



Command Line Interface API for the

EasyIP Decoder

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 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
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
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]

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 authenticate

SYNOPSIS

camera <1-4> authenticate <password>

DESCRIPTION

Method used to authenticate a particular camera

EXAMPLES

camera 1 authenticate password

Authenticates camera 1 using the password "password"

camera 2 authenticate MyPassword

Authenticates camera 2 using the password "MyPassword"

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 comm host

SYNOPSIS

camera <1-4> 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 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 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 pan

SYNOPSIS

camera pan { left [<speed>] | right [<speed>] | stop }

camera pan get

camera pan set <position> [<speed>] [no_wait]

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 tilt

SYNOPSIS

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

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 }  
camera zoom get  
camera zoom set <magnification> [<speed>] [no_wait]
```

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

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 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	EasyIP Decoder
USB Frame_Rate	60
USB Resolution	1080p
USB Version	3
UVC Extensions_Enabled	true

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

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 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 type

SYNOPSIS

video input <1-4> type { get | set { video | camera } }

DESCRIPTION

Method used to get and set the type for a particular video input

OPTIONS

get	Get the current type
set	Set the current type

EXAMPLES

video input1 type get

Gets the type for video input 1

video input4 type set camera

Sets the type of input 4 to "camera"

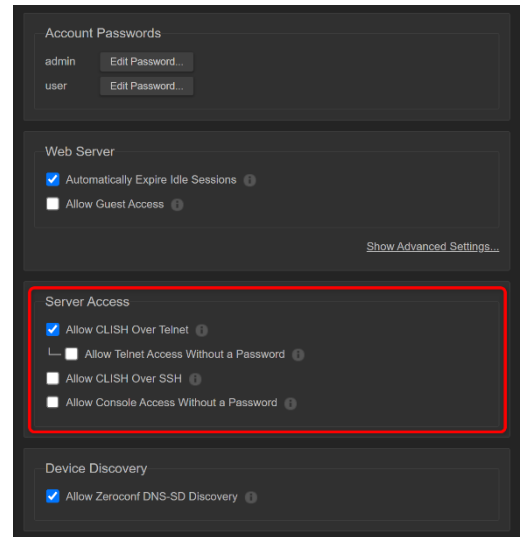
Command Line Interface SHell (CLISH) API reference

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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