![Atlona a Panduit company logo]

Three-Input
Switcher for HDMI and VGA
with Ethernet-Enabled HDBaseT Output

Application Programming Interface
2.0.42

Version Information

Version	Release Date	Notes
1	Jul 2019	Separated from User Manual; firmware 2.0.42 added InputStatus and InputBroadcast commands.

Commands

The following tables provide an alphabetical list of commands available on the AT-HDVS-200-TX and AT-HDVS-200-TX-PSK. 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
AnaGain	Sets the gain of the analog audio input
APwrOffTime	Sets the power-off time interval
Aspect	Sets the aspect ratio of the output signal
ASwFstTime	Sets detect delay time when power on
ASwOutTime	Sets the time interval for auto-switching when no signal is detected
ASwPrePort	Sets which port to switch to when no signal is detected
AudioSrc	Set audio source for the HDMI inputs
AutoDispOff	Enables or disables display auto-off
AutoDispOn	Enables or disables display auto-on
AutoPwrMode	Set the display mode for auto power on and off
AutoSW	Enable or disables auto switching or display auto switching status
BASS	Increases or decreases the amount of bass on the output
Blink	Enables or disables blinking of the **DN** 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	Sets the password for the Telnet client
CliPort	Sets the listening port for the Telnet client
CliUser	Sets the username for the Telnet client
CSpara	Sets the baud rate, data bits, parity bit, and stop bits for the serial port
CtlType	Sets the control type for communcation with the display device
CTRST	Sets the picture contrast
DispBtn	Simulates pressing the **DISPLAY** button on the front panel
DispCEC	Sets the display command type to CEC
DispIP	Sets the display command type to IP

Command	Description
DispKeyLock	Locks or unlocks the DISPLAY button on the front panel
Display	Send the command to the display device using the current protocol
DispRS	Sets the display command type to RS-232
FreeRun	Enables or disables "audio-only" from the transmitter to the receiver
HDCPSet	Sets the HDCP reporting mode for the **HDMI IN 1** port
HDMIAUD	Enables or disables audio on the HDMI output
x?AVx1	Displays the model number of the connected receiver
help	Displays the list of available commands
HUE	Sets the picture hue
Input	Sets the active input
InputBroadcast	Invokes the InputStatus command when enabled
InputStatus	Displays the state of each input
IPAddUser	Adds a user for Telnet control
IPCFG	Displays the current network settings for the AT-HDVS-200-TX
IPDelUser	Deletes the specified Telnet user
IPDHCP	Enables or disables DHCP mode on the AT-HDVS-200-TX
IPLogin	Enables or disables login credentials when starting a Telnet session
IPPort	Sets the Telnet listening port for the AT-HDVS-200-TX
IPStatic	Sets the static IP address, subnet mask, and gateway for the AT-HDVS-200-TX
IPTimeout	Specifies the time interval of inactivity before the Telnet session is closed
LRAUD	Enables or disables audio on the L/R analog output
Mreset	Resets the AT-HDVS-200-TX to factory-default settings
PictureRst	Resets all picture settings
PrefTimg	Sets the preferred HDMI input timing
ProjSWMode	Sets the cool-down intervale of the projector
ProjWarmUpT	Sets the projector warm-up time interval
RS232para	Sets the baud rate, data bits, stop bits, and parity for the **RS-232** port
RS232zone	Send a command to the HDBT device
RxRSparaZ	Specifies the RS-232 settings for the RS-232 1 port on the receiver
SATRT	Sets the picture color saturation

Command	Description
SetCmd	Assigns an RS-232 or IP command to the specified button on the front panel
SetEnd	Sets the end-character delimiter for the specified command
SetFbVerify	Sets the feedback verification state
SetStrgType	Sets the type of command string
SHARP	Sets the picture sharpness
System	Displays system information about the AT-HDVS-200-TX
TREBLE	Increases or decreases the treble on the 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
Update	Updates the MCU or Valens firmware from the command line
Version	Displays the current firmware version of the AT-HDVS-200-TX
VGAAuto	Performs a VGA auto-adjust
VGAPrefT	Set the preferred timing for the VGA input
VidOutRes	Sets the video output resolution
VolKeyOPT	Defines the function method of the VOL button on the front panel
VOUT	Increases or decreases the audio volume
VOUTMute	Mutes or unmutes the audio

AnaGain

Sets the gain of the analog input.

Syntax
AnaGain X

Parameter	Description	Range
X	Audio gain	0 ... 16

Example
AnaGain 1

Feedback
AnaGain 1

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 APwrOffTime setting.

Syntax
APwrOffTime X

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

Example
APwrOffTime 120

Feedback
APwrOffTime 120

Aspect

Sets the aspect ratio of the output signal. The default setting is Full. Use the sta argument to display the current setting.

Syntax
Aspect X

Parameter	Description	Range
X	Aspect ratio	0 = Full 1 = 16:9 2 = 16:10 3 = 4:3 4 = Keep Ratio

Example
Aspect 1

Feedback
Aspect 1

ASwFstTime

Sets the time interval, in seconds, before the unit switches to the input used by a newly-powered or connected device. Use the sta argument to display the current setting.

Syntax
ASwFstTime X

Parameter	Description	Range
X	Time interval	10 ... 600, sta

Example
ASwFstTime 10

Feedback
ASwFstTime 10

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 input to be used for auto-switching, once no A/V signal is detected from the currently active port. Use the sta argument to display the current setting.

Syntax
ASwPrePort X

Parameter	Description	Range
X	Port	1 = HDMI IN 1 2 = HDMI IN 2 3 = VGA IN Prev = Previous

Example
ASwPrePort 1

Feedback
ASwPrePort 1

AudioSrc

Sets the audio source for the each HDMI input. Parameter X specifies the HDMI port. Parameter Y specifies the type of audio that will be used. Do not include a space between the AudioSrc command and the first argument. Use the sta argument, for parameter Y, to display the current setting of the specified port.

Syntax
AudioSrcX Y

Parameter	Description	Range
X	HDMI IN port	1 ... 2
Y	Audio type	auto = Automatically selects the audio type dig = Digital audio only ana = Analog audio from the **AUDIO IN** port is embedded on the output.

Example
AudioSrc1 ana

Feedback
AudioSrc1 ana

AutoDispOff

Sends the command to power-off the display when an A/V signal is no longer present. Use the on argument to enable this feature. Use the sta argument to return the current setting.

Syntax
AutoDispOff X

Parameter	Description	Range
X	Value	on, off, sta

Example
AutoDispOff on

Feedback
AutoDispOff on

AutoDispOn

Sends the command to power-on the display when an A/V signal is detected. Use the on argument to enable this feature. Use the sta argument to return the current setting.

Syntax
AutoDispOn X

Parameter	Description	Range
X	Value	on, off, sta

Example
AutoDispOn on

Feedback
AutoDispOn on

AutoPwrMode

Sets the display mode for auto-power on and off.

Syntax
AutoPwrMode X

Parameter	Description	Range
X	Value	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 or decreases the amount of bass on the output. 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.

Syntax
BASS X

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

Example
BASS -5
BASS +

Feedback
BASS -5
BASS -4

Blink

Enables or disables blinking of the **DN** button on the front panel. When set to on, the **DN** button will flash red and can be used to physically identify the unit on a network. The **DN** button will flash until the Blink off command is executed. on = enables **DN** button blinking; off = disables **DN** button 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. Use the sta argument to display the current brightness setting.

Syntax
BRT X

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

Example
BRT 60

Feedback
BRT 60

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, sta = displays 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.

Syntax
CliPort X

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

Example
CliPort 30

Feedback
CliPort 30

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 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
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 type for communication with the display device.

Syntax
CtlType X

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

Example
CtlType cec

Feedback
CtlType cec

CTRST

Sets the picture contrast. Use the sta argument to display the current setting.

Syntax
CTRST X

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

Example
CTRST 65

Feedback
CTRST 65

DispBtn

Simulates pressing the **DISPLAY** button on the front panel, activating the display mode and RS-232/CEC/IP display control commands. on = simulates pressing the **DISPLAY** button to the "on" state, off = simulates pressing the **DISPLAY** button to the "off" state, tog = reverses the current state of the **DISPLAY** button, sta = displays the current setting.

Syntax
DispBtn X

Parameter	Description	Range
X	Setting	on, off, tog, sta

Example
DispBtn on

Feedback
DispBtn on

DispCEC

Enables or disables the display command protocol to CEC. on = enable CEC, off = disable CEC, sta = displays the current setting.

Syntax
DispCEC X

Parameter	Description	Range
X	Setting	on, off, sta

Example
DispCEC on

Feedback
DispCEC on

DispIP

Enables or disables the display command protocol to IP. on = enable IP, off = disable IP, sta = displays the current setting.

Syntax
DispIP X

Parameter	Description	Range
X	Setting	on, off, sta

Example
DispIP on

Feedback
DispIP on

DispKeyLock

Locks the **DISPLAY** button on the front panel, preventing it from being accidentally activated. on = locks the DISPLAY button, off = unlocks the DISPLAY button, sta = displays the current setting.

Syntax
DispKeyLock X

Parameter	Description	Range
X	Setting	on, off, sta

Example
DispKeyLock on

Feedback
DispKeyLock on

Display

Sends the "on" or "off" command to the display using the current protocol. Use the sta argument to display the current setting. Refer to the DispCEC, DispIP, and DispRS command to set the protocol.

Syntax
Display X

Parameter	Description	Range
X	Setting	on, off, sta

Example
Display on

Feedback
Display on

DispRS

Enables or disables the display command protocol to RS-2232. on = enable RS-232, off = disable RS-232, sta = displays the current setting.

Syntax
DispRS X

Parameter	Description	Range
X	Setting	on, off, sta

Example
DispRS on

Feedback
DispRS on

FreeRun

Enables or disables only audio to be sent from the transmitter to the receiver. on = enable, off = disable, sta = displays the current setting.

Syntax
FreeRun X

Parameter	Description	Range
X	Setting	on, off, sta

Example
FreeRun on

Feedback
FreeRun on

⚠️ **IMPORTANT**: Setting the **Audio Freerun Status** to ON is not recommended.   When set to ON, both video auto switching and display control are disabled.

HDCPSet

Set the HDCP reporting mode of the specified **HDMI IN** port. Some computers will send HDCP content if an HDCP-compliant display is detected. Setting this value to off, will force the computer to ignore detection of HDCP-compliant displays. Disabling this feature will *not* decrypt HDCP content. on = enables HDCP detection; off = disables HDCP detection; sta = displays the current setting.

Syntax
HDCPSet X Y

Parameter	Description	Range
X	Value	1 ... 2
Y	Value	on, off, sta

Example
HDCPSet 1 on

Feedback
HDCPSet 1 on

HDMIAUD

Enables or disables audio on the HDMI output. on = enables HDMI audio output; off = disables HDMI audio output; sta = displays the current HDMIAUD setting.

Syntax
HDMIAUD

Parameter	Description	Range
X	Value	on, off, sta

Example
HDMIAUD off

Feedback
HDMIAUD off

HDVS

Displays the model number of the connected receiver. The sta argument must be provided. If no receiver is connected, this command will return Null.

Syntax
HDVS X

Parameter	Description	Range
X	Value	sta

Example
HDVS sta

Feedback
AT-HDVS-200-RX

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
Command List:
----
help
Input
Version
...
...

HUE

Sets the picture hue. Use the sta argument to display the current HUE value.

Syntax
HUE X

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

Example
HUE 40

Feedback
HUE 40

Input

Sets the active input. When specifying an HDMI input, the number of the input must also be specified. Do not add a space between the HDMI argument and the input number. Use the sta argument to display the current setting.

Syntax
Input X Y

Parameter	Description	Range
X	Input	HDMI, VGA, sta
Y	HDMI port identifier	1 ... 2

Example
Input HDMI2

Feedback
Input HDMI2

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 state of each input. 0 = no source connected; 1 = source connected. Optionally specify the number of the input, as an argument, to return the state of that input.

Syntax
InputStatus [X]

Parameter	Description	Range
X	Input (optional)	1 ... 3

Examples
InputStatus
InputStatus1

Feedback
InputStatus 010
InputStatus1 0

IPAddUser

Adds a user for Telnet control. This command performs the same function as adding a user within the **Config** page of the web GUI. Refer to Config page (page 18) of the web GUI 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-200-TX.

Syntax
IPCFG

This command does not require any parameters

Example
IPCFG

Feedback
IP Addr: 10.0.1.101
Netmask: 255.255.255.0
Gateway: 10.0.1.1
IP Port: 23

IPDelUser

Deletes the specified TCP/IP user. This command performs the same function as removing a user within the **Config** page of the web GUI. Refer to the Config page (page 19) for more information.

Syntax
IPDelUser X

Parameter	Description	Range
X	User	User name

Example
IPDelUser BigBoss

Feedback
IPDelUser BigBoss
TCP/IP user was deleted

IPDHCP

Enables or disables DHCP mode on the AT-HDVS-200-TX. on = enables DHCP mode; off = disables DHCP mode; sta = displays the current setting. If this feature is disabled, then a static IP address must be specified for the AT-HDVS-200-TX. Refer to the IPStatic command for more information.

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 starting a Telnet session on the AT-HDVS-200-TX. If this feature is set to on, then the AT-HDVS-200-TX will prompt for both the username and password. Use the same credentials as the web GUI. on = login credentials required; off = no login required; sta = displays the current setting.

Syntax	
IPLogin X	

Parameter	Description	Range
X	Value	on, off, sta

Example
IPLogin off

Feedback
IPLogin off

IPPort

Sets the Telnet listening port for the AT-HDVS-200-TX. Use the sta argument to display the current port setting.

Syntax	
IPPort X	

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

Example
IPPort 23

Feedback
IPPort 23

IPStatic

Sets the static IP address, subnet mask, and gateway (router) address of the AT-HDVS-200-TX. Before using this command, DHCP must be disabled on the AT-HDVS-200-TX. 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 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 Telnet session is automatically closed.

Syntax
IPTimeout X

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

Example
IPTimeout 300

Feedback
IPTimeout 300

LRAUD

Enables or disables the L/R audio output. on = enables L/R audio out, off = disables L/R audio out, sta = displays the current setting.

Syntax
LRAUD X

Parameter	Description	Range
X	Value	on, off, sta

Example
LRAUD off

Feedback
LRAUD off

Mreset

Resets the AT-HDVS-200-TX to factory-default settings.

Syntax
MReset

This command does not require any parameters

Example
Mreset

Feedback
Mreset

PictureRst

Resets the picture settings to factory-default settings. This command does not reset the unit to factory-default settings. Refer to the Mreset command for more information.

Syntax
PictureRst

This command does not require any parameters

Example
PictureRst

Feedback
PictureRst

PrefTimg

Sets the preferred input timing. Specify a value from 0 to 8.

Syntax
PrefTimg X

Parameter	Description	Range
X	Timing	0 ... 8

Input Timing List
0 = Native
1 = 1280x800
2 = 1920x1080
3 = 1024x768

4 = 1280x1024
5 = 1920x1200
6 = 1366x768
7 = 1600x900
8 = Native

Example
PrefTimg 3

Feedback
PrefTimg 3

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, sta

Example
ProjWarmUpT 120

Feedback
ProjSWMode 120

RS232para

Sets the baud rate, data bits, parity bit, and stop bits for the **RS-232** port on the AT-HDVS-200-TX. 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
RS232para[W,X,Y,Z]

Parameter	Description	Range
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
RS232para[115200,8,0,1]
RS232para sta

Feedback
RS232para[115200,8,0,1]
RS232para[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 specifing the command argument. The command line must not contain any spaces.

Syntax
RS232zone[X]

Parameter	Description	Range
X	Command	String

Example
RS232zone[command]

Feedback
RS232zone[command]

RxRSparaZ

Sets the baud rate, data bits, parity bit, and stop bits for the **RS-232 1** port on the AT-HDVS-200-RX. Parameter V must be set to 1. Each argument must be separated by a comma; no spaces are permitted. Brackets must be used when specifing the arguments. Use the sta argument, *without brackets and including a space*, to display the current settings.

Syntax
RxRSparaZV[W,X,Y,Z]

Parameter	Description	Range
V	Port	1
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
RxRSparaZ1[115200,8,0,1]
RxRSparaZ1 sta

Feedback
RxRSparaZ1[115200,8,0,1]
RxRSparaZ1[115200,8,0,1]

SATRT

Sets the picture color saturation value. Use 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

SetCmd

Assigns an RS-232 or IP command to the specified button on the front panel.

Syntax
SetCmd X[Y]

Parameter	Description	Range
X	Button	on, off, vol+, vol-, mute
Y	Command	Command string

Example
SetCmd mute[Select]

Feedback
SetCmd mute[Select]

SetEnd

Sets the end-character of the specified command. Refer to the RS-232 / IP Commands (page 25) section for more information.

Syntax
SetEnd X[Y]

Parameter	Description	Range
X	Command	on, off, vol+, vol-, mute, fbkon, fbkoff, 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 verification state. on = the AT-HDVS-200-TX will make four attempts to send the command. If the feedback string is not acknowledged after the fourth attempt, the process will fail. off = sends the command and ignores the feedback string. Use the sta argument to display the current setting.

Syntax
SetFbVerify X

Parameter	Description	Range
X	Value	on, off, sta

Example
SetFbVerify on

Feedback
SetFbVerify on

SetStrgType

Sets the type of command string. Use 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

SHARP

Sets the picture sharpness. Use the sta argument to display the current setting.

Syntax
SHARP X

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

Example
SHARP 70

Feedback
SHARP 70

System

Displays system information about the AT-HDVS-200-TX. The sta argument must be specified.

Syntax
System X

Parameter	Description	Range
X	Status	sta

Example
System sta

Feedback
Model: AT-HDVS-200-TX
MAC Addr: b8-98-b0-00-10-e6
Address Type: DHCP
IP Addr: 10.0.1.161
Netmask: 255.255.255.0
Gateway: 10.0.1.1
HTTP Port: 80
Telnet Port: 23
Firmware: 1.1.28
On/Up Time <dd HH:mm:ss>: 00 00:53:31

TREBLE

Increases or 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

Trigger the specified command to the display using CEC.

Syntax
TrigCEC X

Parameter	Description	Range
X	Value	on, off, vol+, vol-, mute

Example
TrigCEC on

Feedback
TrigCEC on

TrigIP

Trigger the specified command to the display using IP.

Syntax
TrigIP X

Parameter	Description	Range
X	Value	on, off, vol+, vol-, mute

Example
TrigIP vol+

Feedback
TrigIP vol+

TrigRS

Trigger the specified command to the display using RS-232.

Syntax
TrigRS X

Parameter	Description	Range
X	Value	on, off, vol+, vol-, mute

Example
TrigRS vol-

Feedback
TrigRS vol-

Type

Displays the model information of the AT-HDVS-200-TX.

Syntax
Type

This command does not require any parameters

Example
Type

Feedback
AT-HDVS-200-TX

Update

Places the AT-HDVS-200-TX in firmware update mode. MCU = will update the MCU firmware, VSTX = update the Valens firmware.

When placing the unit in update mode, it is recommended that the Using USB (page 29) procedure, outlined under Updating the Firmware (page 29), be used. Executing this command can be used if the INPUT button is not functioning or

Syntax
Update X

Parameter	Description	Range
X	Value	MCU, VSTX

Example
Update MCU

Feedback
none

Version

Displays the current firmware version of the AT-HDVS-200-TX. Do not add a space between the X parameter and the command.

Syntax
VersionX

Parameter	Description	Range
X	Value	MCU, VSTX

Example
VersionMCU

Feedback
V1.1.28

VGAAuto

Executes the VGA auto-adjust. This command automatically adjusts the phase and clock of the VGA signal.

Syntax
VGAAuto

This command does not require any parameters

Example
VGAAuto

Feedback
VGAAuto

VGAPrefT

Sets the preferred VGA input timing. Specify a value from 0 to 8.

Syntax
PrefTimg X

Parameter	Description	Range
X	Timing	0 ... 8

Input Timing List
0 = Default
1 = 1280x800
2 = 1920x1080
3 = 1024x768

4 = 1280x720
5 = 1920x1200
6 = 1366x768
7 = 800x600
8 = 1600x900

Example
PrefTimg 3

Feedback
PrefTimg 3

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 ... 28, sta

Output Resolution List
0 = 800x600@60
1 = 1024x768@60
2 = 1280x800@60
3 = 1280x1024@60
4 = 1366x768@60
5 = 1400x1050
6 = 1600x900@60RB
7 = 1600x1200@60
8 = 1680x1050@60
9 = 1920x1200@60RB
10 = 720p25
11 = 720p29.97
12 = 720p30
13 = 720p50

14 = 720p59.94
15 = 720p60
16 = 1080i50
17 = 1080i59.94
18 = 1080i60
19 = 1080p23.98
20 = 1080p24
21 = 1080p25
22 = 1080p29.97
23 = 1080p30
24 = 1080p50
25 = 1080p59.94
26 = 1080p60
27 = Input
28 = Native

Example
VidOutRes 26

Feedback
VidOutRes 26

VolKeyOPT

Defines how the VOL button will be used to control a device. 0 = controls the volume using the HDVS, 1 = control using RS-232, 2 = control using IP. Use the sta argument to display the current setting.

Syntax	
VolKeyOPT	

Parameter	Description	Range
X	Value	0 ... 2, sta

Example
VolKeyOPT

Feedback
VolKeyOPT

VOUT

Increases or 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, execute the **VOUT** command without any arguments.

Syntax
VOUT

Parameter	Description	Range
X	Value	-80 ... 0

Example
VOUT 4
VOUT +

Feedback
VOUT 4
VOUT 5

VOUTMute

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

Syntax
VOUTMute X

Parameter	Description	Range
X	Value	on, off, sta

Example
VOUTMute on

Feedback
VOUTMute on

x?AVx1

Routes the specified input to the output.

Syntax
xYAVx1

Parameter	Description	Range
?	Input	1 ... 4

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