

Partner: Linn
Model: DS Preamp
Device Type: Preamp



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Linn DS Preamp v1.0
CATEGORY:	Receiver/Processor
VERSION:	1.0
SUMMARY:	This module will control Linn DS Preamps via TCP/IP using Linn's LPEC protocol.
GENERAL NOTES:	<p>This module will control Linn DS Preamps via TCP/IP. It will also provide true feedback. It uses the Linn LPEC protocol.</p> <p>The Initialize must be pulsed to get the number of available inputs, the input names and the current status. This must be done in order to be able to select inputs. If there are 8 available inputs on the Linn unit, module inputs Source_9 through Source_50 will not do anything.</p> <p>This module was tested with a Linn Sekrit DS with 6 inputs. Each DS Preamp can have a different number of inputs. The module will allow up to 50 inputs to be selected.</p>
CRESTRON HARDWARE REQUIRED:	C2ENET-1/2
SETUP OF CRESTRON HARDWARE:	TCP/IP Client Port: 23d
VENDOR FIRMWARE:	3.9.1
VENDOR SETUP:	None
CABLE DIAGRAM:	Ethernet

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CONTROL:

Power_<On/Off/Toggle>	D	Pulse to turn the Preamp on and off.
Volume_<Up/Down>	D	Press and hold to adjust the volume.
Volume_Mute_<On/Off/Toggle>	D	Pulse to turn the volume mute on and off.
Source_<1...50>	D	Pulse to select the desired source. These will not work unless the Initialize input has been pulsed to get the number of available inputs. Most Linn Preamps will not have 50 inputs.
Initialize	D	Pulse to get the number of available inputs, names of the inputs and the current status.
Connect	D	Set high to connect the TCP/IP Client.
{{TCP/IP_Client_>>_Connect-F}}	D	Digital signal to be routed from the Connect-F output of the TCP/IP Client symbol.
{{TCP/IP_Client_>>_status}}	A	Analog signal to be routed from the status output of the TCP/IP Client symbol.
{{TCP/IP_Client_>>_RX\$}}	S	Serial signal to be routed from the RX\$ output of the TCP/IP Client symbol.

FEEDBACK:

Power_Is_<On/Off>	D	High to indicate the current power state.
Volume_Level_Gauge	A	Analog signal indicating the current volume level. To be displayed using a gauge on a touch panel.
Volume_Mute_Is_<On/Off>	D	High to indicate the current volume mute state.
Number_Of_Available_Sources	A	Analog signal indicating the number of available sources on the Linn Preamp.
Current_Source_Is_<1...50>	D	High to indicate the currently selected source.
Source_<1...50>_Name_Text	S	Serial signal indicating the name of each available source.
Connected	D	High to indicate that the TCP/IP Client is connected.
Connection_Status_Text	S	Serial signal indicating the current TCP/IP Client connection status.
{{Connect_>>_TCP/IP_Client}}	D	Digital signal to be routed to the Connect input on the TCP/IP Client symbol.
{{TX\$_>>TCP/IP_Client}}	S	Serial signal to be routed to the TX\$ input on the TCP/IP Client symbol.

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**PARAMETERS:**

Port	P	Port number for the TCP/IP Client to use when connecting to the Linn Preamp. Must be 23d.
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TESTING:

OPS USED FOR TESTING:	4.003.0015
SIMPL WINDOWS USED FOR TESTING:	2.12.44
CRESTRON DB USED FOR TESTING:	23.05.010.01
DEVICE DB USED FOR TESTING:	31.05.005.00
SAMPLE PROGRAM:	Linn Sekrit DS v1.0 Demo
REVISION HISTORY:	V. 1.0 – Original release.