



# CHASSIS DRIVER INTEGRATION BULLETIN

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<b>Product</b>	CI 8-120, CI 8-150, CI 16-60	<b>Reference No.</b>	CDIB-CIAMP2022-02
<b>Subject</b>	CI 8-120, CI 8-150, CI 16-60 Control4 Chassis Driver	<b>Date</b>	31 March 2022

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<b>DESCRIPTION</b>	Describe current functionality and use of the generic NAD CI-Amp chassis driver for use with <b>Control4</b> custom control systems
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## INTRODUCTION

This document describes the current functionality and use of the generic NAD CI-AMP chassis driver for use with Control4 systems.

## FIRMWARE REQUIREMENTS

Ensure that your NAD CI amplifier has been updated to the following minimum firmware versions

- CI8-120 Mainmcu Version v2.26
- CI8-150 Mainmcu Version v2.15
- CI16-60 Mainmcu Version v2.05
- Control4 OS updated to a minimum v3.2.4

## SUPPORTED FEATURES

The driver provides few basic proxy commands:

Mute On / Off / Toggle

## NOTE

*The AMP does not provide volume control. Volume and mute need to be controlled by upstream device.*

*When doing the endpoint binding in Composer, the amp gets the Audio Endpoint and upstream device gets the Audio Volume Endpoint.*

This driver also provides the following Device Specific Commands for programming:

- Turn Power On/Off
- Toggle Power
- Set Power Method
- Set Green Mode



# CHASSIS DRIVER INTEGRATION BULLETIN

## DESCRIPTION

Describe current functionality and use of the generic NAD CI-Amp chassis driver for use with **Control4** custom control systems

- Set Delay Time
- Set Output Preset
- Set Global Control (On/Off)
- Set Input Gain
- Set Output Gain
- Set Output Source
- Set Stereo/Mono
- Set Bridge
- Set Output Mute
- Toggle Flash LED On/Off
- Toggle DHCP On/Off

## USAGE

### Audio path

Upstream device audio out (e.g. Stereo) feeds the AMP Line In (e.g. Line In 1)

The screenshot shows the Control4 Connections window with the 'Control & Audio Video Connections' tab selected. The 'Flat Endpoint' section lists the following connections:

Name	Type	Connection	Input/Output	Connected To
<b>Audio/Video Outputs</b>				
HDMI Output 1	Video	HDMI	Output	
HDMI Output 2	Video	HDMI	Output	
Audio Output	Audio	DIGITAL_OPTICAL	Output	
Audio Output	Audio	DIGITAL_COAX	Output	
Audio Output	Audio	STEREO	Output	NAD Amplifier CI-16-60->Line In 1
Audio Output	Audio	SPEAKER	Output	
<b>Control Outputs</b>				

The 'STEREO Input Devices' section shows the following configuration:

Device	Name	Location	Connections
NAD Amplifier CI-16-60	Line In 1	CI Chassis Room	Flat Endpoint->Audio Output



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## Audio/Volume Endpoint

CI AMP Audio is bound to NODE Room Audio Endpoint where upstream device is.

File Driver Go Tools Feedback Help

Connections

Control/AV Network

SOUNDBAR Room

Tick Tick

Tick Tick Endpoint

PULSE Room Neo Remote

DVD Room

Sharp DVD-S48

CI Chassis Room

NAD Amplifier CI-16-60

Advanced Lighting

System Design

Connections

Media

Agents

Control & Audio Video Connections

NAD Amplifier CI-16-60

Name	Type	Connection	Input/Output	Connected To
Line Out 16	Audio	STEREO	Output	
Global Output	Audio	STEREO	Output	
Room Control				
Room Selection - Zone 1 Output	RoomControl	AUDIO_SELECTION	Output	NODE Room->Audio End-Point 1
Room Selection - Zone 1 Output	RoomControl	AUDIO_VOLUME	Output	
Room Selection - Zone 2 Output	RoomControl	AUDIO_SELECTION	Output	PULSE Room->Audio End-Point 1
Room Selection - Zone 2 Output	RoomControl	AUDIO_VOLUME	Output	
Room Selection - Zone 3 Output	RoomControl	AUDIO_SELECTION	Output	SOUNDBAR Room->Audio End-Point 1
Room Selection - Zone 3 Output	RoomControl	AUDIO_VOLUME	Output	
Room Selection - Zone 4 Output	RoomControl	AUDIO_SELECTION	Output	DVD Room->Audio End-Point 1
Room Selection - Zone 4 Output	RoomControl	AUDIO_VOLUME	Output	

AUDIO\_SELECTION Input Devices

Filters: All Rooms All Connections

Device	Name	Location	Connections
NODE Room	Audio End-Point 1	Main	NAD Amplifier CI-16-60->Room Selection - Zone 1

Upstream device (Flat) is bound to its own room's (NODE Room) Audio Volume Endpoint.

File Driver Go Tools Feedback Help

Connections

Control/AV Network

SM SoundMachine

Spotify

Tidal

TuneIn

Tunify

WIMP

NODE Room

Flat

Flat Endpoint

PULSE Room

System Design

Connections

Media

Agents

Programming

Control & Audio Video Connections

Flat Endpoint

Name	Type	Connection	Input/Output	Connected To
Stop Button Link	Control	BUTTON_LINK	Output	
Skip Fwd Button Link	Control	BUTTON_LINK	Output	
Skip Rev Button Link	Control	BUTTON_LINK	Output	
Play/Pause Toggle Butto...	Control	BUTTON_LINK	Output	
Room Control				
Room Selection - Output	RoomControl	AUDIO_SELECTION	Output	
Room Selection - Output	RoomControl	AUDIO_VOLUME	Output	NODE Room->Audio Volume 1

AUDIO\_VOLUME Input Devices

Filters: All Rooms All Connections

Device	Name	Location	Connections
CONTROLLER Room	Audio Volume 2	Main	
NODE Room	Video Volume 1	Main	
NODE Room	Audio Volume 1	Main	Flat Endpoint->Room Selection - Output
NODE Room	Video Volume 2	Main	