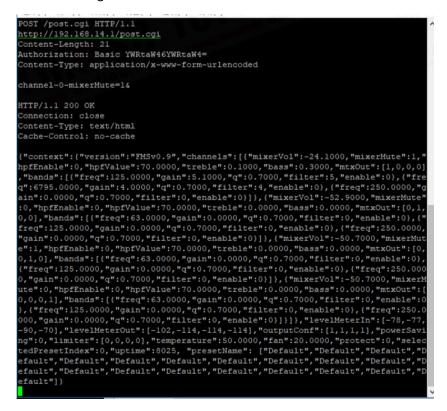


# **BAV2500/BAV4250 API**

NOTE: The IP address used in the example in this document is 192.168.14.1. Make sure you use the correct IP address in your application. A raw connection to the IP address and port 80. Below is an example using PuTTY.



Example of a successful command being sent:







#### Data Format

POST /post.cgi HTTP/1.1

http://192.168.14.1/post.cgi

Content-Length: 21

Authorization: Basic YWRtaW46YWRtaW4= [\$1]

Content-Type: application/x-www-form-urlencoded

channel-[\$2]-[\$3]=[\$4]&

\$1 = hashed username/password. Currently set as "YWRtaW46YWRtaW4=". Will provide a combination in the future.

\$2 = parameter CH

\$3 = parameter Type

\$4 = parameter Data





## Input Matrix

Input value	Output value	Value
0-3	0-3	1 or 0

Send a POST request with data format and data

Example: Input Ch2 → Output Ch1



POST /post.cgi HTTP/1.1

http://192.168.14.1/post.cgi

Content-Length: 21

Authorization: Basic YWRtaW46YWRtaW4=

Content-Type: application/x-www-form-urlencoded

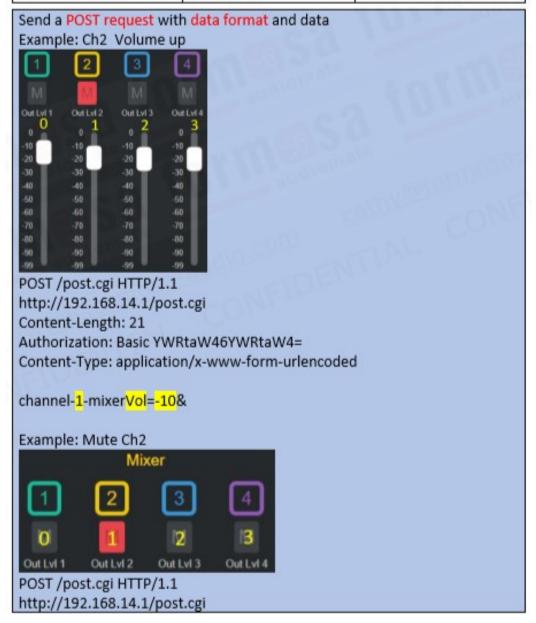
channel-0-mtxOut-1=1&





#### Volume

CH value	Туре	Value	
0-3	mixerVol	099	
0-3	mixerMute	1 or 0	







Content-Length: 21

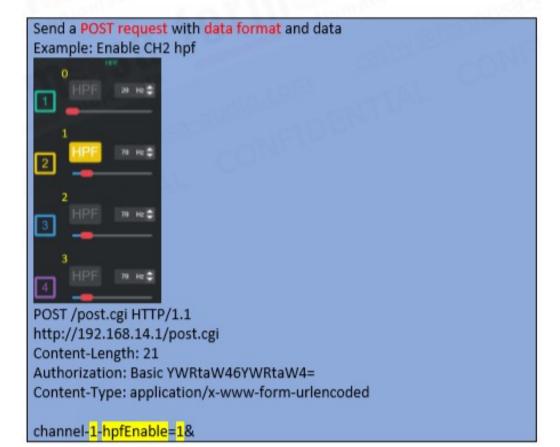
Authorization: Basic YWRtaW46YWRtaW4=

Content-Type: application/x-www-form-urlencoded

channel-1-mixerMute=1&

### Home, DSP

CH value	Туре	Value	
0-3	hpfEnable	1 or 0	
0-3 0-3	hpfValue	20 - 20000	. 11
0-3	treble	-12 - 12	
0-3	bass	-12 - 12	







### Home.PEQ

CH value	Band value	Туре	Value
0-3	0-2	enable	1 or 0
0-3	0-2	freq	20 - 20000
0-3	0-2	gain	-12 - 12
0-3	0-2	q	0.4 - 14
0-3	0-2	filter	0 - 5

filter	Description
0	Peak
1	Treble
2	Bass
3	notch
4	LPF
5	HPF

Send a POST request with data format and data

Example: Enable ch1 band2 POST /post.cgi HTTP/1.1 http://192.168.14.1/post.cgi

Content-Length: 25

Authorization: Basic YWRtaW46YWRtaW4=

Content-Type: application/x-www-form-urlencoded

channel-0-band-1-enable=1&

Example: set ch1 band2 filter (Treble)

POST /post.cgi HTTP/1.1 http://192.168.14.1/post.cgi

Content-Length: 25

Authorization: Basic YWRtaW46YWRtaW4=

Content-Type: application/x-www-form-urlencoded

channel-0-band-1-filter=1&





#### Home.Preset

### Save preset

Туре	Select	Rename
savePreset	1 - 20	0-9,A-Z,a-z

Send a POST request with data format and data

Example: select NO.3 save and rename 33

POST /post.cgi HTTP/1.1 http://192.168.14.1/post.cgi

Content-Length: 15

Authorization: Basic YWRtaW46YWRtaW4=

Content-Type: application/x-www-form-urlencoded

savePreset-3=33&

### 4.2 Load preset

Туре	Select
loadPreset	1 - 20

Send a POST request with data format and data

Example: load No.3 POST /post.cgi HTTP/1.1 http://192.168.14.1/post.cgi

Content-Length: 12

Authorization: Basic YWRtaW46YWRtaW4=

Content-Type: application/x-www-form-urlencoded

loadPreset=3&





#### reset preset

Туре	Value
resetPreset	1

Send a POST request with data format and data

Example: Reset Preset POST /post.cgi HTTP/1.1 http://192.168.14.1/post.cgi

Content-Length: 13

Authorization: Basic YWRtaW46YWRtaW4=

Content-Type: application/x-www-form-urlencoded

resetPreset=1&

### **Output Configurations**

CH	Туре	Value
0-3	outConf	0 - 2

Value	Description
0	4-8ohm
1	70V
2	100V

Send a POST request with data format and data

Example: set ch1 4-8ohm POST /post.cgi HTTP/1.1 http://192.168.14.1/post.cgi

Content-Length: 19

Authorization: Basic YWRtaW46YWRtaW4=

Content-Type: application/x-www-form-urlencoded

channel-0-outConf=0&





### **Power Saving**

Туре	Value
powerSaving	0 or 1

Value	Description
0	ON
1	Auto

Send a POST request with data format and data

Example: set power mode Auto

POST /post.cgi HTTP/1.1 http://192.168.14.1/post.cgi

Content-Length: 13

Authorization: Basic YWRtaW46YWRtaW4=

Content-Type: application/x-www-form-urlencoded

powerSaving=1&

