

Partner: Middle Atlantic Products
Model: RackLinkSelect™
Device Type: AC Power Controller



GENERAL INFORMATION

SIMPLWINDOWS NAME:	MiddleAtlantic RackLinkSelect v1.0
CATEGORY:	AC Power Controller
VERSION:	1.0
SUMMARY:	IP Module to communicate with the Middle Atlantic RackLinkSelect power controller series.
GENERAL NOTES:	This module controls the Middle Atlantic RackLinkSelect power controller via TCP/IP port 60000.
CRESTRON HARDWARE REQUIRED:	Any Series 2 & 3 Controllers, C2NENET-1, C2NENET-2
SETUP OF CRESTRON HARDWARE:	IP Port 60000
VENDOR FIRMWARE:	v1.00
VENDOR SETUP:	The module uses a default password for TCP/IP communication. Browse to the website of the RackLinkSelect device and make sure the password is set to whatever is set on the parameter for the module. default
CABLE DIAGRAM:	N/A

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CONTROL:

Outlet_*_Power_On	D	Pulse high to turn on the outlet if the outlet is controllable and present.
Outlet_*_Power_Off	D	Pulse high to turn off outlet if the outlet is controllable and present.
Outlet_*_Power_Cycle	D	Pulse high to turn off the outlet for a period of time set by the Power_Cycle_Time signal. The outlet will automatically turn on after the period has expired. The outlet must be on in order for this to work.
Set_Outlet_*_Name	S	Set name as string value, 50 characters max.
Set_Outlet_*_EMS	D	Set decimal value from 0d – 4d to indicate powered device’s energy management state. (Optional) 0d: Unknown 1d: Off 2d: On 3d: Standby 4d: Disconnected
Power_Cycle_Time	A	Set decimal value from 1 – 3600 (seconds). Default is 1 (second).
Power_Sequence_Up	D	Pulse high to start the Power Sequence Up routine.
Power_Sequence_Down	D	Pulse high to start the Power Sequence Down routine.
Power_Sequence_Time	A	Set decimal value from 1-999 (seconds). Default is 1 (second). Interval delay between outlets during sequencing.
Set_Room_Occupied	D	Pulse to set room status to occupied.
Set_Room_Unoccupied	D	Pulse to set room status to unoccupied.
{{TCP/IP_Client_>>_Connect-F}}	D	Connect to “Connect-F” output from the TCP/IP client definition that will be communicating with the Middle Atlantic RackLink unit.
{{TCP/IP_Client_>>_status}}	A	Connect to “status” output from the TCP/IP client definition that will be communicating with the Middle Atlantic RackLink unit.
{{TCP/IP_Client_>>_RX\$}}	S	Connect to “RX\$” output from the TCP/IP client definition that will be communicating with the Middle Atlantic RackLink unit.

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Parameters:

Login_User_Name_Text		Login user name, correct value "user".
Login_User_Password_Text		Login user password, default value from factory should be "password". Set the value via the webpage on the RackLink controller under "admin".
Port Number		TCPIP Port Number, Set to 60000.

FEEDBACK:

Product_Part_Number_Text	S	Part Number of the RackLink controller.
Product_Rating_Text	S	Product Rating of the RackLink controller.
Assigned_IP_Address_Text	S	IP Address of the RackLink controller.
Product_Mac_Address_Text	S	Mac Address of the RackLink controller.
Power_Sequence_Text	S	The current Power Sequence status of the RackLink controller. "None" "Up.Running" "Up.Completed" "Down.Running" "Down.Completed"
Outlet_*_Power_Is_On	D	Indicates the Outlet is on.
Outlet_*_Power_Is_Off	D	Indicates the Outlet is off.
Outlet_*_Name_Text	S	Current name of outlet.
Outlet_*_Is_Controllable	D	Indicates the Outlet can be controlled.
Outlet_*_Is_Present	D	Indicates the Outlet is actually installed on the RackLink unit.
Outlet_*_Is_Controllable	D	Indicates the Outlet can be controlled.
Outlet_*_Is_Present	D	Indicates the Outlet is actually installed on the RackLink unit.
Outlet_*_EMS_Status	A	The current reported Energy Management State of the power device. 0d: Unknown 1d: Off

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		2d: On 3d: Standby 4d: Disconnected
Outlet_*_EMS_Status_Text	D	The current reported Energy Management State of the power device. Valid Values: "Unknown" "Off" "On" "Standby" "Disconnected"
Power_Is_Sequencing_Up	D	Indicates the RackLink controller is currently sequencing the power on.
Power_Is_Sequencing_Down	D	Indicates the RackLink controller is currently sequencing the power down.
Room_Is_Occupied	D	Indicates Room has been reported as Occupied
Room_Is_Unoccupied	D	Indicates Room has been reported as Unoccupied.
Connect-F	D	Indicates TCP/IP connection status with the Middle Atlantic RackLink unit. Goes high if connection is present.
status	A	Indicates details of TCP/IP status with regards to connection with the Middle Atlantic RackLink unit: 0d = Not connected 1d = Waiting for connection 2d = Connected 3d = Connection failed 4d = Connection broken remotely 5d = Connection broken locally
{{Connect_>>_TCP/IP_Client}}	D	To be connected to the "Connect" input of the TCP/IP client definition that will be communicating with the Middle Atlantic RackLink device.
{{TX\$_>>_TCP/IP_Client}}	S	To be connected to the "TX\$" input of the TCP/IP client definition that will be communicating with the Middle Atlantic RackLink device.

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**TESTING:**

OPS USED FOR TESTING:	CP3: 1.501.0025
SIMPL WINDOWS USED FOR TESTING:	3.04.03
CRES DB USED FOR TESTING:	58.05.002.00
DEVICE DATABASE:	78.05.001.00
SYMBOL LIBRARY USED FOR TESTING:	1010
SAMPLE PROGRAM:	MiddleAtlanticRacklinkSelect Demo v1.0.smw
REVISION HISTORY:	v1.0 – Initial Release