

Vaddio API

AV Bridge Nano 1.1.0 August 19, 2024

NAME

audio config

SYNOPSIS

audio config recall { factory <1-5> | custom <1-16> }

audio config store custom <1-16>

audio config delete custom <1-16>

DESCRIPTION

Method used to get/set/delete the audio config

OPTIONS

recall	Recall an audio config
store	Store a custom audio config
custom	A custom audio config (can be stored or recalled)
factory	A factory audio config (can be recalled)

EXAMPLES

audio config recall factory 2

Recalls the audio config 2 on the device

NAME

audio crosspoint-gain

SYNOPSIS

audio <output> crosspoint-gain <input> { get | set <level> }

DESCRIPTION

Method used to get or set the input routing gain for a given output and input of the matrix mix

For set commands, a value in the range of [-12.0, 12.0] dB must be entered.

OPTIONS

<output>

line_out_left	Get/Set input gain routed to left line output
line_out_right	Get/Set input gain routed to right line output
usb_record_left	Get/Set input gain routed to USB record left
usb_record_right	Get/Set input gain routed to USB record right
hdmi_out_left	Get/Set input gain routed to HDMI output left
hdmi_out_right	Get/Set input gain routed to HDMI output right
ip_out_left	Get/Set input gain routed to IP output left
ip_out_right	Get/Set input gain routed to IP output right

<input>

line_in_left	Get/Set routing gain of left line input for chosen output
line_in_right	Get/Set routing gain of right line input for chosen output
usb_playback_left	Get/Set routing gain of USB playback left for chosen output
usb_playback_right	Get/Set routing gain of USB playback right for chosen output
hdmi_in_left	Get/Set routing gain of HDMI input left for chosen output

hdmi_in_right output	Get/Set routing gain of HDMI input right for chosen output
get	Get the routing gain for the chosen output and input
set	Set the routing gain for the chosen output and input

EXAMPLES

audio usb_record_left crosspoint-gain line_in_left set 6.00

Sets the crosspoint gain of USB record left and left line input to 6 dB

audio-crosspoint-gain(1) Vaddio API User Manual audio-crosspoint-gain(1)

audio line_out_right crosspoint-gain hdmi_in_left get 3.95

Returns the current gain setting of the crosspoint between left line output 1 and HDMI input left in dB

NAME

audio master

SYNOPSIS

audio master mute { get | on | off | toggle }

DESCRIPTION

Method used to get or set the current audio master mute

OPTIONS

get	Get the current audio mute
on	Set audio mute to on
off	Set audio mute to off
toggle	Toggle the audio mute

EXAMPLES

audio master mute get

mute: off

Returns state of the master mute

NAME

audio mute

SYNOPSIS

audio <channel> mute { get | on | off | toggle }

DESCRIPTION

Method used to get or set the current audio mute

OPTIONS

<channel>

master

Get/Set/Toggle the master mute state

line_out_left

Get/Set/Toggle the mute state of left line output

line_out_right

Get/Set/Toggle the mute state of right line output

line_in_left

Get/Set/Toggle the mute state of left line input

line_in_right

Get/Set/Toggle the mute state of right line input

usb_record_left

Get/Set/Toggle the mute state of USB record left

usb_record_right

Get/Set/Toggle the mute state of USB record right

usb_playback_left

Get/Set/Toggle the mute state of USB playback left

usb_playback_right

Get/Set/Toggle the mute state of USB playback right

hdmi_out_left

Get/Set/Toggle the mute state of HDMI output left

hdmi_out_right

Get/Set/Toggle the mute state of HDMI output right

hdmi_in_left

Get/Set/Toggle the mute state of HDMI input left

hdmi_in_right

Get/Set/Toggle the mute state of HDMI input right

ip_out_left

Get/Set/Toggle the mute state of IP output left

ip_out_right

Get/Set/Toggle the mute state of IP output right

get

Get the current audio mute

on

Set audio mute to on

off

Set audio mute to off

toggle

Toggle the audio mute

EXAMPLES

audio master mute get

mute: off

Returns state of the master mute

audio line_in_right mute on

Mutes right line input

NAME

audio route

SYNOPSIS

```
audio <output> route { get | set [<inputs>..] }
```

DESCRIPTION

Method used to get or set the input routing for a given output of the audio matrix

Further notes: usb_record is not allowed to have usb_playback in its route list.

OPTIONS

<output>

line_out_left	Get/Set the inputs to be routed to left line output
line_out_right	Get/Set the inputs to be routed to right line output
usb_record_left	Get/Set the inputs to be routed to USB record left
usb_record_right	Get/Set the inputs to be routed to USB record right
hdmi_out_left	Get/Set the inputs to be routed to HDMI output left
hdmi_out_right	Get/Set the inputs to be routed to HDMI output right
ip_out_left	Get/Set the inputs to be routed to IP stream output left
ip_out_right	Get/Set the inputs to be routed to IP stream output right
get	Get the inputs currently routed to the chosen output
set	Set the following inputs to be routed to the chosen
output	

<input>

line_in_left	Include left line input in the specified output
line_in_right	Include right line input in the specified output
usb_playback_left	Include USB playback left in the specified output
usb_playback_right	Include USB playback right in the specified output
hdmi_in_left	Include HDMI input left in the specified output

hdmi_in_right

Include HDMI input right in the specified output

EXAMPLES

```
audio usb_record_left route set line_in_left
```

Routes the usb record left into the left line input

```
audio line_out_left route set hdmi_in_left hdmi_in_right line_in_left
```

Routes the HDMI input left and right channels and left line in to left line out

```
audio line_out_right route set
```

Nothing routed out right line out

```
audio line_out_right route get
```

```
[ line_in_left usb_playback_left usb_playback_right ]
```

returns a list of inputs routed out right line output

NAME

audio volume

SYNOPSIS

audio <channel> volume { get | up | down | set <level> }

DESCRIPTION

Method used to get or set the current audio volume.

OPTIONS

<channel>

master	Get/Set/Bump the master volume
line_out_left	Get/Set/Bump the volume of left line output
line_out_right	Get/Set/Bump the volume of right line output
line_in_left	Get/Set/Bump the volume of left line input
line_in_right	Get/Set/Bump the volume of right line input
usb_record_left	Get/Set/Bump the volume of USB record left
usb_record_right	Get/Set/Bump the volume of USB record right
usb_playback_left	Get/Set/Bump the volume of USB playback left
usb_playback_right	Get/Set/Bump the volume of USB playback right
hdmi_in_left	Get/Set/Bump the volume of HDMI input left
hdmi_in_right	Get/Set/Bump the volume of HDMI input right
hdmi_out_left	Get/Set/Bump the volume of HDMI output left
hdmi_out_right	Get/Set/Bump the volume of HDMI output right
ip_out_left	Get/Set/Bump the volume of IP output left
ip_out_right	Get/Set/Bump the volume of IP output right
get	Get the current audio volume
up	Increment audio volume one half step
down	Decrement audio volume one half step

set	Set the audio volume level
<level>	
master	[-42.0, 6.0]
line inputs	[-42.0, 6.0]
line outputs	[-42.0, 6.0]
USB in/out	[-48.0, 6.0]
HDMI in	[-48.0, 6.0]
HDMI out	[-48.0, 6.0]

EXAMPLES

audio master volume get

volume:

5.0 dB

Returns the current master volume

audio hdmi_in_left volume set 2.5

Sets the volume of HDMI input left to 2.5

NAME

exit

SYNOPSIS

exit

DESCRIPTION

Ends the current API command session. If the session is over telnet, the session is ended and the socket is closed. If the session is over serial, a new session is started.

NAME

help

SYNOPSIS

help

DESCRIPTION

Display an overview of the command line syntax

NAME

history

SYNOPSIS

history [limit]

DESCRIPTION

Since many of the programs read user input a line at a time, the command history is used to keep track of these lines and also recall historic information

HISTORY NAVIGATION

The command history can be navigated using the up and down arrow keys. The up arrow will move up a single entry in the command history while the down arrow moves down in the command history.

HISTORY EXPANSION

The command history supports the expansion functionality from which previous commands can be recalled from within a single session. History expansion is performed immediately after a complete line is read.

Listed below are examples of history expansion:

- * !! Substitute the the last command line.
- * !N Substitute the Nth command line (absolute as per 'history' command)
- * !-N Substitute the command line entered N lines before (relative)

EXAMPLES

history

Displays the current command buffer

history 5

Sets the history command buffer to remember the last 5 unique entries

NAME

info all get

SYNOPSIS

info all get

DESCRIPTION

Gets all the data from info

OPTIONS

get	Get all the data from info
-----	----------------------------

EXAMPLES

info all get

Product	GenericTHING
Company Name	Vaddio
Room Name	Rick's cubicle
Room Phone Number	(248) 434-5508
Help Phone Number	(763) 971-4428

NAME

info product get

SYNOPSIS

info product get

DESCRIPTION

Gets the product name

OPTIONS

get	Get the product name
-----	----------------------

EXAMPLES

info product get

Product GenericTHING

NAME

info roomlabels get

SYNOPSIS

info roomlabels get

DESCRIPTION

Gets all the user set room lables

OPTIONS

get	Get the user set room labels
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EXAMPLES

info roomlabels get

Company Name	Vaddio
Room Name	Rick's cubicle
Room Phone Number	(248) 434-5508
Help Phone Number	(763) 971-4428

NAME

network ping

SYNOPSIS

network ping [count <count>] [size <size>] <destination-ip>

DESCRIPTION

Use the ICMP protocol's mandatory ECHO_REQUEST datagram to elicit an ICMP ECHO_RESPONSE from a host or gateway. ECHO_REQUEST datagrams have an IP and ICMP header, followed by a struct timeval and then an arbitrary number of pad bytes used to fill out the packet.

OPTIONS

count	Stop after sending count ECHO_REQUEST packets. With deadline option, ping waits for count ECHO_REPLY packets, until the timeout expires. The default is 5.
destination	The destination IP address where the ECHO_REQUESTS are sent
size	The data size of the ICMP packet to send. The default is 56 bytes

EXAMPLES

```
network ping 192.168.1.1
```

Attempt to send 5 ICMP ECHO_REQUESTs with data size 56 to the host at 192.168.1.1

```
network ping count 10 size 100 192.168.1.1
```

Attempt to send 10 ICMP ECHO_REQUESTs with data size of 100 to the host at 192.168.1.1

NAME

network settings

SYNOPSIS

network settings { get }

DESCRIPTION

Method used to get the current network settings of the device

OPTIONS

get Get the current network settings for the machine

EXAMPLES

network settings get

MAC Address: 00:04:a3:85:0a:ee

IP Address: 10.10.8.116

Netmask: 255.255.255.0

Gateway: 10.10.8.100

Returns the current network settings for mac address, ip address, netmask, and gateway

NAME

streaming enable

SYNOPSIS

streaming <channel> enable { get | on | off | toggle }

DESCRIPTION

Method used to get or set the current streaming enabled

OPTIONS

<channel>

ip	Get or set the current IP streaming state
----	---

get	Get the current streaming state
-----	---------------------------------

on	Set streaming state to on
----	---------------------------

off	Set streaming state to off
-----	----------------------------

toggle	Toggle the streaming state
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EXAMPLES

streaming ip enable get

enabled: on

Returns whether IP streaming is enabled

streaming ip enable on

Enables IP streaming

NAME

streaming mode

SYNOPSIS

streaming mode { get | set { usb | ip } }

DESCRIPTION

this method changes between ip streaming and usb streaming changing streaming modes will require a reboot to take affect it can also get the current mode of the device

OPTIONS

get	View current streaming mode
set usb	Sets current streaming mode to usb streaming (requires reboot)
set ip	Sets current streaming mode to ip streaming (requires reboot)

EXAMPLES

streaming mode get

IP streaming mode

streaming mode set usb these changes will be applied on the next reboot

NAME

streaming settings

SYNOPSIS

streaming settings get

DESCRIPTION

Method used to get the current streaming settings The settings returned will change based on whether we're in IP or USB streaming mode

OPTIONS

settings	View streaming settings
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EXAMPLES

streaming settings get

IP Bit_Rate_Mode	Variable
IP Custom_Resolution	1080p/25
IP Max_Bandwidth	2048
IP Preset_Resolution	720p
IP Protocol	false
IP RTMP_Port	1935
IP RTMP_SERVICE	Service 1
IP RTSP_MTU	1400
IP RTSP_Port	554
IP RTSP_URL	vaddio-avb-nano-stream
IP Streaming_Enabled	false
IP Video_Quality	Standard (Better)

streaming settings get

HID Audio_Controls_Enabled	true
USB Active	false
USB Device	AV Bridge Nano
USB Enumeration_Speed	3.0
USB Resolution	0x0/0

NAME

system factory-reset

SYNOPSIS

system factory-reset { get | on | off }

DESCRIPTION

Method used to get or set the factory reset status.

OPTIONS

get	Get the current factory reset status
on	Enable factory reset on reboot
off	Disable factory reset on reboot

EXAMPLES

```
system factory-reset get
factory-reset (software):  off
factory-reset (hardware):  off
Returns the factory reset status
----
system factory-reset on
factory-reset (software):  on
factory-reset (hardware):  off
Enables factory reset upon reboot
```

NAME

system reboot

SYNOPSIS

system reboot [<seconds>]

DESCRIPTION

Method used to reboot system

OPTIONS

seconds	The number of seconds to delay the reboot
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EXAMPLES

reboot

Reboot system immediately

reboot 30

Reboot the system in 30 seconds

NAME

version

SYNOPSIS

version

DESCRIPTION

Display an overview of the command line syntax

EXAMPLES

version

Returns the current software version

NAME

video mute

SYNOPSIS

video mute { get | on | off | toggle }

DESCRIPTION

Method used to get or set video mute

OPTIONS

get	Get the current video mute
on	Set video mute to on
off	Set video mute to off
toggle	Toggle the video mute

EXAMPLES

video mute get

Get current video mute setting

video mute toggle

Toggles the current video mute setting

video mute on

Mutes video

video mute off

Unmutes video

NAME

video osd

SYNOPSIS

video osd { get | on | off }

DESCRIPTION

Method used to get or set on screen display

OPTIONS

get	Get's whether OSD is on or off
on	Set OSD to on
off	Set OSD to off

EXAMPLES

video osd get

Get whether OSD is on or off

video osd on

turns on the on screen display

video osd off

turns off the on screen display

NAME

video resolution

SYNOPSIS

video resolution { get | set <resolution> }

DESCRIPTION

Method used to get or set video resolution

OPTIONS

get	Get the current video resolution
set	Set the video resolution
<resolution>	
auto	Let the device figure out the resolution
passthrough	Copy the resolution going into the input
1080p/60	Set to this specific resolution
1080p/59.94	Set to this specific resolution
1080p/50	Set to this specific resolution
1080p/30	Set to this specific resolution
1080p/25	Set to this specific resolution
720p/60	Set to this specific resolution
720p/59.94	Set to this specific resolution
720p/50	Set to this specific resolution
1600x900/60	Set to this specific resolution
1024x768/60	Set to this specific resolution
640x480/60	Set to this specific resolution

EXAMPLES

video resolution set auto

Sets video resolution to auto