SIMPLWINDOWS NAME:	BSS Soundweb 16 Channel Control
CATEGORY:	Mixer
VERSION:	1.0
SUMMARY:	Allows on/off/toggle control of 16 digital channels 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 16 separate channels to be turned on/off or toggled. It is useful for any Soundweb functions for which there is a simple on/off state for a channel, such as matrix routing. If more than 16 channels are needed, you can use multiple modules.
	The CHANNEL-*-CODE-HEX parameters are the hex representations of the channel codes assigned to the functions being controlled by the Soundweb Designer software. See VENDOR-SETUP (below) for more information on determining the 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:

CHANNEL-*-ON	D	Pulse to turn the channel on
CHANNEL-*-OFF	D	Pulse to turn the channel off
CHANNEL-*-TOGGLE	D	Pulse to toggle the state of the channel
FROM-SOUNDWEB-PROCESSOR	S	Serial string to be routed from the BSS Soundweb String Processor symbol
CHANNEL-*-CODE-HEX	P	Hex representation of the channel code to be adjusted

FEEDBACK:

CHANNEL-*-ON-FB	D	True feedback indicating if the selected channel is on
CHANNEL-*-OFF-FB	D	True feedback indicating if the selected channel is off
TO-SOUNDWEB-PROCESOR$	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:	SWEBTSTA
REVISION HISTORY:	None