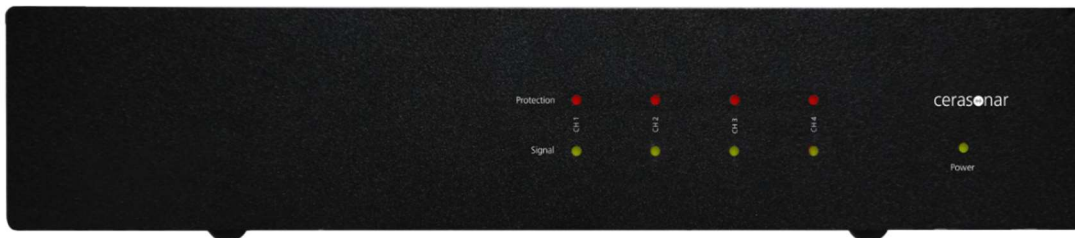




cerasonar
invisible speakers



cerasonar cs-500dsp4 internet protocol (API)

Content

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 - 1.2. Volume
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4. Data Format

```
POST http://192.168.14.1/post.cgi HTTP/1.1
Host: 192.168.14.1
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=".

\$1 = base64encode("username:password")

Ex. Base64("admin:admin") = "YWRtaW46YWRtaW4="

\$2 = parameter CH

\$3 = parameter Type

\$4 = parameter Date

Note: HTTP request must end with \r\n, not \n.

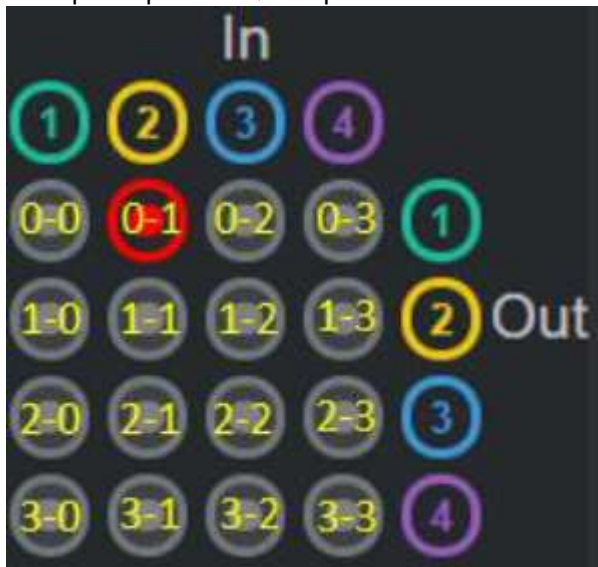
1. Home Matrix

1.1 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



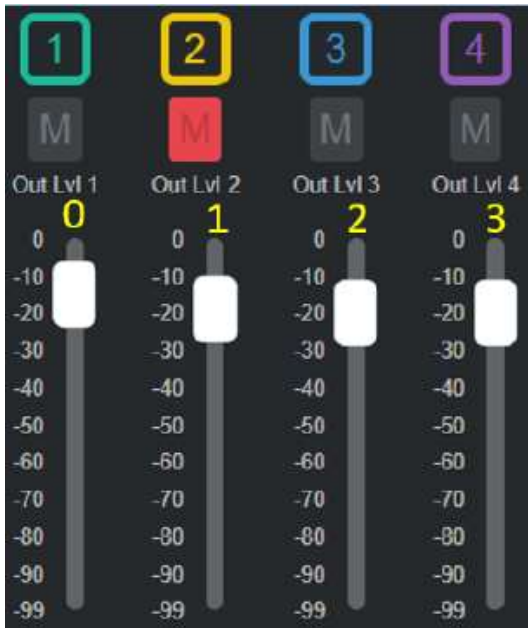
```
POST /post.cgi HTTP/1.1
Host: 192.168.14.1
Content-Length: 21
Authorization: Basic YWRtaW46YWRtaW4=
Content-Type: application/x-www-form-urlencoded
```

```
channel-0-mtxOut-1=1&
```

1.2 Volume

CH value	Type	Value
0-3	mixerVol	0 - -99
0-3	mixerMute	1 or 0

Send a **POST request** with **data format** and data
 Example: Ch2 Volume up



```
POST /post.cgi HTTP/1.1
Host: 192.168.14.1
Content-Length: 21
Authorization: Basic YWRtaW46YWRtaW4=
Content-Type: application/x-www-form-urlencoded
```

channel-1-mixerVol=-10&

Example: Mute Ch2



```
POST /post.cgi HTTP/1.1
Host: 192.168.14.1
```

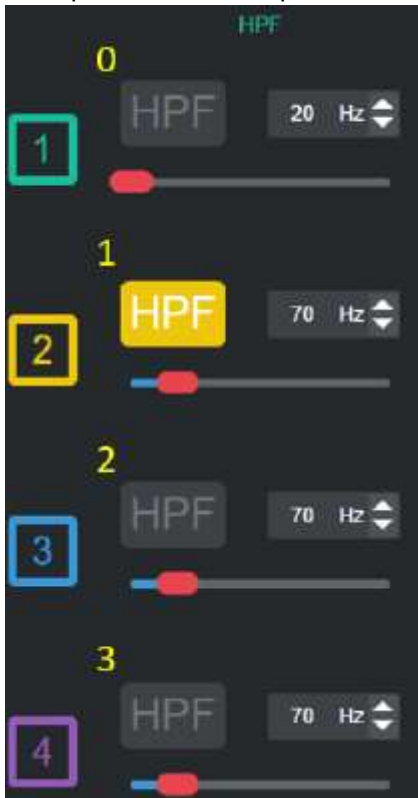
Content-Length: 21
 Authorization: Basic YWRtaW46YWRtaW4=
 Content-Type: application/x-www-form-urlencoded

channel-1-mixerMute=1&

2. Home DSP

CH value	Type	Value
0-3	hpfEnable	1 or 0
0-3	hpfValue	20 - 20000
0-3	treble	-12 - 12
0-3	bass	-12 - 12

Send a **POST request** with **data format** and data
 Example: Enable CH2 hpf



POST /post.cgi HTTP/1.1
 Host: 192.168.14.1
 Content-Length: 21
 Authorization: Basic YWRtaW46YWRtaW4=
 Content-Type: application/x-www-form-urlencoded

channel-1-hpfEnable=1&

3. Home PEQ

CH value	Band value	Type	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

Host: 192.168.14.1

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/1.1Host: 192.168.14.1

Content-Length: 25

Authorization: Basic YWRtaW46YWRtaW4=

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

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

4. Home Preset

4.1 Save preset

Type	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

Host: 192.168.14.1

Content-Length: 15

Authorization: Basic YWRtaW46YWRtaW4=

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

savePreset-3=33&

4.2 Load preset

<u>Type</u>	<u>Select</u>
loadPreset	1 – 20

Send a **POST request** with **data format** and data

Example: load No.3

POST /post.cgi HTTP/1.1

Host: 192.168.14.1

Content-Length: 12

Authorization: Basic YWRtaW46YWRtaW4=

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

loadPreset=3&

4.3 reset preset

<u>Type</u>	<u>Value</u>
resetPreset	1

Send a **POST request** with **data format** and data

Example: Reset Preset

POST /post.cgi HTTP/1.1

Host: 192.168.14.1

Content-Length: 13

Authorization: Basic YWRtaW46YWRtaW4=

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

resetPreset=1&
