

CONTROL4 SAMPLE INSTALL FOR AUTONOMIC STREAMERS AND AMPLIFIERS

COMPATIBLE WITH



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MMS·5E	
	0
MMS·3E	
MMS·1E	

040419

Control (os 2.10.5

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Vocabulary

MCP Driver

MMS control program driver or MCP, also known as the central driver, is the conductor of the MMS drivers. It makes communication between the MMS and processor appear similar to an MAS setup. According to the server, the MCP driver is an Autonomic amplifier, which allows communication with other control 4 compatible amplifiers.

Instance Driver

The Instance driver represents and controls a single output on the MMS. One driver is needed per output on the MMS.

- A Series Instance: Instance driver for MMS-5A and MMS-2A servers
- eSeries instance: Instance driver for MMS-1e, MMS-3e and MMS-5e streamers.

Favorites Driver

The Favorites driver will display and grant access to all saved favorites on the MMS. Favorites can also be linked to actions in the programing section under a specific room, they will appear as a broadcast audio items when browsing for media.

Service Drivers

Service drivers are drivers for all the embedded streaming services offered on the MMS.

Amp Driver

Provides user control over power, volume, source selection and zone selection for any Autonomic amplifier.

MCP Actions

Configure MMS

This action informs the MCP server of the available outputs based on the drivers available in the Control4 program.

Refresh Driver State

The MCP server makes every effort to maintain up to date information on all of its bound Service drivers, but this can be forced using this action.

Update Rooms

The MCP driver requires a current list of Autonomic services for each room in the project. It is important to press this button after adding or removing rooms and after completing initial setup.

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Pre-Configuration

Confirm MMS is running the minimum required firmware.

- Autonomic Amplifiers should be on the latest public release
- MMS minimum supported firmware for Control4 driver
 - MMS-5A and MMS-2A: minimum firmware v. 5.3.5 or greater
 - MMS-1e, MMS-3e, MMS-5e: minimum firmware v. 6.1.20190206.2

All eSeries systems comprised of "e" servers and amplifier models must be set on different stack IDs

Configuration

 To begin, select the System view and add the amplifier driver. All drivers can be found by selecting the search tab in the Items box. Be sure to uncheck online to ensure the recently downloaded drivers are being used.

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2. In the text field enter "Autonomic" and all drivers will populate. Double click the **M801e** driver to add it to your program.

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3. Select the Connections view and set the end points to the zone

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Master		Output 5 Audio End-Point	RoomControl	AUDIO_VOLUME	Output			
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4. Go back to **Systems** view and set the amplifier IP address. After setting it, wait for the **Status** field to change to "Amplifier found OK".

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5. Add the rest of the drivers, beginning with the MCP driver followed by the Instance drivers.

NOTE: Remember to add one instance driver per output of the MMS. Adding a streamer requires adding another Instance driver, however stacking amplifiers does not require adding another amplifier driver per amp in the stack. Be sure to have two system ID groups. One for the MMSs and another for the Amps.

- 6. Use the "A Series" instance driver for A series units. Use an "eSeries" instance driver for eSeries servers.
- 7. Add all the drivers for the streaming services applicable for the end user.

NOTE: All account credentials for streaming services need to be added on the configuration page of the MMS.

 Select the MCP driver and enter the IP address of the MMS. Once Control4 has discovered the MMS, the status field will change to "Connection OK".

Note: The screenshot below shows an A Series MCP Instance driver.

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9. Set each instance driver to an output on the MMS. Select an instance driver and choose the output from the drop down menu.

A Series MCP Instance Driver Setup shown below:

NOTE: Be sure to click on the set button after an output has been chosen.

Composer 29.1 - Complete.c4p Eile <u>Driver Go Tools Help</u> System Design _ 0 × Properties Properties List View Items Locations Discovered My Drivers Search System ced Pro ~ ~ ~ 0 9 Pm erties Documentation Lua autonomic New Project 192, 168, 12, 195 IP Address Local Online Certified O 1 He MMS Instance Set Cancel – All Device Types – $\ \sim$ – All Manufacturers $\ \sim$ Main Player_A Player_B Player_C Player_D USB Sort by: Relevance Results v Uving M801e (32 zones Distributed) MMS MCP - 2A instance for Mrage Media Server Favorites for Mirage Media Serv Debug Mode Autonomic Controls, Inc Media Serv 6/6/2017 2:29 PNet k Local WoW Switch Keypad UUIN ique Auto 1/29/2016 10:00 Local others System Design Connections 💮 Hedia Agents 2 Programming < Previous Next > 22-23 of 23 Connected to 192.168.1.199 (SSL) Director Status: Idle

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	Properties	Properties List View	Items
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eSeries MCP Instance Driver Setup is shown below:

10. Now, go back to the "Connections" view and select the amplifier driver. Bind the instance driver to its corresponding amplifier input. Bind the physical output of the streamer to the amplifier input for A series streamers.

A Series amp driver selection process shown below:

ile <u>D</u> river <u>Go</u> <u>I</u> ools <u>H</u> elp								Minimize wind	Minimize wind
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Eile Driver Go Tools Help Minimize window Minimize wind nic StreamA - Laura Control/AV Name Type Connection Input/Output Connected To · · · • • • Audio/Video Inputs New Home MMS Instance Audio RF_AUTONOMICNET_... Input MMS MCP - 1e->Instance 2 Audio/Video Outputs Audio Out Audio Out Audio Out 2 M Audio STEREO Output Output Audio Audio DIGITAL_OPTICAL DIGITAL_COAX Wing M801e (32 zones Distributed) Output Instance for Mirage Media Server instance for Mirage Media Server iHeartRadio for Mrage Media Serve Dring Kitcher laster RF_AUTONOMICNET_EAUDIOSTREAM Input Devices jarage Device Ber M01e (32 zones Darbuskel) Ber M01e (32 zones Darb ront Name Location Name eAudioCast 1 eAudioCast 2 eAudioCast 3 eAudioCast 4 eAudioCast 5 eAudioCast 6 eAudioCast 7 eAudioCast 9 eAudioCast 10 eAudioCast 11 eAudioCast 11 eAudioCast 11 Autonomic StreamB - Brian->eAudioCast Autonomic StreamA - Laura->eAudioCast Sources Room 6 nced Lighting System Design Connections eAudioCast 12 eAudioCast 13 eAudioCast 14 eAudioCast 15 eAudioCast 16 eAudioCast 17 eAudioCast 17 eAudioCast 18 eAudioCast 19 eAudioCast 19 🕞 Hedia Agents 2 Programming Director Status: Idle Connected to 10.16 Ocnnected to 10.164.0.211 (SSL)

eSeries amp driver selection process shown below:

Binding the driver shown with an A Series driver.



- 11. Select the MCP driver and click on the "Actions" tab. The actions tab contains three buttons that will finalize the project.
 - a. First select the "Update Rooms" button and wait for the idle status.
 - b. Click on "Refresh Driver State".
 - c. Select the "Configure MMS" button.

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er van	Update Rooms		Results Sort by: Relevance
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Recall a Favorite

A favorite can be recalled to a single room or more using a Control 4 remote. Start the process in the **programming** view of Composer.

- 1. In the **programming** view, select a room from the device events window.
- 2. Go to the rooms events and select commands.
- 3. Choose the button press to program.
- 4. In the device actions window select the room in which the event will take place.
- 5. From the **rooms action window** choose **"Select Media"**, which will open up the browse for media pop up window.



6. Click Broadcast Audio in the pop up window and choose a favorite.

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 After choosing a favorite, drag the Room Actions command to the middle script field. A one button press has now been created, favorites recall to one room.

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ring Events			Living Actions
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Custom IR Code			
500 😒			O Select an Audio Device
System Design			Living->Favorites for Mirage Media Server
Connections			Select a Video Device
🍠 Hedia			Oceant
Agents			() commands
2 Programming			
			Pulse Start Stop
and the second second			

- 8. To make the favorites event occur in more than one room:
 - a. Click on the drop-down for the second rooms variables in the Device actions window and select **"Current_Selected_Device"**.
 - b. In the action window, click **"Set to Value of"** and choose the room to which the favorite was first configured with, and the **"Current_Selected_Device"** parameter.
 - c. Drag the action command to the middle script field. Repeat these steps to add more rooms.

Gomposer 2.9.1 - New Project (Local)			- 0 ×
<u>File Driver Go Tools H</u> elp			
Programming	Script		Actions
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Device Events	Scriet When command '-' is received Select the channel "Beethoven - Beethoven" in Living Select the channel "Beethoven" in Living Select the channel "B	Execute	Device Actions Image Meda Server Image Setto Value
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Isolate an Output to a Specific Room

Go to the systems design view and select the room to which an output will be isolated. Click the **Navigator** tab in the **Properties** window and select **Music** in the submenu filters. Next, select the **Modify** button from the **Device Visibility** and **Display Order** window.

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In the pop up window, hide the instances which the room should not be using. Only leave visible the instance that will be designated to the room. Make sure this visible instance is hidden in every other room otherwise the other rooms will have access to it.

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Once customization is completed, go through all the MCP actions starting from **Update Rooms** to ensure they are properly set.

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- Converge with a higher standard.

It is possible to hide the Instance drivers from the navigator panels. This is only recommended when all Instances are available in all rooms. To hide Instance drivers from the navigator panels, go to the Navigators tab in Composer and select Listen from the Experience Menus. Next, select the Modify button from the Device Visibility and Display Order window.

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Vergramming	September 2018					

In the pop up window, hide all the instances so they do not appear in the **Navigator** panel.

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System Design System Design Connections Hedia Agents Programming				

MirageAudioSystem.com

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Complete this process for every room so the instances will always be hidden.

Technical Support

If you require further assistance with configuring the Control4 Driver Suite for the Mirage Media Server, please contact Technical Support at (866) 838-5052, or email techsupport@snapav.com. You can also visit the Autonomic Knowledgebase (http://www.autonomic-controls.com/kb) for troubleshooting information and access to submitting a support ticket.