Driver Datasheet

INTRODUCTION

This document describes the current functionality and use of the generic NAD CI-Amp chassis driver for use with Crestron custom control systems. This driver is not compatible with Crestron Home.

FIRMWARE REQUIREMENTS

Please ensure that your NAD CI amplifier has been updated to a minimum of Firmware v2.26.

SUPPORTED FEATURES

The driver is primarily focussed on control and has been implemented against the official NAD protocol documentation v1.4. True feedback (polled) is provided where possible, as detailed below.

- Power State Control
- Power State Feedback
- Global Control (no feedback)
- Output Source Routing (no feedback)
- Output Mute Control
- Output Mute Feedback
- DSP Preset Selection (no feedback)

Power and Mute feedback will only update when polled manually

CRESTRON SUPPORT

The module is written in SIMPL/SIMPL+ and is therefore compatible with Crestron processors from 2-Series onwards.

A single module covers the CI-8 and CI-16 channel amplifiers. If you attempt to control a non-existent output (e.g. Output 9 of a CI-8) then unit will respond with an error, but the module will ignore this.

USAGE

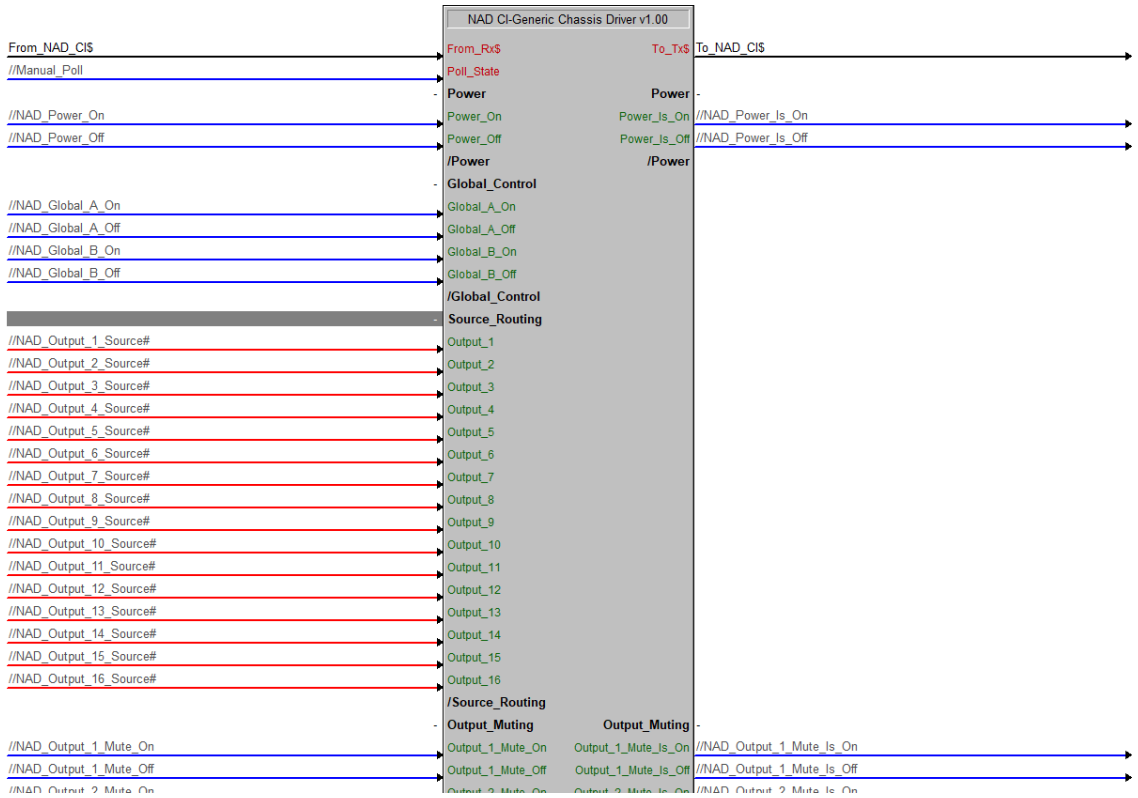
You will need an TCP Client symbol in the Crestron program, configured to point to the amp's IP address and using port 52000.

Numerical values for inputs, outputs and presets are presented with a base of 1.

I.e. To select input 3 on Output 1, send the decimal value 3 (in Crestron speak "3d") to Output_1.

All channels are discrete – if you wish to switch a stereo source to a stereo output, you must set BOTH outputs to the appropriate input channels. The same holds true for mute, and preset selection.

The Chassis driver has sections, as shown below, for connection to the TCP client, manual polling, power control, global control, source routing, output muting and output preset selecion



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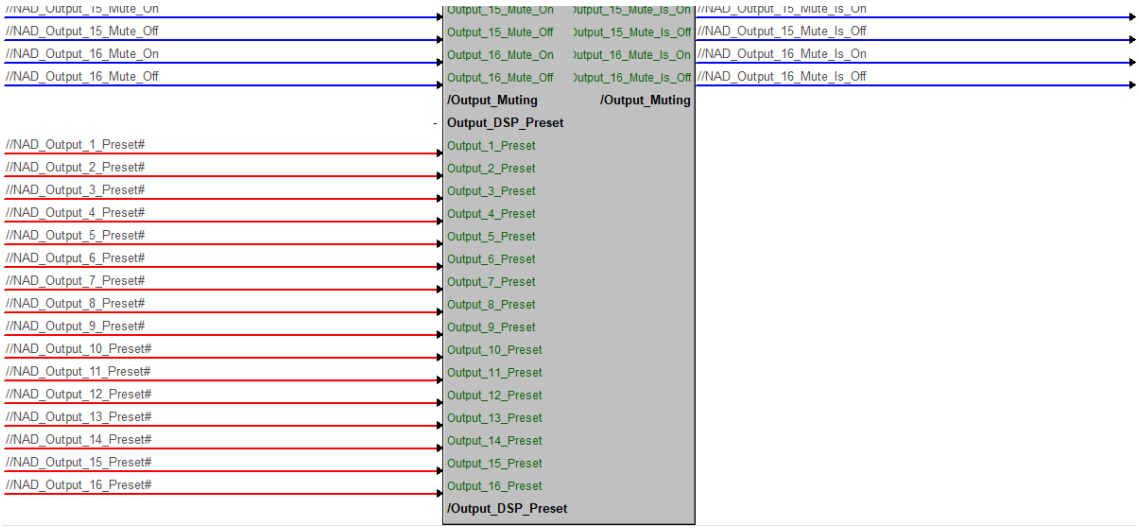

All digital signals are rising edge triggered.

All analogue signals are triggered on change – there is no “Take” signal.