BSS: Soundweb London

This module controls an "Analog Input Card" object in a Soundweb London program.

GENERAL INFORMATION

SIMPLWINDOWS NAME:	BSS Soundweb London Analog Output Card v3
CATEGORY:	Device Interface
VERSION:	V3.0
SUMMARY:	This module controls an "Analog Output Card" object in a Soundweb London program.
GENERAL NOTES:	Each object in a Soundweb London program is given an object number. As "Analog Output Card" objects always have the same object ID, you just have to specify which "Analog Output Card" you want to control. ("card" 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 this object 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. All subscribed stataVariables report their value when changed. The meter stateVariable reports it's value a defined times per second. So when subscribing a rate has to be defined for the meter value to be reported. (meterRate parameter) The parameter is set in miliseconds. 1d is "report meter value 1000 times per second) Please keep in mind that setting a value too low, will result in heavy data transmit.
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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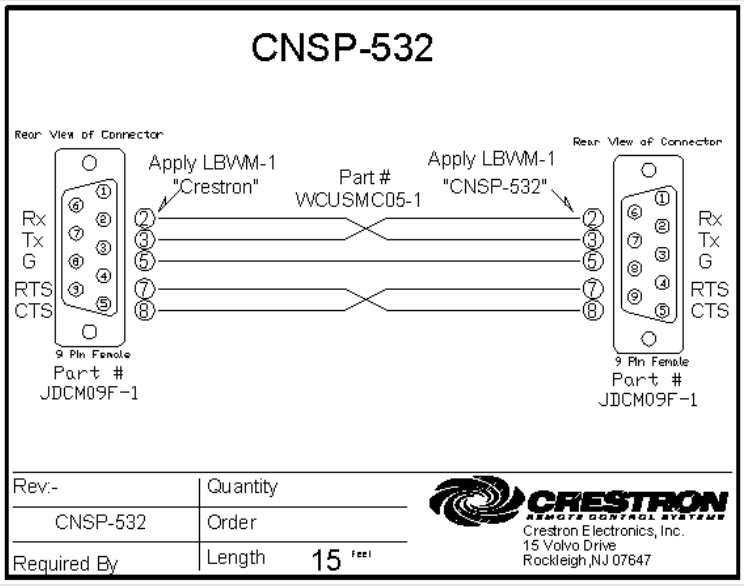
CABLE DIAGRAM:



CONTROL:

channel_x_reference	A	set the reference value (-50 to 20) of channel X
channel_x_attack	A	set the attack value (10µs to 0.2s) of channel X
channel_x_release	A	set the release value (50ms to 5s) of channel X
subscribeTo_channel_x_meter	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the meter of channel X
subscribeTo_channel_x_reference	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the reference of channel X
subscribeTo_channel_x_attack	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the attack of channel X
subscribeTo_channel_x_release	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the release of channel X

subscribe	D	subscribe to all functions (state variables) of the object set by the subscribeTo inputs
unsubscribe	D	unsubscribe to all functions (state variables) of the object set by the subscribeTo inputs
rx	S	connected to the "modulesRx" of the correct "BSS Soundweb London Node.umc" module

FEEDBACK:

channel_x_meter_fb	A	meter feedback of channel X
channel_x_reference_fb	A	reference feedback of channel X
channel_x_attack_fb	A	attack feedback of channel X
channel_x_release_fb	A	release feedback of channel X
tx	S	connected to the "modulesTx" of the correct "BSS Soundweb London Node.umc" module

PARAMETERS:

card	d	specifies which card is to be controlled. A, B, C or D
meterParam	d	set the rate in which the Soundweb London has to report back the meter value. Milliseconds: 1000d = once per second

TESTING:

OPS USED FOR TESTING:	3.155.1240
COMPILER USED FOR TESTING:	2.10.24
SAMPLE PROGRAM:	BSS Soundweb London v3 Demo Program

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REVISION HISTORY:	V1.0 Creation V3 – BSS made changes to a number of modules.

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