BSS: Soundweb London

This module controls a "Meter" or an "RMS Meter" object in a Soundweb London program.

GENERAL INFORMATION

SIMPLWINDOWS NAME:	BSS Soundweb London Meter v4.0
CATEGORY:	Mixer
VERSION:	V4.0
SUMMARY:	This module controls a "Meter" or "RMS Meter" 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 "Meter" object that is to be controlled. (objectID parameter) The TX and RX of this module should be connected to a "BSS Soundweb London Node v4.0.umc" module. This "Node" module needs to have its "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.
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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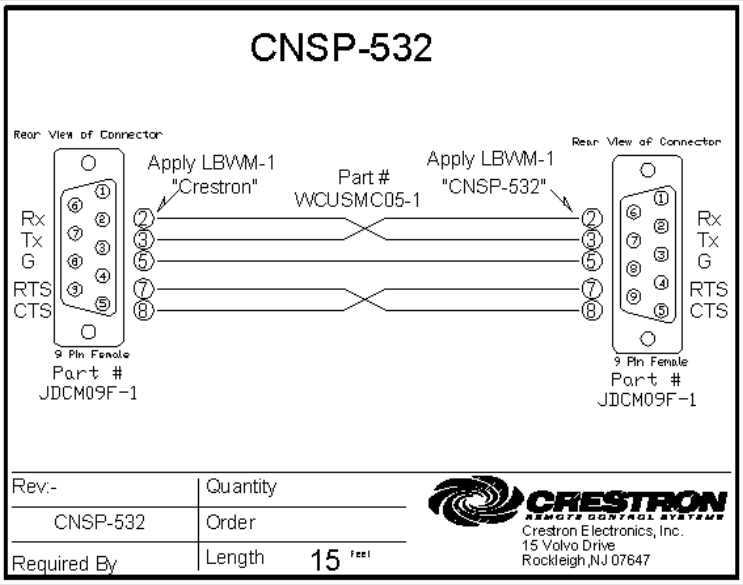
CABLE DIAGRAM:



CONTROL:

attack	A	set the attack value (10µs to 0.2s)
subscribeToAttack	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the objects Attack
Release	A	set the release value (50ms to 5s)
subscribeToRelease	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the objects Release
Reference	A	set the reference value (-50 to 20)
subscribeToReference	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the objects Reference
subscribe	D	Pulse to subscribe to all functions (state variables) of the object set by the subscribeTo inputs
unsubscribe	D	Pulse to unsubscribe to all functions (state variables) of the object set by the subscribeTo inputs

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rx	S	connected to the "modulesRx" of the correct "BSS Soundweb London Node v4.0.umc" module

FEEDBACK:

attack_fb	A	attack feedback
release_fb	A	release feedback
reference_fb	A	reference feedback
tx	S	connected to the "modulesTx" of the correct "BSS Soundweb London Node v4.0.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:	2.11.09
SAMPLE PROGRAM:	BSS Soundweb London v4.0 Demo Program
REVISION HISTORY:	V1.0 Creation V3 – BSS made changes to a number of modules. V4.0 – Changed the RX$ input on the Simpl+ modules to from a STRING_INPUT to a BUFFER_INPUT. Changed the room combine module so it requests the current value when it is done making changes.

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