

Partner: Juice Goose
Model: iP1520
Device Type: Power Control



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Juice Goose iP1520 v1.0.umc
CATEGORY:	Power Conditioners
VERSION:	1.0
SUMMARY:	This module provides control and true feedback of a Juice Goose power conditioner via TCP/IP.
GENERAL NOTES:	<p>This module will control the Juice Goose IP1520 power conditioner. True feedback is provided for all functions. When any command is sent to the power conditioner, it will acknowledge that the command was processed properly. The corresponding feedback will be reflected at the outputs of this module.</p> <p>Information is only received when asked for. You can set the system to poll (or not) the device for current states and information by toggling Poll_On/Off input.</p> <p>On initial startup, the number of pods must be set and the Info command must be sent to retrieve accurate pod and IP information.</p>
CRESTRON HARDWARE REQUIRED:	2-Series Processor w/Ethernet port, 3-Series Processor w/Ethernet port.
SETUP OF CRESTRON HARDWARE:	TCP/IP Port 33333d is the default.
VENDOR FIRMWARE:	Check with vendor
VENDOR SETUP:	N/A
CABLE DIAGRAM:	N/A

CONTROL:

Connect	D	High to indicate the client is connected.
Disconnect	D	Set this high to disconnect the connection to the device.
Turn_All_Pods_On	D	Pulse to turn all pods on
Turn_All_Pods_Off	D	Pulse to turn all pods off
Pod_1_Power Pod_2_Power Pod_3_Power Pod_4_Power	D	Pulsing will toggle power on specific pod.
Turn_Pod_1_On Turn_Pod_2_On	D	Pulsing to power on the specific pod.

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Turn_Pod_3_On Turn_Pod_4_On		
Turn_Pod_1_Off Turn_Pod_2_Off Turn_Pod_3_Off Turn_Pod_4_Off	D	Pulse to power off the specific pod.
Get_Pod_1_Current_Draw Get_Pod_2_Current_Draw Get_Pod_3_Current_Draw Get_Pod_4_Current_Draw	D	Pulse to refresh specific pod's Power_*_Current .
Allow_Activate_Sequence	D	Pulse to allow power sequence operations.
Disable_Activate_Sequence	D	Pulse to not allow power sequence operations.
Sequence_Up	D	Pulse to trigger power up sequence.
Sequence_Down	D	Pulse to trigger power down sequence.
Set_Sequence_Value_Up Set_Sequence_Value_Down	D	Pulse to increase/decrease Current_Sequence_Seconds .
Set_Number_Of_Pods	A	Sets the number of pods supported in the module. This should be set to the number of pods available on the device. Valid range: 0d - 4d.
Send_IP_Information	D	Pulse to send IP configuration information to device. IP information is set using Set_IPAddress, Set_IPSubnetMask, Set_IPGatewayAddress, Set_PrimaryDNS, Set_SecondaryDNS.
Set_IPAddress	S	Used to enter IP Address for unit. Format: xxx.xxx.xxx.xxx (including leading zeros)
Set_IPSubnetMask	S	Used to enter IP Subnet Mask for unit. Format: xxx.xxx.xxx.xxx (including leading zeros)
Set_IPGatewayAddress	S	Used to enter IP Gateway Address for unit. Format: xxx.xxx.xxx.xxx (including leading zeros)
Set_PrimaryDNS	S	Used to enter Primary DNS Address for unit. Format: xxx.xxx.xxx.xxx (including leading zeros)
Set_SecondaryDNS	S	Used to enter Secondary DNS Address for unit. Format: xxx.xxx.xxx.xxx (including leading zeros)
Info	D	Pulse for favorite command.
Restart	D	Pulse for list command.
Polling_On/Off	D	Pulse to add or delete a channel.

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{{TCP/IP_Client_>>_Connect-F}}	D	Connect to "Connect-F" output from the TCP/IP client definition that will be communicating with the Juice Goose device.
{TCP/IP_Client_>>_Status}}	A	Connect to "status" output from the TCP/IP client definition that will be communicating with the Juice Goose device.
{TCP/IP_Client_>>_RX\$}}	S	Connect to the "RX\$" output from the TCP/IP client definition that will be communicating with the Juice Goose device.

FEEDBACK:

Connected	D	High to indicate the client is connected.
All_Pods_On	D	Indicates all pods are on.
All_Pods_Off	D	Indicates all pods are off.
Pod_1_Power_State Pod_2_Power_State Pod_3_Power_State Pod_4_Power_State	D	Indicates corresponding pod is on when high and off when low.
Pod_1_Power_On Pod_2_Power_On Pod_3_Power_On Pod_4_Power_On	D	Indicates corresponding pod is on.
Pod_1_Power_Off Pod_2_Power_Off Pod_3_Power_Off Pod_4_Power_Off	D	Indicates corresponding pod is off.
Pod_1_Current Pod_2_Current Pod_3_Current Pod_4_Current	S	String value indicating current draw on corresponding pod.
Activate_Enabled	D	Indicates activate sequence is allowed.
Activate_Disabled	D	Indicates activate sequence is disabled.
Current_Sequence_Seconds	A	Indicates number of seconds for activate sequence to complete.
Number_Of_Pods	A	Number of pods enabled in system.
Show_Single_Pod	D	Indicates system is set up for one pod. This is used to display controls for a single pod on the user interface.

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Show_2_Pods	D	Indicates system is set up for two pods. This is used to display controls for two pods on the user interface.
Show_3_Pod	D	Indicates system is set up for three pod. This is used to display controls for three pods on the user interface.
Show_4_Pod	D	Indicates system is set up for one pod. This is used to display controls for four pods on the user interface.
IP_Address	S	Current IP Address of device.
IP_Gateway_Address	S	Current IP gateway address of device.
IP_Subnet_Address	S	Current IP subnet address of device.
Primary_DNS_Address	S	Current primary DNS address of device.
Secondary_DNS_Address	S	Current secondary DNS address of device.
MACAddress	S	Current MAC address of device.
DHCP_Fb	D	Indicates DHCP is on.
Polling_Enabled	D	Indicates polling is enabled.
{{Connect_>>_TCP/IP_Client}}	D	To be connected to the "Connect" input of the TCP/IP client definition that will be communicating with the Contemporary Research 232-ASTC+1.
{{TX\$_>>_TCP/IP_Client}}	S	To be connected to the "TX\$" input of the TCP/IP client definition that will be communicating with the Contemporary Research 232-ASTC+1.

PARAMETERS:

Polling Interval (Seconds)	A	Parameter to specify polling interval in seconds. The values range from 0s to 300s.
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TESTING:

OPS:	2-Series: v4.008.0008 or later 3-Series: v1.009.0029 or later
SIMPL WINDOWS:	v4.02.38 or later

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DEVICE DB:	v56.00.004.00 or later
CRES DB:	v45.00.002.00 or later
SYMBOL LIBRARY:	v892
SAMPLE PROGRAM:	2 Series: Juice Goose iP1520 v1.1.smw 3 Series: Juice Goose iP1520 v1.1.smw
REVISION HISTORY:	v1.0 – Initial Release