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THE SOURCE OF PURE SOUND

URC Driver v1.2 for Mirage Media Server | 2 of 15

Quick Start

To quickly setup a system, follow these steps:

- 1. Add the driver for all the outputs you'd like to use in the URC Total Control environment.
- 2. Enter the IP address of the MMS.
- 3. Ensure that the drivers are bound properly according to the <u>Configuration</u> section below.
 - a. The driver name specifies what output the driver is for.

Overview

The Autonomic URC v1.2 driver suite allows for convenient programming of all models of the Mirage Media Server (MMS) in a URC Total Control System environment. The driver suite is compatible with URC Total Control Systems tested on May 3, 2017 and MMS firmware 6.0.20170328.0 or higher.

Autonomic Mirage Media Servers offer up to six audio outputs (MMS-5A), each with full access to local and internet-based content such as Pandora[®], Spotify[®], Rhapsody, SiriusXM[®], Slacker Radio[®], TIDAL, Deezer, Napster[®], and TuneIn Radio, bridging them together with revolutionary TuneBridge[®] functionality. Each output of the server is fully and discretely controllable.

This driver suite was developed and tested with URC Accelerator software v4.8.0223.2, running on Total Control System, consisting of MRX-20 controller and supported URC clients, including TKP-7000 and TKP-2000 touch panels, TRC-1080 remote, and URC Mobile app for iOS and Android Devices.

Features

Version 1.2 of the MMS driver suite integrates fully into the URC Total Control system. It offers functionality for each of the streaming services (Spotify, Pandora, TIDAL, TuneIn, Rhapsody, Napster, Deezer, SiriusXM, and Slacker) as well as full access to all local and streaming content.

Each output in the driver maps directly to the corresponding output on the MMS server, making MMS outputs available for standard output configurations in the URC environment. The MMS driver contains one-way commands which can be mapped to buttons on URC clients, and also two-way user interfaces for URC clients mentioned above. The one-way driver commands are capable of functioning even while the MMS module is not running on the URC client.

Getting Started

The Autonomic URC v1.2 driver suite for all models of the MMS is compatible with URC Total Control System. Please verify that you are running the latest version of URC Accelerator software and the Mirage Media Server firmware is up to date before proceeding.

You can check and update your firmware version on the MMS by going to the Firmware tab on the server's web configuration (http://server-ip/config/Software.aspx) or from the Autonomic Dealer Zone company account associated with the MMS (http://dealerzone.autonomic-controls.com).

The latest URC Accelerator software is available from the URC Dealer Portal for authorized URC dealers. If you're not an authorized dealer, please contact URC: http://www.universalremote.com/contact_us.php

Download the Drivers

All Mirage Media Servers control drivers are available on our Downloads page, found at http://www.autonomic-controls.com/support_downloads.php.

To download the **URC v1.2 Driver Suite**, simply click on the link labeled URC Driver Suite v1.2 to start the download of the zip file.

Inside The Download:

• Autonomic MMS v1.2.tcm



Details of Driver Communication

The central controller (MRX-8, MRX-10 and others) handles all communication with the MMS and is responsible for relaying client commands. Each URC client (such as TKP-7600, TRC-1080 and others) is capable of independently controlling all the audio outputs on the MMS.

The MMS driver contains all the outputs available on the server, which are capable of being mapped in the URC environment to different rooms or inputs of another device.

Configuration

REQUIREMENTS

This action informs the MCP server of the available outputs based on the drivers present in the URC Total Control System program.

- TCM file: contains one-way and two-way driver including client interfaces
- URC Accelerator software
- Total Control System Hardware
- Mirage Media Server (MMS-5A, MMS-2A or MMS-1e)

CONFIGURING THE TOTAL CONTROL SYSTEM IN THE URC ACCELERATOR

Note: The following steps illustrate a basic configuration of URC Total Control System for Autonomic MMS. For more details or advanced setups, please refer to URC Documentation.

 Open the URC Accelerator software. Go to File tab > Import TCM Files. This will open a browse dialog box. Navigate to the location where the .tcm file is saved and click on Open to import the file.

New Open Save As D	Export Import TCM Convert Files File			
Project Tree	System Information			
	Company Information	System Information System Name :	Time and Date	Sumise and Sunset
	Telephone :	Mirage Audio	(GMT-05:00) Eastern Time (US & Canada *	State : (ex:'NY', 'CA')
	Email :	Primary Controller Type :	Set	OR enter the US zipcode :

Important: Please restart the URC Accelerator software by closing and re-launching it.

 On relaunching the URC Accelerator software, set up a new project by going to File tab > New. This will automatically switch to Program tab with
 Name & Location selected. Fill out Company Information and System Information sections with desired data. Choose the Primary Controller Type depending on your hardware.

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		Mirage Audio	(GMT-05:00) Eastern Time (US & Canada *	
	Telephone :	Primary Controller Location	/ Weather City	State : (ex:'NY', "CA')
	Email :	Primary Controller Type :		Enter
		MRX-20	Set	

If unsure, please contact URC support at: http://www.universalremote.com/contact_us.php

Click on **Save to Project Tree**. A dialog box saying Sunrise/Sunset information is invalid will show. Click on **OK**.

3. The Add Rooms tab will open under Program. Add additional rooms depending on your setup.

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	Type Room Names :	1st Floor	Front Yard	Outdoor Theater	
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		3rd Floor	Garage	Pantry	
		4th Floor	Garage 2	Parlor	
		Art Studio	Gazebo	Patio	
		Back Door	Great Room	Patio 2	
	1	Back Yard	Guest Room	Playroom	
1		Bar	Home Theater	Pool	

4. Go to Add URC Devices. This is for adding the existing URC Total Control devices. Select the room in the Current Room menu on the left. Double-click on a device, or click on Add to Room button on top left to add a device. For some devices, a dialog box opens up showing advanced settings for the device. Unless advanced setup is needed, leave default options selected and click on Apply.

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Project Tree	Step 3 Add LRC Devices - Home		_	_	_	_	_
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TKP-2000	Current Room :	MRX-1	TRC-700	DMS-1200	PSX-2	Lamp Dimmer	TRF-GT1
G Studio	Home	MRX-2	TRC-1080	DMS-100	SNP-1	In Wall Dimmer	URC LED
		MRX-10	TRC-1280	DMS-AV	SNP-2	In Wall Switch	
	Previous Next	MRX-20	TKP-100				
		MRY-AIR	TKP-2000		1	1	

- 5. Go to Add Other Devices.
 - a. In the left pane under **Select Room**, select the desired room to add the device to.
 - b. In Select Database, choose My.
 - c. In Select Module Type, choose IP Database.
 - d. In Select Category, choose Audio.
 - e. In Select Brand pane, choose Autonomic.
 - f. In Select Model pane, choose the player(s) you wish to add one at a time i.e., MMS-1E PLAYER A. Double-click on this, or click on Add Selected Modules button on top left to add it to the currently selected room.

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	System Desi	gner		Download & Test	
Project Tree	Step 4 Add Non-URC Devices - Studio				
Mirage Audio Home [MMS-5A MAIN,Main] MRX-20 Master [Primary] H TRC-1080 TKP-2000	Add Selected Modules Create New Drive	r Test 5.Select Brand :	6.Select Model :		7.View Function List
Generation Studio Generation MMS-5A MAIN	Studio Previous Next 2.Select Database : URC My 3.Select Module Type : IP Database 4.Select Category : ALIDIO 7	AUTONOMIC	A-SERIES AMPS E-SERIES AMPS MMS-1E PLAYER A MMS-1E PLAYER B MMS-2A PLAYER B MMS-2A DLAYER A MMS-5A PLAYER A MMS-5A PLAYER B MMS-5A PLAYER C		Power POWER ON POWER OFF Volume/Mute Functions VoluME + VoluME - MUTE ON MUTE OFF MUTE

Note: To edit the names of your added devices, right-click on the device > **Rename.** These are the names which show up in the menus and clients.

Tip: If a display is connected, the MRX-20 gets stuck on loading screen when a new project is pushed. To resolve this, a monitor needs to be added to the project. This can be added to any room. In Add Other Devices, pick Database: URC > IR Database > TV Category > and select a monitor from any brand (for instance, Samsung if you have a Samsung monitor) > pick any model, and add to project. Rename the device to Monitor for easy recognition. See step 7 for configuring this monitor input.



6. Go to Network Setup. This section configures both URC and non-URC devices (in this case, Mirage Media Server) with the current network address. As a prerequisite, ensure all the devices are on the network with desired static or DHCP configuration.

- g. Click on tab URC Device. This will show all the currently added URC devices in the project in the left pane. In this pane, click on the device you want to configure the IP address for. Then click on the Refresh button. This might take a small amount of time, after which it will show you the discovered URC devices on the current network of currently selected type in the right pane. Pick the device in the right pane with the correct IP address. Then click on Assign button. If the devices are not discovered, please ensure the actual device is on the network and is switched on. Alternatively, you can also manually enter the MAC address and IP addresses of your devices in the left pane.
- h. Click on tab Non URC Device. This will show all the currently added non-URC devices in the project in the left pane. If you previously added Mirage Media Server to a room, its instance(s) should show up in the left pane. Enter the IP Address for the MMS in the IP Address field. Port field should already be filled with value 5004.

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Project Tree	Step 6 Network	Settings: Other Devices						
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·····c·-> Pirage neua server					Ping Selected Device			

7. Go to AV Inputs & Outputs tab. Click on the Inputs tab. Here, available outputs of the MMS can be assigned to inputs of another device (only if those devices have already been added to the project). The available devices can be selected from Select Device with Inputs drop-down. Drag the outputs from right pane to the left pane next to desired input of currently selected device. Outputs assigned by accident can be deleted by using the Delete Selected button. Next, click on Zone Assignment. Here, the outputs can be assigned to different rooms. In Select Device with Outputs in the left pane, choose Mirage Media Server. Next, from the right pane, drag the desired unassigned room to the appropriate MMS output on the left pane.



- Converge with a higher standard.

8. Go to Edit User Interfaces tab. Generate Menus & Devices is selected. Advanced options can be edited through the Advanced button. With default options selected, click on Accelerate button. You can choose to leave the existing menus unchanged or erase all menus. If unsure, leave the default option selected and click OK. Click on OK button on the Complete Notification dialog box.



The Edit Menus by Room is displayed next.

Optional: Here you can edit the menus for all rooms for either all devices or individual devices. Rooms can be selected in **Selected Room** section and device views can be selected in **Select View** section. On **editing a menu**, click on **Apply** to save the changes.

Note: In the menus generated by default, the MMS module is placed in the **Music** menu. Another copy is placed in the **Settings** menu. You can safely delete the copy in the **Settings** page, and rename the module in **Music** menu by double-clicking on it.

(Below image shows sample menu with MMS module named to **Mirage Media Server** in the **Music** menu).

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Project Tree Mirage Audio Home [MMS-5A MAIN,Main]	Step 10 Main Menus/Layouts: Edit Menus by Ro Generate Menus & Devices Edit Menus by Room	Edit Device Layouts		
MRX-20 Master [Primary]		Main Menu Pages		
I TKP-2000 ■ TKP-2000 ■ TKP-7000 ■ Studio L => MMS-5A MAIN	1. Selected Room : Home • Previous Next 2. Select View : Universal Layout •	Page 1 Husic Settings Itidden Itidden Itidden Itidden Itidden Previous Page	Page 2	Drag to add a new SUBMENU (Drag to main menu Drag to add a new DEVICE JUMP Create a jump to a Special Module Drag to add a new MACRO
	All Sub Menus Music Menu Pages Page 1 Findem Findem Findem Findem	2	Settings Menu Pages Page 1 Off Site Option Hidden Hidden	Page 2

Optional: Configure the mapping of available MMS commands to hard buttons.

Go to **Edit Device Layouts.** This screen allows configuration of commands triggered on hard button presses. On **Select Device Layout** drop-down menu on the left, select **Mirage Media Server**. In **Select View**, **Universal Layout** is selected by default, which means the configuration for all clients is being edited. To edit hard button configuration for only a specific client, you can select the specific device from the drop-down menu here.



All Hard Buttons section shows all hard buttons and their currently assigned commands. Use **Previous** and **Next** page buttons to flip through all available hard buttons. **Menu Pages** section shows commands currently unassigned to any button. To change commands assigned to a hard button, simply drag a command to the new button. You can modify existing commands by dragging from one button to another, or assign new commands by dragging unassigned commands from **Menu Pages** section to an empty button.

Click on Apply to save changes.

Converge with a higher standard.

 Go to Macro Editing tab. Leave the default options selected and click on Accelerate. Click on OK on the Complete Notification dialog box.
 Optional: For advanced macro editing, refer to URC documentation.

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File My Database Program	Tools Communications Help
1.Name & 2.Add 3.Add URC 4.Add Other 5.Ba Location Rooms Devices Devices	Image: Setup Setup Setup Submit Setup Submit Setup Submit Setup Submit Setup Setup Submit Setup Setup Submit Setup Setup Submit Setup Setup Submit Setup Setu
Project Tree	Step 12 Macros: Macro Generation Options
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I TRC-1000 I TRC-2000 I TRC-2000 I TRC-2000 I Studio I Studi	Programming Options Programm

10. Go to Punch Through tab. This lets you control the functioning of hard buttons even when the Mirage Media Server module is not running. You can set it up to control Play, Pause, Skip Next and other functions for the MMS even if you're in the main menu.

Project Tree	Step 13 Punch Through	
Mirage Audio Mirage Audio Mirage Media Server, Main] Mirage Media Server, Main] Mirage Media Server Studio Studio Studio	Punch To : I. Select Room : Hom Select Device : Main Minge Media Server Other Devices Select All Clear All	Punch From : Volume, Muite : Main Mrage Media Server (Studio) * Chernel : [None] * Navigation : [None] * Number (0-9, +10, ENT) : [None] * Save

For instance, the ability to control playback buttons like Play/Pause in all menus is still possible if the MMS module isn't running.

- j. In Select Room section in left pane, select the appropriate room.
- k. In the **Select Device** section in the left pane, select the screens in which you want to use MMS buttons.
- In Punch From, select the buttons you want to redirect (in this example, Play/Pause). Use the drop-down menu, and select the appropriate Mirage Media Server output for the respective room.

m. Click Save to save your changes. Repeat the steps for desired rooms.

11. Go to Download tab. If the accelerator project has not been saved yet, a prompt will be shown to save it now. Click on OK on the next prompt. A download screen will be shown with a list of all URC devices added to the project. This will push the current project to the primary controller and clients. Select the devices you want to download to and click on Download to Select Devices (Direct).

Tools Communication	ons Help						
Station 6.Network 7.AV I tup Setup & Ou	hputs 8.DMS 9.URC tputs Setup Subsystem Nem Designer	10.Edit User 11.3rd Pa Interfaces 2-Way Sett	rty 12.Macro 13. ngs Editing Thi	Punch 14. Themes ough & Graphics	winioad load & Test		
Step 13 Punch Through							
Punch To :		Punch From :					
1. Select Room :		Volume Mator					
Home	Download						
2. Select Device : Download System Configuration							
Main Mirage Media Server	Model	Room	Download	IP Address:	MAC ID #	Close	
Other Devices	MRX-20 Master	Home Home	Network Network	10. 08.4 34(040) 10. 08.4 (040)	8.78.004 9.78.500	Select All	
	TKP-7000	Home	Network	40. 88.1.88(0+0)	0.730.0.0.4	Clear All	
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	Station 6-Network 7-AVI up Setup Setup & Ou Sy Step 13 Punch Through Punch To : 1. Select Room : 110me 2. Select Device : Main Mirage Media Server Other Devices	Station 6-Network 7/AV inputs EDNS 9URC UP Setup & Outputs Edup Subsystem System Designer Station Briogen System Designer 1- Select Room : Home Download 2- Select Device : Man Misage Media Server Other Devices Masker TRC-1080 INP-2000 TRP-2000	Station 6-Network ZAV Inputs EUNS 9-URC 10.6df User 11.3df Pa Station 6-Network ZAV Inputs EUNS 9-URC 10.6df User 11.3df Pa Setup Subsystems Interfaces 2-Way Setti System Designer Station 1: Punch Through Punch To : Punch From : 1: Select Room : Punch From : 1: Select Room : Punch From : 1: Select Room : Punch Gal Server Other Devices Setup 2: 20 Master Mome ITCP-2000 Home TCP-7000 Home	Station 6-Network ZAV inputs 20Ns 9.0RC 10.6dit User 11.3rd Party 12.Macro 12.3 Station 6-Network ZAV inputs 20Ns 9.0RC 10.6dit User 11.3rd Party 12.Macro 12.3 Setup Setup Subsystems Interfaces 2-Way Settings Editing The System Designer Setup Subsystems Interfaces 2-Way Settings Editing The Setup Subsystem Sinterfaces 2-Way Settings Editing The Setup Solution Designer Setup Solution Designer Setup Solution Designer Setup Solution Designer Download System Configuration Main Made Room Download Other Devices Setup Solution Here Network TRC-1080 Home Network TRP-2000 Home Network	Station & Alexwork ZAV inputs & SUNS 9.URC 10.Edit User 11.3rd Party 12.Marce 13.Junch 14.Themes Up Setue & Outputs Setup Subsystems Interfaces 2-Way Settings Editing Through & Graphics System Designer Set 13 Punch Through & Graphics Download System Configuration Main Mage Media Server Other Devices Main Media Server Other Devices Salext #1	Station & Metwork, ZAV inputs SDMS SURC 10.6 dif User 11.2 rd Party 12.Macro 12.Punch 14.Ihemes Download System Designer System Designer System Designer Download & Test Download Download	

Tip: Occasionally, download fails to select clients like remotes and touchpanels. For instance, the panel drops wifi if screen is not on or if the remote is not charged. Touch the screen to switch it on, or place the remote on charger and try to download again.

12. Go to Download tab. If the accelerator project has not been saved yet, a prompt will be shown to save it now. Click on OK on the next prompt. A download screen will be shown with a list of all URC devices added to the project. This will push the current project to the primary controller and clients. Select the devices you want to download to and click on Download to Select Devices (Direct).

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Technical Support

If you require further assistance with configuring the URC Driver Suite v1.2 for the Mirage Media Server, please contact Technical Support at (866) 838-5052, or email techsupport@snapav.com. You can also visit the Autonomic Knowledge base (http://www.autonomic-controls.com/kb) for troubleshooting information and access to submitting a support ticket.