

## Vaddio API

OneLINK Bridge 1.7.0 June 18, 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 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>

usb3_record_left	Get/Set input gain routed to USB record output left
usb3_record_right	Get/Set input gain routed to USB record output 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
sdi_out_left	Get/Set input gain routed to SDI output left
sdi_out_right	Get/Set input gain routed to SDI output right
hdbt_out_left	Get/Set input gain routed to HDBT output left
hdbt_out_right	Get/Set input gain routed to HDBT output right
line_out_1	Get/Set input gain routed to line_out_1 output
line_out_2	Get/Set input gain routed to line_out_2 output

### <input>

auto_mic_mix	Get/Set routing gain of auto_mic_mix for chosen output
usb3_playback_left	Get/Set routing gain of USB playback left for chosen input
usb3_playback_right	Get/Set routing gain of USB playback right for chosen output
hdbt_in_left	Get/Set routing gain of HDBT input for chosen output

hdbr_in_right	Get/Set routing gain of HDBT input for chosen output
line_in_1	Get/Set routing gain of line input 1 for chosen output
line_in_2	Get/Set routing gain of line input 2 for chosen output
get	Get routing gain for chosen output and input
set	Set routing gain for chosen output and input

## EXAMPLES

```
audio usb3_record_left crosspoint-gain auto_mic_mix set 6.00
```

Sets the crosspoint gain of USB record left and auto\_mic\_mix to 6 dB

----

```
audio line_out_1 crosspoint-gain usb3_playback_left get
```

3.95

Returns the current gain setting of the crosspoint between line output 1 and USB playback left

in dB

## NAME

audio echo-cancel

## SYNOPSIS

audio <channel> echo-cancel { get | on | off | toggle }

## DESCRIPTION

Method used to get or set the current echo cancellation setting

## OPTIONS

<channel>

line_in_1	1	Get/Set/Toggle the echo cancellation state of line input
line_in_2	2	Get/Set/Toggle the echo cancellation state of line input
get		Get the current echo cancellation setting
on		Set echo cancellation to on
off		Set echo cancellation to off
toggle		Toggle the echo cancellation setting

## EXAMPLES

```
audio line_in_1 echo-cancel get
```

echo cancel:

```
off
```

Returns state of the echo cancellation setting

----

```
audio line_in_2 echo-cancel on
```

Turns echo cancellation on for line input 2

## 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
line_out_2	Get/Set/Toggle the mute state of line output 2
line_in_1	Get/Set/Toggle the mute state of line input 1
line_in_2	Get/Set/Toggle the mute state of line input 2
usb3_record_left	Get/Set/Toggle the mute state of USB record left
usb3_record_right	Get/Set/Toggle the mute state of USB record right
usb3_playback_left	Get/Set/Toggle the mute state of USB playback left
usb3_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
sdi_out_left	Get/Set/Toggle the mute state of SDI output left
sdi_out_right	Get/Set/Toggle the mute state of SDI output right
hdbt_out_left	Get/Set/Toggle the mute state of HDBT output left
hdbt_out_right	Get/Set/Toggle the mute state of HDBT 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_2 mute on
```

Mutes line input 2

## 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 matrix mix

Further notes: USB record is not allowed to have USB playback in its route list. The designated master output must have speech lift in its route list if it's enabled. The designated master output cannot have the auto\_mic\_mix in its route list. The designated master output can only have line inputs in its route list if they are the enabled speech lift, or are not included in the auto mic mix.

## OPTIONS

<output>

usb3_record_left	Get/Set the inputs to be routed to the USB record left
usb3_record_right	Get/Set the inputs to be routed to the USB record right
hdmi_out_left	Get/Set the inputs to be routed to the HDMI output left
hdmi_out_right	Get/Set the inputs to be routed to the HDMI output right
hdbt_out_left	Get/Set the inputs to be routed to the HDBT output left
hdbt_out_right	Get/Set the inputs to be routed to the HDBT output right
sdi_out_left	Get/Set the inputs to be routed to the SDI output left
sdi_out_right	Get/Set the inputs to be routed to the SDI output right
line_out_1	Get/Set the inputs to be routed to the line output 1
line_out_2	Get/Set the inputs to be routed to the line output 2
get	Get the inputs currently routed to the chosen output
set	Set the following inputs to be routed to the chosen

output

<input>

auto_mic_mix	Include the auto mic mix in the specified output
usb3_playback_left	Include USB playback left channel in the specified output
usb3_playback_right	Include USB playback right channel in the specified output
hdbt_in_left	Include HDBT left channel in the specified output
hdbt_in_right	Include HDBT right channel in the specified output
line_in_1	Include line input 1 in the specified output
line_in_2	Include line input 2 in the specified output

## EXAMPLES

```
audio usb3_record_left route set auto_mic_mix
```

Routes the auto mic mix into the usb record left channel

----

```
audio line_out_1 route set line_in_1
```

Routes line in 1 to line out 1

----

```
audio line_out_2 route set
```

Nothing routed out line out 2

----

```
audio line_out_2 route get [ usb3_playback_left ]
```

returns a list of inputs routed out line output 2

## 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
line_out_2	Get/Set/Bump the volume of line output 2
line_in_1	Get/Set/Bump the volume of line input 1
line_in_2	Get/Set/Bump the volume of line input 2
usb3_record_left	Get/Set/Bump the volume of USB record left
usb3_record_right	Get/Set/Bump the volume of USB record right
usb3_playback_left	Get/Set/Bump the volume of USB playback left
usb3_playback_right	Get/Set/Bump the volume of USB playback 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
sdi_out_left	Get/Set/Bump the volume of SDI output left
sdi_out_right	Get/Set/Bump the volume of SDI output right
hdbt_out_left	Get/Set/Bump the volume of HDBT output left
hdbt_out_right	Get/Set/Bump the volume of HDBT output right
hdbt_in_left	Get/Set/Bump the volume of HDBT input left
hdbt_in_right	Get/Set/Bump the volume of HDBT input 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 [-50.0, 20.0]
line input	[-50.0, 20.0]
line output	[-50.0, 20.0]
USB record	[-42.0, 6.0]
USB playback	[-42.0, 6.0]
HDMI out	[-42.0, 6.0]
SDI out	[-42.0, 6.0]
HDBT out	[-42.0, 6.0]
HDBT in	[-42.0, 6.0]

#### EXAMPLES

audio master volume get

volume: 5.0 dB

Returns the current master volume

----

audio line\_out\_1 volume set 6.5

Sets the volume of line out 1 to 6.5

## 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

link power

## SYNOPSIS

link power { on | off }

## DESCRIPTION

Method used set the current link power state

## OPTIONS

on	Set link power to on
off	Set link power to off

## EXAMPLES

link power on

Turns power on

----

link power off

Turns power off

## NAME

monitor buttons

## SYNOPSIS

monitor buttons

## DESCRIPTION

Turns on input button monitoring. (Use Ctrl-C to exit).

## OPTIONS

None

## EXAMPLES

monitor buttons

(Then when button 1 on bus A is pressed, output is A1 pressed.)

## 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

## SYNOPSIS

streaming settings get

## DESCRIPTION

Method used to get the current streaming settings

## OPTIONS

settings	View streaming settings
----------	-------------------------

## EXAMPLES

streaming settings get

USB Active	true
------------	------

USB Device	OneLINK Bridge
------------	----------------

USB Frame_Rate	60
----------------	----

USB Resolution	720p
----------------	------

UVC Extensions_Enabled	true
------------------------	------

## NAME

system factory-reset

## SYNOPSIS

```
system factory-reset { get | on | off }
```

## DESCRIPTION

Method used to get or set the factory reset status. An attempt will be made first to use the middleware. If that fails, clish will revert to the old file I/O method.

## 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

version

## SYNOPSIS

version

## DESCRIPTION

Display an overview of the command line syntax

## EXAMPLES

version

Returns the current software version

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