

Synergy Operation Manual

SYNERGY Revision V2.65 RS-232 COMMAND SET

All commands are expressed as ASCII text. Connect to the Synergy RS-232 port using null modem.

Follow all commands with carriage return + line feed.

Requested values are returned followed by a carriage return <cr> and a line feed <lf>

Synergy Male 9 Pin D-Sub Connector Pin Description

- 1 DCD (Data Carrier Detect)
- 2 RX (Receive Data)
- 3 TX (Transmit Data)
- 4 DTR (Data Terminal Ready)
- 5 GND (Ground)
- 6 DSR (Data Set Ready)
- 7 RTS (Request to Send)
- 8 CTS (Clear to Send)
- 9 RI (Ring Indicator)

Communication Settings

Bits Per Second = 57,600

Note: Speed is field changeable via the config.ini file in the system controller.

Data Bits = 8

Parity = None

Stop Bits = 1

Flow Control = Hardware

Expressions enclosed in [] are only used for network (SYSC MLX) controllers.

Command	Command Syntax	Command Description
Get Time	time	Returns the current local controller time as hh:mm:ss <cr><lf>
Set Time	time <hh:mm:ss>	Sets the time in all controllers
Get Date	date	Returns the controller date as mm/dd/yyyy <cr><lf>
Set Date	date <mm/ dd/ yyyy>	Sets the date in all controllers
Reboot Controller	exit	Restarts the controller
Set Relay Status	[bacnet <id>] relay <#> [val]	Writes a new value to a relay # where <val> is expressed as a percentage, 0 - 100
Get Relay Status	[bacnet <id>] relay <#>	Returns the current value of a relay # expressed as a percentage, 0 - 100, Format; xx<cr><lf>
Set Dimmer Level	[bacnet <id>] dimmer <#> <val>	Writes a new level to a dimmer # where <val> is expressed as a percentage, 0 - 100
Get Dimmer Level	[bacnet <id>] dimmer <#>	Returns the current level of a dimmer # expressed as a percentage, 0 - 100, Format; xx<cr><lf>
Raise Dimmer	[bacnet <id>] dimmer <#> 130	Puts dimmer # in raise level auto-mode
Lower Dimmer	[bacnet <id>] dimmer <#> 129	Puts dimmer # in lower level auto-mode
Stop Raise/Lower	[bacnet <id>] dimmer <#> 128	Stops the above raise or lower actions
Set Group Level	[bacnet <id>] group <#> <val>	Writes a new level to a group # where <val> is expressed as a percentage, 0 - 100
Get Group Level	[bacnet <id>] group <#>	"Returns the current level of a group # expressed as a percentage, 0 - 100, Format; xx<cr><lf>"
Raise Group	[bacnet <id>] group <#> 130	Puts group # in raise level auto-mode
Lower Group	[bacnet <id>] group <#> 129	Puts group # in lower level auto-mode
Stop Raise/Lower	[bacnet <id>] group <#> 128	Stops the above raise or lower actions
Set Switch Status	[bacnet <id>] switch <#> <val>	Writes a new level to a switch # where <val> is 0 for off or 1 for on
Get Switch Status	[bacnet <id>] switch <#>	Returns the current status of a switch, Format; x<cr><lf>
Set Analog Level	[bacnet <id>] analog <#> <val>	Writes a new level to a analog # where <val> is expressed as a percentage, 0 - 100
Get Analog Level	[bacnet <id>] analog <#>	Returns the current analog level of the analog input # expressed as a percentage, 0 - 100, Format; xx<cr><lf>
"Set Button Level (adjust station channel)"	[bacnet <id>] button <#> <val>	Writes a new level to the control station channel # (button) where <val> is expressed as a percentage, 0 - 100
Get Button Level	[bacnet <id>] button <#>	Returns the current button level of the control station channel # (button) expressed as a percentage, 0 - 100, Format; xx<cr><lf>
Save Preset	Select <#> <fade> <mask>	Saves a control station preset on button # using the present values for the respective channels (buttons) as set above. Fade is expressed in seconds up to 6500. Mask is used for including and excluding channels from the preset.
Restart Controller		Reboots the controller. This command only works on Synergy devices
ID Network Devices	[bacnet whois]	Returns the properties of all network devices found, 256 vendor devices will be buffered
ID Network Device	[bacnet whois <id>]	Returns the properties of the network device at address id
Display Devices	bacnet dumpall	Displays the properties of network devices returned with the whois command