

SIMPLWINDOWS NAME: BSS Soundweb Source Selector

CATEGORY: Mixer

VERSION: 1.0

SUMMARY: Allows control of volume up/down/mute/slider for a single channel on a BSS Soundweb system

GENERAL NOTES: This module must be used in conjunction with the "BSS Soundweb String Processor" Simpl+ program. The TO-SOUNDWEB-PROCESSOR output of this module must be connected to the FROM_PROGRAM\$ input of the Simpl+ program. If multiple modules are being used, the output of each module should go to a separate input on a single SUM\$ (Serial Concatenation) symbol, and the output of the SUM\$ should go to the Simpl+ program.

The FROM-SOUNDWEB-PROCESSOR input of this module must be connected to the TO_PROGRAM\$ output of the SIMPL+ program. Regardless of how many modules are being used, there should only be one occurrence of the Simpl+ program. Note that this module can only be used in a generation CNX system due to the use of Simpl+

This module allows the control of a single volume or gain channel on a Soundweb system. It allows the volume to be adjusted using up/down buttons, or a slider or both. It also provides control of the mute function. Additionally, it receives true feedback from the Soundweb system indicating the current state of the volume level or mute state.

The LEVEL-CODE-HEX parameter is the hex representation of the level code assigned to the volume channel by the Soundweb Designer software. The CHANNEL-CODE-HEX parameter is the hex representation of the channel code assigned to the mute function by the Soundweb Designer software. See VENDOR-SETUP (below) for more information on determining the level and channel codes for your system.

CRESTRON HARDWARE: CNXCOM, ST-COM (requires Generation CNX system)

SETUP OF CRESTRON HARDWARE: Baud Rate - 38400
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: Soundweb Designer Version 1.14 or later, Soundweb firmware version 9088v120.dis

VENDOR SETUP: The Soundweb system must be configured using the Soundweb Designer Software. After the unit has been configured and loaded, the appropriate channel/level numbers needed for control can be determined. The process is done as follows:

1. Configure the Soundweb system using the Soundweb Designer Software.
2. Drag any functions that are to be controlled into the RS232 Control window. Note that both the control window and the RS232 control window must be in "design" mode to perform this operation.
3. Save and compile the Soundweb design file.
4. Load the Soundweb system from the Network view.
5. Return to the RS232 control window. As you pass the mouse over the different controls, the appropriate level/channel number will be displayed in the bottom left corner of the screen. These are the values that will need to be used in the commands sent to the Soundweb. These numbers will need to be converted into hex format

so1-9 will be 01-09. 10-15 will be 0A-0F. 16-25 will be 10-19, etc.

CABLE NUMBER: CNSP-124

CONTROL:

VOLUME-UP	D	Press and hold to ramp volume level up
VOLUME-DOWN	D	Press and hold to ramp volume level down
VOLUME-MUTE-ON	D	Pulse to discretely mute channel
VOLUME-MUTE-OFF	D	Pulse to discretely unmute channel
VOLUME-MUTE-TOGGLE	D	Pulse to toggle the state of mute
VOLUME-SLIDER	A	Can be connected to a slider object on a touchpanel. If not being used, it should be connected to an INIT symbol with a 0 on the trigger and 0% as the parameter
FROM-SOUNDWEB-PROCESSOR	S	Serial string to be routed from the BSS SOUNDWEB STRING PROCESSOR symbol
LEVEL-CODE-HEX	P	Hex representation of the volume level code to be adjusted
CHANNEL-CODE-HEX	P	Hex representation of the mute channel code to be adjusted

FEEDBACK:

VOLUME-BAR	A	Analog signal representing the current volume level of the channel. Should be routed to a bargraph on a touchpanel
VOLUME-MUTE-ON-FB	D	Indicates that the channel is currently muted
VOLUME-MUTE-OFF-FB	D	Indicates that the channel is currently not muted
TO-SOUNDWEB-PROCESSOR	S	Serial data string to be routed to the BSS SOUNDWEB STRING PROCESSOR symbol. If multiple modules are being used, it should be routed through a SUM\$ symbol before the BSS SOUNDWEB STRING PROCESSOR

OPS USED FOR TESTING: 5.04.05x

COMPILER USED FOR TESTING: SimplWindows Version 1.30.01

SAMPLE PROGRAM: SWEETSTA

REVISION HISTORY: None