

AVCLINK HN-02CB



Список команд API

Содержание

1 Help And Status Commands.....3

2 Commands For System Control3

3 Commands For Encoder And Decoder Control.....3

4 Commands For Video Wall Control6

5 Commands For Device Management7

6 Commands For GPIO Control.....7

7 Commands For Network Control.....8

Help And Status Commands

?/HELP: Print help information.

GET STATUS: Get all status.

Commands For System Control

SET IR ON/OFF : Set controller IR control on or off.

SET RS232BAUDRATE [a] : Set RS-232 baud rate to a bps.

a=[0:115200 1:57600, 2:38400, 3:19200, 4:9600]

SET RESET : Reset controller system settings.

SET RESET NETWORK : Reset controller network settings.

SET RESET ALL : Reset controller system and network settings.

(Type "Yes" to confirm, "No" to cancel).

Commands For Encoder And Decoder Control

SET ENC PRESET IPMODE [mode] : Preset encoder ip mode.

SET ENC PRESET START IP [ip] : Preset encoder start ip address.

SET ENC PRESET END IP [ip] : Preset encoder end ip address.

SET ENC PRESET GW [gw] : Preset encoder gateway address.

SET ENC PRESET SM [mask] : Preset encoder subnet mask address.

SET ENC PRESET APPLY : Apply the encoder preset ip configuration.

SET ENC [enc] IPMODE DHCP/STATIC : Set the encoder ip mode.

SET ENC [enc] STATIC IP [ip] : Set the encoder static ip address.

SET ENC [enc] STATIC GATEWAY [gw] : Set the encoder static gateway address.

SET ENC [enc] STATIC MASK [mask] : Set the encoder static subnet mask address.

SET ENC [enc] NETWORK REBOOT : Set the encoder network reboot.

SET ENC [enc] ID [id] : Set the index ID of the encoder.

SET ENC [enc] DELETE : Delete the encoder in the current configuration.

SET ENC [enc] REBOOT : Set the encoder reboot.

SET ENC [enc] RESET : Set the encoder factory reset.

SET ENC [enc] AUDIO INPUT HDMI/ANA : Set the encoder audio input HDMI or embedded analogue L/R.

SET ENC [enc] NAME [name] : Set the name of the encoder.

SET ENC [enc] LED ON/OFF : Set the encoder flash power LED or disable flash power LED.

SET ENC [enc] LED ON 90 : Set the encoder flash power LED timeout in 90 seconds.

SET ENC [enc] FPLED [fl] : Set the encoder front panel LED automatic off time.

SET ENC [enc] GUEST ON/OFF BR [br] BIT [bit] : Set the encoder serial guest configuration.

Note: To close guest mode use command EXITGUEST

SET ENC [enc] GUEST : Start serial guest mode to encoder enc

Note: To close guest mode use command EXITGUEST

SET ENC [enc] IR VOL 5V/12V : Set the encoder IR voltage 5V or 12V.

SET ENC [enc] STREAM BITRATE [rate] : Set the encoder stream encoding bitrate.

SET ENC [enc] MAINSTREAM E [type] A ON/OFF: Set the encoder main stream attribution.

SET ENC [enc] SUBSTREAM E [type] H [sh] V [sv] B [rate] A ON/OFF: Set the encoder sub stream attribution.

SET ENC [enc] AUDIO FORMAT PCM/AAC : Set the encoder audio encoding format PCM or AAC.

SET ENC [enc] EDID COPY [dec] : Set the encoder EDID copy from decoder.

SET ENC [enc] EDID DEFAULT [edid] : Set the encoder default EDID.

GET ENC [enc] STATUS : Get the encoder Status.

SET DEC PRESET IPMODE [mode] : Preset decoder ip mode.

SET DEC PRESET START IP [ip] : Preset decoder start ip address.

SET DEC PRESET END IP [ip] : Preset decoder end ip address.

SET DEC PRESET GW [gw] : Preset decoder gateway address.

SET DEC PRESET SM [mask] : Preset decoder subnet mask address.

SET DEC PRESET APPLY : Apply the decoder preset ip configuration.

SET DEC [dec] OUTPUT ON/OFF : Set the decoder output on or off.

SET DEC [dec] IPMODE DHCP/STATIC : Set the decoder static ip mode.

SET DEC [dec] STATIC IP [ip] : Set the decoder static ip address.

SET DEC [dec] STATIC GATEWAY [gw] : Set the decoder static gateway address.

SET DEC [dec] STATIC MASK [mask] : Set the decoder static subnet mask address.

SET DEC [dec] NETWORK REBOOT : Set the decoder network reboot.

SET DEC [dec] ID [id] : Set the index ID of the decoder.

SET DEC [dec] SWITCH [enc] ALL : Set the decoder switch all signals.

Note: enc=0 mean no source in this case

SET DEC [dec] SWITCH [enc] VIDEO : Set the decoder switch video only signals.

SET DEC [dec] SWITCH [enc] RS232 : Set the decoder switch RS232 only signals.

SET DEC [dec] SWITCH [enc] IR : Set the decoder switch IR only signals.

SET DEC [dec] SWITCH [enc] USB : Set the decoder switch USB only signals.

SET DEC [dec] OUTPUT OSD ON/OFF : Set the decoder output to show ID OSD or hide ID OSD.

SET DEC [dec] OUTPUT OSD ON 90 : Set the decoder output show ID OSD timeout in 90 seconds.

SET DEC [dec] LED ON/OFF : Set the decoder flash power LED or disable flash power LED.

SET DEC [dec] LED ON 90 : Set the decoder flash power LED timeout in 90 seconds.

SET DEC [dec] DELETE : Delete the decoder in the current configuration.

SET DEC [dec] OUTPUT RESOLUTION [res] : Set the decoder output resolution.

SET DEC [dec] OUTPUT ROTATE [rtt] : Set the decoder output rotate.

SET DEC [dec] NAME [name] : Set the name of the decoder.

SET DEC [dec] MODE MX/VW : Set the decoder output mode to matrix or video wall.

SET DEC [dec] BUTTON ON/OFF : Set the decoder front panel button enable on or off.

SET DEC [dec] IR ON/OFF : Set the decoder rear panel IR enable on or off.
 SET DEC [dec] IR VOL 5V/12V : Set the decoder IR voltage 5V or 12V.
 SET DEC [dec] OUTPUT PAUSE ON/OFF : Set the decoder output pause on or off.
 SET DEC [dec] OUTPUT MUTE ON/OFF : Set the decoder output mute on or off.
 SET DEC [dec] OUTPUT AUTO ON/OFF : Set the decoder output automatically on or off.
 SET DEC [dec] FPLED [fl] : Set the decoder front panel LED automatic off time.
 SET DEC [dec] GUEST ON/OFF BR [br] BIT [bit] : Set the decoder serial guest configuration.
 SET DEC [dec] GUEST : Start serial guest mode to decoder dec

Note: To close guest mode use command EXITGUEST

SET DEC [dec] STREAM UNICAST/MULTICAST : Set the decoder output stream transmission mode UNICAST or MULTICAST.
 SET DEC [dec] OUTPUT LOST [time] : Set the decoder output video lost timeout in minute.
 GET DEC [dec] STATUS : Get the decoder status.
 SET DEC [dec] REBOOT : Set the decoder reboot.
 SET DEC [dec] RESET : Set the decoder factory reset.
 EXITGUEST : Exit encoder or decoder guest mode.
 SET DEC [dec] HOTKEY [nn] KEY [k0] [k1] ACTION PULL/PUSH SRC [enc] : Set the decoder hotkey config.
 SET DEC [dec] HOTKEY [nn] DEL : Delete the decoder hotkey config.

dec=0: All decoder

dec=[1...762]: One decoder

enc=0: All encoder

enc=[1...762]: One encoder

id=[1...762]

rate=[0:1Mb 1:4Mb 2:8Mb 3:16Mb 4:20Mb]

edid=[00: HDMI 1080p@60Hz, Audio 2CH PCM

01: HDMI 720p@60Hz, Audio 2CH PCM

02: DVI 1280x1024@60Hz, Audio None

03: DVI 1920x1080@60Hz, Audio None

04: DVI 1920x1200@60Hz, Audio None

05: HDMI 1920x1200p@60Hz, Audio 2CH PCM

06: Copy EDID

07: User EDID 1

08: User EDID 2]

res=[0:Bypass 1:1080p@60 2:1080p@50 3:1080p@30 4:1080p@25 5:1080p@24]

[6:720p@60 7:720p@50 8:576p@50 9:480p@60]

[10:640x480@60 11:800x600@60 12:1024x768@60 13:1280x800@60]

[14:1280x1024@60 15:1366x768@60 16:1440x900@60 17:1600x1200@60]

[18:1680x1050@60 19:1920x1200@60]

rtt=[0:0 1:90 2:180 3:270]

mode=[0:AUTOIP 1:DHCP 2:STATIC]

br=[0:300 1:600 2:1200 3:2400 4:4800 5:9600]
 [6:19200 7:38400 8:57600 9:115200]
 bit=Data bits + parity + stop bits, example: 8n1
 Data bits=[5...8], parity=[n o e], stop bits=[1..2]
 ip=[xxx.xxx.xxx.xxx]
 name: Max 16 characters
 fl: [0: Always On 9: On 90s]
 time[0...60]: Unit minute
 gw=[xxx.xxx.xxx.xxx]
 mask=[xxx.xxx.xxx.xxx]
 type=[0:h264 1:h265]: Encode type
 sh=[320...640]: Sub stream encode horizontal value(must be even number)
 sv=[180...540]: Sub stream encode vertical value(must be even number)
 nn=[1...20]: Hotkey number
 k0=01: Left Ctrl
 k0=02: Right Ctrl
 k0=03: Left Shift
 k0=04: Right Shift
 k0=05: Left Alt
 k0=06: Right Alt
 k0=07: Ctrl Shift
 k0=08: Ctrl Alt
 k0=09: Shift Alt
 k1=ASCII code

Commands For Video Wall Control

CREATE WALL HANDLE [hdl] : Create video wall.
 DELETE WALL HANDLE [hdl] : Delete video wall.
 SET WALL [hdl] NAME [name] : Set the video wall name.
 SET WALL [hdl] C [c] R [r] : Set the video wall columns and rows .
 SET WALL [hdl] DEC [dec] H [h] V [v] : Set the video wall position (h,v) decoder.
 CREATE WALL [hdl] PRESET [prs] : Create video wall preset.
 DELETE WALL [hdl] PRESET [prs] : Delete video wall preset.
 SET WALL [hdl] PRESET [prs] NAME [name] : Set the video wall preset name.
 APPLY WALL [hdl] PRESET [prs] : Apply video wall preset.
 SET WALL [hdl] PRESET [prs] CLASS [cls] H [h] V [v] : Set the video wall preset position (H,V) as class.
 SET WALL [hdl] PRESET [prs] CLASS [cls] SOURCE [enc] : Set the video wall preset class from the source.
 SET WALL [hdl] PRESET [prs] MATRIX H [h] V [v] : Set the video wall preset to specify the

location as a matrix mode.

SET WALL [hdl] PRESET [prs] MATRIX H [h] V [v] SOURCE [enc] : Set the video wall preset class from the source.

SET WALL [hdl] H [h] V [v] WIDTH BEZEL BW [o] IW [w] : Set the video wall position (h,v) base width and image width.

SET WALL [hdl] H [h] V [v] HEIGHT BEZEL BH [o] IH [w] : Set the video wall position (h,v) base height and image height.

GET WALL [hdl] STATUS : Get the video wall status.

hdl=[01...09]: Video wall handle

prs=[01...09]: Preset index

cls=[A...G]: Class index

c=[01...09]: Number of columns in video wall

r=[01...09]: Number of rows in video wall

h=[01...09]: Horizontal position in video wall

v=[01...09]: Vertical position in video wall

o=[100...1000]: Screen base width/height

w=[100...1000]: Screen image width/height

enc=[001...n]: One encoder

enc=000: No source

dec=000: Remove decoder from position

dec=[001...n]: One decoder

name: Max 16 characters

Commands For Device Management

SEARCH : Search all encoders and decoders.

GET SEARCH STATUS : Get the search status.

SEARCH RESET : Reset search encoders and decoders.

ADD DEV [dev] ENC [enc] : Add new encoder devices.

ADD DEV [dev] DEC [dec] : Add new decoder devices.

ADD DEV RESET : Reset all encoder/decoder/videowall/search configurations.

ADD AUTO ALL : Automatically add encoders and decoders for all new searches.

dev=[01...n]: Search list index value

enc=[001...n]: One encoder

dec=[001...n]: One decoder

Commands For GPIO Control

SET GPIO [gpio] DIR IN/OUT : Set the controller gpio as input or output.

SET GPIO [gpio] LEVEL Low/High : Set the controller gpio output low level or high level.

GET GPIO [gpio] LEVEL : Get the controller gpio input level.

GET GPIO [gpio] STATUS : Get the controller gpio status.

gpio=00: All IO ports

gpio=[01...04]: One IO port

Commands For Network Control

SET NETWORK [lan] DHCP ON/OFF : Set the controller network dhcp on or off.

SET NETWORK [lan] STATIC IP [ip] : Set the controller network static ip address.

SET NETWORK [lan] STATIC GATEWAY [gw] : Set the controller network static gateway address.

SET NETWORK [lan] STATIC MASK [mask] : Set the controller network static subnet mask address.

SET NETWORK REBOOT : Set the controller network reboot.

SET NETWORK TELNET ON/OFF : Set the controller network telnet on or off.

SET NETWORK TELNET PORT [port] : Set the controller network telnet port.

SET NETWORK SSH ON/OFF : Set the controller network ssh on or off.

SET NETWORK SSH PORT [port] : Set the controller network ssh port.

SET NETWORK HTTPS ON/OFF : Set the controller network https on or off.

SET NETWORK WEB ON/OFF : Set the controller network web GUI on or off.

SET NETWORK DNS hostname : Set the controller network domain name to hostname.

lan=LAN1: Video LAN(POE)

lan=LAN2: Control LAN(Web GUI)

ip=[xxx.xxx.xxx.xxx]

gw=[xxx.xxx.xxx.xxx]

mask=[xxx.xxx.xxx.xxx]

port=[22...65535]