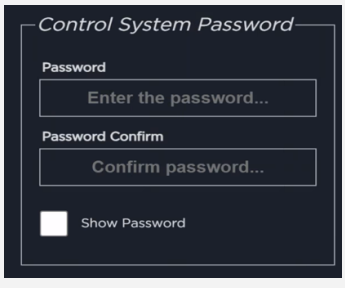
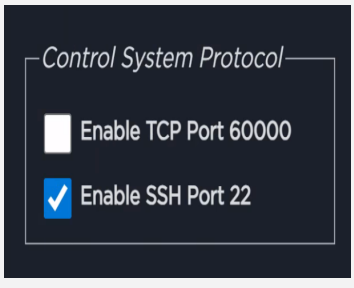
Partner: Middle Atlantic
Model: RackLink Select PDU
Device Type: Power Distribution

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Middle Atlantic RackLink Select v2.0
CATEGORY:	Power Distribution
VERSION:	2.0
SUMMARY:	This module controls communication with a Middle Atlantic RackLink Premium PDU device via SSH or TCP/IP.
GENERAL NOTES:	• This module acts as the primary communication link between the Crestron system and a single RackLink Premium PDU. • Different models exist within the RackLink Select family. This module supports any of these models with a maximum of 16 outlets. • The module will automatically initialize when the program starts up. Initialization consists of querying the device for all status information required for proper module operation.
CRESTRON HARDWARE REQUIRED:	Crestron 4-Series processor **only**.
SETUP OF CRESTRON HARDWARE:	Crestron processor and PDU(s) being controlled must be able to communicate directly via IP.
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	SSH and TCP/IP control will need to be set up in the device menu before control system connection can be established. Once SSH and/or TCP/IP are enabled, the control system 'user' password will need to be set.  

15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

Partner: Middle Atlantic
Model: RackLink Select PDU
Device Type: Power Distribution

PARAMETER:	
Connection Type	Setting to indicate the selected connection protocol (SSH or TCP/IP).
IP Address	Setting to indicate the IP Address for the PDU to control.
Username	Setting to indicate the Username for the PDU to control (default: ‘user’)
Password	Setting to indicate the Password for the PDU to control (set up in PDU web GUI)

15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

Partner: Middle Atlantic
Model: RackLink Select PDU
Device Type: Power Distribution

CERTIFIED CRESTRON Integrated Partner

CONTROL:

Connect	D	Pulse to establish communication with the PDU and retrieve all pertinent information from the PDU for proper operation of the module. Set to '1' to immediately connect when program initializes.
Disconnect	D	Pulse to disconnect from the PDU.
Outlet_[01 – 16]_Power_On	D	Pulse to set the power on for a specific outlet.
Outlet_[01 – 16]_Power_Off	D	Pulse to set the power off for a specific outlet.
Outlet_[01 – 16]_Power_Cycle	D	Pulse to cycle the power for a specific outlet.
Set_Outlet_[01 – 16]_Name	S	Serial value to set the name of the specific outlet.
Power_Cycle_Time	A	Analog value to set the cycle time of all outlets. Value range: 1d-3600d (1d represents 1 second)
Power_Sequence_Up	D	Pulse to trigger the power on sequence routine.
Power_Sequence_Down	D	Pulse to trigger the power off sequence routine.
Power_Sequence_Time	A	Analog value to specify interval delay between outlet power state changes. Value range: 0d-999d (1d represents 1 second)

15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

Partner: Middle Atlantic
Model: RackLink Select PDU
Device Type: Power Distribution

CERTIFIED CRESTRON Integrated Partner

FEEDBACK:

Is_Communicating	D	High to indicate that communication has been established with the PDU and the module has received at least one response to a query. Once communication has been established, the module will attempt to initialize automatically.
Is_Initialized	D	High to indicate that the module has received all necessary information from the PDU that it needs to function properly.
Product_Part_Number_Text	S	Serial string indicating the part number for the PDU.
Product_Rating_Text	S	Serial string indicating the product rating for the PDU.
Assigned_IP_Address_Text	S	Serial string indicating the current IP address for the PDU.
Product_Mac_Address_Text	S	Serial string indicating the MAC address of the PDU.
Outlet_[01-16]_Power_Is_On	D	Digital value indicating if power is currently on for a specific outlet.
Outlet_[01-16]_Power_Is_On	D	Digital value indicating if power is currently off for a specific outlet.
Outlet_[01-16]_Name_Text	S	Serial value indicating the currently assigned name of the specific outlet.
Outlet_[01-16]_Is_Controllable	D	Digital value indicating if the specific outlet is controllable.
Outlet_[01-16]_Is_Present	D	Digital value indicating if the specific outlet exists on the current PDU.
Power_Is_Sequencing_Up	D	Digital value to indicate if the sequence up routine is in progress.
Power_Is_Sequencing_Down	D	Digital value to indicate if the sequence down routine is in progress.
Power_Sequence_Text	S	Serial string representation of the currently running routine. “None”, “Up.Running”, “Up.Completed”, “Down.Running”, “Down.Completed”.

15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

Partner: Middle Atlantic
Model: RackLink Select PDU
Device Type: Power Distribution

TESTING:

PLATFORM USED FOR TESTING:	MC4: 2.8005.00031
SIMPL WINDOWS USED FOR TESTING:	4.3000.01
CRES DB USED FOR TESTING:	228.2000.002.00
DEVICE DATABASE:	200.41500.001.00
SYMBOL LIBRARY USED FOR TESTING:	1207
SAMPLE PROGRAM:	Middle Atlantic RackLinkSelect v2.0 Demo
REVISION HISTORY:	v1.0 – Initial Release v2.0 – Major revision for SSH support and SIMPL# rewrite.

15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400