

# IP Power Strips

## HTTP Commands

The AP-S15IP, AP-S15HRIP, and AP-S158IP IP controlled power distribution strips have an integral web server which gives the ability to remotely control the outlet functions, as well as monitor voltage, current, wattage, frequency, temperature, and humidity levels. It also offers the ability to monitor the status of any faults via the network. Some customers may desire third-party control; this can be achieved through HTTP/1.1 POST and GET Commands.

### Commands: Post

API Post Commands			
Instructions: AtlasIED IP power strips can accept http post commands to control status of each power outlet. Command Structure: http://IP address/?Post Command=Parameter ( xxx.xxx.xxx.xxx/?xxxxx) All successful post commands will return a "Y" otherwise "N" <b>Note:</b> All post commands are case sensitive.			
Command Description	Set Command	Parameter	Example: 192.168.1.129/?sw1-1
Models AP-S15IP & AP-S158IP have 8 Programable Outlets Model AP-S15HRIP has 5 Programable Outlets - List reflects 8 positions			
Turn ON Outlet 1	sw1=1	1=ON	http://xxx.xxx.xxx.xxx/?sw1=1
Turn ON Outlet 2	sw2=1	1=ON	http://xxx.xxx.xxx.xxx/?sw2=1
Turn ON Outlet 3	sw3=1	1=ON	http://xxx.xxx.xxx.xxx/?sw3=1
Turn ON Outlet 4	sw4=1	1=ON	http://xxx.xxx.xxx.xxx/?sw4=1
Turn ON Outlet 5	sw5=1	1=ON	http://xxx.xxx.xxx.xxx/?sw5=1
Turn ON Outlet 6	sw6=1	1=ON	http://xxx.xxx.xxx.xxx/?sw6=1
Turn ON Outlet 7	sw7=1	1=ON	http://xxx.xxx.xxx.xxx/?sw7=1
Turn ON Outlet 8	sw8=1	1=ON	http://xxx.xxx.xxx.xxx/?sw8=1
Turn OFF Outlet 1	sw1=0	0=OFF	http://xxx.xxx.xxx.xxx/?sw1=0
Turn OFF Outlet 2	sw2=0	0=OFF	http://xxx.xxx.xxx.xxx/?sw2=0
Turn OFF Outlet 3	sw3=0	0=OFF	http://xxx.xxx.xxx.xxx/?sw3=0
Turn OFF Outlet 4	sw4=0	0=OFF	http://xxx.xxx.xxx.xxx/?sw4=0
Turn OFF Outlet 5	sw5=0	0=OFF	http://xxx.xxx.xxx.xxx/?sw5=0
Turn OFF Outlet 6	sw6=0	0=OFF	http://xxx.xxx.xxx.xxx/?sw6=0
Turn OFF Outlet 7	sw7=0	0=OFF	http://xxx.xxx.xxx.xxx/?sw7=0
Turn OFF Outlet 8	sw8=0	0=OFF	http://xxx.xxx.xxx.xxx/?sw8=0
Reset Ethernet Port	SIPreboot	none	http://xxx.xxx.xxx.xxx/?SIPreboot
AP-S15HRIP		AP-S15IP / AP-S158IP	
sw1 => n/a		sw1 => outlet 1	
sw2 => n/a		sw2 => outlet 2	
sw3 => n/a		sw3 => outlet 3	
sw4 => outlet 1		sw4 => outlet 4	
sw5 => outlet 2		sw5 => outlet 5	
sw6 => outlet 3		sw6 => outlet 6	
sw7 => outlet 4		sw7 => outlet 7	
sw8 (fan) => outlet 5		sw8 (fan) => outlet 8	

## Commands: Get

<b>Get Command - Device Settings</b>	
<p>Description: This Get command will supply the devices settings for Voltage, Current, Humidity Alarms, Fan, Sequence Delay Settings and Outlet Names.            Instructions: AtlasIED IP power strips can accept http post commands to control status of each power outlet.            Command Structure: http://IP address/?Get Command (xxx.xxx.xxx.xxx/?xxxxx)</p> <p><b>Note:</b> All get commands are case sensitive.</p>	
Command Structure	IP address/?Get Command (xxx.xxx.xxx.xxx/?xxxxx) Example: 192.168.1.129/?Settings
	Example Report <pre> &lt;RT&gt; &lt;ver&gt;V2.a&lt;/ver&gt; &lt;alarmC&gt;000&lt;/alarmC&gt; &lt;tempS&gt;100&lt;/tempS&gt; &lt;humiS&gt;80&lt;/humiS&gt; &lt;currS&gt;15&lt;/currS&gt; &lt;UVP&gt;88&lt;/UVP&gt; &lt;OVP&gt;132&lt;/OVP&gt; &lt;alarmV&gt;0&lt;/alarmV&gt; &lt;plug0&gt;AP-S15IP&lt;/plug0&gt; &lt;sw10&gt;Outlet 1&lt;/sw10&gt; &lt;sw20&gt;Outlet 2&lt;/sw20&gt; &lt;sw30&gt;Outlet 3&lt;/sw30&gt; &lt;sw40&gt;Outlet 4&lt;/sw40&gt; &lt;sw50&gt;Outlet 5&lt;/sw50&gt; &lt;sw60&gt;Outlet 6&lt;/sw60&gt; &lt;sw70&gt;Outlet 7&lt;/sw70&gt; &lt;sw80&gt;Outlet 8&lt;/sw80&gt; &lt;tempU&gt;F&lt;/tempU&gt; &lt;podC&gt;1&lt;/podC&gt; &lt;podseq&gt;0&lt;/podseq&gt; &lt;podelay&gt;1&lt;/podelay&gt; &lt;fanC&gt;0&lt;/fanC&gt; &lt;fanMax&gt;110&lt;/fanMax&gt; &lt;fanMin&gt;90&lt;/fanMin&gt; &lt;MAC&gt;40D85510D06A&lt;/MAC&gt; &lt;disMod&gt;0&lt;/disMod&gt; &lt;/RT&gt;           </pre>

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## Commands: Get

Get Command - Device Settings		
WEB Readout	Function	Reading Meaning
<ver>V2.a</ver>	Version	
<alarmC>000</alarmC>	Alarm Setting 1 = Enabled, 0 = Disabled	No Alarms Have Been Enabled
<tempS>100</tempS>	Temperature Alarm Setting	Alarm Setting for Temperature is 100°F
<humiS>80</humiS>	Humidity Alarm Setting	Alarm Setting for Humidity is 80%
<currS>15</currS>	AC Mains Current Draw Alarm Setting	Alarm Setting for Max AC Mains Current Draw is 15A
<UVP>88</UVP>	AC Mains Under Voltage Protection Setting	Alarm Setting for AC Mains Dropping Below 88V
<OVP>132</OVP>	AC Mains Over Voltage Protection Setting	Alarm Setting for AC Mains Rises Above 132V
<alarmV>0</alarmV>	Voltage Protection Alarm Reset Setting	Alaram Reset 0 = Auto, 1 = Manual
<sw10>Outlet 1</sw10>	Outlet 1 Name	Outlet 1 name is "Outlet 1"
<sw20>Outlet 2</sw20>	Outlet 2 Name	Outlet 2 name is "Outlet 2"
<sw30>Outlet 3</sw30>	Outlet 3 Name	Outlet 3 name is "Outlet 3"
<sw40>Outlet 4</sw40>	Outlet 4 Name	Outlet 4 name is "Outlet 4"
<sw50>Outlet 5</sw50>	Outlet 5 Name	Outlet 5 name is "Outlet 5"
<sw60>Outlet 6</sw60>	Outlet 6 Name	Outlet 6 name is "Outlet 6"
<sw70>Outlet 7</sw70>	Outlet 7 Name	Outlet 7 name is "Outlet 7"
<sw80>Outlet 8</sw80>	Outlet 8 Name	Outlet 8 name is "Outlet 8"
<tempU>F</tempU>	Temperature in Fahrenheit or Celsius	>F< Fahrenheit Temperature
<podC>1</podC>	Not Applicable	Not Applicable
<podseq>0</podseq>	Not Applicable	Not Applicable
<podelay>1</podelay>	Outlet Sequece Delay	>1< Means 1 Second Sequence Delay
<fanC>0</fanC>	Dedicated Outlet 5 for AP-S15HRIP, Outlet 8 for AP-S15IP & AP-S158IP for AC Fan	>0< = Disabled, >1< = Enabled
<fanMax>110</fanMax>	Fan ON Ambient Temperature Setting	>110< is the ON Temperature of the Outlet 5 or 8
<fanMin>90</fanMin>	Fan OFF Ambient Temperature Setting	>90< is the OFF Temperature of the Outlet 5 or 8
<MAC>40D85510D074</MAC>	Unit's MAC Address	Unit's MAC Address
<disMod>0</disMod>	Not Applicable	Not Applicable

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## Commands: Get

Get Command - Device Status	
<p>Description: This Get command will supply the status of the device outlets On or Off, Voltage, Current, Watts, Group Enabled, Panel SW, Volts Status</p> <p>Instructions: AtlasIED IP power strips can accept http post commands to control status of each power outlet.</p> <p>Command Structure: http://IP address/?Get Command (xxx.xxx.xxx.xxx/?xxxxx)</p> <p><b>Note:</b> All get commands are case sensitive.</p>	
Command Structure	<p>IP address/?Get Command (xxx.xxx.xxx.xxx/?xxxxx) Example: 192.168.1.129/?Status</p>
	<p>Example Report</p> <pre> &lt;RT&gt; &lt;FW&gt;FW_AP-S158IP_V1.12&lt;/FW&gt; &lt;type&gt;AP-S15IP&lt;/type&gt; &lt;sw1&gt;1&lt;/sw1&gt; &lt;sw2&gt;1&lt;/sw2&gt; &lt;sw3&gt;1&lt;/sw3&gt; &lt;sw4&gt;1&lt;/sw4&gt; &lt;sw5&gt;1&lt;/sw5&gt; &lt;sw6&gt;1&lt;/sw6&gt; &lt;sw7&gt;1&lt;/sw7&gt; &lt;sw8&gt;1&lt;/sw8&gt; &lt;temp&gt;81.5&lt;/temp&gt; &lt;humi&gt;19.7&lt;/humi&gt; &lt;alarm&gt;0000&lt;/alarm&gt; &lt;ACfault&gt;0&lt;/ACfault&gt; &lt;volt&gt;119.0&lt;/volt&gt; &lt;curr&gt;0.0&lt;/curr&gt; &lt;watt&gt;0.00&lt;/watt&gt; &lt;pf&gt;0.00&lt;/pf&gt; &lt;freq&gt;60.1&lt;/freq&gt; &lt;poding&gt;0&lt;/poding&gt; &lt;GROUP&gt;1&lt;/GROUP&gt; &lt;PANEL&gt;1&lt;/PANEL&gt; &lt;VOLTSTATUS&gt;0&lt;/VOLTSTATUS &gt; &lt;/RT&gt;                     </pre>

## Commands: Get

Get Command - Device Status		
WEB Readout	Function	Reading Meaning
<FW>FW_AP-S158IP_V1.12</FW>	Firmware	Firmware Version AP-S158 V1.12
<type>AP-S158IP</type>	Model	Model AP-S158IP
<sw1>1</sw1>	Outlet 1 Status, 1 = ON, 2 = OFF	Outlet 1 is ON
<sw2>1</sw2>	Outlet 2 Status, 1 = ON, 2 = OFF	Outlet 2 is ON
<sw3>1</sw3>	Outlet 3 Status, 1 = ON, 2 = OFF	Outlet 3 is ON
<sw4>1</sw4>	Outlet 4 Status, 1 = ON, 2 = OFF	Outlet 4 is ON
<sw5>1</sw5>	Outlet 5 Status, 1 = ON, 2 = OFF	Outlet 5 is ON
<sw6>1</sw6>	Outlet 6 Status, 1 = ON, 2 = OFF	Outlet 6 is ON
<sw7>1</sw7>	Outlet 7 Status, 1 = ON, 2 = OFF	Outlet 7 is ON
<sw8>1</sw8>	Outlet 8 Status, 1 = ON, 2 = OFF	Outlet 8 is ON
<temp>71.0</temp>	Ambient Sensor Temperature	71° Temperature in Fahrenheit
<humi>50.3</humi>	Ambient Sensor Humidity	50.3% Relative Humidity
<alarm>0000</alarm>	Alarm Status	No Alarms Activated
<ACfault>0</ACfault>	AC Fault	No AC Fault Activated
<volt>116.9</volt>	AC Mains Input Volts	116.9 AC Mains Incoming Voltage
<curr>5.41</curr>	AC Mains Current Draw	5.41A AC Mains Current Draw
<watt>43.08</watt>	AC Mains Watts Draw	43.08 Watts AC Mains Power Draw
<pf>0.69</pf>	Units Power Factor	0.69 is the Unit's Efficiency Power
<freq>59.9</freq>	AC Voltage Operating Frequency	North America uses 60Hz
<poding>0</poding>	Non Applicable	Non Applicable
<GROUP>1</GROUP>	Non Applicable	Non Applicable
<PANEL>1</PANEL>	Front Panel Switches Enabled / Disabled	1 = Enabled, 0 = Disabled
<VOLTSTATUS>0</VOLTSTATUS>	Non Applicable	Non Applicable

## Commands: Get

Get Command - Unit Time	
<b>Example:</b> This is a Get Command to view the device's current time	
Command Structure	192.168.1.129/?TIME_Nowt
	Example Report
	<pre>&lt;RT&gt; &lt;TIME&gt;2020/6/3 12:21:21&lt;/TIME&gt; &lt;/RT&gt;</pre>
NCTTime	>2020/5/15 10:31:41<