BSS: Soundweb London

This module controls an "N-input Gain" object in a Soundweb London program.

GENERAL INFORMATION

SIMPLWINDOWS NAME:	BSS Soundweb London N-input Gain v3
CATEGORY:	Device Interface
VERSION:	V3.0
SUMMARY:	This module controls an "N-input Gain" object in a Soundweb London program.
GENERAL NOTES:	Each object in a Soundweb London program is given an object number. You have to specify the object id of the "N-input Gain" object that is to be controlled. (objectID parameter) The TX and RX of this module should be connected to a "BSS Soundweb London Node.umc" module. This "Node" module needs to have it's "Node" parameter set to the node of the Soundweb London device to control. All analog input and outputs range from 0d to 65535d (0% to 100%) When pulsing the "subscribe" input, all functions (called state variables) of the currently selected input which have their corresponding subscribeTo-input set high will be subscribed to. From that point on, the Soundweb London will automatically report any change of these state variables made on the Soundweb London device itself. This module will then take this report and show it on the feedback outputs. At this moment, a change made by Crestron does not generate a feedback update. Pulsing the "subscribe" input will generate a feedback report also when already subscribed. With the "input" analog input you can specify which input on the "N-input Gain" object you want to control.
CRESTRON HARDWARE REQUIRED:	X-series or preferable 2-series
SETUP OF CRESTRON HARDWARE:	The demo program was created on a PRO2 with TPS-4000 The Soundweb London is to be connected on a com port with a standard crossed cable and the following settings: 115200, 8, 1, N Or to use TCP/IP: Port 1023
VENDOR FIRMWARE:	1.04.02
VENDOR SETUP:	Soundweb London Blu-80

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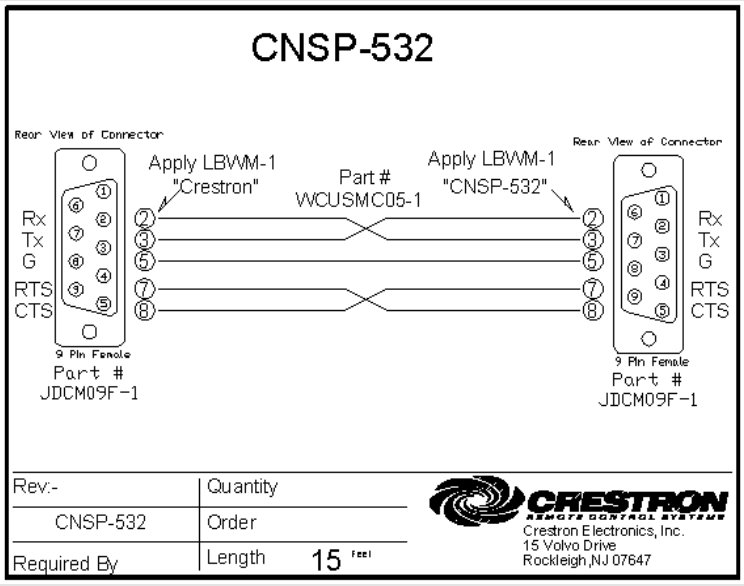
CABLE DIAGRAM:



CONTROL:

gain	A	set the gain value (-inf to 10) of the currently selected input
subscribeToGain	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the gain of the currently selected input
Mute	D	pulse to mute the currently selected input
Unmute	D	pulse to unmute the currently selected input
subscribeToMute	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the mute of the currently selected input
polarityOn	D	pulse to set polarity of the currently selected input on
polarityOff	D	pulse to set polarity of the currently selected input off
subscribeToPolarity	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the polarity of the currently selected input

subscribe	D	Pulse to subscribe to all functions (state variables) of the currently selected input set by the subscribeTo inputs
unsubscribe	D	Pulse to unsubscribe to all functions (state variables) of the currently selected input set by the subscribeTo inputs
input	A	specify which input of the "N-input Gain" object is to be controlled
rx	S	connected to the "modulesRx" of the correct "BSS Soundweb London Node.umc" module

FEEDBACK:

gain_fb	A	gain feedback of the currently selected input
mute_fb	D	mute feedback of the currently selected input
polarity_fb	D	polarity feedback of the currently selected iput
tx	S	connected to the "modulesTx" of the correct "BSS Soundweb London Node.umc" module

PARAMETERS:

objectID	d	specifies which objectID is to be controlled. (3 bytes, for example: "\x00\x00\x01") (get this information from the BSS programmer)

TESTING:

OPS USED FOR TESTING:	3.155.1240
COMPILER USED FOR TESTING:	2.10.24
SAMPLE PROGRAM:	BSS Soundweb London v3 Demo Program
REVISION HISTORY:	V1.0 Creation V3 – BSS made changes to a number of modules.

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