SIMPLWINDOWS NAME:	Denon AVR-5800
CATEGORY:	Receiver/Processor
VERSION:	1.0
SUMMARY:	Controls all standard functions and provides true feedback
GENERAL NOTES:	This module will control all of the standard functions on a Denon AVR-5800 Receiver. True feedback for some functions is provided by the receiver. Functions provided include main zone control, as well as zone 1, 2, and record zone source selection, surround mode selection, surround speaker level adjustments, and tuner preset selection. True feedback is provided for Main zone source selection, Main Power, Main Volume, Channel Volume, Main Mute, and Surround Mode. Simulated feedback is generated by this module for the remaining functions.

Note that for surround mode selection, certain selections are only valid while certain sources are selected. So choosing a particular surround mode may actually cause a slightly different mode to be activated on the Denon system. However, since true feedback is provided, the actual surround mode currently active will be reflected on the output of this module. Also note that some functions for multi-zone 1, 2 and record zones are not valid at all times. |
CRESTRON HARDWARE REQUIRED:	CNXCOM, ST-COM
SETUP OF CRESTRON HARDWARE:	Baud Rate - 9600 Parity - None Data Bits - 8 Stop Bits - 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	None
CABLE NUMBER:	CNSP-121

CONTROL:

POWER_ON/OFF	D	Power the unit on/off
MAIN_VOLUME_UP/DOWN/MUTE	D	Adjust the volume level in the main zone
*_INPUT	D	Select the source to be heard in the main zone
SURROUND_MODES	D	Select the surround mode for the main zone
SPEAKER_LEVEL_ADJUSTMENTS	D	Adjust the speaker levels for each of the surround speakers
ZONE_1_*	D	Select the source for zone 1
ZONE_2_*	D	Select the source for zone 2
REC_*	D	Select the source for the record zone
TUNER_PRESET_UP/DOWN	D	Step through the tuner presets sequentially
TUNER_PRESET_*	D	Discretely select any tuner preset
FROM_DEVICE$	D	Serial signal to be routed from a 2-way RS232 port

FEEDBACK:

POWER_ON/OFF_FB	D	True feedback indicating if power is on/off
MAIN_VOLUME_BAR	D	True feedback indicating the relative volume level in the main zone. Should be routed to a bargraph on a touchpanel
MAIN_VOLUME_TEXT$	S	True feedback indicating the volume level in the main zone in dB format. Should be routed to an indirect text field on a touchpanel.
MAIN_VOLUME_MUTE_*_FB	D	True feedback indicating if main zone volume is muted
*_INPUT_FB	D	True feedback indicating the source selected in the main zone
SPEAKER_LEVEL_TEXT$	S	True feedback indicating the level of each of the surround speakers in dB format. Should be routed to indirect text fields on a touchpanel.
ZONE_1_*_FB	D	True feedback indicating which source is selected in zone 1
ZONE_2_*_FB	D	True feedback indicating which source is selected in zone 2
REC_*_FB	D	True feedback indicating which source is selected in the record zone.
TO_DEVICE$	D	Serial signal to be routed to a 2-way RS232 port.

OPS USED FOR TESTING:	5.12.26x
COMPILER USED FOR TESTING:	SimplWindows Version 1.61.12
SAMPLE PROGRAM:	Denon AVR-5800 Demo
REVISION HISTORY:	None