VADDIO
A brand of legrand

Command Line Interface API for the

EasyIP Mixer

Software version 2.1.0

April 2026

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

OPTIONS

<output>

line_out_1

line_out_2

usb3_record_left

usb3_record_right

hdmi_out_left

hdmi_out_right

dante_out_1

dante_out_2

dante_out_3

dante_out_4

<input>

auto_mic_mix

line_in_1

line_in_2

usb3_playback_left

usb3_playback_right

hdmi_in_left

hdmi_in_right

dante_in_1

dante_in_2

dante_in_3

dante_in_4

get	Get the routing gain for the chosen output and input
set	Set the routing gain for the 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 hdmi_in_left get

3.95

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

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
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
dante_out_1	Get/Set/Toggle the mute state of Dante output 1
dante_out_2	Get/Set/Toggle the mute state of Dante output 2
dante_out_3	Get/Set/Toggle the mute state of Dante output 3
dante_out_4	Get/Set/Toggle the mute state of Dante output 4
dante_in_1	Get/Set/Toggle the mute state of Dante input 1
dante_in_2	Get/Set/Toggle the mute state of Dante input 2
dante_in_3	Get/Set/Toggle the mute state of Dante input 3
dante_in_4	Get/Set/Toggle the mute state of Dante input 4
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 EasyIP Mixer, 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 input 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>

line_out_1

line_out_2

usb3_record_left

usb3_record_right

hdmi_out_left

hdmi_out_right

dante_out_1

dante_out_2

dante_out_3

dante_out_4

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

line_in_1

line_in_2

usb3_playback_left

usb3_playback_right

hdmi_in_left

hdmi_in_right

dante_in_1

dante_in_2

dante_in_3

dante_in_4

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 hdmi_in_left hdmi_in_right line_in_1

Routes the HDMI input left and right channels and 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
      [ line_in_1 usb3_playback_left usb3_playback_right ]
      returns a list of inputs routed out line output 2

NAME
      audio speechlift
SYNOPSIS
      audio speechlift { get | on | off | set <channel> }
DESCRIPTION
      Method used to get or set the current audio mute
OPTIONS
      Get               Get current speechlift state
      On                Turn on speechlift
      Off               Turn off speechlift
      Set               Set speechlift chanel
      <channel>
      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
      dante_in_1        Get/Set/Toggle the mute state of Dante input 1
      dante_in_2        Get/Set/Toggle the mute state of Dante input 2
      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 speechlift disable
      OK
      Disables speechlift
      ----
      audio speechlift set line_in_1
      OK
      Sets speechlift to line_in_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
      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_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
      dante_in_1              Get/Set/Bump the volume of Dante input 1
      dante_in_2              Get/Set/Bump the volume of Dante input 2
      dante_in_3              Get/Set/Bump the volume of Dante input 3
      dante_in_4              Get/Set/Bump the volume of Dante input 4
      dante_out_1             Get/Set/Bump the volume of Dante output 1
      dante_out_2             Get/Set/Bump the volume of Dante output 2
      dante_out_3             Get/Set/Bump the volume of Dante output 3
      dante_out_4             Get/Set/Bump the volume of Dante output 4
      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 in/out [-42.0, 6.0]
      Dante in/out [-42.0, 6.0]
      HDMI in [-42.0, 6.0]
      HDMI out [-42.0, 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
      automation tracking
SYNOPSIS
      automation tracking { get | on | off | toggle }
DESCRIPTION
      Method used to get or set the current tracking state
OPTIONS
      Get               Get the current tracking state
      On                Enable the tracking
      Off               Disable the tracking
      Toggle            Toggle the current tracking state
EXAMPLES
      automation tracking get
      tracking enabled: true
      Gets the current tracking state
      ----
```

```
      automation tracking on
      Enables tracking
      ----
      automation tracking off
      Disables tracking
      ----
      automation tracking toggle
      Toggles tracking

NAME
      camera authenticate
SYNOPSIS
      camera <2-5> authenticate <password>
DESCRIPTION
      Method used to authenticate a particular camera
EXAMPLES
      camera 3 authenticate password
      Authenticates camera 3 using the password "password"
      ----
      camera 2 authenticate MyPassword
      Authenticates camera 2 using the password "MyPassword"

NAME
      camera ccu get
SYNOPSIS
      camera <1-5> 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
EXAMPLES
      camera 2 ccu get iris
      Gets the iris value for camera 2
      ----
      camera 1 ccu get red_gain
      Gets the red_gain for camera 1

NAME
      camera ccu set
SYNOPSIS
```

```
      camera <1-5> 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 comm host
SYNOPSIS
      camera <1-5> comm host { get | set <host> | unset }
DESCRIPTION
      Method used to get, set and unset the comm host for a particular camera
OPTIONS
Get                     Get the current host
Set                     Set the current host
Unset                   Unset the current host
EXAMPLES
      camera 1 comm host get
      Returns host for camera 1
      ----
      camera 4 comm host set 192.168.1.255
      Sets the host for camera 4 to 192.168.1.255
      ----
      camera 2 comm host unset
      Unsets the host of camera 2

NAME
      camera focus
SYNOPSIS
      camera <1-5> focus { { near [<speed>] | far [<speed>] } | stop }
      camera <1-5> 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              Set the focus mode to auto or manual
      Speed             Optional integer from 1-8 that represents the speed
EXAMPLES
      camera 2 focus near
      Focuses camera 2 near at the default speed
      ----
      camera 1 focus far 8
      Focuses camera 1 far at a speed of 8
      ----
      camera 4 focus stop
      Stops focus movement of camera 4
      ----
      camera 1 focus mode get
      Gets the focus mode of camera 1

NAME
      camera home
SYNOPSIS
      camera <1-5> home
DESCRIPTION
      Method used to move a camera to home position
EXAMPLES
      camera 2 home
      Move camera 2 to home position

NAME
camera pan
SYNOPSIS
      camera <1-5> pan { left [<speed>] | right [<speed>] | stop }
      camera <1-5> get
      camera <1-5> set <position> [<speed>] [no_wait]
DESCRIPTION
      Method used to pan a camera
OPTIONS
      Left              Move a camera left
      Right             Move a camera right
      Stop              Stop a camera movement
      Get               Get absolute pan position
      Set               Set absolute pan 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 1 pan left
      Pans camera 1 left at the default speed
      ----
      camera 2 pan right 20
```

```
      Pans camera 2 to the right at a speed of 20
      ----
      camera 3 pan stop
      Stops the pan movement of camera 3
      ----
      camera 2 pan set -45 20
      Pan camera 2 to 45 degrees left of home at a speed of 20
      ----
      camera 2 pan set 30 no_wait
      Pan camera 2 to 30 degrees right of home at a speed of 12,
      and return immediately

NAME
      camera preset
SYNOPSIS
      camera <1-5> preset recall <1-16>
      camera <1-5> 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 standby
SYNOPSIS
      camera <1-5> standby { get | on | off | toggle }
DESCRIPTION
      Method used to put a camera in and out of standby
OPTIONS
      Get               Get the state of a camera standby mode
      On                Put the camera into standby mode
      Off               Put the camera out of standby mode
      Toggle            Switches the standby mode state
EXAMPLES
      camera 1 standby get
      Gets the standby state of camera 1
      ----
      camera 2 standby on
      Puts camera 2 into standby
      ----
```

camera 3 standby off
Takes camera 3 out of standby
----
camera 4 standby toggle
Causes camera 4 to change standby state

NAME
camera tilt
SYNOPSIS
camera <1-5> tilt { up [<speed>] | down [<speed>] | stop }
camera <1-5> tilt get
camera <1-5> tilt set <position> [<speed>] [no_wait]DESCRIPTION
Method used to tilt a camera
OPTIONS

Up	Move a camera up
Down	Move a camera down
Stop	Stop a camera movement
Get	Get the absolute tilt position
Set	Set the absolute tilt 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 1 tilt up
Tilts camera 1 up at the default speed
----
camera 2 tilt down 20
Tilts camera 2 down at a speed of 20
----
camera 3 tilt stop
Stops the tilt movement of camera 3
----
camera 2 tilt set 45
Tilt camera 2 to 45 degrees above home position at default speed
----
camera 1 tilt set -10 5
Tilt camera 1 to 10 degrees down from home position at a speed of 5
----
camera 5 tilt set 10 no_wait
Tilt camera 5 to 10 degrees up from home position at a speed of 10,
returning immediately

NAME
camera zoom
SYNOPSIS
camera <1-5> zoom { in [<speed>] | out [<speed>] | stop }
camera <1-5> zoom get
camera <1-5> zoom set <magnification> [<speed>] [no_wait]
DESCRIPTION
Method used to zoom a 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 1 zoom in

Zooms camera 1 in at the default speed

---

camera 5 zoom out 7

Zooms camera 5 out at a speed of 7

---

camera 1 zoom stop

Stops zoom movement of camera 1

---

camera 4 zoom get

Get magnification level of camera 4

---

camera 3 zoom set 3

Set current magnification level of camera 3 to 3x magnification

---

camera 2 zoom set 4 5 no_wait

Set current magnification level of camera 2 to 3x magnification at speed 5,returning immediately

NAME

graphics enable

SYNOPSIS

graphics enable { get | on | off | toggle }

DESCRIPTION

Method used to enable or disable the graphics layer on the video output.

OPTIONS

Get	Display current graphics enabled state
On	Enable graphics layer
Off	Disable graphics layer
Toggle	Toggle the graphics layer’s current enabled state

EXAMPLES

graphics enable off

Disable graphics layer

-----

graphics enable toggle

Toggle graphics layer on or off

NAME

graphics source

SYNOPSIS

graphics source { get | set <image_filename> | clear }

DESCRIPTION
Method used to get or set the graphics layer of the video output.
OPTIONS
Get Get the current graphics filename
Set image_filename Set graphics to uploaded image
Clear Clear the current graphics selection
EXAMPLES
graphics source get
source: image.png
Get the current image set for the graphics layer
---
graphics source set foo.png
Set source for the graphics layer to foo.png
---
graphics source clear
Clear the current graphics image selection

NAME
info all
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
SYNOPSIS
info product get
DESCRIPTION
Gets the product name
OPTIONS
Get Get the product name
EXAMPLES
info product get
Product GenericTHING

NAME
info roomlabels
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

monitor buttons

SYNOPSIS

monitor buttons

DESCRIPTION

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

EXAMPLES

monitor buttons

(When a button is pressed, a message will appear: <button name> 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 addres, 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 false
      USB Device EasyIP Mixer
      USB Enabled true
      USB Frame_Rate 0
      USB Resolution 0x0
      USB Version 0

NAME
      sleep
SYNOPSIS
      sleep <duration>
DESCRIPTION
      Method used to pause for a period of time (in milliseconds).
OPTIONS
 <duration>       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 (if supported)
      Usb         Get or set the current USB streaming state (if supported)
      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

ui

SYNOPSIS

ui <agent> { get | set [factory | custom <ID>] }

DESCRIPTION

Method used to get or set a UI for a particular destination

OPTIONS

Get gets the UI for the agent

Set sets the UI for the agent

<agent> The device/location the UI is being displayed to

Browser UI for the guest user that logs in

```
      Vdc         Vaddio Device Controller
      Obs         OBS studio web part
      <ID>
      uint index of UI config
EXAMPLES
      ui browser get
      ID: factory 2
      The browser agent is currently set to the 2nd factory UI option.
      -----
      ui browser set factory 1
      Set the browser to the first factory UI option

NAME
      version
SYNOPSIS
      version
DESCRIPTION
      Method used to display version information
EXAMPLES
      version
      Returns the current software version

NAME
      video ezip
SYNOPSIS
      video ezip { get | set <source> }
DESCRIPTION
      Method used to get or set the EasyIP source
OPTIONS
      Get         Get the current(last) EasyIP source
      Set         Set the current EasyIP source { easyip1 | easyip2 | easyip3
                  | easyip4 }
EXAMPLES
      video ezip get
      source: easyip2
      Gets the current(last) EasyIP output source
      ----
      video ezip set easyip2
      Sets the EasyIP source to EasyIP2

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 video mute setting
      ----
      video mute on
      Mutes video output
      ----
      video mute off
      Unmutes video output

NAME
      video osd
SYNOPSIS
      video osd { get | on | off }
DESCRIPTION
      Method used to get or set on screen display
OPTIONS
      Get         Gets 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 pip
SYNOPSIS
      video pip { get | on | off | toggle | layout <pip_layout> }
DESCRIPTION
      Method used to set video output PIP settings.
OPTIONS
      Get         Gets the current pip state
      On          Enables PIP
      Off         Disables PIP
      Toggle      Toggles PIP enable
      pip_layout  Pip Layout { upper_right | ... | left_right | top_bottom }
EXAMPLES
      video pip off
      Disables output PIP
      ----
      video pip get
      pip: on
```

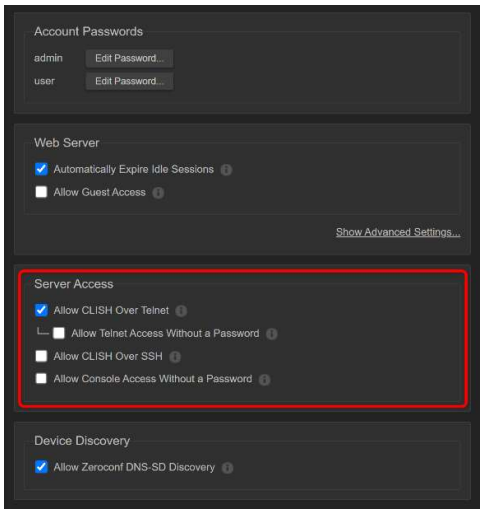
```
      Gets the current output PIP state
      ----
      video pip layout top_bottom
      Sets the PIP layout to split screen (stacked)

NAME
      video source
SYNOPSIS
      video source { get | set <source> }
DESCRIPTION
      Method used to get or set the video output source
OPTIONS
Get         Get the current output source
Set         Set the current output source { input1 | input2 | input3 | input4
            | input5 }
EXAMPLES
      video source get
      source: input 1
      Gets the current output source
      ----
      video source set input4
      Sets the output source to input4"camera"
```

Command Line Interface SHell (CLISH) API reference

Requirements

- SSH (recommended) or Telnet must be enabled on the Security page of the device's web interface.
- Your computer or third-party control system must have a suitable SSH or Telnet client.
- Your computer or third-party control system must be able to connect to the device over the network.

When you start a CLISH session, you must log in using the admin account.
For a Telnet connection (or if the device supports it, for the serial console) the authentication requirement can be disabled.



Usage notes

- In addition to the control commands, session management commands are available – help, history, and exit.
- CTRL-5 clears the current serial buffer on the device.

Getting more information

Use a question mark as a command or command parameter to display a list of available commands, subcommands, or command parameters.

For example, **`?`** returns all top-level commands; **`network ?`** returns the valid subcommands for the `network` command; and **`network ping ?`** returns the parameters available for the `network ping` command.

Firmware updates sometimes implement new command parameters. Make sure to reference the latest version of this document to get the current list of supported commands.

Typographical conventions

- `{ x | y | z }` – Choose x, y, or z.
- `<variable>` – The named variable (such as <ip address>) is required.
- `< x..y >` – A value in the range of x through y is required.
- `[parameter]` – The parameter (such as [speed]) is optional.

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