

Vaddio API

ConferenceSHOT AV 1.8.0 May 21, 2025

NAME

audio config

SYNOPSIS

audio config recall { factory <1> | 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 1
```

Recalls the audio config 1 on the device

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_1	Get/Set/Toggle the mute state of line output 1
easy_mic_1	Get/Set/Toggle the mute state of easy mic 1
easy_mic_2	Get/Set/Toggle the mute state of easy mic 2
usb_record	Get/Set/Toggle the mute state of USB record
usb_playback	Get/Set/Toggle the mute state of USB playback
ip_stream	Get/Set/Toggle the mute state of IP stream playback
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 easy_mic_1 mute on
```

Mutes easy mic input 1

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_1	Get/Set/Bump the volume of line output 1
easy_mic_1	Get/Set/Bump the volume of easy mic 1
easy_mic_2	Get/Set/Bump the volume of easy mic 2
usb_record	Get/Set/Bump the volume of USB record
usb_playback	Get/Set/Bump the volume of USB playback
ip_stream	Get/Set/Bump the volume of IP stream playback
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	[-50.0, 6.0]
easy mic	[-42.0, 6.0]
line output	[-50.0, 6.0]
USB record	[-42.0, 6.0]
USB playback	[-42.0, 6.0]
IP stream	[-42.0, 6.0]

EXAMPLES

audio master volume get

volume:

5.0 dB

Returns the current master volume

audio easy_mic_1 volume set 5.5

Sets the volume of easy mic 1 to 5.5

NAME

camera ccu get

SYNOPSIS

camera ccu get <key>

DESCRIPTION

Method used to get the ccu values of a connected camera

OPTIONS

<key>

all	Gets all supported CCU information
auto_white_balance	Gets auto_white_balance
red_gain	Gets red gain value
blue_gain	Gets blue gain value
backlight_compensation	Gets backlight compensation
auto_iris	Gets auto_iris mode
iris	Gets iris value
gain	Gets gain value
detail	Gets detail value
chroma	Gets chroma value
gamma	Gets gamma value
wide_dynamic_range	Gets wide_dynamic_range

EXAMPLES

camera ccu get iris

Gets the iris value for the camera

camera ccu get red_gain

Gets the red_gain for the camera

NAME

camera ccu set

SYNOPSIS

camera ccu set <key> <value>

DESCRIPTION

Method used to sets the ccu values

OPTIONS

<key>

auto_white_balance	Sets auto white balance mode {on off}
red_gain	Sets red gain value <0-255>
blue_gain	Sets blue gain value <0-255>
backlight_compensation	Sets backlight compensation mode {on off}
auto_iris	Sets auto iris mode {on off}
iris	Sets iris value <0-11>
gain	Sets gain value <0-11>
detail	Sets detail value <0-15>
chroma	Sets chroma value <0-14>
gamma	Sets gamma value <-16-64>
wide_dynamic_range	Sets wide dynamic range mode {on off}

EXAMPLES

```
camera ccu set auto_iris off
```

Sets the auto_iris off on the camera

```
camera ccu set red_gain 10
```

Sets the red gain to be 10 on the camera

NAME

camera focus

SYNOPSIS

```
camera focus { { near [<speed>] | far [<speed>] } | stop }
```

```
camera focus mode { get | auto | manual }
```

DESCRIPTION

Method used to focus the camera

OPTIONS

near	Move the camera focus near (with optional speed)
far	Move the camera focus far (with optional speed)
stop	Stop the camera focus
mode	Get the current mode or set the it to auto or manual
speed	Optional integer from 1-8 that represents the speed

EXAMPLES

```
camera focus near
```

Focuses the camera near at the default speed

```
camera focus far 8
```

Focuses the camera far at a speed of 8

```
camera focus stop
```

Stops focus movement of the camera

```
camera focus mode get
```

Gets the focus mode

NAME

camera focus ir-correction

SYNOPSIS

camera focus ir-correction { get | standard | ir-light }

DESCRIPTION

Method used to get and set the state of IR focus correction

OPTIONS

get	Get the current state of IR focus correction
standard	Set IR focus correction to standard
ir-light	Set IR focus correction to ir light

EXAMPLES

```
camera focus ir-correction get
```

Returns standard or ir-light

```
camera focus ir-correction standard
```

Sets IR focus correction to standard

```
camera focus ir-correction ir-light
```

Sets IR focus correction to ir-light

NAME

camera home

SYNOPSIS

camera home

DESCRIPTION

Method used to move the camera to home position

EXAMPLES

camera home

Move the camera to home position

NAME

camera icr

SYNOPSIS

camera icr { get | off | on }

DESCRIPTION

Method used to control IR(Cut) filter

OPTIONS

get	IR(Cut) filter status
off	IR(Cut) filter engaged - color
on	IR(Cut) filter disengaged - black and white

EXAMPLES

camera icr off

IR(Cut) filter engaged - color

camera icr get IR(Cut) filter off(In)

NAME

camera led

SYNOPSIS

camera led get

camera led on

camera led off

DESCRIPTION

Method used to toggle the led on or off

OPTIONS

get	Get status (on/off)
-----	---------------------

on	Turn LED on
----	-------------

off	Turn LED off
-----	--------------

EXAMPLES

camera led on

Turn LED on.

camera led off

Turn LED off.

camera led get

Determine whether LED is on or off.

NAME

camera pan

SYNOPSIS

camera pan { left [<speed>] | right [<speed>] | stop | get | set <position> [<spee

DESCRIPTION

Method used to pan the camera

OPTIONS

left	Move the camera left
right	Move the camera right
stop	Stop the camera movement
get	Get the absolute position
set	Set the absolute position
position	Pan position in degrees
speed	Optional integer from 1-24 that represents the speed (Default: 12)
no_wait	Do not wait for camera movement to complete

EXAMPLES

camera pan left

Pans the camera left at the default speed

camera pan right 20

Pans the camera to the right at a speed of 20

camera pan stop

Stops the pan movement of the camera

camera pan set -45 20

Pan the camera to 45 degrees left of home at a speed of 20

camera pan set 30 no_wait

Pan the camera to 30 degrees right of home at a speed of 12, and return immediately

NAME

camera preset

SYNOPSIS

camera preset recall <1-16>

camera preset store <1-16> [save-ccu]

DESCRIPTION

Method used to recall and store camera presets

OPTIONS

recall	Recall preset
store	Store preset
save-ccu	Saves CCU information as well in the preset

EXAMPLES

camera preset recall 3

Move the camera to preset 3

camera preset store 1

Store current camera position as preset 1

camera preset store 2 save-ccu

Store current camera position and CCU settings as preset 2

NAME

camera ptz-position

SYNOPSIS

camera ptz-position [get | set [pan <pan-pos> [<p-speed>]] [tilt <tilt-pos> [<t-sp

DESCRIPTION

Method used to pan, tilt, and zoom the camera

OPTIONS

get	Get the camera PTZ positions
set	Set the camera PTZ positions
pan	Set the camera pan position in degrees
tilt	Set the camera tilt position in degrees
zoom	Set the camera magnification
wait	Do not complete until camera arrives at position (Default)
no_wait	Complete immediately
pan-pos	Pan position
p-speed	Optional Pan speed 1-24 (Default: 12)
tilt-pos	Tilt position
t-speed	Optional Tilt speed 1-20 (Default: 10)
zoom-pos	Zoom magnification level
z-speed	Optional Zoom speed 1-7 (Default: 3)

EXAMPLES

```
camera ptz-position set pan 35 tilt 25 zoom 5 no_wait
```

Pans the camera to 35 degrees, tilts to 25 degrees, and zooms to 5x, returning when camera arrives

camera ptz-position set pan -35 20 tilt -5 18 zoom 10 7

Pans the camera to -35 degrees at speed 20, tilts to -5 degrees at speed 18, and zooms to 10x at speed 7, re-

turning immediately

camera ptz-position get

Get the current pan, tilt, and zoom positions

NAME

camera recalibrate

SYNOPSIS

camera recalibrate

DESCRIPTION

Method used to recalibrate the pan-tilt motors

EXAMPLES

camera recalibrate

Recalibrates pan-tilt motors

NAME

camera tilt

SYNOPSIS

camera tilt { up [<speed>] | down [<speed>] | stop | get | set <position> [<speed>]

DESCRIPTION

Method used to tilt the camera

OPTIONS

up	Move the camera up
down	Move the camera down
stop	Stop the camera movement
get	Get the absolute position
set	Set the absolute position
position	Tilt position in degrees
speed	Optional integer from 1-20 that represents the speed (Default: 10)
no_wait	Do not wait for camera movement to complete

EXAMPLES

camera tilt up

Tilts the camera up at the default speed

camera tilt down 20

Tilts the camera down at a speed of 20

camera tilt stop

Stops the tilt movement of the camera

camera tilt set 45

Tilt the camera to 45 degrees above home position at default speed

camera tilt set -10 5

Tilt the camera to 10 degrees down from home position at a speed of 5

camera tilt set 10 no_wait

Tilt the camera to 10 degrees up from home position at a speed of 10, returning immediately

NAME

camera zoom

SYNOPSIS

camera zoom { in [<speed>] | out [<speed>] | stop | get | set <magnification> [<sp

DESCRIPTION

Method used to zoom the camera

OPTIONS

in	Zoom in
out	Zoom out
stop	Stop the camera movement
get	Get the current magnification level
set	Set the current magnification level
speed	Optional integer from 1-7 for designating speed (Default: 3)
no_wait	Do not wait for camera movement to complete

EXAMPLES

camera zoom in

Zooms the camera in at the default speed

camera zoom out 7

Zooms the camera out at a speed of 7

camera zoom stop

Stops zoom movement of the camera

camera zoom get

Get magnification level

camera zoom set 3

Set current magnification level to 3x magnification at speed 3

camera zoom set 4 5 no_wait

Set current magnification level to 3x magnification at speed 5, returning immediately

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

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

streaming

SYNOPSIS

streaming settings get

DESCRIPTION

Method used to get the current streaming settings

OPTIONS

settings View streaming settings

EXAMPLES

streaming settings get

IP Custom_Frame_Rate	15
IP Custom_Resolution	360p
IP Enabled	true
IP Port	554
IP Preset_Quality	Standard (Better)
IP Preset_Resolution	720p
IP Protocol	RTSP
IP URL	lobby-conference
IP MTU	1400
USB Active	true
USB Device	onferenceSHOT AV
USB Frame_Rate	60
USB Resolution	1080p
USB Version	3.0
UVC Extensions_Enabled	true

NAME

sleep

SYNOPSIS

sleep <value>

DESCRIPTION

Method used to pause for a period of time (in milliseconds).

OPTIONS

<value>

Positive integer of milliseconds to wait (1-10000)

EXAMPLES

sleep 700

Waits for 700 milliseconds before returning

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

EXAMPLES

```
streaming ip enable get
```

```
enabled: on
```

Returns whether IP streaming is enabled

```
----
```

```
streaming ip enable on
```

Enables IP streaming

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

EXAMPLES

reboot

Reboot system immediately

reboot 30

Reboot the system in 30 seconds

NAME

system standby

SYNOPSIS

```
system standby { get | on | off | toggle }
```

DESCRIPTION

Method used to put the system in and out of standby

OPTIONS

get	get the state of the system standby mode
on	put the system into standby mode
off	put the system out of standby mode
toggle	switches the standby mode state

EXAMPLES

```
system standby get
```

Gets the system standby state

```
system standby on
```

Activates the system standby

```
system standby off
```

Takes the system out of standby

```
system standby toggle
```

Cameras in standby leave it. Cameras out of standby go into it.

NAME

trigger

SYNOPSIS

```
trigger <1-50> { on | off } [block [<seconds>]]
```

DESCRIPTION

Method used to turn a software trigger on or off (latching).

The command can either return immediately or block until all macros initiated by the state change finish. This method is disabled while triggers are in 'test mode' via the web.

OPTIONS

on	Turn trigger on
off	Turn trigger off
block	optionally block (if omitted, the command will return immediately) seconds number of seconds to wait (if blocking) before giving up (default: 60)

EXAMPLES

```
trigger 2 on
```

Puts trigger 2 in an 'on' state

```
trigger 3 off block 10
```

Puts trigger 3 in an 'off' state and blocks for a maximum of 10 seconds while waiting for any macros that began executing to finish.

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

Commit ID - 29797807c7e6abc3516c88d9b7c8c136b8adac15