



4K/UHD Five-Input Universal Switcher with Wireless Presentation Link

Application Programming Interface
2.9.1

Version Information

Version	Release Date	Notes
1	Jan 2018	Initial release
2	Jan 2018	Added Display:Control:IP:Get and Display:Control:IP:Set commands
3	Mar 2018	Added Zone:SendCmd command
4	May 2018	Updated for 1.1.0
5	Jul 2018	Updated for 1.1.1
6	Oct 2018	Version 2.0.0; no new commands
7	Dec 2018	Version 2.2.0; no new commands
8	Mar 2019	Version 2.3.0; REST commands added; see page 4
9	May 2019	Version 2.4.0; new commands added: Display:Input:All:Get, GetHostName, Net:GetInfo, Audio:Volume:Set, Audio:Volume:Get, Moderator:Status:Get
10	Sep 2019	Works with firmware version 2.5.1; no changes to commands
11	May 2020	Added SetVol command
12	Nov 2020	Firmware 2.9.0; no new commands
13	Feb 2021	Firmware 2.9.1 - Added following commands: Input:Get Input:Set SetVol

Commands

The following is a list of Telnet commands for the AT-UHD-SW-510W. Commands are *not* case-sensitive. Do not change spacing or lettering. Each command is terminated with a carriage return. If the command fails or is entered incorrectly, then the feedback is “Unknown command”.



IMPORTANT: Each command must be terminated with a carriage-return (0x0d) and the feedback is terminated with a carriage-return and line-feed (0x0a). In addition, when sending multiple commands, at least 500 milliseconds should be specified between each command.

Telnet Commands

Command	Description
?	Lists all available commands
Audio:Mute:Get	Displays the muting state of the audio output
Audio:Mute:Set	Sets the muting state for HDMI or analog audio output
Audio:SetSource	Sets the external audio source to analog or digital
Audio:Volume:Decrease	Decreases the audio output level by the specified amount
Audio:Volume:Get	Displays the current audio output level
Audio:Volume:Increase	Increases the audio output level by the specified amount
Audio:Volume:Set	Sets the overall audio output level
Display:BYOD:Kick	Removes (“kicks”) the BYOD user from the AT-UHD-SW-510W
Display:Control:IP:Get	Displays the IP address and port of the remote IP device
Display:Control:IP:Set	Sets the IP address and port of the remote IP device
Display:Input:All:Get	Displays a list of all inputs and the current status
Display:Input:Get	Displays the active input
Display:Input:HDCP:State:Get	Displays the HDCP input status
Display:Input:HDCP:State:Set	Sets the HDCP state of the specified input
Display:Input:Set	Sets the active input
Display:Matrix:Get	Displays the input for the specified output
Display:Matrix:Mode:Get	Displays the Matrix Mode state
Display:Matrix:Mode:Set	Enables or disables Matrix Mode
Display:Matrix:Set	Routes the specified input to the desired output
Display:Minimal:Get	Gets the state of the output display
Display:Minimal:Set	Sets the state for the output display
GetHostName	Displays the hostname of the AT-UHD-SW-510W
Help	Displays information about the specified command
Input:Get	Returns the active input
Input:Set	Sets the active input
Instruments:Temperature:Get	Displays the internal temperature of the AT-UHD-SW-510W
Misc:Model:Get	Displays the model of AT-UHD-SW-510W
Misc:Version:Get	Displays the firmware version of the specified system
Misc:Versions:Get	Displays the firmware version of all systems
Moderator:Enable:Get	Returns the status for Moderator mode
Moderator:Enable:Set	Enable or disable Moderator mode
Moderator:Kick	Kicks the specified BYOD device from the AT-UHD-SW-510W

Command	Description
Moderator:Show	Sets the specified BYOD device ID for casting
Moderator:Status:Get	Displays the status of Moderator mode
Net:GetInfo	Displays information about the network interface.
OSD:State:Get	Displays the display state of the OSD
OSD:State:Set	Enable or disables the OSD
Platform:Reset	Resets the AT-UHD-SW-510W to factory-default settings
Platform:Restart	Reboots the AT-UHD-SW-510W
Platform:Shutdown	Shuts down (powers-off) the AT-UHD-SW-510W
Relay:State:Get	Displays the state of the relay
Relay:State:Set	Sets the relay state
SetVol	Sets the output volume
Zone:PortParams	Displays the settings for the specified zone
Zone:PortSetup	Sets the RS-232 settings for the specified zone
Zone:SendCmd	Sends a command to the specified zone

REST Commands

Command	Description
Net:WiFiFence:Get	Displays the current settings for the Net:WifiFence:Set command
Net:WiFiFence:Set	Kicks a user from the Access Point at the specified signal threshold
Net:WiFiStations:Kick	Kicks a user from the Access Point for the specified amount of time
System:MaintenanceTime:Get	Displays the display state of the OSD
System:MaintenanceTime:Set	Enable or disables the OSD

?

Displays a list of available commands. Note that the example feedback, below, is not a listing of all commands. To display help for a specific command, use the [Help](#) command.

Syntax

?

This command does not require any parameters

Example

?

Feedback

Commands Listing

```

-----
                ? - This list
                Help - More detailed help on a specific command
                Quit - End the session
                OutputMode - Change the output mode for all commands
                Misc:Model:Get - Returns model number of the device
                Misc:Version:Get - Returns version numbers for the various subsystems
                Misc:Versions:Get - Returns version numbers for the various subsystems
                Platform:Restart - Restarts the device
                Platform:Shutdown - Shutdown the device
                Platform:Reset - Factory Resets the device or certain subsystems
                Display:Minimal:Set - Turn the Display on / off [ 0 - 1 ]
                Display:Minimal:Get - Get the Display on / off
                Display:Set - Turn the Display on / off [ 0 - 1 ]
                Display:Get - Get the Display on / off
                Input:Get - Return the active input
                Input:Set - Changes the active input
                Display:Input:All:Get - Return the active inputs
                Display:Input:Get - Return the active input
                Display:Input:Set - Changes the active input
                Display:Input:HDCP:State:Get - Get the state of HDCP on an input on / off
                Display:Input:HDCP:State:Set - Turn HDCP on an input on / off
                ...
                ...
                ...

```

Audio:Mute:Get

Displays the muting status.

Syntax

```
Audio:Mute:Get
```

This command does not require any parameters

Example

```
Audio:Mute:Get
```

Feedback

```
{
  "result": {
    "outputmute": {
      "analog": false,
      "hdmi": true
    }
  },
  "methodreturn": "Audio:Mute:Get"
}
```

Audio:Mute:Set

Sets the muting for the HDMI or analog audio.

Syntax

```
Audio:Mute:Set X Y
```

Parameter	Description	Range
X	HDMI audio muting	true, false
Y	Analog audio muting	true, false

Example

```
Audio:Mute:Set hdmi true
```

Feedback

```
{
  "result": {
    "success": true
  },
  "methodreturn": "audio:mute:set hdmi true"
}
```

Audio:SetSource

Sets the external audio input source to analog or digital. When set to analog, audio from the 5-pin captive screw connector will be used. When set to digital, audio from the S/PDIF port will be used.

Syntax

```
Audio:SetSource X
```

Parameter	Description	Range
X	Source	analog, digital

Example

```
Audio:SetSource analog
```

Feedback

```
{
  "result": {
    "success": true
  },
  "methodreturn": "audio:setsources analog"
}
```

Audio:Volume:Decrease

Decreases the output volume by a specified amount. Values are measured in decibels.

Syntax

```
Audio:Volume:Decrease X
```

Parameter	Description	Range
X	Amount to decrease audio (in dB)	1 ... 80

Example

```
Audio:Volume:Decrease 20
```

Feedback

```
{
  "result": {
    "volume": -20,
    "success": true
  },
  "methodreturn": "audio:volume:decrease 20"
}
```

Audio:Volume:Get

Displays the current audio output level in decibels.

Syntax

```
Audio:Volume:Get
```

This command does not require any parameters

Example

```
Audio:Volume:Get
```

Feedback

```
Audio:Volume:Get {
  "result": {
    "volume": {
      "units": "dB",
      "value": 0
    }
  },
  "methodreturn": "Audio:Volume:Get"
}
```

Audio:Volume:Increase

Increases the output volume by a specified amount. Values are measured in decibels.

Syntax

```
Audio:Volume:Increase X
```

Parameter	Description	Range
X	Amount to increase audio (in dB)	1 ... 80

Example

```
Audio:Volume:Increase 25
```

Feedback

```
{
  "result": {
    "volume": 0,
    "success": true
  },
  "methodreturn": "audio:volume:increase 25"
}
```


Audio:Volume:Set

Sets the overall audio output level, in decibels.

Syntax

```
Audio:Volume:Set X
```

Parameter	Description	Range
X	Output level (in dB)	-80 ... 0

Example

```
Audio:Volume:Set -10
```

Feedback

```
{
  "result": {
    "success": true
  },
  "methodreturn": "audio:volume:set -10"
}
```

Display:BYOD:Kick

Removes ("kicks") the existing BYOD connection from the AT-UHD-SW-510.

Syntax

```
Display:BYOD:Kick
```

This command does not require any parameters

Example

```
Display:BYOD:Kick
```

Feedback

```
{
  "result": {
    "success": true
  },
  "methodreturn": "display:byod:kick",
  "jsonrpc": "2.0"
}
```

Display:Control:IP:Get

Displays the IP address and port of the remote IP device, such as a display.

Syntax

```
Display:Control:IP:Get
```

This command does not require any parameters

Example

```
Display:Control:IP:Get
```

Feedback

```
{
  "result": {
    "port": 23,
    "ip": "10.20.50.58"
  },
  "methodreturn": "display:control:ip:get",
  "jsonrpc": "2.0"
}
```

Display:Control:IP:Set

Sets the IP address and port of the remote IP device, such as a display. The IP address must be specified in dot-decimal notation.

Syntax

```
Display:Control:IP:Set X Y
```

Parameter	Description	Range
X	IP address of device	1 ... 254 (per byte)
Y	Port	0 ... 65535

Example

```
Display:Control:IP:Set 10.20.50.58 23
```

Feedback

```
{
  "result": {
    "success": true
  },
  "methodreturn": "display:control:ip:set 10.20.50.58 23",
  "jsonrpc": "2.0"
}
```

Display:Input:All:Get

Displays a list of all inputs and the current status. If an input is not active, false is returned. Otherwise, true is returned.

Syntax

```
Display:Input:All:Get
```

This command does not require any parameters

Example

```
Display:Input:All:Get
```

Feedback

```
{
  "result": {
    "0": {
      "status": false
    },
    "1": {
      "status": true
    },
    "2": {
      "status": false
    },
    "3": {
      "status": true
    },
    "4": {
      "type": "unknown",
      "status": false
    }
  },
  "methodreturn": "display:input:all:get",
  "jsonrpc": "2.0"
}
```

Display:Input:Get

Displays the active input. If no input is connected, then unknown is returned.

Syntax

```
Display:Input:Get
```

This command does not require any parameters

Example

```
Display:Input:Get
```

Feedback

```
{
  "result": {
    "input": 4,
    "type": "unknown"
  },
  "methodreturn": "display:input:get",
  "jsonrpc": "2.0"
}
```

Display:Input:HDCP:State:Get

Displays the HDCP status of the specified input.

Syntax

```
Display:Input:HDCP:State:Get X
```

Parameter	Description	Range
X	Input	0 ... 4

Example

```
Display:Input:HDCP:State:Get 0
```

Feedback

```
{
  "result": {
    "state": true
  },
  "methodreturn": "display:input:hdcp:state:get 0"
}
```

Display:Input:HDCP:State:Set

Sets the HDCP state on the specified input. When specifying the second argument, 0 = off, 1= on.

Syntax

```
Display:Input:HDCP:State:Set X Y
```

Parameter	Description	Range
X	The specified input	0 ... 4
Y	The HDCP state	0, 1

Example

```
Display:Input:HDCP:State:Set 0 1
```

Feedback

```
{
  "result": {
    "success": true
  },
  "methodreturn": "display:input:hdcp:state:set 0 1"
}
```

Display:Input:Set

Sets the active input.

Syntax

```
Display:Input:Set input X
```

Parameter	Description	Range
X	The specified input	0 ... 4

Example

```
Display:Input:Set 1
```

Feedback

```
{
  "result": {
    "activeinput": 0
  },
  "methodreturn": "display:input:set 0",
  "jsonrpc": "2.0"
}
```

Display:Matrix:Get

Displays the input for the specified output in Matrix Mode. Set the parameter to 0 to query the HDBaseT output or set to 1 to query the HDMI output.

Syntax

```
Display:Matrix:Get X
```

Parameter	Description	Range
X	The specified output	0, 1

Example

```
Display:Matrix:Get 1
```

Feedback

```
{
  "result": {
    "input": 4
  },
  "methodreturn": "display:matrix:get 1",
  "jsonrpc": "2.0"
}
```

Display:Matrix:Mode:Get

Displays the state of the matrix mode. If true, then Matrix Mode is enabled. Use the Display:Matrix:Mode:Set command to enable or disable Matrix Mode.

Syntax

```
Display:Matrix:Mode:Get
```

This command does not require any parameters

Example

```
Display:Matrix:Mode:Get
```

Returns

```
{
  "result": {
    "mode": true,
    "subtype": "MATRIX_MODE_STATIC"
  },
  "methodreturn": "display:matrix:mode:get",
  "jsonrpc": "2.0"
}
```

Display:Matrix:Mode:Set

Enables or disabled Matrix Mode. Set to 1 to enable Matrix Mode, set to 2 to enable Matrix Mode with static route, set or set value=0 to disable Matrix Mode.

Syntax

```
Display:Matrix:Mode:Set X
```

Parameter	Description	Range
X	State	0 ... 2

Example

```
Display:Matrix:Mode:Set 2
```

Returns

```
{
  "result": {
    "success": true
  },
  "methodreturn": "display:matrix:mode:set 2"
}
```

Display:Matrix:Set

Routes the specified input to the desired output. The arguments for the input parameter correspond to the following ports: 0 = USB-C (1), 1 = DP IN (2), 2 = HDMI IN (3), 3 = HDMI IN (4), 4 = BYOD. Set output=1 to use the HDMI output or set output=0 to use the HDBaseT output. If Matrix Mode is disabled, this command will return "Command Failure".

Syntax

```
Display:Matrix:Set X Y
```

Parameter	Description	Range
X	Input port	0 ... 4
Y	Output port	0, 1

Example

```
Display:Matrix:Set 0 0
```

Returns

```
{
  "result": {
    "success": true
  },
  "methodreturn": "Display:Matrix:Set 0 0",
  "jsonrpc": "2.0"
}
```

Display:Minimal:Get

Gets the state of the output display. If a display is not connected, then false will be returned.

Syntax

```
Display:Minimal:Get
```

This command does not require any parameters

Example

```
Display:Minimal:Get
```

Returns

on

Display:Minimal:Set

Sets the video and audio muting state of the output display. Set to 0 to mute both audio and video. Set this to 1 to cancel audio and video muting. If a display is not connected, then false will be returned.

Syntax

```
Display:Minimal:Set X
```

Parameter	Description	Range
X	State	0, 1

Example

```
Display:Minimal:Set 1
```

Returns

```
{  
  "result": {  
    "success": true  
  },  
  "methodreturn": "display:minimal:set 1"  
}
```


GetHostName

Displays the hostname of the AT-UHD-SW-510W. The hostname is the same string used in the **Derived** field, under the **General** tab, within the web interface. Refer to the User Manual for more information.

Syntax

```
GetHostName
```

This command does not require any parameters

Example

```
GetHostName
```

Returns

```
{
  "result": {
    "hostname": "sw510-d5d1"
  },
  "methodreturn": "gethostname"
}
```

Help

Displays additional information about the specified command.

Syntax

```
Help X
```

Parameter	Description	Range
X	Command name	--

Example

```
Help Display:Minimal:Set
```

Returns

```
Display:Minimal:Set <value>
value - 0 = off
       1 = on
```

Input:Get

Returns the active input. If no input is connected, then unknown is returned.

Syntax

```
Input:Get
```

This command does not require any parameters

Example

```
Input:Get
```

Feedback

```
{
  "result": {
    "input": 4,
    "type": "airplay"
  },
  "methodreturn": "input:get",
  "jsonrpc": "2.0"
}
```

Input:Set

Sets the active input.

Syntax

```
Input:Set X
```

Parameter	Description	Range
X	The specified input	0 ... 4

Example

```
Input:Set 1
```

Feedback

```
{
  "result": {
    "activeinput": 0
  },
  "methodreturn": "input:set 0",
  "jsonrpc": "2.0"
}
```

Instruments:Temperature:Get

Displays the internal temperature of the AT-UHD-SW-510W. If the units parameter is not specified, then the temperature will be displayed in Celsius. Specify c for Celsius, f for Fahrenheit, or k for Kelvin.

Syntax

```
Instruments:Temperature:Get X
```

Parameter	Description	Range
X	Units (optional)	c, f, k

Example

```
Instruments:Temperature:Get
```

Returns

```
{
  "result": {
    "scale": "Celcius",
    "value": 63
  },
  "methodreturn": "instruments:temperature:get"
}
```

Misc:Model:Get

Displays the model of the AT-UHD-SW-510W.

Syntax

```
Misc:Model:Get
```

This command does not require any parameters

Example

```
Misc:Model:Get
```

Returns

```
{
  "result": {
    "model": "AT-UHD-SW-510W"
  },
  "methodreturn": "misc:model:get"
}
```

Misc:Version:Get

Displays the hardware version of the AT-UHD-SW-510W. If no parameters are specified, then the master firmware version is returned.

Syntax

```
Misc:Version:Get X Y
```

Parameter	Description	Range
X	The master firmware version	master
Y	The MCU firmware version	mcu

Example

```
Misc:Version:Get mcu
```

Returns

```
{
  "result": {
    "version": {
      "mcu": "V1.1.05"
    }
  },
  "methodreturn": "misc:version:get mcu"
}
```

Misc:Versions:Get

Displays both the MCU and master firmware versions of the AT-UHD-SW-510W.

Syntax

```
Misc:Versions:Get
```

This command does not require any parameters

Example

```
Misc:Versions:Get
```

Returns

```
{
  "result": {
    "versions": {
      "mcu": "V1.1.05",
      "master": "2.2.0"
    }
  },
  "methodreturn": "misc:versions:get"
}
```

Moderator:Enable:Get

Displays the current status of Moderator mode. If Moderator Mode is disabled, then false is returned.

Syntax

```
Moderator:Enable:Get
```

This command does not require any parameters

Example

```
Moderator:Enable:Get
```

Returns

```
{
  "result": {
    "enable": true
  },
  "methodreturn": "moderator:enable:get",
  "jsonrpc": "2.0"
}
```

Moderator:Enable:Set

Enable or disable Moderator mode.

Syntax

```
Moderator:Enable:Set X
```

Parameter	Description	Range
X	State	0, 1

Example

```
Moderator:Enable:Set 1
```

Returns

```
{
  "result": {
    "success": true
  },
  "methodreturn": "moderator:enable:set 1"
}
{
  "jsonrpc": "2.0",
  "event": {
    "moderator": {
      "streams": [],
      "activeindex": -1,
      "enabled": true
    }
  }
}
```

Moderator:Kick

Kicks the specified BYOD ID from the system.

Syntax

```
Moderator:Kick X
```

Parameter	Description	Range
X	Client ID	Integer

Example

```
Moderator:Kick 2
```

Returns

```
{
  "result": {
    "success": true
  },
  "methodreturn": "Moderator:Kick 2"
}
```

Moderator:Show

Sets the active BYOD device ID for casting.

Syntax

```
Moderator:Show X
```

Parameter	Description	Range
X	Client ID	Integer

Example

```
Moderator:Show 2
```

Returns

```
{
  "result": {
    "success": true
  },
  "methodreturn": "Moderator:Show 2"
}
```

Moderator:Status:Get

Displays the current status of Moderator mode.

Syntax

```
Moderator:Status:Get
```

This command does not require any parameters

Example

```
Moderator:Status:Get
```

Returns

```
{
  "methodreturn": "moderator:status:get",
  "moderator": {
    "streams": [2],
    "activeindex": 1,
    "enabled": true
  },
  "jsonrpc": "2.0"
}
```

Net:GetInfo

Displays information about the network interface.

Syntax

```
Net:GetInfo
```

This command does not require any parameters

Example

```
Net:GetInfo
```

Returns

```
{
  "result": {
    "netinfo": {
      "eth0": {
        "mode": "dynamic",
        "txbytes": 173567004,
        "txpackets": 1667259,
        "netmask": "255.255.255.0",
        "ip": "10.20.200.83",
        "rxbytes": 295672822,
        "mac": "00:1e:06:34:d5:d1",
        "rxpackets": 4087005
      }
    }
  },
  "methodreturn": "net:getinfo"
}
```

OSD:State:Get

Displays the current state of the OSD. If the OSD is not displayed, then false is returned.

Syntax

```
OSD:State:Get
```

This command does not require any parameters

Example

```
OSD:State:Get
```

Returns

```
{
  "result": {
    "state": true
  },
  "methodreturn": "osd:state:get"
}
```

OSD:State:Set

Enables or disables the OSD overlay.

Syntax

```
OSD:State:Set X
```

Parameter	Description	Range
X	State	0, 1

Example

```
OSD:State:Set 1
```

Returns

```
{
  "result": {
    "success": true
  },
  "methodreturn": "osd:state:set 1"
}
```


Platform:Reset

Resets the AT-UHD-SW-510W to factory-default settings. Network settings are preserved, unless otherwise specified by the second parameter. This parameter is optional.

Syntax

```
Platform:Reset X Y
```

Parameter	Description	Range
X	System	all
Y	Network system (optional)	network

Example

```
Platform:Reset all
```

Returns

```
{
  "result": {
    "success": true
  },
  "jsonrpc": "2.0"
}
```

Platform:Restart

Reboots the AT-UHD-SW-510W.

Syntax

```
Platform:Restart
```

This command does not require any parameters

Example

```
Platform:Restart
```

Returns

```
{
  "result": {
    "success": true
  },
  "jsonrpc": "2.0"
}
```

Platform:Shutdown

Shuts down the power to the AT-UHD-SW-510W. This command should be performed before disconnecting the power from the unit.

Syntax

```
Platform:Shutdown
```

This command does not require any parameters

Example

```
Platform:Shutdown
```

Returns

```
{
  "result": {
    "success": true
  },
  "jsonrpc": "2.0"
}
```

Relay:State:Get

Displays the current state of the specified relay.

Syntax

```
Relay:State:Get X
```

Parameter	Description	Range
X	Relay number	0, 1

Example

```
Relay:State:Get 0
```

Returns

```
{
  "result": {
    "state": true
  },
  "methodreturn": "relay:state:get 0"
}
```

Relay:State:Set

Sets the state of the specified relay. The relay can be normally-open (NO) or normally-closed (NC).

Syntax

```
Relay:State:Set X Y
```

Parameter	Description	Range
X	Relay number	0, 1
Y	Relay state	0, 1

Example

```
Relay:State:Get 0 1
```

Returns

```
{
  "result": {
    "success": true
  },
  "methodreturn": "relay:state:set 0 1"
}
```

SetVol

Sets the output volume in decibels. Specify the sta argument to display the current volume level.

Syntax

```
SetVol X
```

Parameter	Description	Range
X	Level (dB)	-80 ... 0, sta

Example

```
SetVol -61
```

Returns

```
{
  "result": {
    "success": true
  },
  "methodreturn": "setvol -61"
}
```

Zone:PortParams

Returns the current RS-232 settings for the specified zone. 1 = RS-232 port; 2 = HDBaseT OUT port.

Syntax

```
Zone:PortParams zone
```

Parameter	Description	Range
zone	The zone to query	1, 2

Example

```
Zone:PortParams 1
```

Returns

```
{
  "result": {
    "zone": 1,
    "params": "[9600,8,0,1]"
  },
  "methodreturn": "zone:portparams 1"
}
```

Zone:PortSetup

Sets the RS-232 settings for the specified zone. 1 = RS-232 port; 2 = HDBaseT OUT port.

Syntax

```
Zone:PortSetup V W X Y Z
```

Parameter	Description	Range
V	The zone to assign settings to	1, 2
W	Baud rate	9600 ... 115200
X	Data bits	7, 8
Y	Parity bit	0, 1, 2
Z	Stop bit	1, 0

Example

```
Zone:PortSetup 1 19200 8 0 1
```

Returns

```
{
  "result": {
    "success": true
  },
  "methodreturn": "zone:portsetup 1 19200 8 0 1"
}
```

Zone:SendCmd

Sends an RS232 command to the specified zone. 1 = RS-232 port; 2 = HDBaseT OUT port.

Syntax

```
Zone:SendCmd X Y
```

Parameter	Description	Range
X	The zone to send to	1, 2
Y	Command	command

Example

```
Zone:SendCmd 1 vol+
```

Returns

```
{  
  "result": {  
    "success": true  
  },  
  "methodreturn": "zone:sendcmd 1 vol+"  
}
```

REST Commands

The following is a list of REST commands for the AT-UHD-SW-510W. Commands are case-sensitive and must be entered with the correct syntax. Do not change capitalization or spacing.

Net:WiFiFence:Get

Displays the current settings defined with the Net:WifiFence:Set command.

Syntax

```
Net:WiFiFence:Get
```

This command does not require any parameters

Example

```
http://[ip]API?method=Net:WiFiFence:Get
```

Feedback

```
{
  "result": {
    "duration": 2,
    "period": 5000,
    "success": true,
    "enable": false,
    "timethreshold": 60000,
    "threshold": -75
  },
  "jsonrpc": "2.0"
}
```

Net:WiFiFence:Set

Kicks a user from the Access Point if a designated WiFi signal (in decibels) threshold is reached.

Syntax

```
Net:WiFiFence:Set
```

Parameter	Description	Range
enable	Boolean value	true, false
period	Time (milliseconds)	5000 ... 60000
threshold	Decibel value	Integer
duration	Time (minutes)	Integer
timethreshold	Time (milliseconds)	Integer

Example

```
http://[ip]/API?method=Net:WiFiFence:Set&enable=false&period=5000&threshold=-20&duration=2&timethresho
ld=60000
```

Feedback

```
{
  "result": {
    "duration": 2,
    "period": 5000,
    "success": true,
    "enable": false,
    "timethreshold": 60000,
    "threshold": -20
  },
  "jsonrpc": "2.0"
}
```

Net:WiFiStations:Kick

Kicks a user with the specified MAC address from the Access Point for a specific amount of time.

Syntax

```
Net:WiFiStations:Kick
```

Parameter	Description	Range
mac	MAC address	MAC address
timeout	Time (minutes)	Integer

Example

```
http://10.20.200.115/API?method=Net:WiFiStations:Kick&mac=30:59:b7:0f:d6:cc&timeout=10
```

Feedback

```
{
  "result": {
    "success": true
  },
  "jsonrpc": "2.0"
}
```

System:MaintenanceTime:Get

Displays the date and time when the AT-UHD-SW-510W will be rebooted, as a maintenance procedure.

Syntax

```
System:MaintenanceTime:Get
```

This command does not require any parameters

Example

```
http://10.20.200.115/API?method=System:MaintenanceTime:Get
```

Feedback

```
{
  "result": {
    "sunday": true,
    "saturday": false,
    "tuesday": false,
    "enable": false,
    "timezone": "America/Los_Angeles",
    "next_maintenance": "2019-03-10T00:00:00.521-08:00",
    "wednesday": false,
    "thursday": false,
    "friday": false,
    "time": "00:00",
    "monday": false
  },
  "jsonrpc": "2.0"
}
```


System:MaintenanceTime:Set

Sets the date and time when the AT-UHD-SW-510W will be rebooted, as a maintenance procedure. Note that if a time is not specified, then the reboot procedure will take place at midnight (UTC).

Syntax

```
System:MaintenanceTime:Set
```

Parameter	Description	Range
enable	Boolean	true, false
hour	Military Time (hours)	0 ... 23
minute	Time (minute)	0 ... 59
day	Day	Monday ... Sunday

Example

```
http://[ip]/API?method=System:MaintenanceTime:Set&tuesday=false&monday=true&timezone=UTC
```

Feedback

```
{
  "result": {
    "sunday": false,
    "saturday": false,
    "tuesday": false,
    "enable": false,
    "timezone": "UTC",
    "next_maintenance": "2019-03-15T00:00:00.790Z",
    "wednesday": false,
    "thursday": false,
    "friday": false,
    "time": "00:00",
    "monday": true
  },
  "jsonrpc": "2.0"
}
```

