

SIMPLWINDOWS NAME: Denon AVR-2803 + AVR-3803

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-2803/3803 Receiver. True feedback for most functions is provided by the receiver. Functions provided include main zone control, as well as zone 1 and record zone source selection, surround mode selection, surround speaker level adjustments, and tuner band/preset selection.

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.

Note that the following surround modes are not valid on the AVR-2803:

- Pure Direct
- Wide Screen
- Super Stadium
- Classic Concert

Also note that some input/output signal names may have an additional name in parentheses. This additional name is for compatability with Crestron's Application Builder software.

CRESTRON HARDWARE REQUIRED: CNCOMH-2
CNXCOM
ST-COM
C2-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-568

CONTROL:

POWER_ON/OFF	D	Power the entire 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
MAIN_ZONE_ON/OFF	D	Power on/off the main zone only
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_1_ON/OFF	D	Power on/off zone 1 only
REC_*	D	Select the source for the record zone
TUNER_BAND_AM/FM	D	Select the band for the tuner
TUNER_MODE_AUTO/MANUAL	D	Select the tuning mode
TUNER_PRESET_UP/DOWN	D	Step through the tuner presets sequentially
TUNER_PRESET_*	D	Discretely select any tuner preset
FROM_DEVICE\$	S	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 touch panel
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 touch panel.
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 touch panel.
ZONE_1_*_FB	D	True feedback indicating which source is selected in zone 1
REC_*_FB	D	True feedback indicating which source is selected in the record zone.
TUNER_BAND_AM/FM_FB	D	True feedback indicating which band is selected
TUNER_MODE_AUTO/MANUAL_FB	D	True feedback indicating which tuner mode is active
TUNER_PRESET_*_FB	D	True feedback indicating which tuner preset is selected
TO_DEVICE\$	S	Serial signal to be routed to a 2-way RS232 port.

OPS USED FOR TESTING: 5.12.63x.upz, 3.018.cuz
COMPILER USED FOR TESTING: SimplWindows Ver 2.03.12
SAMPLE PROGRAM: Denon AVR-2803+ 3803 Demo
REVISION HISTORY: None