SIMPLWINDOWS NAME:	None
CATEGORY:	Conferencing
VERSION:	1.0
SUMMARY:	Controls EF1210 functions for noise suppression
GENERAL NOTES:	Each different ASPI device on the ASPI bus will have a unique unit ID. The module requires unit ID values as parameters. The unit ID has to be the HEX representation of the unit ID. For example, for a unit ID of 00, the correct parameters on the module would be 30 for UNIT_ID_HIGH and 30 for UNIT_ID_LOW. For a unit ID of 01, the correct parameters on the module would be 30 for UNIT_ID_HIGH and 31 for UNIT_ID_LOW. The module uses real feedback from the ASPI unit for all outputs. The POLL_BEGIN and POLL_END can be used to do an initial poll of the ASPI units for their current status. The modules which have these inputs should daisy chain together with the POLL_END output of the first module triggering the POLL_BEGIN input of the next module. POLL_END of the last module does not get attached to another module. See the example program for proper implementation of this function. The ASPI Serial String Que must be used to ensure that ASPI bus traffic is handled properly. Failure to implement this module may result in improper feedback from the ASPI units. See the example program for proper implementation of this function.
CRESTRON HARDWARE REQUIRED:	CNXCOM-2, ST-COM, CNXCOM, CEN-COM
SETUP OF CRESTRON HARDWARE:	Tested and verified at the following settings: Baud Rate - 9600 Parity - None Data Bits - 8 Stop Bits - 1 No Handshaking
VENDOR FIRMWARE:	1.01
VENDOR SETUP:	None
CABLE NUMBER:	CNSP-121

CONTROL:

SUPPRESSION_CH(1-8)_NORM	D	Select normal suppression for channel
SUPPRESSION_ALL_NORM	D	Select normal suppression for all channels
SUPPRESSION_CH(1-8)_AGGRESSIVE	D	Select aggressive suppression for channel
SUPPRESSION_ALL_AGGRESSIVE	D	Select aggressive suppression for all channels
		Digital trigger used to request an update poll for real feedback

POLL_BEGIN	D	status. This only needs to be implemented at program startup a status update is desired
ASPI -RX$	S	Serial data string to be routed from the RX$ of a COM port

FEEDBACK:

SUPPRESSION_CH(1-8) _NORM_FB	D	Real feedback indicating channel in normal suppression mode
SUPPRESSION_CH(1-8) _AGGRESSIVE	D	Real feedback indicating channel in aggressive suppression mode
POLL_END	D	Digital signal to be looped to the next ASPI module to continue status update request chain
ASPI_TX$	S	Serial data string to be routed to the TX$ of a com port

PARAMETER DESCRIPTIONS:

UNIT-ID-HIGH	P	Hex version of EF1210's upper nibble of the unit ID. For ID 00, use 30. For ID 10, use 31.
UNIT-ID-LOW	P	Hex version of EF1210's lower nibble of the unit ID. For ID 00, use 30. For ID 01, use 31.

OPS USED FOR TESTING:	5.10.11
COMPILER USED FOR TESTING:	SimplWindows Version 1.40.07
SAMPLE PROGRAM:	EF1210 TEST REV1.SMW
REVISION HISTORY:	ASPI EF1210 SUPPRESSION2 - Original