



# 4K/UHD Scaler for HDBaseT™ and HDMI

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Application Programming Interface

AT-HDVS-SC-RX

Atlona Manuals  
Extenders

## Version Information

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Version	Release Date	Notes
1	10/18	Initial release

## Commands

The following tables provide an alphabetical list of commands available on the AT-HDVS-SC-RX. 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	Sets the power-off time interval
Aspect	Sets the output aspect ratio
ASwFstTime	Sets the time interval before the auto-switch fallback is invoked.
ASwOutTime	Sets the time interval for auto-switching when no signal is detected
AutoDispOff	Sends the power-off command to the display when a no source is detected
AutoDispOn	Sends the power-off command to the display when a source signal is received
AutoPwrMode	Sets the auto-power mode
AutoSW	Enable or disables auto switching or display auto switching status
BASS	Adjusts the bass on the audio output
Blink	Enables or disables blinking of the <b>POWER</b> button on the front panel
Broadcast	Enables or disables broadcast mode
BRT	Sets the picture brightness
CliIPAddr	Sets the IP address of the Telnet client
CliMode	Sets the login mode of the Telnet client
CliPass	Set the password for the Telnet client
CliPort	Sets the listening port of the Telnet client
CliUser	Sets the username for the Telnet client
CommaWait	Adds a 5 second delay between commands, when a comma is included
CSpara	Sets the baud rate, data bits, parity bit, and stop bits for the serial port
CtlType	Sets the control protocol used to communicate with the display device
CTRST	Sets the picture contrast
HDBTRS232	Sets the baud rate, data bits, parity bit, and stop bits for the <b>HDBaseT IN</b> port
HDCPSet	Sets the HDCP reporting mode for the specified input
HDMIAUD	Enables or disables audio on the HDMI output
help	Displays the available list of commands
HUE	Sets the picture hue
HZoom	Sets the horizontal overscan value
InputBroadcast	Enables or disables broadcast mode
InputStatus	Displays the status for each input
IPAddUser	Adds a user for Telnet control

Command	Description
IPCFG	Displays the current network settings for the AT-HDVS-SC-RX
IPDelUser	Deletes the specified Telnet user
IPDHCP	Enables or disables DHCP mode on the AT-HDVS-SC-RX
IPLogin	Enables or disables login credentials when starting a Telnet session
IPPort	Sets the Telnet listening port for the AT-HDVS-SC-RX
IPStatic	Sets the static IP address, subnet mask, and gateway for the AT-HDVS-SC-RX
IPTimeout	Specifies the time interval of inactivity before the Telnet session is closed
LRAUD	Enables or disables the analog audio input
Mreset	Resets the AT-HDVS-SC-RX to factory-default settings
PictureRst	Resets the picture settings to defaults
PrefTimg	Sets the preferring input timing
ProjSWMode	Sets the time interval before the “display on” command is sent
ProjWarmUpT	Sets the display warm-up interval, in seconds
RelayAct	Sets the initial state of the specified relay
RelayAuto	Toggles the state of the relay
RelayPulseT	Sets the relay pulse time interval
RelayType	Sets the relay type to pulse or closed
RS232para	Sets the baud rate, data bits, stop bits, and parity for the HDBaseT zone
RS232zone	Send a command to the HDBT device
SATRT	Sets the picture saturation
ScalerPtMode	Enables or disables pass-through mode
SetCmd	Assigns an RS-232 or IP command to the specified button on the front panel
SetFbVerify	Sets the feedback verify status
SetStrgType	Specifies how the command string is displayed in the web GUI
Statusx	Displays the routing status of the <b>HDMI Out</b> port on the receiver
System	Displays the status of the AT-HDVS-SC-RX
TREBLE	Adjusts the treble on the audio output
TrigCEC	Triggers the stored CEC command
TrigIP	Triggers the stored IP command
TrigRS	Triggers the stored RS-232 command
Type	Displays the model of the transmitter
Version	Displays the current firmware version of the AT-HDVS-SC-RX
VidOutRes	Sets the output resolution
VolKeyOPT	Sets the volume option key type

## Commands

Command	Description
VOUT	Increases / decreases the audio output volume
VOUtmute	Mutes / unmutes the output audio
VZoom	Sets the vertical overscan size
x1AVx1	Routes the specified input to the HDMI output
Zoom	Enables or disables overscan

### 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 Y
```

Parameter	Description	Range
X	Constant	1
Y	Setting	follow, fill, sta

#### Example

```
Aspect 1 fill
```

#### Feedback

```
Aspect 1 fill
```

### ASwFstTime

Sets the time interval before the auto-switch fallback is invoked.

#### Syntax

```
ASwFstTime X
```

Parameter	Description	Range
X	Time interval (seconds)	1 ... 600

#### Example

```
ASwFstTime 30
```

#### Feedback

```
ASwFstTime 30
```

### 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
```

### 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
```



## BASS

Increases / decreases the amount of bass on the **HDMI - PCM 2, OPTICAL**, and analog output port. In addition to specifying an integer value, the + and - arguments can be used, by themselves, to increase or decrease the bass by 1 value, respectively. To display the current value, execute the BASS1 command without any arguments.

### Syntax

```
BASS1 X
```

Parameter	Description	Range
X	Value	-15 ... 15

### Example

```
BASS1 -5  
BASS1 +
```

### Feedback

```
BASS1 -5  
BASS1 -4
```

## 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
```

## 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
```

## BRT

Sets the picture brightness.

### Syntax

```
BRT X
```

Parameter	Description	Range
X	Value	0 ... 100, sta

### Example

```
BRT 75
```

### Feedback

```
BRT 75
```

## 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
```

### CommaWait

Creates a 5-second delay between commands, when multiple commands are specified in the **Set command** fields, under the **RS-232/IP commands** section of the web GUI. Refer to the User Manual for more information. on = enable, off = disable. Use the sta argument to display the current setting.

#### Syntax

```
CommaWait X
```

Parameter	Description	Range
X	Value	on, off, sta

#### Example

```
CommaWait on
```

#### Feedback

```
CommaWait on
```

## CSpa

Sets the baud rate, data bits, parity bit, and stop bits for the serial device. 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

```
CSpa[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

```
CSpa[115200,8,0,1]
CSpa[sta]
```

### Feedback

```
CSpa[115200,8,0,1]
CSpa [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
```

## CTRST

Sets the picture contrast.

### Syntax

```
CTRST X
```

Parameter	Description	Range
X	Value	0 ... 100, sta

**Example**  
CTRST 60

**Feedback**  
CTRST 60

## HDBTRS232

Sets the baud rate, data bits, parity bit, and stop bits for the **HDBaseT IN** port. Each argument must be separated by a comma; no spaces are permitted. Brackets must be used when typing this command. Use the *sta* argument, *without brackets and including a space*, to display the current settings.

### Syntax

```
HDBTRS232[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**  
HDBTRS232[115200,8,0,1]

**Feedback**  
HDBTRS232[115200,8,0,1]

## HDCPSet

Set the HDCP reporting mode of the specified 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

```
HDCPSet X
```

Parameter	Description	Range
X	Value	on, off, auto, sta

**Example**  
HDCPSet 1 on

**Feedback**  
HDCPSet 1 on

## HDMIAUD

Enables or disables audio on the HDMI output of the receiver. on = enables HDMI audio output; off = disables HDMI audio output. Use the sta argument to return the current HDMI audio output state.

### Syntax

```
HDMIAUD X
```

Parameter	Description	Range
X	Value	on, off, sta

**Example**  
HDMIAUD off

**Feedback**  
HDMIAUD off

## 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
Update
Version
System
Type
Mreset
...
...
```

## HUE

Sets the picture hue. Specify the **sta** argument to display the current setting.

### Syntax

```
HUE X
```

Parameter	Description	Range
X	Value	0 ... 100, sta

### Example

```
HUE 45
```

### Feedback

```
HUE 45
```



## HZoom

Sets the horizontal overscan size. The default value is 0. Specify the sta argument to display the current setting.

### Syntax

```
HZoom X
```

Parameter	Description	Range
X	Value	0 ... 50, sta

**Example**  
HZoom 10

**Feedback**  
HZoom 10

## InputBroadcast

Enables or disables broadcast mode. The default setting is off.

### 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	User name	20 characters (max)

### 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-HDVS-SC-RX. 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-HDVS-SC-RX 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-HDVS-SC-RX.

### Syntax

```
IPPort X
```

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

**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
```

## LRAUD

Enables or disables the analog audio input.

### Syntax

```
LRAUD
```

Parameter	Description	Range
X	Status	on, off, sta

**Example**  
LRAUD on

**Feedback**  
LRAUD on

## Mreset

Resets the AT-HDVS-SC-RX to factory-default settings.

### Syntax

```
MReset
```

**This command does not require any parameters**

**Example**  
Mreset

**Feedback**  
Mreset

## PictureRst

Resets the brightness, contrast, hue, saturation, and sharpness values to the factory-default settings.

### Syntax

```
PictureRst
```

**This command does not require any parameters**

**Example**  
PictureRst

**Feedback**  
PictureRst

## PrefTimg

Sets the preferred timing of the input video signal. When selecting **Native**, the device will use the EDID of the display/sink device. Specify the sta argument to display the current setting.

### Syntax

```
PrefTimgX Y
```

Parameter	Description	Range
X	Input port	1, 2
Y	Timing	0 ... 11, sta

### Preferred Timing List

0 = Native

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

11 = 1440 x 900

### Example

```
PrefTimg 2
```

### Feedback

```
PrefTimg 2
```

## ProjSWMode

Sets the time interval before the “display on” command is sent. This value should be the same as the projector’s delay setting. 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 display warm-up interval, in seconds. During this time, the display will not accept any commands until the “power on” command has been processed. Use the *sta* argument to display the current setting.

### Syntax

```
ProjWarmUpT X
```

Parameter	Description	Range
X	Time interval	0 ... 300, <i>sta</i>

### Example

```
ProjWarmUpT 120
```

### Feedback

```
ProjSWMode 120
```

## RelayAct

Sets the initial state of the specified relay: normally-open (NO) or normally-closed (NC). The first argument specifies the relay and the second argument sets the state. *open* = opens the relay, *close* = closes the relay; *sta* = displays the current state of the **RelayAct** setting. When returning the relay state, the relay number must also be specified.

### Syntax

```
RelayActX Y
```

Parameter	Description	Range
X	Relay	1 ... 2
Y	State	<i>open</i> , <i>close</i> , <i>sta</i>

### Example

```
RelayAct1 open  
RelayAct1 sta
```

### Feedback

```
RelayAct1 open  
RelayAct1 open
```



## RelayAuto

Toggles the state of the relay. on = toggles the relay state and sets the control state to “follow display status”; off = toggles the relay state and set the control state to “manual”; sta = returns the current **RelayAuto** setting. An example of the “follow display status” state would be: When the projector is powered on, relay 1 (C1) could lower the projector screen and relay 2 (C2) might dim the lights. The “manual” control state provides the ability to override the current relay settings.

### Syntax

```
RelayAuto X
```

Parameter	Description	Range
X	Value	on, off, ?

**Example**  
RelayAuto on

**Feedback**  
RelayAuto on

## RelayPulseT

Sets the relay pulse time interval. Specify the sta argument to display the current setting.

### Syntax

```
RelayPulseT X
```

Parameter	Description	Range
X	Time interval	0 ... 30, sta

**Example**  
RelayPulseT 5

**Feedback**  
RelayPulseT 5

## RelayType

Sets the relay type. Specify the sta argument to display the current setting.

### Syntax

```
RelayType X
```

Parameter	Description	Range
X	Type	pulse, closed, sta

**Example**  
RelayType pulse

**Feedback**  
RelayType pulse

### RS232para

Sets the baud rate, data bits, parity bit, and stop bits for the **RS-232** port on the AT-HDVS-SC-RX. There should be no space between the first parameter and the command. Add a space before the bracketed set of values. Each argument must be separated by a comma; no spaces are permitted. Brackets must be included when typing this command. Use the *sta* argument, *without brackets and including a space*, to display the current settings.

#### Syntax

```
RS232paraV [W,X,Y,Z]
```

Parameter	Description	Range
V	Constant	1 (must be specified)
W	Baud rate	2400, 9600, 19200, 38400, 56000, 57600, 115200
X	Data bits	7, 8
Y	Parity bit	None, Odd, Even
Z	Stop bits	1, 2

#### Example

```
RS232para1 [115200,8,0,1]
RS232para1 sta
```

#### Feedback

```
RS232para1[115200,8,0,1]
RS232para1[115200,8,0,1]
```

### RS232zone

Sends commands to the HDBaseT device. 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	Zone	1
Y	Command	String

#### Example

```
RS232zone1[command]
```

#### Feedback

```
RS232zone1[command]
```

## SATRT

Sets the picture color saturation value. Specify the sta argument to display the current setting.

### Syntax

```
SATRT X
```

Parameter	Description	Range
X	Saturation	0 ... 100, sta

**Example**  
SATRT 50

**Feedback**  
SATRT 50

## ScalerPtMode

Sets the scaler pass-through mode. Specify the sta argument to display the current setting.

### Syntax

```
ScalerPtMode X
```

Parameter	Description	Range
X	Mode	on, off, sta

**Example**  
ScalerPtMode off

**Feedback**  
ScalerPtMode off

## SetCmd

Defines the command used by the AT-HDVS-SC-RX, to perform 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-HDVS-SC-RX.

### Syntax

```
SetCmd X[Y]
```

Parameter	Description	Range
X	Action	on, off, vol+, vol-, mute, fbkoff, fbkon, fbkmute
Y	End-of-Line (EOL) character	None, CR, LF, CRLF, Space

### Example

SetCmd on CRLF

### Feedback

SetCmd on CRLF [PWON]

## SetEnd

Defines the end-of-line (EOL) termination character for the assigned command. Use this command in conjunction with the **SetCmd** command. The second parameter must be enclosed in parentheses. There is no space between the first and second argument.

### Syntax

```
SetEnd X(Y)
```

Parameter	Description	Range
X	Command	on, off, vol+, vol-, mute, fbkoff, fbkon, fbkmute
Y	EOL character	None, CR, LF, CR-LF, Space, STX, ETX, Null

### Example

SetEnd off[CR-LF]

### Feedback

SetEnd off[CR-LF]

## SetFbVerify

Sets the feedback verify status. Use this command if a feedback string is requested, after a command has been processed. If set to on, then the AT-HDVS-SC-RX will make four attempts to send the command, if the feedback string is not acknowledged. After the fourth attempt, the process will fail. Specify the sta argument to display the current setting.

### Syntax

```
SetFbVerify X
```

Parameter	Description	Range
X	Value	on, off, sta

**Example**  
SetFbVerify on

**Example**  
SetFbVerify on

## SetStrgType

Specifies how the command string is displayed in the web GUI. This command does not affect how commands are transmitted or processed. Specify the sta argument to display the current setting.

### Syntax

```
SetStrgType X
```

Parameter	Description	Range
X	Value	ascii, hex, sta

**Example**  
SetStrgType ascii

**Feedback**  
SetStrgType ascii

## Statusx

Displays which input is connected to output 1. The parameter 1 is required.

### Syntax

```
StatusxX
```

Parameter	Description	Range
X	Output (required)	1

**Example**  
Statusx1

**Feedback**  
x1AVx1

## System

Displays the status of the AT-HDVS-SC-RX.

### Syntax

```
System X
```

Parameter	Description	Range
X	Request	sta, dev

### Example

```
Status sta
```

### Feedback

```
Model: AT-HDVS-SC-RX
MAC Addr: B8:98:B0:00:E5:57
Address Type: DHCP
IP Addr: 192.168.11.176
Netmask: 255.255.255.0
Gateway: 192.168.11.1
HTTP Port: 80
Telnet Port: 23
Firmware: 0.9.10
On/Up Time <dd HH:mm:ss>: 00 01:01:29
```

## TREBLE

Increases / decreases the amount of treble. In addition to specifying an integer value, the + and - arguments can be used, by themselves, to increase or decrease the amount of treble by 1 value, respectively. To display the current value, use the sta argument.

### Syntax

```
TREBLE X
```

Parameter	Description	Range
X	Value	-12 ... 15, sta

### Example

```
Treble 7
Treble -
```

### Feedback

```
Treble 7
Treble 6
```

## 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, vol+, vol-, mute

### 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-HDVS-SC-RX.

### Syntax

```
Type
```

**This command does not require any parameters**

### Example

```
Type
```

### Feedback

```
AT-HDVS-SC-RX
```

## 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

```
0.9.10
```



## VidOutRes

Sets the video output resolution. Use the sta argument to display the current video output resolution.

### Syntax

```
VidOutRes
```

Parameter	Description	Range
X	Value	0 ... 31, sta

### Output Resolution List

0 = 640x480p60	16 = 1920x1080i50
1 = 800x600p60	17 = 1920x1080i60
2 = 848x480p60	18 = 1920x1080p24
3 = 1024x768p60	19 = 1920x1080p25
4 = 1152x870p75	20 = 1920x1080p30
5 = 1280x720p30	21 = 1920x1080p50
6 = 1280x720p50	22 = 1920x1080p60
7 = 1280x720p60	23 = 1920x1200p60
8 = 1280x768p60	24 = 2048x1080p60
9 = 1280x800p60	25 = 2048x1200p60
10 = 1280x1024p60	26 = 3840x2160p24
11 = 1360x768p60	27 = 3840x2160p25
12 = 1366x768p60	28 = 3840x2160p30
13 = 1440x900p60	29 = 4096x2160p24
14 = 1680x1050p60	30 = 4096x2160p25
15 = 1600x1200p60	31 = 4096x2160p30

### Example

```
VidOutRes 26
```

### Feedback

```
VidOutRes 26
```

## VolKeyOPT

Sets the volume option key type.

### Syntax

```
VolKeyOPT X
```

Parameter	Description	Range
X	Key type	1, 2, sta

### Example

```
VolKeyOPT 1
```

### Feedback

```
VolKeyOPT 1
```

## VOUT

Increases / decreases the audio output volume. In addition to specifying an integer value, the + and - arguments can be used, by themselves, to increase or decrease the volume by 1 value, respectively. To display the current value, specify the sta argument.

### Syntax

```
VOUT X
```

Parameter	Description	Range
X	Level	+, -, -80 ... 0, sta

### Example

```
VOUT 4  
VOUT +
```

### Feedback

```
VOUT 4  
VOUT 5
```

## VOUtmute

Mutes / unmutes the output audio. on = enables muting; off = disables muting; sta = displays the current setting.

### Syntax

```
VOUtmute X
```

Parameter	Description	Range
X	State	on, off, sta

### Example

```
VOUtmute on
```

### Feedback

```
VOUtmute on
```

### VZoom

Sets the vertical overscan size. The default value is 0. Specify the sta argument to display the current setting.

#### Syntax

```
VZoom X
```

Parameter	Description	Range
X	Value	0 ... 50, sta

**Example**  
VZoom 10

**Feedback**  
VZoom 10

### x1AVx1

Routes the specified input to the HDMI output. 1 = HDBaseT, 2 = HDMI.

#### Syntax

```
xXAVx1
```

Parameter	Description	Range
X	Input	1, 2

**Example**  
x2AVx1

**Feedback**  
x2AVx1

### Zoom

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

#### Syntax

```
Zoom X
```

Parameter	Description	Range
X	Status	on, off, sta

**Example**  
Zoom off

**Feedback**  
Zoom off

