






Auto-Ping  is an automatic system for rebooting [IP](#) equipment without human intervention. Auto-Ping  works by cycling power when a device becomes unresponsive to [IP pings](#).

To use Auto-Ping , first add an IP address. Next, link that IP address to one or more outlets. Timing settings must also be considered.

Adding an IP Address to Auto-Ping

After entering the IP address, the settings page will refresh and you can select the outlets associated with this address. Use the checkboxes in the Auto-Ping  section to correlate the IP address to one or more outlets. If communications to the IP address is lost, these outlets will be rebooted. Four timing settings control Auto-Ping  operation:

Time between pings

This is the time between each "ping" check of the IP address. 60 seconds should be useful for most applications.

Ping failures before reboot

This sets the number of failed communications attempts that must be sequentially detected before a system is rebooted. For example, when set to 5, the target system must fail to respond 5 times in a row before it is rebooted. Since occasional network overloads and missed packets can occur during normal network operation, a number between 5 and 10 pings is recommended.

Times to Attempt Reboot

If you have an unreliable target device, limit the number of times it will be rebooted by entering that value here. For example, entering 5 will reboot your server up to 5 times before giving up.

Device Reboot Delay

After rebooting a device with a cold-boot power-off, a waiting period should occur before the IP address is re-checked by AutoPing. This delay allows the device to reboot. Windows and Linux servers can force automatic file system checks which may take several minutes to complete. Enter a safe value To allow for this, enter a time delay in the Device Reboot Delay period. For example, a reasonable value for a typical Windows server might be 10 minutes (600 seconds). Entering 600 would cause the power controller to start checking the server for normal operation 10 minutes after reboot.

Starting Auto-Ping

After checking the timing settings for safety, first check the box to the left of the IP address. Next click the green checkbox button to start Auto-Ping. To ensure a reliable connection exists, Auto-Ping will only be enabled after 10 successful ping cycles (unless otherwise configured.)

Controller: Ethernet Power Controller II
17:49:44 2010/02/02

AutoPing **LICENSED**

IP	Reboot outlets								Script	Action	Stats		
	1	2	3	4	5	6	7	8			TX	RX	HIT
<input type="checkbox"/> 192.168.0.100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	52	42	1

Add IP Address to AutoPing

IP Address

AutoPing Properties

Time between pings:	<input type="text" value="120"/>	seconds. (5-3600)
Ping failures before reboot:	<input type="text" value="5"/>	pings. (1-255)
Ping responses to enable autoping:	<input type="text" value="10"/>	pings. (0-100)
Times to attempt reboot:	<input type="text" value="1"/>	tries. (1-255)
Device reboot delay:	<input type="text" value="300"/>	seconds. (1-3600)

Stopping Auto-Ping

To stop Auto-Ping operation, uncheck the checkbox to the left of the IP address and click the green OK button to apply.

Adding a Second IP (Joining)

You can also add a secondary IP address to Auto-Ping. For example, you might want to monitor two Internet servers. If both servers are inaccessible, you may want to restart a router. After entering the first IP address, a + icon appears. Click this button to link multiple IPs. Use the red x button to remove an Auto-Ping target IP.

Starting a Script from Auto-Ping

Auto-Ping can trigger execution of a user-defined [script](#). Enter the line number of the script to the right of the IP address. This is handy where you need to bring equipment up in sequence after a restart. For example, you might want to start a router first, then a file server.

Starting Auto-Ping on Power-Up

You can use a user-defined [script](#) to start Autoping. For example:

- 1 AUTOPING N
- 2 SLEEP 3600
- 3 GOTO 1

will start autoping on power-up (line 1 starts on power-up), then re-enable autoping every hour. The requirement for 10 successful sequential pings before startup applies.

Stats

The statistics box reports the number of pings transmitted, received, and ping "hits".