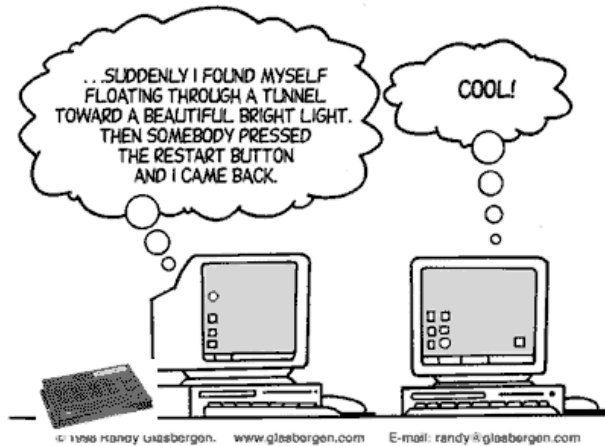


# How to Enable Auto-Ping



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

Add

### AutoPing Properties

Time between pings:  seconds. (5-3600)

Ping failures before reboot:  pings. (1-255)

Ping responses to enable autoping:  pings. (0-100)

Times to attempt reboot:  tries. (1-255)

Device reboot delay:  seconds. (1-3600)

Apply

## 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".