# The Power Stone® User Guide v.9*

*IMPORTANT: This manual is applicable to Power Stone units with serial numbers starting 27819 and greater. All serial #'s below 27819 will continue to reference the original Power Stone manual.*

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**When using your telephone/electrical power equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:**
1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning. Let dry thoroughly before plugging device back into 120 Volt outlet.
4. Do not use this product near water, for example, near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool. Do not use this product outdoors.
5. Do not place this product on an unstable cart, stand, or table. The product may fall causing serious damages to the product.
6. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should be operated only from the type of power source indicated on the marking label If you are not sure of the type of power supply to your home, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord to phone lines connected to locate this product where the cord will be abused by persons walking on it.
9. Do not overload wall outlets and extension cords as this can result in the risk of fire or shock.
10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
11. To reduce the risk of electric shock, do not disassemble this product, but take it to a qualified serviceperson when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
12. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    A) When a power supply cord/plug or phone line cord connected to the product is damaged or frayed.
    B) If liquid has been spilled into the product, but it is thoroughly dried out.
    C) If the product has been exposed to rain or water, but it is thoroughly dried out.
    D) If the product does not operate normally by following the operating instructions, adjust only those controls that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
    E) If the product has been dropped or the cabinet has been damaged.
    F) If the product exhibits a distinct change in performance.
13. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
14. Do not use the telephone to report a gas leak in the vicinity of the leak.
15. Do not touch or attempt to unplug this product from the wall outlet if:
    A) Liquid has been spilled into the product and it is wet or suspected to be wet.
    B) The product has been exposed to rain or water and it is wet or suspected to be wet.

## INSTALLATION INSTRUCTIONS

1. Never install telephone wiring during a lightning storm.
2. Never install telephone jacks in wet locations unless the jack is specially designed for wet locations.
3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
4. Use caution when installing or modifying telephone lines.

## SAVE THESE INSTRUCTIONS

The Power Stone is a call-activated "power control" call processor that can perform a number of functions relating to the supply of 120 Volt power to your selected equipment. This feature-rich power controller enables you to power up, power down, or interrupt power to your equipment (up to 15 Amps at 120 Volts) through a single phone line - either with its automatic operation capability or by manually inputting commands through the phone line (in the form of touchtones) from a telephone. ***NOTE: Factory default programming is Auto-Reboot after 8 rings***

**Plugging Into 120 Volt Power -** On the backside of The Power Stone, there are three metallic "blades" which look like the 120 Volt electrical blades found on any standard electrical plug. These blades are standard size and are designed to plug into any standard grounded 120 Volt electrical wall outlet, extension cord or power strip. The key word here is "grounded". For maximum protection to you and your equipment, only plug The Power Stone into grounded wall outlets, extension cords or power strips.

**Safety Tip**: If you use an extension cord, be sure it is capable of safely carrying the current required by your load.

**Connecting To The Phone Line -** You will find, on the left side of the Power Stone (as you look at the face of the unit), a 2 port RJ-11 telephone line receptacle. One port is labeled "LINE". Take the supplied modular telephone line cord and plug one end into the "LINE" port. Plug the other end into the telephone wall jack. The Power Stone is now connected to the phone line. The other port labeled "DEVICE" allows you to connect any "telephone" equipment (fax machine, modem, PC fax/modem card, telephone, answering machine, etc.) through The Power Stone to the phone line. When an inbound call "rings" in to your location, The Power Stone will pass the ring voltage through to the equipment connected to the port labeled "DEVICE". When you are ready to program The Power Stone on site. You will be required to plug a touchtone phone into the port labeled "DEVICE".

**Automatic Operation -** You can program The Power Stone to control power via one of three automatic operating modes, **"Power On Call", "Reboot" or "Toggle".** For Automatic Operation, you are also required to program the "Rings To Trip" and "Trip Time" features. Here is how "Rings To Trip" works. When a call rings into the location of The Power Stone your selected automatic operation will be activated or "tripped" when The Power Stone detects either "Less than the rings to trip value" or "The rings to trip value or more".  This is determined by the value of Register 02, "Trip Time".

**Passive Operation -** The Power Stone also has two passive operating modes, **"Passive On"** and **"Passive** Off", that totally ignore the "rings" of an inbound call while providing either no power (Passive Off) or constant power (Passive On) to your equipment. Either passive mode is useful when you do not want an inbound call to change the status of the power to your equipment.

## If You Want To Manually Control The Power Stone From A Remote Location
***NOTE: Must first program to MANUAL operation (see page 7)***
**Recommended Operating Modes** - Use "Passive Off' mode if you want equipment to be powered "off' until you call in to The Power Stone and manually turn it on. Use "Passive On" mode if you want equipment powered on until you call in to The Power Stone and manually turn it off.
**Recommended Programming** - A) "Rings To Trip" feature (regardless of setting) does not function when either passive mode is programmed- so don't worry about programming Rings To Trip"!
B) Before you can access The Power Stone's Manual Operating mode with your security code, something must first answer the phone line at the site. This can be accomplished with an answering machine connected to the phone line. If you don't own an answering machine, you can call The Power Stone and let it answer.  The number of rings in which the Power Stone will answer is determined by the value in REGISTER 10. The Power Stone will automatically answer, giving you an audible tone indicating the power status (refer to register #7 on page 7). At that time you have 10 seconds to enter your programming code.

**To Enter Manual Operating Mode And Turn Power ON To Your Equipment:**

1) The Power Stone or answering machine answers your inbound call.
2) You enter # # 8 8 on the touchtone phone - The Power Stone "bips" 3 times (Proceed).
3) At that time, you enter "011" ( 01 for Register 1 "Operating Modes" and 1 for "Passive On" mode.) The Power Stone "bee-bips" once (Info Accepted), then "bips" 3 times (Proceed).
4) We recommend that, while in Manual Operating mode, you "readback" any change to an operating mode AND the status of power supplied to your connected equipment before recording your programming and exiting manual operating mode. This is done by pressing *01 for "Operating Modes" Register 1 and *07 for "Power Status" Register 7
5) You press "80" on your touchtone key pad (Execute Programming). The Power Stone "beebips" twice. You hang up. Your equipment is now powered up.

**To Enter Manual Operating Mode And Turn Power OFF To Your Equipment:**

1) The Power Stone or answering machine answers your inbound call.
2) You enter # # 8 8 on the touchtone phone - The Power Stone "bips" 3 times (Proceed).
3) At that time, you enter "010" ( 01 for "Operating Modes" Register 1 and 0 for "Passive Off' mode.) The Power Stone "bee-bips" once (Info Accepted), then "bips" 3 times (Proceed).
4) We recommend that, while in Manual Operating mode, you "readback" any change to an operating mode AND the status of power supplied to your connected equipment before recording your programming and exiting manual operating mode. This is done by pressing *01 for "Operating Modes" Register 1 and *07 for "Power Status" Register 7.
5) You press "80" on your touchtone key pad. The Power Stone "bee-bips" twice. You hang up. Your equipment is now powered off.

**Helpful Tips:** Included with The Power Stone is a "Remote Programming/Readback Card" which is a handy reference when you want to control The Power Stone from a remote location. It eliminates the need to memorize register and feature numbers, gives you the command for "Audible Readback" of each register/feature and explains the meaning and numerical value of The Power Stone's "readback" "beeps".

**lf You Want To Call In From A Remote location And "Readback" Programming And Power Status.....**

**To Enter Manual Operating Mode And Readback Programming And Power Status To Your Equipment:**

1) The Power Stone or answering machine answers your inbound call.
2) You enter # # 8 8 on the touchtone phone - The Power Stone "bips" 3 times (Proceed).
3) At that time, you enter "*" with the appropriate register number.
4) There is a short pause followed by the register readback in the form of bips and/or beeps.
5) There is a short pause after the readback, then The Power Stone "bee-bips'* once (Info Accepted) followed by 3 "bips" (Proceed).
6) You may readback another register at this time, or
7) You press "80" on your touchtone key pad (saves programming). The Power Stone "beebips" twice (exit). Hang up.

Helpful Tip: You can also change Manual Operating mode. Dialing Operating mode. programming at any time before dialing "80"" to exit "80" saves programming to memory and exits Manual.

## Automatic Operating Modes

The Power Stone can be programmed to automatically control electrical power to your chosen equipment three different ways. Of course, your choice of operating mode is dependent on your application, but for now we'll keep it clean and talk about the different ways power can be manipulated automatically. Automatic operating modes, along with passive operating modes are selectable and reside in Register 01. ***NOTE: Factory default is Auto Reboot 8 rings***

**"Power On Call"**- This one's pretty cool for PC fax/modem and fax machine users who don't want to leave Office equipment powered-up 24 hours a day! In this operating mode, the Power Stone (when "tripped" by the appropriate number of rings, of course) will supply electrical power to equipment plugged into its 120 Volt receptacle for the duration of that phone call. When either party hangs up, i.e. the call is over, The Power Stone will power down that equipment within two minutes. Any incoming call detected during the two minute interval (after the previous caller has hung up) will continue the power up process for the duration of that call, plus an additional two minutes.

**"Reboot"**- You may want to temporarily interrupt power to selected equipment such as a "locked-up" PC or modem. In "Automatic Reboot" mode, electrical power is constantly supplied to equipment plugged into The Power Stone. When the appropriate number of rings is detected from an inbound call, The Power Stone will shut off supplied power for a minimum of 15 seconds. We say a minimum of 15 seconds, because The Power Stone begins the 15 second timing period after the caller stops ringing the phone. After the timed 15 second period, The Power Stone will restore power to your connected equipment.

**"Toggle"**- In this operating mode, The Power Stone will "toggle" or switch the power supplied to your equipment when each subsequent inbound call is detected. For instance, you have your living room light plugged into The Power Stone. If the lamp is currently off, an incoming call will toggle the lamp on. The next call will toggle it off again.

## "Rings To Trip" Feature

The Power Stone will perform any of three selected power operations (Automatic Operating Modes) automatically when detecting ring voltage (as a number of rings) over the phone line from an inbound call. The number of rings to "trip" your selected Automatic Operating Mode is determined by Register 9.

## "Trip Time" Feature

1) **Less than Rings to Trip** - If The Power Stone detects less than the rings to trip value (Register 9) from an inbound call, it will automatically perform the operating mode you have programmed. In this option, if The Power Stone detects the rings to trip value (Register 9) or more rings, it will not be "tripped"; therefore no automatic operation will occur.

2) **More than Rings to Trip** - Upon detecting a minimum of the rings to trip value (Register 9) on an inbound call, The Power Stone will perform its automatic operating mode. If it detects less than the rings to trip value (Register 9), it will not be "tripped" and no automatic operation will occur.

**Good Stuff To Know...** Remember that the "Rings To Trip" feature option will only "trip" an automatic operating mode. In other words, it will only work when programmed in conjunction with one of the three selectable automatic operating modes (see page 9 for an in-depth explanation). "Passive" Operating Modes (Passive On and Passive Off ignore, or are passive to, all inbound call rings and control power without interference from inbound calls. See page 10 for info about "Passive" Operating Modes.

The "Rings To Trip" feature does not cause The Power Stone to answer a call, nor does it require a telephone device to go off-hook (answer the phone line) to perform its function. This means that you do not incur an extra long distance phone charge when calling in to "trip" The Power Stone from a remote location. All you have to do is "ring" The Power Stone with the appropriate number of rings and hang up the phone.

## "Distinctive Ring" Cadence Detection Feature

Not only does The Power Stone give you a choice of two settings for the number of rings to "trip" your selected automatic operating mode, but you can also select the type of "ring cadence" The Power Stone will react to. Register 03 contains the three selectable "ring cadence" detect settings.

### About The "Distinctive Ring" Service

Your local phone company offers a service called "Distinctive Ringing" which allows you to have multiple phone numbers on a single phone line. Each phone number, when dialed, will ring your phone with a specific "Distinctive" ring cadence. Your original phone number rings with a single "long" ring cadence your second phone number would ring with a two short ring burst and a third number rings a 3 time burst (a combination of one long and two short bursts).

### How The Power Stone Works With "DR" Service

The Power Stone can be programmed to detect any one of the three standard "Distinctive Ring" cadences transmitted by your local phone company. The ring cadences you have selected will be the only cadence The Power Stone will recognize. All other ring cadences will be ignored. In addition, regardless of the ring cadences setting, the appropriate number of inbound rings will have to be detected before The Power Stone will perform automatically.

### Passive Operating Modes

**"Passive On"** - When programmed in the "Passive On" mode, The Power Stone will supply uninterrupted power to connected equipment, regardless of inbound call activity. Basically, "Passive On" mode ignores all inbound rings, regardless of the "Rings To Trip" feature setting. This mode is used when you do not want an inbound call to interrupt your power to a connected device.

**"Passive Off"**- When in this operating mode, The Power Stone does exactly what the feature name implies-'it NEVER supplies power to equipment regardless of inbound call activity. "Always Off" ignores all inbound rings and will not supply power to equipment connected to The Power Stone.

### Helpful Tips

The reason for providing you with these two "passive " modes is this - SECURITY. If your PC/modem is connected to the phone line through The Power Stone, outside access by callers is denied when The Power Stone is in the "Passive Off' operating mode. The PC/modem won't answer the line because the PC isn't receiving power. Only you can call in and turn your PC on. Just call in and when a voice telephone device goes off-hook, like your answering machine (or The Power Stone goes off-hook after 15 rings), enter your security access code. Now you can change "Passive Off" mode to "Passive On" by dialing 011. Enter 80 to write your change to memory and hang-up. Of course in between entering your 011 and 80, The Power Stone will be prompting you with "Audible Readback" response beeps.

What about the "Passive On" mode? You may require that connected equipment be supplied power until you call in and direct The Power Stone to shut power down.

**Customized Security Code Feature -** To get into Manual Operating mode and control power from a remote location, you must transmit your Security Access Code through the phone line (via a touchtone phone) to The Power Stone. The standard security code (factory preset at # # 8 8) can be customized by the addition of 2 characters at the end of the code string. The digits 0 through 9, * (Star) and # (pound) can be programmed as additional characters to prevent callers from turning on and "hacking" into your voice/data equipment or inadvertently changing the status of power supplied to equipment. Register 06 controls this feature.

**"Override Button" Override -** On the face of The Power Stone is an "OVERRIDE" button, which when pushed, overrides all operating modes and supplies an uninterruptable flow of power to your connected equipment. You call in to get messages off your answering machine and discover your PC/modem is powered on and your internal modem is screaming at everyone who is calling. Just get into Manual Operating mode, access the "OVERRIDE Button" Override register and program The Power Stone back to normal operation. In the event of a power outage, both "override's", the button and the register, revert to factory preset which is "Normal Operation" or override off. Register 05 controls this feature.

**Operating Modes** - All operating modes, passive and automatic are contained in Register 0 1. See sections titled "Automatic Operation" and "Passive Operation" for feature explanation. ***NOTE: Factory default is AUTOMATIC***

**"Rings To Trip" Automatic Operation -** Register 02 and Register 09 combined control this feature setting. Refer to "Rings To Trip Feature" in section titled "Automatic Operation". ***NOTE: Factory default is 8 Rings***

**"Distinctive Ring" Cadence Detection -** Register 03 controls the setting for this programmable feature. For full feature explanation, refer to "Distinctive Ring Cadence Detection" in section titled "Automatic Operation".

**The Power Stone contains two "read only" programming registers.**

- The "Power Supplied" Status Register, Register 07, will readback the current status of power supplied to connected equipment. Two low beeps tell you The Power Stone is not supplying power to your equipment. One beep tells you power is supplied to the equipment.

- The **"Power Failure"** Status Register, Register 08, will tell you if a power failure has occurred since the last reading of this register. Two low beeps tell you power has not been interrupted to The Power Stone since your last inquiry. One beep indicates that a power outage has occurred since your last inquiry.

### Audible Readback of All Programming

Upon accessing The Power Stone's Manual Operating mode, you can direct The Power Stone to readback any programming and feature settings. ***(See page 8 for a more in-depth explanation)***

### Manual OVERRIDE Button

Pressing this button will direct The Power Stone to supply a constant, uninterrupted supply of electricity to your connected equipment. The Power/Status LED will glow brightly, with no flashing. All inbound calls will be ignored by The Power Stone. Pressing the "OVERRIDE" button again will return The Power Stone to its previous programmed operating mode. In the event of a power outage, both "override's", the button and Register 05, revert to factory preset which is "Normal Operation" or OVERRIDE off.

### Telephone OVERRIDE Command

If The Power Stone is plugged into a power strip or wall outlet and you can't get to it to press the OVERRIDE button, there is a touchtone command that will perform the same function as pressing the OVERRIDE button. To do this you must have a touchtone phone connected to the DEVICE port. Press the * (star) symbol on your touchtone phone and The Power Stone will go into OVERRIDE. To get The Power Stone out of OVERRIDE and back to its previous operating mode, press the "Star" character twice, " * * ". "Telephone OVERRIDE Command" will only work when the Power Stone is not in Manual Operating mode. Note: If you are in the programming mode, you cannot override by dialing "*". In the event of a power outage, both "override's", the button and Register 05, revert to factory preset which is "Normal Operation" or OVERRIDE off.

### Status/Power LED.

The Status/Power LED signals the status of power supplied to your equipment. If the light is blinking in a certain sequence, here's what's going on:
**1) OFF -** There is no power to The Power Stone. The 120 Volt wall outlet is "dead" due to a power outage on that particular circuit or perhaps to your whole house.
**2) OFF/Blinking On Briefly Once A Second -**
The Power Stone is functional and has not been activated. It is not supplying power to your equipment.

### Status

**3) ON/Winking Off Once A Second -** The Power Stone has been activated and is supplying power to your connected equipment.
**4) ON/Solid -** The Power Stone is in "Override" mode and is supplying power to your equipment.
**5) ON/Blinking Rapidly -** The Power Stone is in Manual Operating mode and ready for programming or readback.

### Circuit "RESET" Button

At the bottom of The Power Stone is a 15 Amp resettable breaker button. This button resets The Power Stone in the event that you overload its circuit and trip the breaker. Please pay special attention that you do not plug in multiple devices that could cause an overload to The Power Stone. If The Power Stone circuit breaker continues to blow, investigate the load requirements of each device that you have connected to The Power Stone's 120 Volt/15 Amp receptacle.

**Programming Register Codes**

| Register # | Register Title | Feature Descriptions w/ Control Numbers | Factory Default |
|---|---|---|---|
| 01 | Operating Modes | 0 - "Passive Off" - No power is supplied to equipment regardless of ring #<br>1 - "Passive On" - Power is supplied to equipment regardless of ring #<br>2- "Power On Call" - Power is supplied when inbound rings are detected. Power is turned off at the end of the call (approx. 2 minutes)<br>3* - "Reboot" - When ring # is detected, power is interrupted for 15 seconds<br>4 - "Toggle" - Power is switched (off/on) with each subsequent call | 3 |
| 02 | Trip Time | 0- "Less than Rings To Trip" – When less than the number of Rings To Trip is detected, the Power Stone will perform Automatic operation.<br>1*- "More than Rings To Trip" – When equal to or more than the number of Rings To Trip is detected, the Power Stone will perform the Automatic operation. | 1 |
| 03 | Distinctive Ring Cadence Sensitivity | 1*- Single Ring Cadence - Senses only a single ring cadence<br>2 - Double Ring Cadence - Senses only a double ring cadence<br>3 - Triple Ring Cadence - Senses only a triple ring cadence | 1 |
| 04 | Audio/Answer # of Rings | Internal Operation Register.  Not programmable/Used. | |
| 05 | "Override button" Override | 0*- "Normal Operation" - Power Stone will operate in the programmed operating mode when the proper # of rings are detected.<br>1 - "Override" - Operating modes are overridden and power is supplied to equipment constantly, regardless of Reg. 2 setting. | 0 |
| 06 | Programmable Security | 00*- No security access codes- To enter manual control, after Power Stone answers, dial ##88_ _ ? and add 2 characters to the end of the security access string. | 00 |
| 07 | Power Status (Read only- Non-programmable) | 0 - Audible 2 low beeps indicates NO power is currently supplied to equipment<br>1 - Audible 1 Bip indicates power IS currently supplied to equipment | |
| 08 | Power Failure Status (Read only-Non-programmable) | 0 - Audible 2 low beeps indicates NO power failure since last reading of this register<br>1 - Audible 1 bip indicates a power failure occurrence since last reading of this register | |
| 09 | Rings to Trip | 1-15 Number of rings at which Power Stone will perform AUTOMATIC OPERATION. Default setting is 8 | 8 |
| 10 | Rings to answer | 1-15 Number of rings at which Power Stone will answer the incoming call. Default setting is 15. | 15 |

## Programming Commands

"##88"- The factory preset code for access to Manual Operating Mode and programming.
Command "60" - Set registers 01, 02, 03, 04,05, and 06 to factory presets.
Command "80" - Save current contents of registers to memory and exit manual control.
Command "90" - Exit manual control without saving changes to register. All registers will be restored with the values last saved in memory.
NOTE: Registers 07 and 08 are nonprogrammable and when accessed will audibly "read-out" status of power and immediate history of power failure at the site. Register 05, "Override" always reverts to the preset when a power outage occurs.

## MANUAL OPERATION/PROGRAMMING OF THE POWER STONE

You can call in to your home or office from a remote location and control the power to your selected equipment or change the automatic operation at the site of The Power Stone - just by pressing characters on your telephone key pad! You can also check the status of each programmable setting and receive information about power status to a device.

**"Before You Can Access The Power Stone"-** If you wish to access The Power Stone's Manual Control mode, from a remote location OR right on site, some basic requirements need to be satisfied. *NOTE: The Power Stone MUST be set to Manual Mode (see Register 01 on page 7)*

### For "On Site" Access-
A TOUCHTONE telephone must be connected to the "DEVICE" port of The Power Stone. You may, if you have a modem plugged into the "DEVICE" port, connect your telephone to the "Phone" port on the back of the modem. If your modem does not have a "Phone" port on the back panel and you need to have a phone and modem connected to the Power Stone's "DEVICE" port, use a telephone splitter/adapter. We recommend a splitter/adapter similar or equal to the AT&T adapter, part no. 267A2, because of the "over/under" splitter configuration. This type of splitter/adapter, when plugged into The Power Stone's "DEVICE" port, will not interfere with the "LINE" port directly beside it.

**Access When Calling From A Remote location-** If you are calling from a remote location, you must be placing the call from a touchtone phone and the call you place to the location of The Power Stone must be "answered" by either:
A) an auto-answer device (like an answering machine, modem, fax machine), or
B) a person, or
C) if A) or B) is not available, you can simply let the phone line ring 15 times and The Power Stone will go "off-hook" automatically. (The Power Stone can be programmed to answer the line after 3 rings - see page 11, Audio/Answer feature.)

**Operations Note:** The Power Stone, upon "answering" the phone line (option "C"), will transmit two different types of audible tones signaling the status of power to your selected equipment AND HOLD THE LINE FOR 10 SECONDS. Two low beeps indicate The Power Stone is receiving power from the wall socket but is not sending power to your selected equipment. One "bip" signals that electrical power is being supplied to equipment plugged into The Power Stone. If The Power Stone does not answer and transmit tones after the 15th ring- you have a power outage at The Power Stone's location!

### The "HOW TO" Of Programming The Power Stone
Now that everything is hooked up and in place, the first thing you should do is place a local call to your best buddy. Ask him or her to lay their phone receiver down for a moment... but don't hang it up. After placing a call to your friend, wait at least five seconds before proceeding.

**To get into Manual Operating Mode - DIAL "# # 8 8" on your telephone key pad.**
The "STATUS" light will begin blinking rapidly. Immediately listen for three high-pitched bips in your handset. **Three "bip" tones** indicate that you have entered the programming mode and may **"PROCEED"**. At this time, you can enter a register number (01 to 06), followed by the value you want to program into the register. If the proper register number and programming value(s) are entered, The Power Stone will answer with a high-pitched tone immediately followed by a mid pitched tone. It kind of sounds like "bee-bip". This means "OK". If the numbers you enter are invalid (either for the register number or program value), The Power Stone will respond with a low-pitched tone "ERROR" tone. In either case, three "bips" will immediately follow telling you to "PROCEED". At this time, you may either access and program a new register or correct the previous attempt by entering new numbers.

### AUDIBLE "READBACK" OF PROGRAMMING - AUDIBLE TONES
There is a manual control command that allows The Power Stone to audibly "readback" (via the phone) the value of any register. This feature is handy when you're calling long distance to your home and you have forgotten what you have just programmed and want a quick readback when checking to see if The Power Stone is properly programmed before leaving your home or office. There are two types of tones that The Power Stone will transmit through your receiver on the audible" read back"-1) A clipped, high-pitched "bip" which has a numerical value of one. 2) A long, low-pitched "beep" which has the numerical value of five.
The chart BELOW describes the audible tones which coincide with each number or symbol in a register.

| | | | | | |
|---|---|---|---|---|---|
| 1 | BIP | 5 | BEEP | 9 | BEEP BIP BIP BIP BIP |
| 2 | BIP BIP | 6 | BEEP BIP | 0 | BEEP BEEP |
| 3 | BIP BIP BIP | 7 | BEEP BIP BIP | * | BEEP BEEP BIP |
| 4 | BIP BIP BIP BIP | 8 | BEEP BIP BIP BIP | # | BEEP BEEP BIP BIP |

**Executing Audible "Read Back" With The Power Stone:**
First you must enter the Manual Operating mode by dialing "# # 8 8" (or your customized
code). Then press "*" and the register number you wish to read back.

An Example:
-First, you press "# # 8 8" on your touchtone phone to enter the Manual Operating mode.
-The Power Stone responds with a "PROCEED" tone.
-You press "*01" (telling The Power Stone to audibly read back the value in Register 1).
-The Power Stone transmits 2 "Bips" signifying the value "2" ("Power On Call").
-After a short pause, The Power Stone will transmit an "OK" tone followed by a PROCEED" tone.
-At that time, you may either "read back" or program any register.

**For Registers Containing More Than A Single Value**
Register 6 can contain and does readback more than a single value. Here's a short example of what a "readback"
would sound like where more than 2 digits or symbols are programmed in the register.
-You first enter Manual Operating mode (# # 8 8 or your customized code).
-Press " *06" to "read back" Register 6.
-The Power Stone transmits " Beep Beep (pause) Beep Beep "
(Because the register is not programmed with a custom Security Access Code, it contains the numerical value, zero-
zero. This translates into two sets of two low-pitched beeps.)
-The Power Stone immediately transmits the "OK" and "Proceed" tones.

**Helpful Tips If You're Having Trouble!**
After entering # # 8 8 to get into Manual Operating mode, you have 30 seconds to enter a complete readback
command. After 30 seconds (if no readback information is entered) The Power Stone will transmit an "Okay" tone
(Bee-Bip) and exit programming mode. The Power Stone acts as if you have dialed "90".
Note: You will receive an "Error" tone when entering "* " (star) register number on audible "read back" . How you
install The Power Stone is totally dependent on the type of equipment you wish to control power to and if this
equipment needs access to the phone line. Below are two general installation applications that should give you a
good idea of how to get optimal performance when using The Power Stone.

**1) Controlling Power To Data Equipment That Requires Access To The Phone Line -**
**a)** The Power Stone is plugged into a 120 Volt wall outlet.
**b)** The Power Stone is connected to the telephone line via the supplied line cord. One end is plugged into the
telephone wall jack and the other end is plugged into the port labeled "LINE".
**c)** The data equipment you wish to control power to is connected to the 120 Volt receptacle
on the face of The Power Stone.
**d)** The data equipment (PC, modem/fax card, fax machine, etc.) is connected to the phone
line (through The Power Stone) by plugging the RJ-ll line cord from your equipment
into the port labeled "DEVICE".

**Helpful Tips:**
**-** This is the required installation when using the "Power On Call" Automatic Operating mode. All auto-answer
equipment (fax or modem devices) is required to be connected through The Power Stone to the phone line for
"Power On Call" to work properly. - Other operating modes will function in this installation, such as "Reboot" ,
"Passive On" or "Passive Off" and you can also access Manual Operating mode from a remote location.

**2) Controlling Power To Equipment That Does Not Require A Phone Line**
The Power Stone is not a one-dimensional product. It can control power to virtually any equipment that requires up
to 15 Amps at 120 Volts.
**a)** The Power Stone is plugged into a 120 Volt wall outlet.
**b)** The Power Stone is connected to the telephone line via the supplied line cord. On end is plugged into the
telephone wall jack and the other end is plugged into the port labeled "LINE".
**c)** The device you wish to control power to is connected to the 120 Volt receptacle on the face of The Power Stone.
**d)** The equipment (lamp, stereo equipment, etc.) does not require connection to the phone line.

**LIMITED WARRANTY**

We warrant that if **The Power Stone®**, manufactured by Multi-Link, Inc. and purchased by you, proves to be defective in material or workmanship, we will provide without charge, for a period of 1 year (USA ONLY), the labor and parts necessary to remedy any such defect. Warranty commences on the date of purchase by the original retail consumer. The duration of any implied warranty of merchantability, fitness for a particular purpose, or otherwise, on this product shall be limited to the duration of the applicable express warranty set fourth above. In no event shall we be liable for any loss, inconvenience or damage whether direct, incidental, consequential or otherwise resulting from breach of any express or implied warranty, of merchantability, fitness for a particular purpose, or otherwise with respect to this product, except as set forth herein. Some states do not allow limitations on how long implied warranty lasts and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

**To obtain service under this warranty, you must first request an RMA number from our Technical Support Department by calling 800-535-4651 or 859-885-6363. Present The Power Stone® product with the RMA number and a copy of a sales receipt (or credit card receipt) or other satisfactory proof of the date of original retail purchase of the product to Multi-Link, Inc.**

The AC power supply used with this product is covered under this warranty. This warranty does not cover damage which results from accident, misuse, abuse, improper line voltage, lightning strike, fire, flood, or damage resulting from unauthorized repairs or alterations performed by an unauthorized service center. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**FCC REGISTRATION**

This equipment complies with Part 68 of the FCC rules. On the bottom of this equipment is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your telephone company. The REN is used to determine the number of devices you may connect to the telephone line and still have all those devices ring when your telephone number is called. In most, but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area. If your telephone equipment causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice is not practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with the FCC. Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service. If you experience trouble with **The Power Stone**, please contact Multi-Link, Inc., for information on obtaining service and repairs. The telephone company may ask that you disconnect this  equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning. This equipment may not be used on coin service provided by the telephone company, and is not intended for use with party line service. This equipment is intended for use only on loop start service, and will not operate on a ground start central office line.

TECHNICAL SPECIFICATIONS

| Model Number | PST59102 | Switching Manual | Key Pad 4 or 6 digit security code command (on/off) |
| --- | --- | --- | --- |
| Power | 120 VAC plug in (60 Hz) | | |
| Switching Contact | 120/12 VAC 15A with reset breaker 1800W, 600W incandescent. | | |
| Interrupt Modes | Automatic on ring detection. Manual pick up with security code. | Manual Override | Push button (on/normal operation) |
| Switching Auto | Reboot (15 sec off, then on) Toggle (on or off) | Power and Relay Status | LED; Remote audible read-back |
| | Power on call then off after hang up + 2 min. | Ringer Equivalence | 1.1 B |
| | | Physical: | 3.4" W x 1.8" D x 6" H, 1 lb |

*The Power Stone contains patented and otherwise proprietary circuits and software algorithms. This owner's manual describes the operation and function of some of these circuits and algorithms. Unauthorized duplication of this manual is a violation of U.S. and other copyright laws, and unauthorized use of all or part of this manual may result in patent infringement. Therefore, THIS MANUAL IS TO BE USED ONLY WITH OR AS A MARKETING TOOL FOR THE POWER STONE®. Duplication of all or part of this manual without the permission of Multi-Link, Inc. is prohibited.*