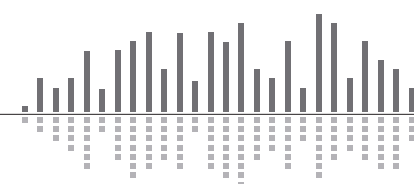


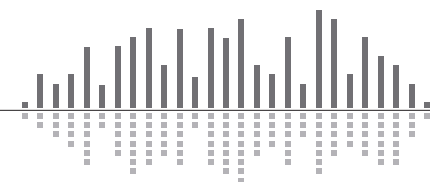
## External Control Protocol Commands

Below is a list of external control commands for Symetrix Integrator Series, Jupiter and SymNet hardware. These commands can be sent over RS-232 or UDP.

<b>Real-time Clock Commands</b>		
<b>Command</b>	<b>Format</b>	<b>Description</b>
Get Real Time Clock	GR	Gets the value of the real time clock
Set Real Time Clock Global	SRG <date string> <time string> [<weekday>]  <i>Example:</i>  SRG 01-17-2001 07:15:00 3	Sets the value of the real time clock on the addressed unit and all other units in the system if it is the ring master. See Set Real Time Clock above for information on the format.
Set Real Time Clock, Time Only, Global	SRTG <hours>:<minutes>[:<seconds>]  <i>Examples:</i> SRTG 7:15:54 SRTG 7:15	Sets the value of the real time clock on the addressed unit and all other units in the system if it is the ring master. See Set Real Time Clock, Time Only above for information on the format.



<b>Ethernet Commands</b>		
<b>Command</b>	<b>Format</b>	<b>Description</b>
Enable IP	EI <state>	Enables or disables IP communication based on the specified I/O to the specified Boolean <state> (0=off 1=on). Does not affect the IP address.
Write IP Address	WI <ip1>.<ip2>.<ip3>.<ip4> or WI 0	Sets the IP address and writes to flash. <ipN> is a decimal value between 0 and 255, e.g. "WI 192.168.100.13". Spaces can be used instead of periods if desired. "WI 0" is a shortcut to set the IP address to 0.0.0.0..
Read IP Address	RI	Returns the value of the complete IP address in decimal.
Write Gateway Address	WG <ip1>.<ip2>.<ip3>.<ip4> or WG 0	Sets the gateway IP address and writes to flash. <ipN> is a decimal value between 0 and 255, e.g. "WG 192.168.100.13". Spaces can be used instead of periods if desired. "WG 0" is a shortcut to set the address to 0.0.0.0.
Read Gateway Address	RG	Returns the value of the complete gateway IP address in dotted decimal format.
Write Subnet Mask	WK <ip1>.<ip2>.<ip3>.<ip4> or WK 0	Sets the subnet IP address mask and writes to flash. <ipN> is a decimal value between 0 and 255, e.g. "WK 255.255.255.0". Spaces can be used instead of periods if desired. "WK 0" is a shortcut to set the address to 0.0.0.0.
Read Subnet Mask	RK	Returns the value of the subnet IP address mask in decimal.
Write NTP Server Address	WN <ip1>.<ip2>.<ip3>.<ip4>	Sets the IP address for the NTP server and writes to flash. <ipN> is a decimal value between 0 and 255, e.g. "WN 192.168.100.13". Spaces can be used instead of periods if desired. "WN 0" will disable NTP but (leave the address in the registry). Any other valid IP address will enable NTP.
Read NTP Server Address	RN	Displays the value of the NTP server and whether or not it is enabled.
Ping	PING <ip1>.<ip2>.<ip3>.<ip4>	Similar to the Windows 'PING' command. Pings (sends ICMP Echo messages to) the specified IP address once and displays status (success, delay). <ipN> is a decimal value between 0 and 255, e.g. "PING 192.168.100.1".
Get Unit Name	GZ	Returns the IP Discovery name of the unit, e.g. 'Default Symetrix 760'.
Set Unit Name	SZ <name string>	Sets the unit's IP Discovery name to <name string> (31 characters max)



<i>Misc. commands</i>		
<b>Command</b>	<b>Format</b>	<b>Description</b>
Version	V	Returns the current hardware revision and firmware version/build date.
Reset	R!	Resets the main processor and forces re-initialization of all hardware.
Get Info	INFO	Displays detailed system information about the unit including firmware version, network settings, temperature, etc.

