



IA150-8C IP

IA200-2C IP

IA800-2C IP

Control4 Driver User Guide



Driver developed by



## Introduction

This driver has been designed to provide control of the MonitorAudio IAXXX series ( IA150-8C, IA200-2C and IA800-2C) Amplifiers via IP. This driver has been written and tested using firmware version 1.26.

## IAXXX-XC Configuration

It is recommended that the system be installed, configured and tested by a suitably qualified engineer, according to MonitorAudio documentation, prior to integration with this driver. Some additional, specific configuration is required to ensure correct operation of the driver.

## Driver Installation

Copy the appropriate driver file "amplifier\_monitoraudio\_IAXXX-XC\_ip.c4z" from the zip package to your Control4 driver location (by default this is Documents\Control4\Drivers). Open Composer and choose the **Search** tab from the **Items** pane.

**Items**

Locations
Discovered
My Drivers
Search

Local
 Online
 Certified Only
[Clear Search](#)

Category:

Type:

Manufacturer:

Control Method: 
Sort:

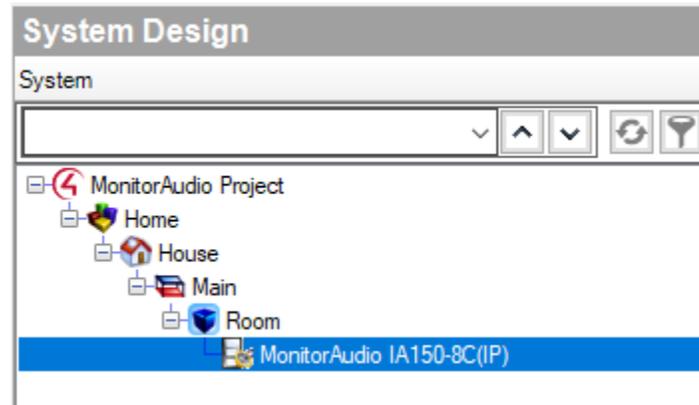
<b>MonitorAudio IA800-2C(IP)</b> MonitorAudio    14/02/2018 14:18 <span style="background-color: black; color: white; padding: 2px 5px; border-radius: 3px;">Local</span>
<b>MonitorAudio IA200-2C(IP)</b> MonitorAudio    14/02/2018 14:18 <span style="background-color: black; color: white; padding: 2px 5px; border-radius: 3px;">Local</span>
<b>MonitorAudio IA150-8C(IP)</b> MonitorAudio    14/02/2018 14:18 <span style="background-color: black; color: white; padding: 2px 5px; border-radius: 3px;">Local</span>

**Figure 1: Driver Search**

The driver can be found under:

Device Type: Amplifier  
 Manufacturer: MonitorAudio

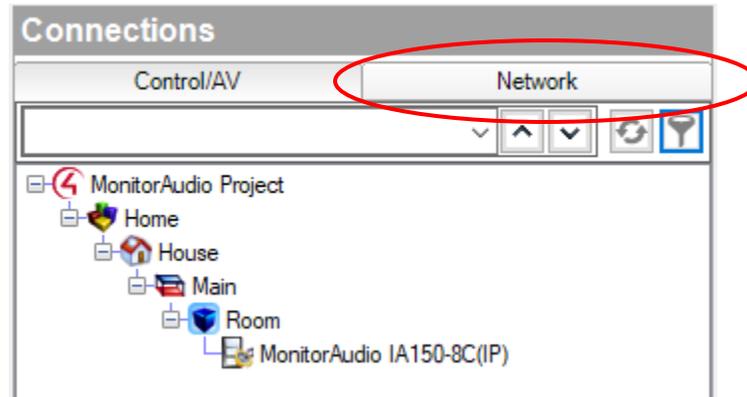
Add the appropriate driver into your project.



**Figure 2: Driver**

## Driver Configuration (IP)

In the **Connections** pane, select **Network** from the top.



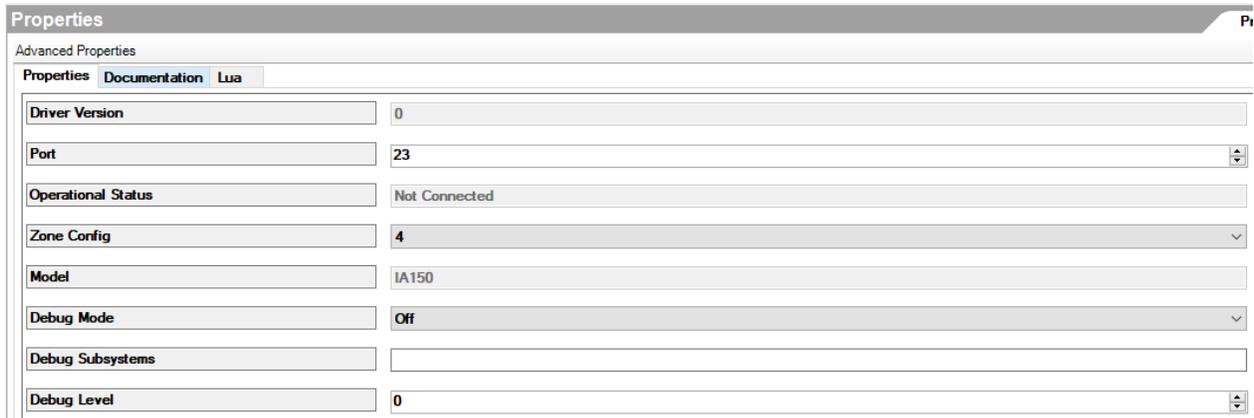
**Figure 3: Network Tab**

Double click on the device and then enter its IP address. The IP address can be found by following the instructions in the installation manual.

IP Network Connections						
Identify		Disconnect				
Device	Room	Type	Address Type	Address	IP Address	
 MonitorAudio IA150-8C(IP)	Room	c4.lua_gen	IP			

**Figure 4: Network Connections**

Now that the connections are established the driver properties should be populated with information from the amp the next time you start the Home Controller up.

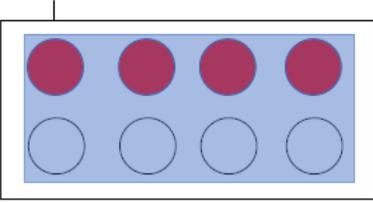
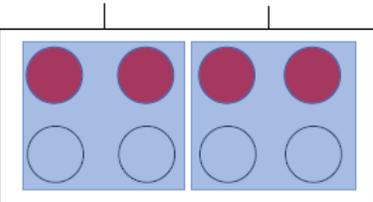
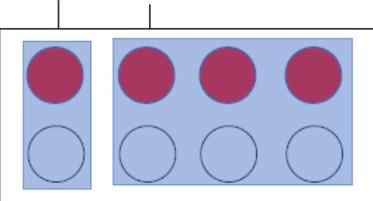
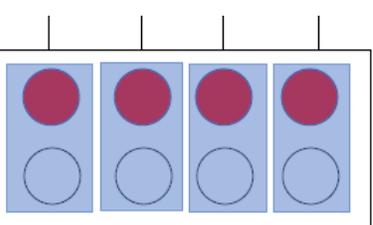


**Figure 5: Driver Properties**

The following properties are available, some of which are user editable:

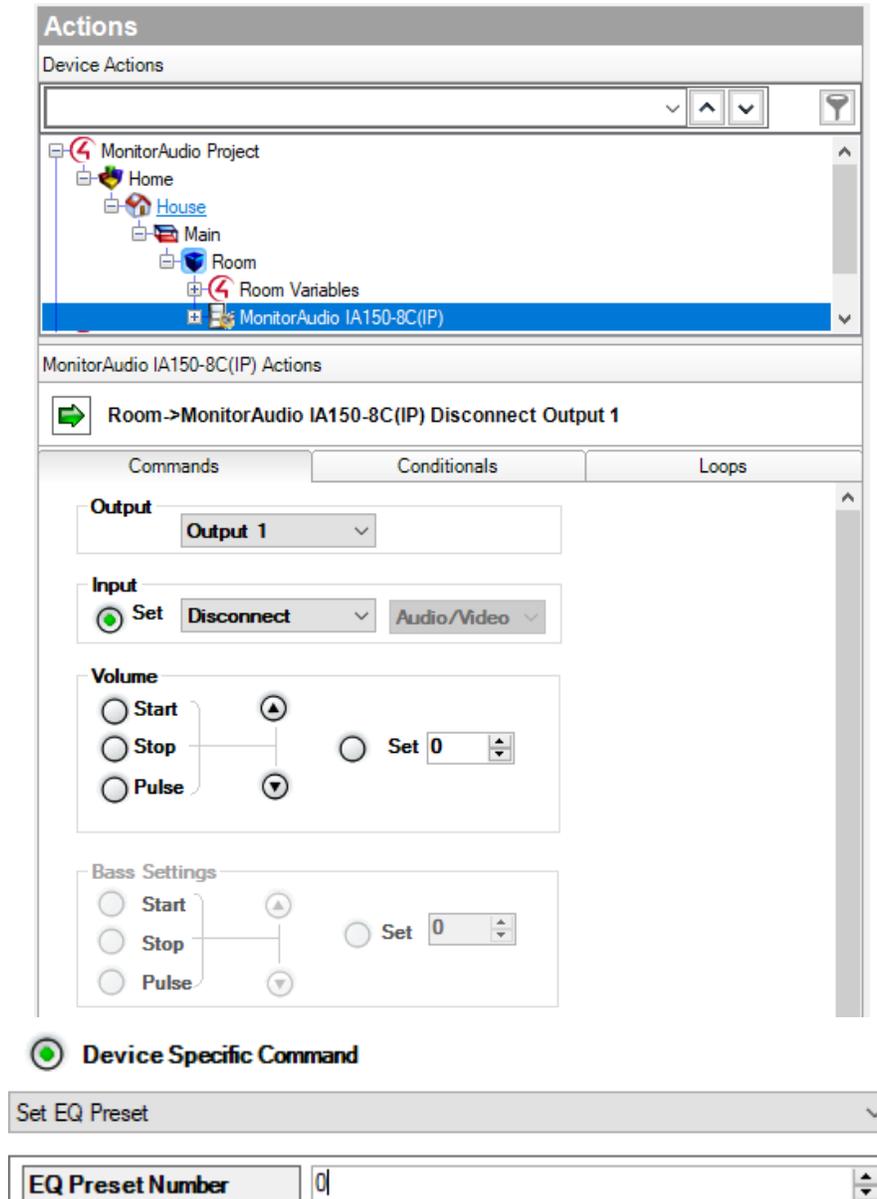
Setting	Description
Driver Version	Reports the release version of the driver
Port	Specify the port number used to communicate with the amplifier (default 52000)
Operational Status	Reports the current connection status
Zone Config	Specify the amount of zones required. 1: all stereo pairs are combined to one zone – end-point 2, 3 & 4 will not be used  2: first 2 stereo pairs routed to one zone and the other 2 pairs to a second zone – end-point 3 & 4 will not be used  3: first stereo pair is routed to one zone and the other 3 stereo pairs to a second zone – end-point 3 & 4 will not be used  4: each stereo pair are routed to their own zone – all end-points can be used
Model	The IAXXX model for which the driver is intended for use
Debug Mode	For support use only
Debug Subsystems	For support use only
Debug Level	For support use only

**Table 1: Driver Properties**

Zone Config Setting	
<b>1</b>	
<b>2</b>	
<b>3</b>	
<b>4</b>	
<b>Table 2: Grouping Illustration</b>	

## Driver Commands

The driver features a number of commands used for control. Choose the **Programming** pane and select the driver in the **Device Actions** window:



**Figure 6: Driver Commands**

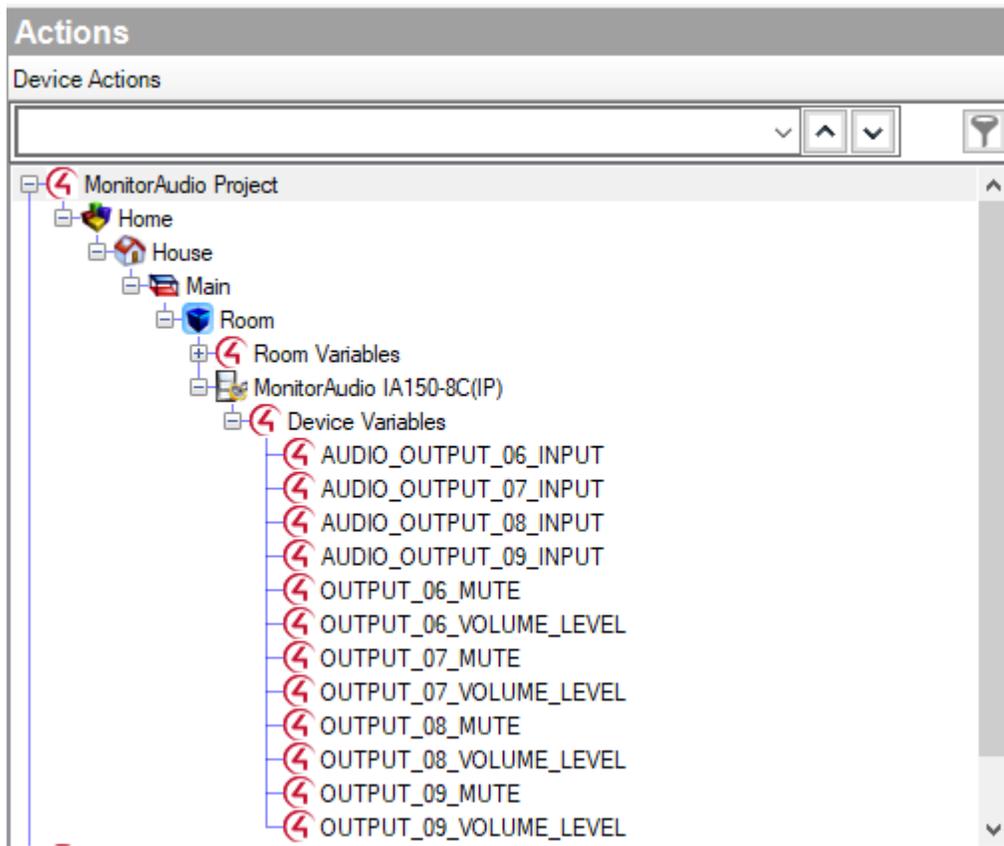
The driver contains the usual commands found in amplifier drivers, including discrete input selection as well as the ability to raise, lower, and set volume. Additionally exposed are some Device Specific Commands.

Field	Description	Valid Inputs
EQ Preset Number	EQ preset number	0-49
Stereo State	Mono or Stereo	Stereo, Mono, Toggle
Output	Output End Point (Zone)	1-4 (IA200 and IA800 are readonly)

**Table 3: Commands**

## Driver Variables

The driver features a number of variables for each zone, which provide feedback from the system.



**Figure 7: Driver Variables**

Variable	Description
AUDIO_OUTPUT_xx_INPUT	The current input
OUTPUT_xx_MUTE	The current mute status
OUTPUT_xx_VOLUME_LEVEL	The current level for volume

**Table 4: Driver Variables**