BSS: Soundweb London

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

GENERAL INFORMATION

SIMPLWINDOWS NAME:	BSS Soundweb London Automixer v4.0
CATEGORY:	Mixer
VERSION:	V4.0
SUMMARY:	This module controls an "Automixer" 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 "Automixer" 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 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 set all the right values for that input.
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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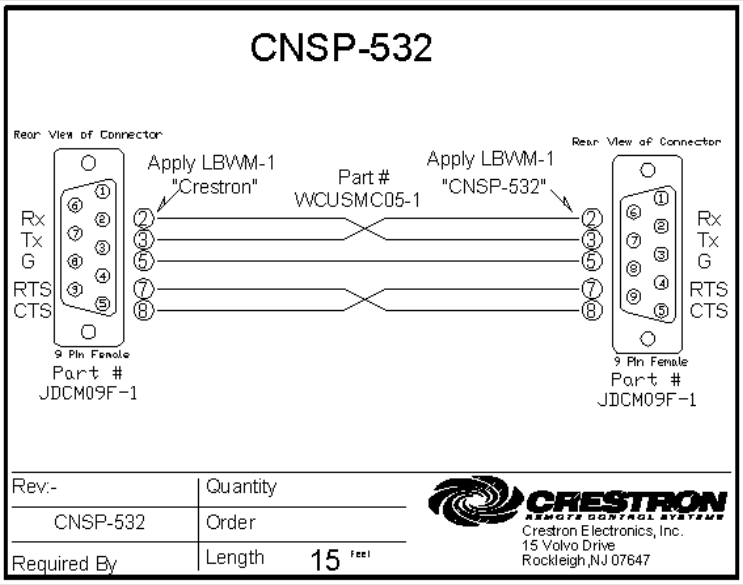
CABLE DIAGRAM:



CONTROL:

gain	A	set the gain for the currently selected input. -inf to +10
subscribeToGain	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the Gain state variable of the currently selected input.
Mute	D	mute the currently selected input
Unmute	D	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 state variable of the currently selected input.
Pan	A	set pan for currently selected input
subscribeToPan	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the Pan state variable of the currently selected input.
polarityOn	D	switch the polarity of the currently selected input on

polarityOff	D	switch the 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 state variable of the currently selected input.
auxX	A	set the gain for aux X of the currently selected input. -inf to +10
subscribeToAux	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the Aux state variables of the currently selected input.
routeToGroupXOn	D	route the currently selected input to group X
routeToGroupXOff	D	stop the currently selected input being routed to group X
subscribeToGroups	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the Group state variables of the currently selected input.
soloOn	D	put solo for the currently selected input on
soloOff	D	put solo for the currently selected input off
subscribeToSolo	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the Solo state variable of the currently selected input.
overrideOn	D	put override for the currently selected input on
overrideOff	D	put override for the currently selected input off
subscribeToOverrride	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the Override state variable of the currently selected input.
offGain	A	set the off gain for the currently selected input. -40 to 0
subscribeToOffGain	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the OffGain state variable of the currently selected input.
autoOn	D	put auto for the currently selected input on
autoOff	D	put auto for the currently selected input off
subscribeToAuto	D	When this input is high, pulsing the subscribe input will cause the module to subscribe to the Auto state variable of the currently selected input.
input	A	set which input is to be controlled. 1d to 48d

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subscribe	D	Pulse to subscribe to the functions (state variables), set by the subscribeTo inputs, of the currently selected input.
unsubscribe	D	Pulse to unsubscribe to the functions (state variables), set by the subscribeTo inputs, of the currently selected input.
rx	S	connected to the "modulesRx" of the correct "BSS Soundweb London Node v4.0.umc" module

FEEDBACK:

gain_fb	A	Gain feedback
mute_fb	D	mute feedback. High when muted
pan_fb	A	pan feedback
polarity_fb	D	Polarity feedback. High when polarity on
auxX_fb	A	aux X feedback
routeToGroupX_fb	D	High when currently selected input is routed to group X
solo_fb	D	Solo feedback. High when solo is on
override_fb	D	override feedback. High when override is on
offGain_fb	A	off gain feedback
auto_fb	D	Auto feedback. High when auto is on
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)

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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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