BSS: Soundweb London

This module controls an "Matrix Mixer" object in a Soundweb London program.

GENERAL INFORMATION

SIMPLWINDOWS NAME:	BSS Soundweb London Matrix Mixer v3
CATEGORY:	Device Interface
VERSION:	V3.0
SUMMARY:	This module controls an "Matrix Mixer" 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 "Matrix Mixer" 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. First select an input to control by the analog input "input". Then for that input choose which outputs should be switched to and set the gain for that output.
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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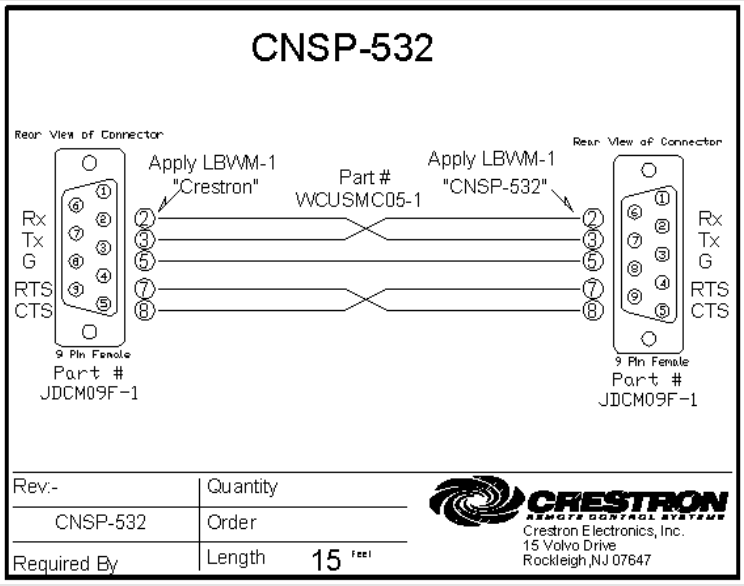
CABLE DIAGRAM:



CONTROL:

output_X_gain	A	set the gain for output X of the currently selected input
output_X_on	D	pulse to switch the currently selected input to output X
output_X_off	D	pulse to stop the currently selected input being switched to output X
subscribeToOnOff	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the the OnOff state variable of the outputs defined by the “numberOfOutputs” parameter.
subscribeToGain	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the the Gain state variable of the outputs defined by the “numberOfOutputs” parameter.
input	A	set which input is to be controlled. 1d to 48d
subscribe	D	Pulse to subscribe to the functions (state variables), set by the subscribeTo inputs, of the outputs set by the “numberOfOutputs” parameter. Only for the currently selected input.

unsubscribe	D	Pulse to unsubscribe to the functions (state variables), set by the subscribeTo inputs, of the outputs set by the “numberOfOutputs” parameter. Only for the currently selected input.
rx	S	connected to the "modulesRx" of the correct "BSS Soundweb London Node.umc" module

FEEDBACK:

output_X_gain_fb	A	gain feedback for output X of the currently selected input
output_X_on_fb	D	high when the currently selected input is switched to output X
output_X_off_fb	D	high when the currently selected input is not switched to output X
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)
numberOfOutputs	d	Set the highest used output. When you use for example only “output_2_Gain” and “output_41_On”, this parameter needs to be set to “41d”

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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