ATLONA
a PANDUIT company

4K/UHD 6 Input
Multi-Format Switcher
w/Mirrored HDMI and HDBaseT Outputs

Application Programming Interface

AT-UHD-CLSO-601

Atlona Manuals
Switchers

Version Information

Version	Release Date	Notes
1	Aug 2022	Initial release

Commands

The following tables provide an alphabetical list of commands available on the AT-UHD-CLSO-601. All commands are case-sensitive and must be entered as documented. If the command fails or is entered incorrectly, then the feedback is "Command FAILED".

IMPORTANT: Each command is terminated with a carriage-return (0x0d) and the feedback is terminated with a carriage-return and line-feed (0x0a).

Command	Description
APwrOffTime	Set the time interval before the command to power-off the display is sent
Aspect	Sets the aspect ratio of the output signal
ASwOutTime	Sets the time interval for auto-switching when no signal is detected
ASwPrePort	Sets the default fallback input for auto-switching
AUD	Selects the audio input to be output
AutoDispOff	Sends the power-off command to the display when a no source is detected
AutoDispOn	Sends the power-on command to the display when a source signal is received
AutoPwrMode	Sets the auto-power mode
AutoSW	Sets the auto-power display mode
Blink	Enables or disables blinking of the POWER LED indicator on the front panel
BNR	Adjusts the block video noise reduction setting
Broadcast	Enables or disables broadcast mode
CliIPAddr	Sets the IP address of the controlled device
CliMode	Sets the login mode of the controlled device
CliPass	Sets the password for the controlled device
CliPort	Sets the listening port for the controlled device
CliUser	Sets the username for the controlled device
CSpara	Sets the baud rate, data bits, parity bit, and stop bits for the local serial port
CtlType	Sets the control protocol used to communicate with the display device
DispCEC	Activates CEC control
DispIP	Activates IP control
DispRS	Activates serial (RS-232) control
EQB	Adjusts the bass EQ setting
EQT	Adjusts the treble EQ setting
HDCPSet	Sets the HDCP mode on the desired input
help	Displays the list of available commands
Input	Sets the input source
InputBroadcast	Invokes the InputStatus command
InputStatus	Displays the status of the inputs as either a 0 or 1
IPAddUser	Adds a user for Telnet control
IPCFG	Displays the current network settings for the AT-UHD-CLSO-601
IPDelUser	Deletes the specified Telnet user
IPDHCP	Enables or disables DHCP mode on the AT-UHD-CLSO-601
IPLogin	Enables or disables login credentials when starting a Telnet session
IPPort	Sets the Telnet listening port for the AT-UHD-CLSO-601
IPQuit	Terminates the current TCP/IP session
IPStatic	Sets the static IP address, subnet mask, and gateway for the AT-UHD-CLSO-601
IPTimeout	Specifies the time interval of inactivity before the Telnet session is closed
Lock	Locks the buttons on the front panel

Commands

Command	Description
LVOL	Adjusts the line volume
Menu	Provides remote operation of the On-Screen Display (OSD)
MIC	Adjusts the microphone ducking settings
MNR	Configures Mosquito Noise reduction
Mreset	Resets the AT-UHD-CLSO-601 to factory-default settings
MVOL	Adjusts the microphone volume
OSD	Sets the OSD status
OutAMute	Sets the output audio mute status of HDMI and HDBT
PollAddIn	Adds source for analog polling
PollDelIn	Deletes source for analog polling
PrefTimg	Sets the preferred timing for the HDMI port
ProjSWMode	Sets the projector lamp cool-down timer, in seconds
ProjWarmUpT	Sets the projector lamp warm-up timer, in seconds
PWOFF	Power-off the AT-UHD-CLSO-601
PWON	Power-on the AT-UHD-CLSO-601
PWSTA	Displays the current power state of the AT-UHD-CLSO-601
RepCmdTime	Sets the number of times a command will be sent
RepeatCmd	Enables / disables the RepCmdTime feature
RHostName	Displays the hostname of the AT-UHD-CLSO-601
RNR	Configures video random noise reduction
RS232para	Sets the baud rate, data bits, stop bits, and parity for the **RS-232** port
RS232zone	Send a command to the RS-232 device connected to the **RS-232** port on the receiver
SetCmd	Assigns the Command parameter to the specified command string
SHostName	Sets the hostname of the AT-UHD-CLSO-601
SnVOL	Increases or decreases the volume on the specified output
System	Displays the status of the AT-UHD-CLSO-601
TrigCEC	Sends the specified command to the display using the CEC protocol
TrigIP	Sends the specified command to the display using the IP protocol
TrigRS	Sends the specified command to the display using the serial (RS-232) protocol
Type	Displays the model of the transmitter
Unlock	Unlocks the buttons on the front panel
Version	Displays the current firmware version of the AT-UHD-CLSO-601
VFmtRes	Sets the output video format to the specified resolution
VGAPrefT	Sets the preferred VGA timing to the specified EDID
VOL	Sets the master volume to the specified level
VOLMute	Toggles volume output muting

APwrOffTime

Set the time interval, in seconds, before the command to power-off the display is sent, once an A/V signal is no longer detected. Use the sta argument to display the current setting.

Syntax
APwrOffTime X

Parameter	Description	Range
X	Time interval	5 ... 3600, sta

Example
APwrOffTime 120

Feedback
APwrOffTime 120

Aspect

Sets the output aspect ratio. Use the sta argument to display the current setting.

Syntax
Aspect X

Parameter	Description	Range
X	Setting	full, overscan, underscan, letterbox, panscan, follow, sta

Example
Aspect 1 fill

Feedback
Aspect 1 fill

ASwOutTime

Sets the time interval, in seconds, before the unit automatically switches to another active input if no signal is received from the current input. Use the sta argument to display the current setting.

Syntax
ASwOutTime X

Parameter	Description	Range
X	Time interval	3 ... 600, sta

Example
ASwOutTime 10

Feedback
ASwOutTime 10

ASwPrePort

Sets the default fallback port for auto-switching.

Syntax
ASwPrePort X

Parameter	Description	Range
X	Video Port	HDMI1, HDMI2, HDMI3, HDMI4, VGA1, VGA2, PREVIOUS

Example
ASwPrePort HDMI1

Feedback
ASwPrePort HDMI1

AUD

Embeds the selected audio input on to the desired HDMI or VGA input. To pass-through audio, normally, specify AiP as the second argument.

Syntax
AUD InX AiY

Parameter	Description	Range
X	Video Port	1 ... 6
Y	Audio Port	5, 6, P

Example
AUD In2 Ai6

Feedback
AUD In2 Ai6

AutoDispOff

Sends the power-off command to the display when a no source is detected. Specify the sta argument to display the current setting.

Syntax
AutoDispOff X

Parameter	Description	Range
X	State	on, off, sta

Example
AutoDispOff on

Feedback
AutoDispOff on

AutoDispOn

Sends a power-on command to the display when a source signal is received. Specify the sta argument to display the current setting.

Syntax
AutoDispOn X

Parameter	Description	Range
X	State	on, off, sta

Example
AutoDispOn on

Feedback
AutoDispOn on

AutoPwrMode

Sets the auto-power mode. Specify the sta argument to display the current setting.

Syntax
AutoPwrMode X

Parameter	Description	Range
X	Mode	DISPAVON, DISPAVSW, AVSW, sta

Example
AutoPwrMode DISPAVON

Feedback
AutoPwrMode DISPAVON

AutoSW

Enables or disables auto switching or display auto switching status.

Syntax
AutoSW X

Parameter	Description	Range
X	Value	on, off, sta

Example
AutoSW on

Feedback
AutoSW on

Blink

Enables or disables blinking of the **POWER** button on the front panel. When set to on, the **POWER** button will flash, alternating between red and blue, and can be used to physically identify the unit on a network. The **POWER** button will flash until the Blink off command is executed. on = enables blinking; off = disables blinking; sta = displays the current setting. The default setting is off.

Syntax
Blink X

Parameter	Description	Range
X	Value	on, off, sta

Example
Blink on

Feedback
Blink on

BNR

Configures the video block noise reduction. The default setting is off. Specify the sta argument to return the current value.

Syntax
BNR X

Parameter	Description	Range
X	Setting	off, low, medium, high, sta

Example
BNR medium

Feedback
BNR medium

Broadcast

Enables or disables broadcast mode. By default, broadcast mode is set to off. When set to on, changes in the web GUI will also be affected on the control system (if connected), via TCP/IP. To separate control between web GUI and Telnet, set this feature off. on = enables broadcast mode; off = disables broadcast mode; sta = displays the current setting.

Syntax
Broadcast X

Parameter	Description	Range
X	Value	on, off, sta

Example
Broadcast on

Feedback
Broadcast on

CliIPAddr

Sets the IP address of the controlled device. The IP address must be specified in dot-decimal notation. Use the sta argument to display the IP address of the device. DHCP must be disabled before using this command. Refer to the IPDHCP command for more information.

Syntax
CliIPAddr X

Parameter	Description	Range
X	IP address	0 ... 255 (per byte)

Example
CliIPAddr 192.168.1.61

Feedback
CliIPAddr 192.168.1.61

CliMode

Sets the login mode of the controlled device. login = requires login credentials, non-login = no login credentials required. Use the sta argument to display the current setting.

Syntax
CliMode X

Parameter	Description	Range
X	Value	login, non-login, sta

Example
CliMode login

Feedback
CliMode login

CliPass

Sets the password for the controlled device. Execute the CliPass command without arguments to display the current password. The default password is Atlona.

Syntax
CliPass X

Parameter	Description	Range
X	Password	20 characters (max.)

Example
CliPass R3ind33r

Feedback
CliPass R3ind33r

CliPort

Sets the listening port for the controlled device. Use the sta argument to display the current listening port. The default port is 23. Use the sta argument to display the current setting.

Syntax
CliPort X

Parameter	Description	Range
X	Port	0 ... 65535, sta

Example
CliPort 50

Feedback
CliPort 50

CliUser

Sets the username for the controlled device. Execute the CliUser command without arguments to display the current username.

Syntax
CliUser X

Parameter	Description	Range
X	Username	20 characters (max.)

Example
CliUser BigBoss

Feedback
CliUser BigBoss

CSpara

Sets the baud rate, data bits, parity bit, and stop bits for the serial port. Use the sta argument to display the current serial port settings. Each argument must be separated by a comma; no spaces are permitted. Brackets must be used when executing this command.

Syntax
CSpara[W,X,Y,Z]

Parameter	Description	Range
W	Baud rate	2400, 4800, 9600, 19200, 38400, 57600, 115200
X	Data bits	7, 8
Y	Parity bit	None, Odd, Even
Z	Stop bits	1, 2

Example
CSpara[115200,8,0,1]
CSpara[sta]

Feedback
CSpara[115200,8,0,1]
CSpara [115200,8,0,1]

CtlType

Sets the control protocol used to communicate with the display device. Use the sta argument to display the current setting.

Syntax
CtlType X

Parameter	Description	Range
X	Value	rs-232, ip, cec, sta

Example
CtlType ip

Feedback
CtlType ip

DispCEC

Turns the display on or off using the CEC protocol. Unlike the TrigCEC command, this command will wait until the warm-up and cool-down timers have expired. Refer to the ProjWarmUpT and ProjSWMode commands for setting these timers. on = power on the display, off = power-off the display. Use the sta argument to display the current setting.

Syntax
DispCEC X

Parameter	Description	Range
X	Value	on, off, sta

Example
DispCEC on

Feedback
DispCEC on

DispIP

Turns the display on or off using the IP protocol. Unlike the TrigIP command, this command will wait until the warm-up and cool-down timers have expired. Refer to the ProjWarmUpT and ProjSWMode commands for setting these timers. on = power on the display, off = power-off the display. Use the sta argument to display the current setting.

Syntax
DispIP X

Parameter	Description	Range
X	Value	on, off, sta

Example
DispIP on

Feedback
DispIP on

DispRS

Turns the display on or off using the RS-232 (serial) protocol. Unlike the TrigRS command, this command will wait until the warm-up and cool-down timers have expired. Refer to the ProjWarmUpT and ProjSWMode commands for setting these timers. on = power on the display, off = power-off the display. Use the sta argument to display the current setting.

Syntax
DispRS

Parameter	Description	Range
X	Value	on, off, sta

Example
DispRS on

Feedback
DispRS on

EQB

Adjusts the bass equalizer to the specified level. Levels can also be increased or decreased by increments of 1. When incrementally increasing or decreasing the current bass level, do not specify the parentheses as part of the command. Refer to the examples below.

Syntax
EQB(X)

Parameter	Description	Range
X	Value	-96 ... 120, +, -

Example
EQB(-10)
EQB+ // increment bass by 1
EQB- // decrement bass by 1

Feedback
EQB(-10)
EQB+
EQB-

EQT

Adjusts the treble equalizer to the specified level. Levels can also be increased or decreased by increments of 1. When incrementally increasing or decreasing the current treble level, do not specify the parentheses as part of the command. Refer to the examples below.

Syntax
EQT(X)

Parameter	Description	Range
X	Value	-96 ... 120, +, -

Example
EQT(-10)
EQT+ // increment treble by 1
EQT- // decrement treble by 1

Feedback
EQT(-10)
EQT+
EQT-

HDCPSet

Set the HDCP reporting mode of the specified HDMI port. Some computers will send HDCP content if an HDCP-compliant display is detected. on = reports to the source device that the display (sink) is HDCP-compliant, off = reports to the source device that the display (sink) is not HDCP-compliant (HDCP content will not be sent), auto = uses the attributes of the display device to accept or not accept HDCP content. Setting this value to off *does not* decrypt HDCP content. Use the sta argument to display the current setting.

Syntax
HDCPSetX [Y]

Parameter	Description	Range
X	HDMI port	1 ... 4
Y	Mode	on, off

Example
HDCPSet 1 on

Feedback
HDCPSet 1 on

help

Displays the list of available commands. To obtain help on a specific command, enter the **help** command followed by the name of the command.

Syntax
help [X]

Parameter	Description	Range
X	Command name (optional)	Command

Example
help

Feedback
help
SHostName
RHostName
PWON
PWOFF
PWSTA
...
...

Input

Selects the input source.

Syntax
Input X Y

Parameter	Description	Range
X	Interface	HDMI, VGA
Y	Index	1, 2, 3, 4 (HDMI) 5, 6 (VGA)

Example
Input HDMI 2

Feedback
Input HDMI 2

InputBroadcast

Enabling this feature will invoke the InputStatus command, when a new source is connected, and will return the state of all inputs. This also applies when auto-switching occurs. on = enable; off = disable; sta = displays the current setting.

Syntax
InputBroadcast X

Parameter	Description	Range
X	State	on, off, sta

Example
InputBroadcast on

Feedback
InputBroadcast on

InputStatus

Displays the status of the specified input as either a 0 or 1. If a source is detected on the input, then a 1 will be displayed. Inputs with no source connected will display a 0.

Syntax
InputStatusX

Parameter	Description	Range
X	Port	1 ... 2, Null

Example
InputStatus1

Feedback
InputStatus1 1

IPAddUser

Adds a user for web GUI login and Telnet sessions. This command performs the same function as adding a user within the web GUI. Refer to User Manual for more information.

Syntax
IPAddUser X Y

Parameter	Description	Range
X	User name	20 characters (max)
Y	Password	20 characters (max)

Example
IPAddUser BigBoss b055man

Feedback
IPAddUser BigBoss b055man
TCP/IP user was added

IPCFG

Displays the current network settings for the AT-HDVS-SC-RX.

Syntax
IPCFG

This command does not require any parameters

Example
IPCFG

Feedback
IP Addr 192.168.11.176
Netmask 255.255.255.0
Gateway 192.168.11.1
IP Port 23

IPDelUser

Deletes the specified user. Deleted users will no longer be able to access the web GUI or initiate Telnet sessions. This command performs the same function as removing a user within the web GUI. Refer to the User Manual for more information.

Syntax
IPDelUser X

Parameter	Description	Range
X	User	User name

Example
IPDelUser Minion2

Feedback
IPDelUser Minion2
TCP/IP user was deleted

IPDHCP

Enables or disables DHCP mode on the AT-UHD-CLSO-601. on = DHCP mode ON; off = DHCP mode OFF; sta = displays the current setting. If this feature is disabled, then a static IP address must be specified. The default setting is DHCP = ON.

Syntax
IPDHCP X

Parameter	Description	Range
X	Value	on, off, sta

Example
IPDHCP on

Feedback
IPDHCP on

IPLogin

Enables or disables the use of login credentials when initiating a Telnet session on the AT-HDVS-SC-RX. If this feature is set to on, then the AT-UHD-CLSO-601 will prompt for both the username and password. Use the same credentials as the web GUI. on = login credentials required; off = no login required. Use the sta argument to display the current setting. The default setting is on.

Syntax
IPLogin X

Parameter	Description	Range
X	Value	on, off, sta

Example
IPLogin off

Feedback
IPLogin off

IPPort

Sets the TCP/IP listening port for the AT-UHD-CLSO-601.

Syntax
IPPort X

Parameter	Description	Range
X	Port	0 ... 65535, sta

Example
IPPort 230

Feedback
IPPort 230

IPQuit

Closes the current Telnet session.

Syntax
IPQuit

This command does not require any arguments

Example
IPPort 230

Feedback
IPPort 230

IPStatic

Sets the static IP address, subnet mask, and gateway (router) address of the AT-HDVS-SC-RX. Before using this command, DHCP must be disabled on the AT-HDVS-SC-RX. Refer to the IPDHCP command for more information. Each argument must be entered in dot-decimal notation and separated by a space. The default static IP address of the AT-HDVS-SC-RX is 192.168.1.254.

Syntax
IPStatic X Y Z

Parameter	Description	Range
X	IP address	0 ... 255 (per byte)
Y	Subnet mask	0 ... 255 (per byte)
Z	Gateway (router)	0 ... 255 (per byte)

Example
IPStatic 192.168.1.112 255.255.255.0 192.168.1.1

Feedback
IPStatic 192.168.1.112 255.255.255.0 192.168.1.1

IPTimeout

Specifies the time interval of inactivity before the TCP/IP session is terminated. When terminated, both the Telnet and web GUI session will be closed. The default setting is 300 seconds.

Syntax
IPTimeout X

Parameter	Description	Range
X	Interval (in seconds)	1 ... 60000

Example
IPTimeout 300

Feedback
IPTimeout 300

Lock

Locks the buttons on the front panel. This feature is useful when the unit is installed in a rack environment or other remote location, to prevent accidental pressing of the front-panel buttons. Also refer to the Unlock command.

Syntax
Lock

This command does not require any parameters

Example
Lock

Feedback
Lock

LVOL

Adjusts the line volume level to the specified level. Volume levels can also be increased or decreased by increments of 1. When incrementally increasing or decreasing the current line level, do not specify the parentheses as part of the command. Refer to the examples below.

Syntax
LVOL(X)

Parameter	Description	Range
X	Value	-80 ... 0, +, -

Example
LVOL(-10)
LVOL+ // increment level by 1
LVOL- // decrement level by 1

Feedback
LVOL(-10)
LVOL+
LVOL-

Menu

Provides remote operation of the On-Screen Display (OSD). For example, to select an option on the OSD, use the Menu[Sel] command.

Syntax
MenuX

Parameter	Description	Range
X	Operation	Sw, Up, Down, Left, Right, Info, Sel

Example
MenuSel

Feedback
MenuSel

MIC

Configures the microphone ducking settings. atime = attack time, rtime = release time, sens = trigger level, reduce = program decrease.

Syntax
MICX Y

Parameter	Description	Range
X	Setting	on, off, sta, atime, rtime, sens, reduce
Y	Value	0 ... 20

Example
MICatime 20

Feedback
MICatime 20

MNR

Configures video mosquito noise reduction. Use the sta argument to return the current setting.

Syntax
MNR X

Parameter	Description	Range
X	Setting	off, low, medium, high, sta

Example
MNR low

Feedback
MNR low

Mreset

Resets the AT-UHD-CLSO-601 to factory-default settings.

Syntax
MReset

This command does not require any parameters

Example
Mreset

Feedback
Mreset

MVOL

Adjusts the microphone to the specified level. Microphone levels can also be increased or decreased by increments of 1. When incrementally increasing or decreasing the current microphone level, do not specify the parentheses as part of the command. Refer to the examples below.

Syntax
MVOL(X)

Parameter	Description	Range
X	Value	-80 ... 0, +, -

Example
MVOL(-10)
MVOL+ // increment level by 1
MVOL- // decrement level by 1

Feedback
MVOL(-10)
MVOL+
MVOL-

OSD

Displays or hides the On-Screen Display (OSD) menu system. on = show, off = hide, func = function menu, info = info menu.

Syntax
OSD X Y

Parameter	Description	Range
X	Menu	func, info
Y	State	on, off

Example
OSD info on

Feedback
OSD info on

OutAMute

Sets the audio mute state for HDMI and HDBT outputs. Specify the sta argument to return the current setting.

Syntax
OutAMute X

Parameter	Description	Range
X	Setting	on, off, sta

Example
OutAMute on

Feedback
OutAMute on

PollAddIn

Adds source for analog polling.

Syntax
PollAddInX Y

Parameter	Description	Range
X	VGA port	1 (VGA input 5), 2 (VGA input 6)
Y	Secondary port	VGA, COMP, CV, SV

Example
PollAddIn2 SV // enables SV for VGA input 5

Feedback
PollAddIn2 SV

PollDelIn

Deletes source for analog polling. The example shown below will delete VGA, CV, and COMP analog polling.

Syntax
PollDelInX Y

Parameter	Description	Range
X	VGA port	1 (VGA input 5), 2 (VGA input 6)
Y	Secondary port	VGA, COMP, CV, SV

Example
PollDelIn2 VGA,CV,COMP

Feedback
PollDelIn2 VGA,CV,COMP

PrefTimg

Sets the preferred timing of the input video signal. Specify the sta argument to display the current setting.

Syntax
PrefTimg X

Parameter	Description	Range
X	Timing	1 ... 10, sta

Preferred Timing List
1 = 1280 x 800
2 = 1920 x 1080
3 = 1024 x 768
4 = 1280 x 720
5 = 1920 x 1200
6 = 1366 x 768
7 = 800 x 600
8 = 1600 x 900
9 = 2560 x 1440
10 = 3840 x 2160
sta = read status

Example
PrefTimg 2

Feedback
PrefTimg 2

ProjSWMode

Sets the projector lamp cool-down timer, in seconds. This value specifies the time interval that must elapse, after the display control “off” command is sent, before the display “power on” command can be sent. This command is used to prevent the projector from missing a “power on” command while the lamps are cooling. Use the sta argument to display the current setting.

Syntax
ProjSWMode X

Parameter	Description	Range
X	Time interval	0 ... 300, sta

Example
ProjSWMode 120

Feedback
ProjSWMode 120

ProjWarmUpT

Sets the projector lamp warm-up timer, in seconds. During the warm-up interval, the unit will not start the auto power-off timer. This value specifies the time interval that must elapse, after the display control “on” command is sent, before the display “power off” command can be sent. This command is used to prevent a “power off” command from being sent while the lamps are warming up. Specify the sta argument, in place of the time interval, to return the current setting.

Syntax
ProjWarmUpT X

Parameter	Description	Range
X	Time interval	0 ... 300, sta

Example
ProjWarmUpT 120

Feedback
ProjSWMode 120

PWOFF

This command will place the AT-UHD-CLSO-601 in a “power-off” (standby) state When the unit is in the “off” state, the PWR LED indicator will glow solid red and no video will pass from the transmitter to the receiver.

Syntax
PWOFF

This command does not require any parameters

Example
PWOFF

Feedback
PWOFF

PWON

Issue this command to power-on the AT-HDVS-210H/U-TX, from a “power-off” (standby) state. When the unit is “on”, the PWR LED indicator will glow solid blue.

Syntax
PWON

This command does not require any parameters

Example
PWON

Feedback
PWON

PWSTA

Returns the power state of the AT-HDVS-210H/U-TX.

Syntax
PWSTA

This command does not require any parameters

Example
PWSTA

Feedback
ON

RepCmdTime

Sets the number of time a command will be sent. Some devices may require that a command be sent multiple times before an acknowledge message is sent back to the AT-UHD-CLSO-601. Specify the sta argument to display the current setting.

Syntax
RepCmdTime X

Parameter	Description	Range
X	Times to repeat command	2 ... 4, sta

Example
RepCmdTime 3

Feedback
RepCmdTime 3

RepeatCmd

Enables or disables the RepCmdTime feature. Specify the sta argument to display the current setting.

Syntax
RepeatCmd X

Parameter	Description	Range
X	Status	on, off, sta

Example
RepeatCmd on

Feedback
RepeatCmd on

RHostName

Displays the hostname of the unit. Execute the SHostName command to set the hostname.

Syntax
RHostName

This command does not require any parameters

Example
RHostName

Feedback
RHostName OMEMH21-068823

RNR

Configures video random noise reduction. Specify the sta argument to return the current setting.

Syntax
RNR X

Parameter	Description	Range
X	Setting	off, low, medium, high, sta

Example
RNR low

Feedback
RNR low

RS232para

Sets the baud rate, data bits, parity bit, and stop bits for the **RS-232** port on the AT-UHD-CLSO-601. Each argument must be separated by a comma; no spaces are permitted. Brackets must be included when typing this command.

Syntax
RS232paraV[W,X,Y,Z]

Parameter	Description	Range
V	Zone	1 ... 5
W	Baud rate	2400, 9600, 19200, 38400, 56000, 57600, 115200
X	Data bits	8, 9
Y	Parity bit	0 (None), 1 (Odd), 2 (Even)
Z	Stop bits	1, 2

Example
RS232para1[115200,8,0,1]

Feedback
RS232para1[115200,8,0,1]

RS232zone

Sends commands to the connected display. Refer to the User Manual of the display device for a list of available commands. Brackets must be used when specifying the command argument. The command line must not contain any spaces.

Syntax
RS232zoneX[Y]

Parameter	Description	Range
X	Output port (zone)	1 ... 8
Y	Command	String

Example
RS232zone1[test]

Feedback
RS232zone1[test]

SetCmd

Defines the command used by the AT-UHD-CLSO-601 to perfom the specified function on the display (sink) device. For example, to define the “power off” command, locate the equivalent “power off” command for the display by consulting the display’s User Manual. Once the desired command is located, assign it to the equivalent command used by the AT-UHD-CLSO-601. The second argument must be enclosed in brackets.

Syntax
SetCmd X[Y]

Parameter	Description	Range
X	Action	on, off, vol+, vol-, mute, fbkoff, fbkon, fbkmute
Y	Command string	String

Example
SetCmd on[CRLF]

Feedback
SetCmd on[CRLF]

SHostName

Sets the hostname of the unit. The hostname can be changed to easily identify the unit within Velocity™ with Integrated AMS or a network. Display the current hostname using the RHostName command. If using a custom hostname, it must meet the hostname standards defined here: https://tools.ietf.org/html/rfc1123

Syntax
SHostName X

Parameter	Description	Range
X	Name	String (maximum 15 characters)

Example
SHostName CLSO601_ConfRm

Feedback
SHostName CLSO601_ConfRm

SnVOL

Adjusts the sub volume to the specified level. Sub volume levels can also be increased or decreased by increments of 1. When incrementally increasing or decreasing the current sub volume level, do not specify the parentheses as part of the command. Refer to the examples below.

Syntax
SnVOL(X)

Parameter	Description	Range
X	Value	-80 ... 10, +, -

Example
SnVOL(-10)
SnVOL+ // increment level by 1
SnVOL- // decrement level by 1

Feedback
SnVOL(-10)
SnVOL+
SnVOL-

System

Displays the status of the AT-UHD-CLSO-601. Specify the sta argument for a "pretty" output, as shown below. The dev argument uses the "%;" delimiter in formatting the output.

Syntax
System X

Parameter	Description	Range
X	Request	sta, dev

Example
Status sta

Feedback
Model: AT-UHD-CLSO-601
MAC Addr: b8-98-b0-00-52-c8
Address Type: DHCP
IP: 10.20.40.68
Netmask: 255.255.255.0
Gateway: 10.20.40.1
HTTP Port: 80
Telnet Port: 23
Firmware: 2.0.36
On/Up Time <dd HH:mm:ss>: 07 00:50:01
Power Status: PWON
Hostname: CLSO601-0052C8
Broadcast on

TrigCEC

Sends the specified command to the display using CEC. The output must always be specified and set to the value of 1. Do not add a space between the command and the first argument.

Syntax
TrigCECX Y

Parameter	Description	Range
X	Zone	1
Y	Command	on, off

Example
TrigCEC1 on

Feedback
TrigCEC1 on

TrigIP

Sends the specified command to the display using IP. Do not add a space between the command and the first argument.

Syntax
TrigIPX Y

Parameter	Description	Range
X	TCP	1, 2
Y	Command	on, off, vol+, vol-, mute

Example
TrigIP1 on

Feedback
TrigIP1 on

TrigRS

Sends the specified command to the display using RS-232. The output must always be specified and set to the value of 1. Do not add a space between the command and the first argument.

Syntax
TrigRSX Y

Parameter	Description	Range
X	Zone	1
Y	Power state	on, off, vol+, vol-, mute

Example
TrigRS1 on

Feedback
TrigRS1 on

Type

Displays the SKU of the AT-UHD-CLSO-601.

Syntax
Type

This command does not require any parameters

Example
Type

Feedback
AT-UHD-CLSO-601

Unlock

Unlocks the buttons on the front panel. Also refer to the Lock command.

Syntax
Unlock

This command does not require any parameters

Example
Unlock

Feedback
Unlock

Version

Displays the current firmware version of the unit. Do not add a space between the X parameter and the command.

Syntax
VersionX

Parameter	Description	Range
X	Value	MCU, VSRX

Example
VersionMCU

Feedback
V2.0.36

VFmtRes

Sets the video output resolution. Refer to the Output Resolution List, below.

Syntax
VidOutRes X

Parameter	Description	Range
X	Value	0 ... 42, 254

Output Resolution List
0 = Pass-through
1 = 640 x 480 @ 60 Hz
2 = 720 x 480i @ 60 Hz
3 = 720 x 480p @ 60 Hz
4 = 1280 x 720p @ 60 Hz
5 = 1920 x 1080i @ 60 Hz
6 = 1920 x 1080p @ 60 Hz
7 = 720 x 576i @ 50 Hz
8 = 720 x 576p @ 50 Hz
9 = 1280 x 720p @ 50 Hz
10 = 1920 x 1080i @ 50 Hz
11 = 1920 x 1080p @ 50 Hz
12 = 1920 x 1080p @ 24 Hz
13 = 1920 x 1080p @ 25 Hz
14 = 1920 x 1080p @ 30 Hz
15 = 640 x 480 @ 72 Hz
16 = 640 x 480 @ 75 Hz
17 = 800 x 600 @ 60 Hz
18 = 800 x 600 @ 72 Hz
19 = 800 x 600 @ 75 Hz
20 = 1024 x 768 @ 60 Hz
21 = 1024 x 768 @ 72 Hz
22 = 1024 x 768 @ 75 Hz
23 = 1280 x 720p @ 60 Hz
24 = 1280 x 800 @ 60 Hz
25 = 1280 x 960 @ 60 Hz
26 = 1280 x 1024 @ 60 Hz
27 = 1360 x 768 @ 60 Hz
28 = 1366 x 768 @ 60 Hz
29 = 1440 x 900 @ 60 Hz
30 = 1600 x 1200 @ 60 Hz
31 = 1920 x 1200 @ 60 Hz
32 = 2048 x 1080p @ 24 Hz
33 = 2048 x 1080p @ 50 Hz
34 = 2048 x 1080p @ 60 Hz
35 = 2048 x 1152 @ 60 Hz
36 = 3840 x 2160p @ 60 Hz
37 = 3840 x 2160p @ 50 Hz
38 = 3840 x 2160p @ 30 Hz
39 = 4096 x 2160p @ 24 Hz
40 = 4096 x 2160p @ 30 Hz
41 = 1400 x 1050 @ 60 Hz
42 = 1600 x 900 @ 60 Hz
254 = Native

Example
VFmtRes 6

Feedback
VFmtRes 6

VGAPrefT

Sets the preferred timing for VGA. Refer to the Output Resolution List, below.

Syntax
VGAPrefT X

Parameter	Description	Range
X	Value	0 ... 42, 254

Output Resolution List
1 = 1280 x 800
2 = 1920 x 1080
3 = 1024 x 768
4 = 1280 x 720
5 = 1920 x 1200
6 = 1366 x 768
7 = 800 x 600
8 = 1600 x 900
sta = Read status

Example
VGAPrefT 2

Feedback
VGAPrefT 2

VOL

Adjusts the master volume to the specified level. The master volume level can also be increased or decreased by increments of 1. When incrementally increasing or decreasing the current master volume, do not specify the parentheses as part of the command. Refer to the examples below.

Syntax
VOL(X)

Parameter	Description	Range
X	Value	-80 ... 10, +, -

Example
VOL(-10)
VOL+ // increment level by 1
VOL- // decrement level by 1

Feedback
VOL(-10)
VOL+
VOL-

VOLMute

Enables or disables volume muting. Specify the sta argument to return the current setting.

Syntax
VOLMute X

Parameter	Description	Range
X	Setting	on, off, sta

Example
VOLMute on // muting is enabled

Feedback
VOLMute on