AUTONOMIC | PROGRAMMING GUIDE

042715

URC DRIVER V1.0

FOR MIRAGE MEDIA SERVER

COMPATIBLE WITH ALL MMS MODELS

MMS·5A

MMS·2A

Control the Experience.

total control®

MIRAGE

THE SOURCE OF PURE SOUND

Overview

The Autonomic URC v1.0 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 March 1, 2015 and MMS firmware 5.0.18078.0 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 v3.9.0318.1, running on Total Control System, consisting of MRX-20 controller and supported URC clients, including TKP-7000 and TKP-2000 touchpanels, TRC-1080 remote, and URC Mobile app for iOS and Android Devices.

Features

Version 1.0 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 v1.0 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 Server control drivers are available on our Downloads page, found at http://www.autonomic-controls.com/support_downloads.php.

To download the URC v1.0 driver suite, simply click on the link labeled **URC Driver Suite v1.0** to start the download of the zip file.

Inside the download:

- AutonomicMMSv1.0.tcm
- Programming Guide: URC Driver v1.0 for Mirage Media Server

Details of Driver Communication

The central controller (MRX-10, MRX-20 and others) handles all communication with the MMS and is responsible for relaying client commands. Each URC client (such as TKP-7000, 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

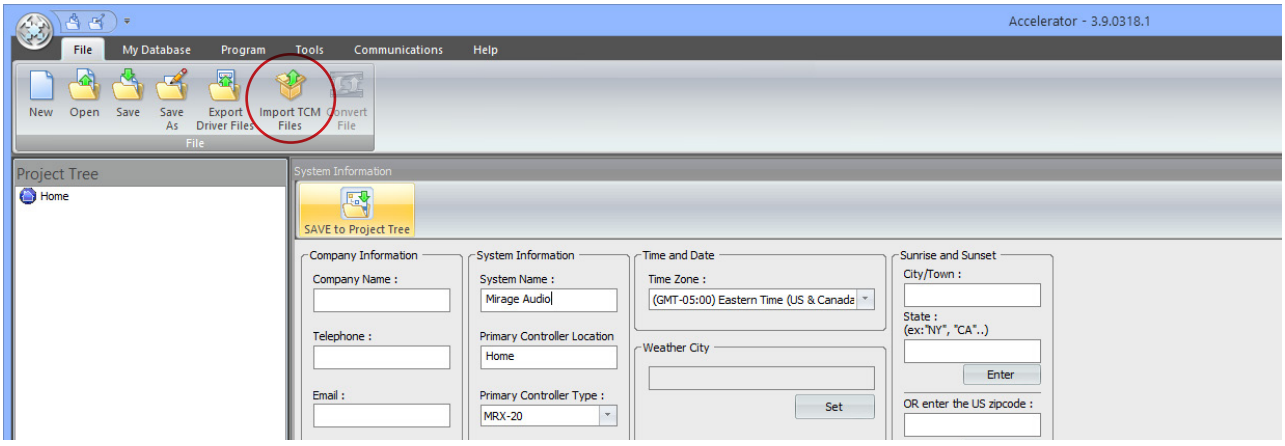
Requirements

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

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.*

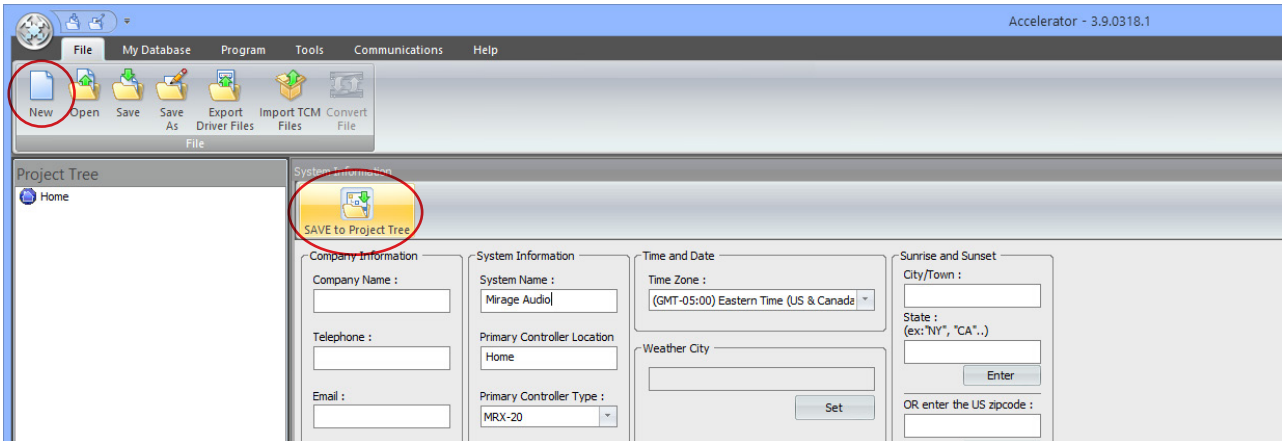
1. Open the URC Accelerator software. Go to **File** tab > **Import TCM Files**. This will open a browse dialog box. Navigate to the location where the .tcm file is saved and click on **Open** to import the file.



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

2. 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 **1. Name & Location** selected.

   Fill out **Company Information** and **System Information** sections with desired data. Choose the **Primary Controller Type** depending on your hardware.

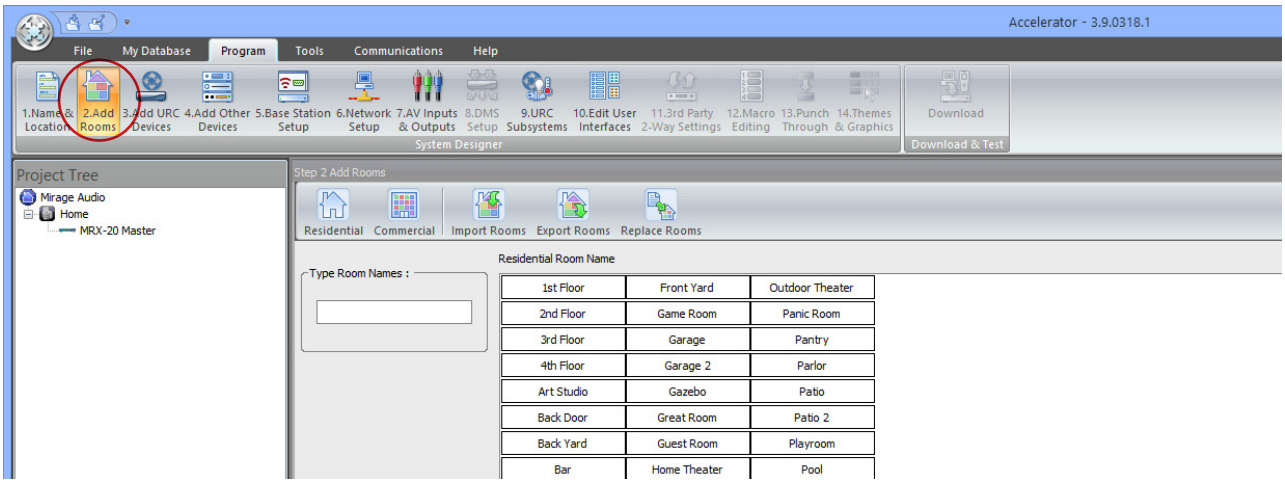


   If iOS/Android devices are being used in the Total Control System, and the primary controller has not been configured previously with licensing information (purchased separately), click on **System Setup Codes** for entering the licenses. Configuring license with a controller is a one-time step, and can't be undone.

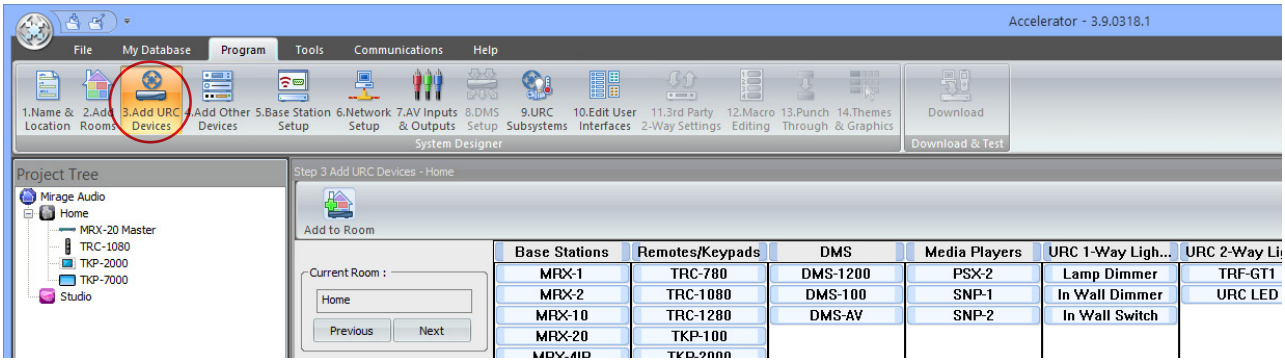
   If unsure, please contact URC support at:
   http://www.universalremote.com/contact_us.php

   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.

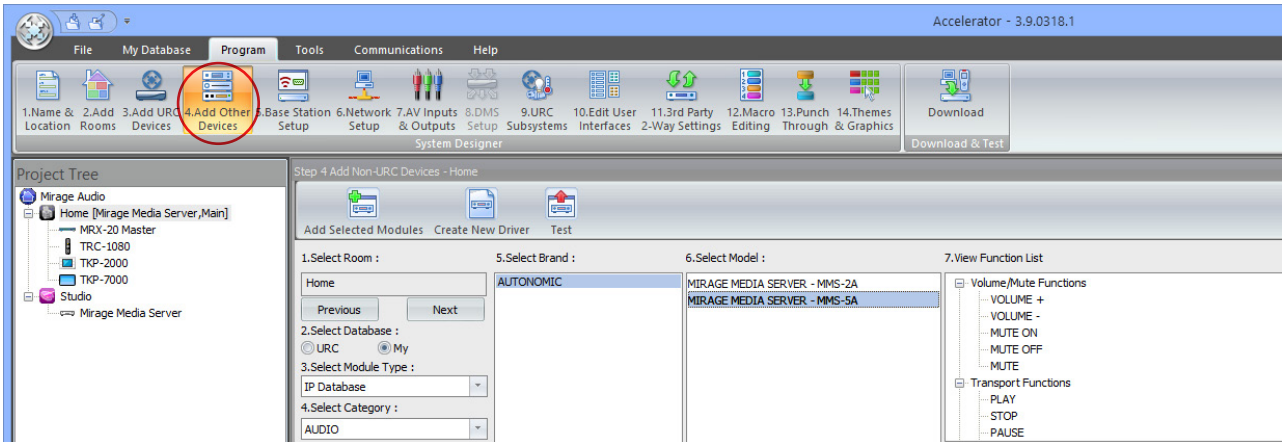


4. Go to **Add URC Devices**. This is for adding the existing URC Total Control devices. Select the room in the **Current Room** menu on the left. Double-click on a device, or click on **Add to Room** button on top left to add a device. For some devices, a dialog box opens up showing advanced settings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



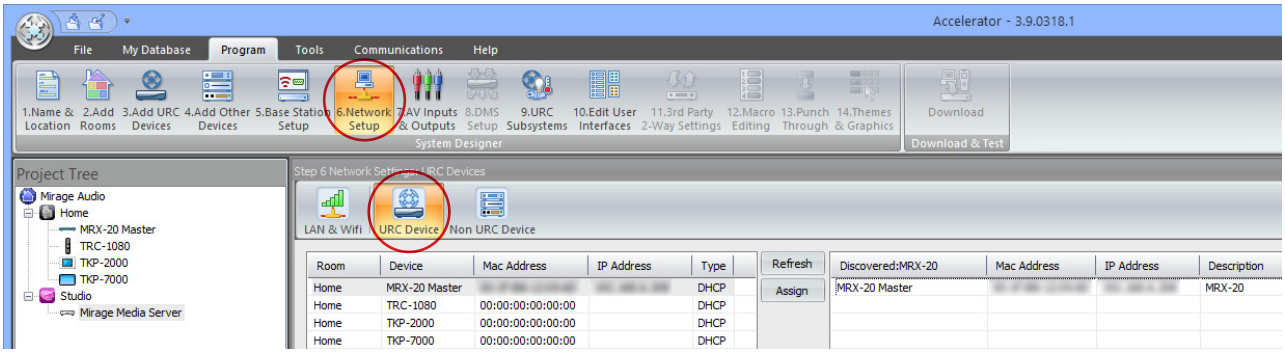
5. Go to **Add Other Devices**.

   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 **Mirage Media Server - MMS-5A** (or **MMS-2A**, depending on your model). Double-click on this, or click on **Add Selected Modules** button on top left to add it to the currently selected room.



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.*

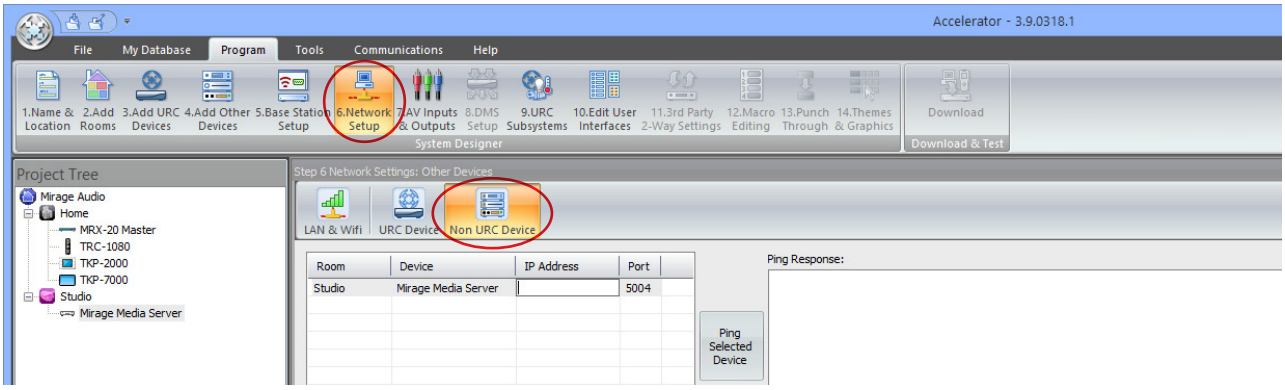


6. Go to **Network Setup**. This section configures both URC and non-URC devices (in this case, Mirage Media Server) with the current network address. As a prerequisite, ensure all the devices are on the network with desired static or DHCP configuration.

   a. 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 IP addresses of your devices in the left pane.

   b. 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**.

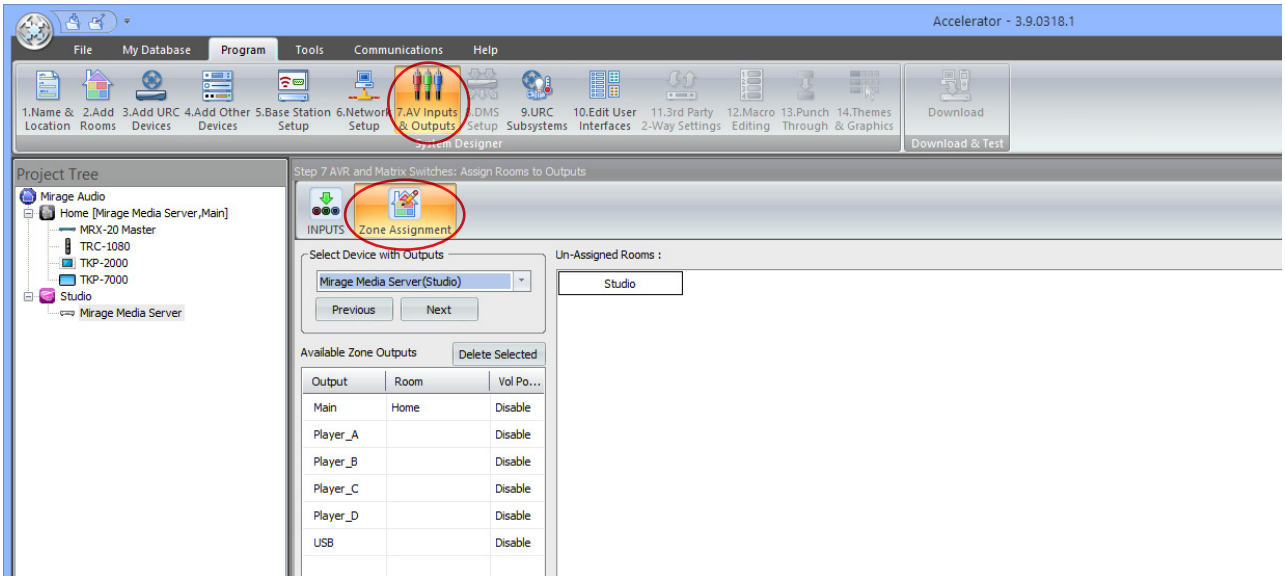


Click on the **Ping Selected Device** button to check if the MMS is reachable. The right pane displays the ping results. In case of any errors, please ensure the MMS is powered on and the correct IP address has been entered.

7. Go to **AV Inputs & Outputs** tab.

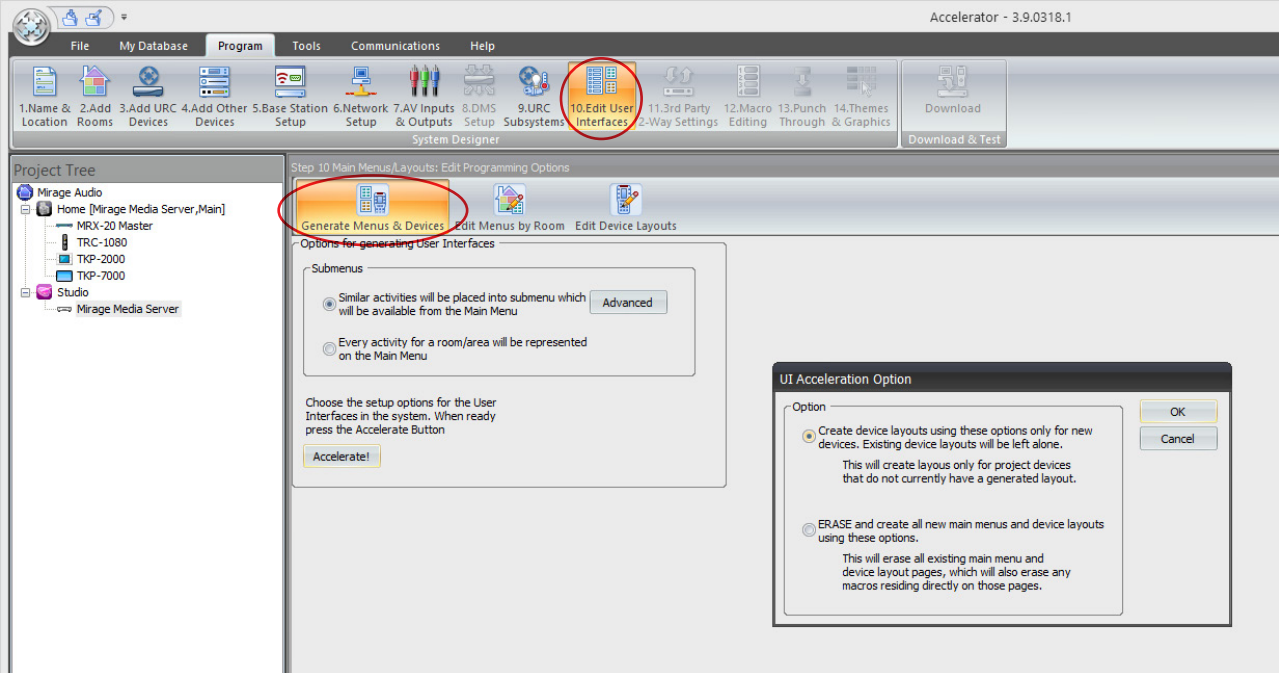
   Click on the **Inputs** tab. Here, available outputs of the MMS can be assigned to inputs of another device (only if those devices have already been added to the project). The available devices can be selected from **Select Device** with **Inputs** drop-down. Drag the outputs from right pane to the left 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.



Tip (continued from step 5): *In the* **Inputs** *tab, select the previously added monitor in the* **Select Device with Inputs** *section. Next, from the right pane, drag the MRX-20 Controller to the suitable Monitor input. For example, if you have connected the MRX-20 to monitor via HDMI, you can put the MRX-20 controller in the HDMI1 input of the monitor.*

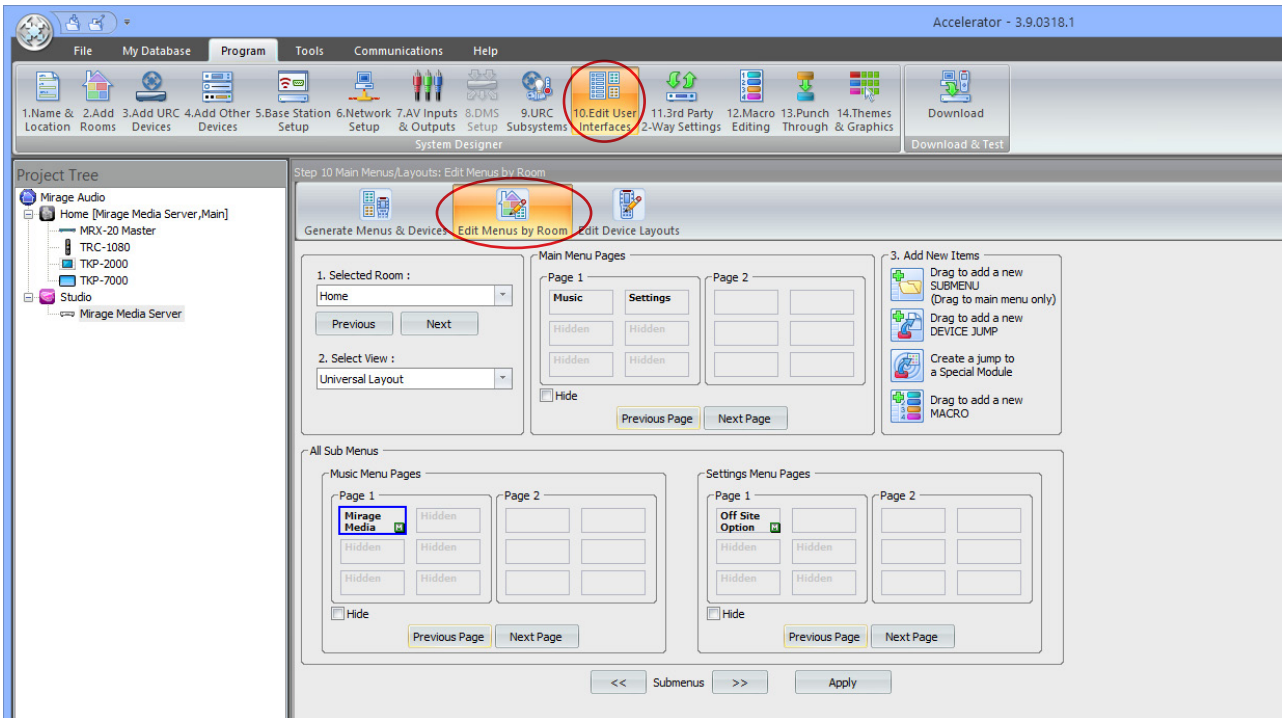
8. Go to **Edit User Interfaces** tab. **Generate Menus & Devices** is selected. Advanced options can be edited through the **Advanced** button. With default options selected, click on **Accelerate** button. You can choose to leave the existing menus unchanged or erase all menus. If unsure, leave the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



The **Edit Menus by Room** is displayed next.

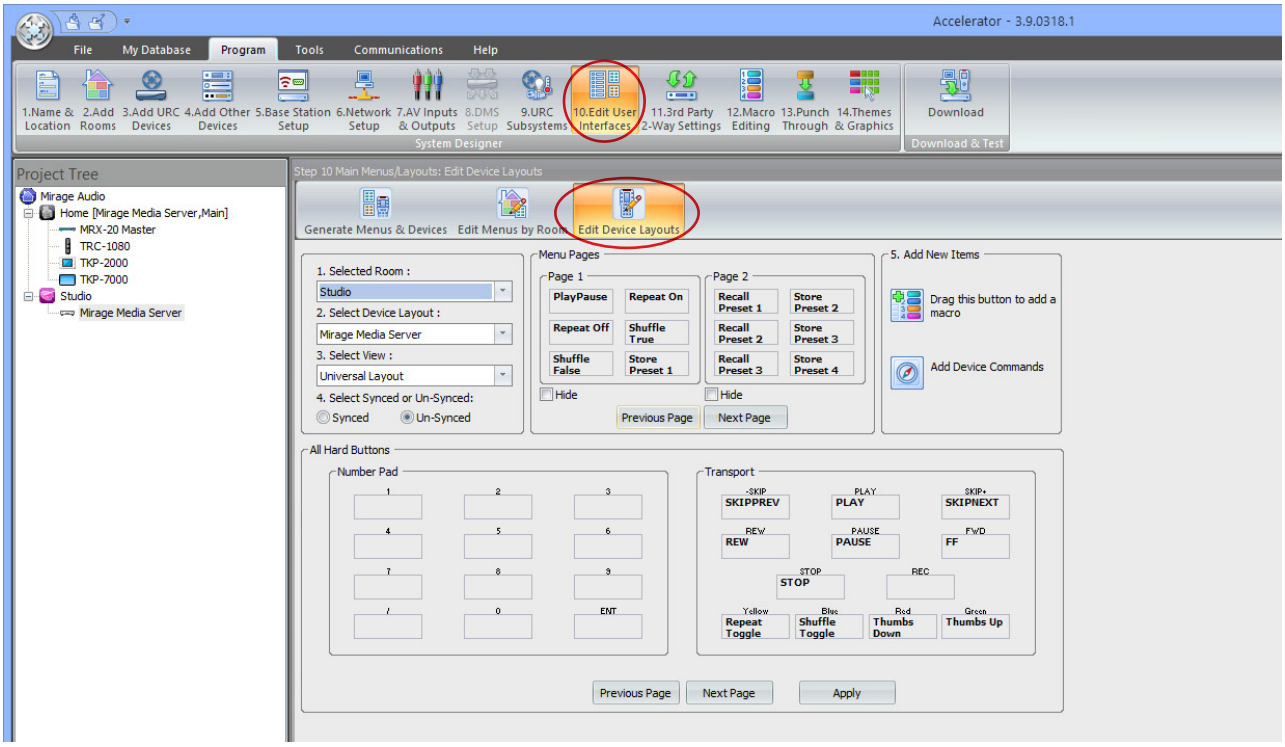
Optional: *Here you can edit the menus for all rooms for either all devices or individual devices. Rooms can be selected in* **Selected Room** *section and device views can be selected in* **Select View** *section. On editing a menu, click on* **Apply** *to save the changes.*

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).*



***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.

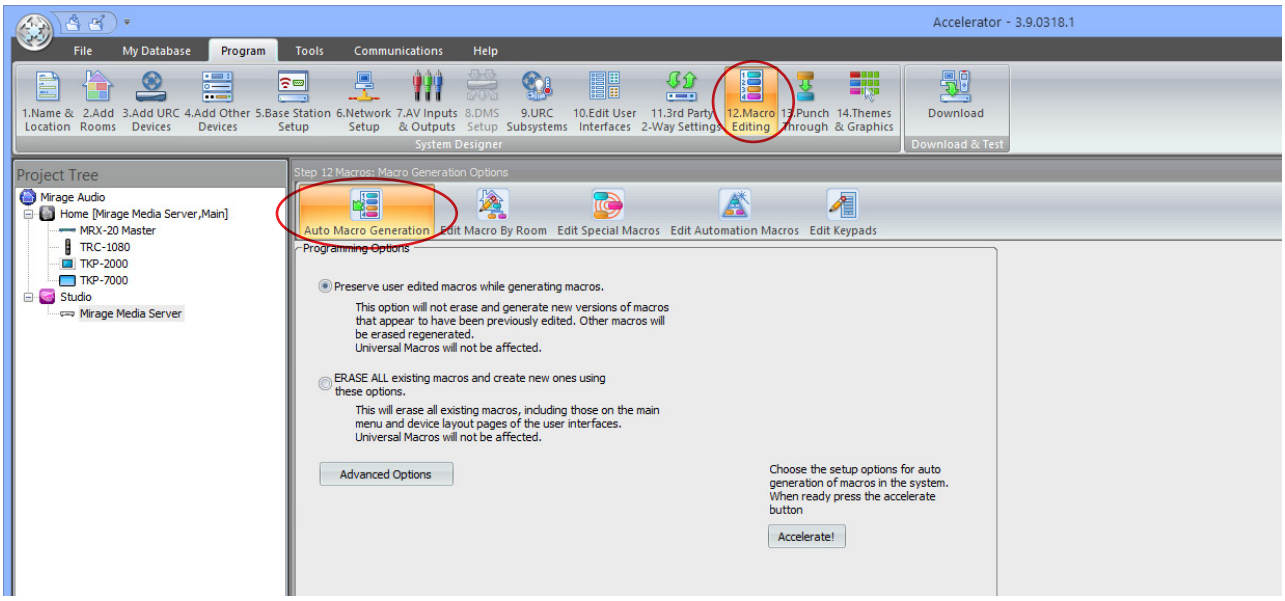


All Hard Buttons section shows all hard buttons and their currently assigned commands. Use **Previous** and **Next** page buttons to flip through all available hard buttons. **Menu Pages** section shows commands currently unassigned to any button. To change commands assigned to a hard button, simply 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.

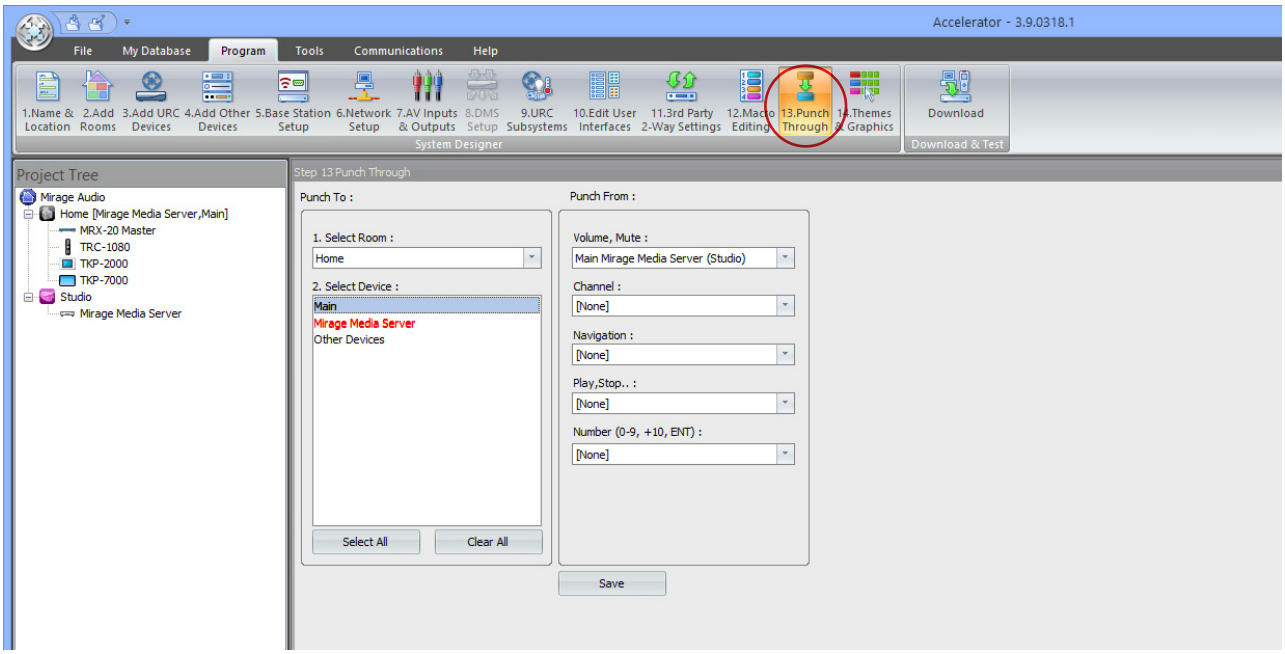
Click on **Apply** to save changes.

9. 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.*



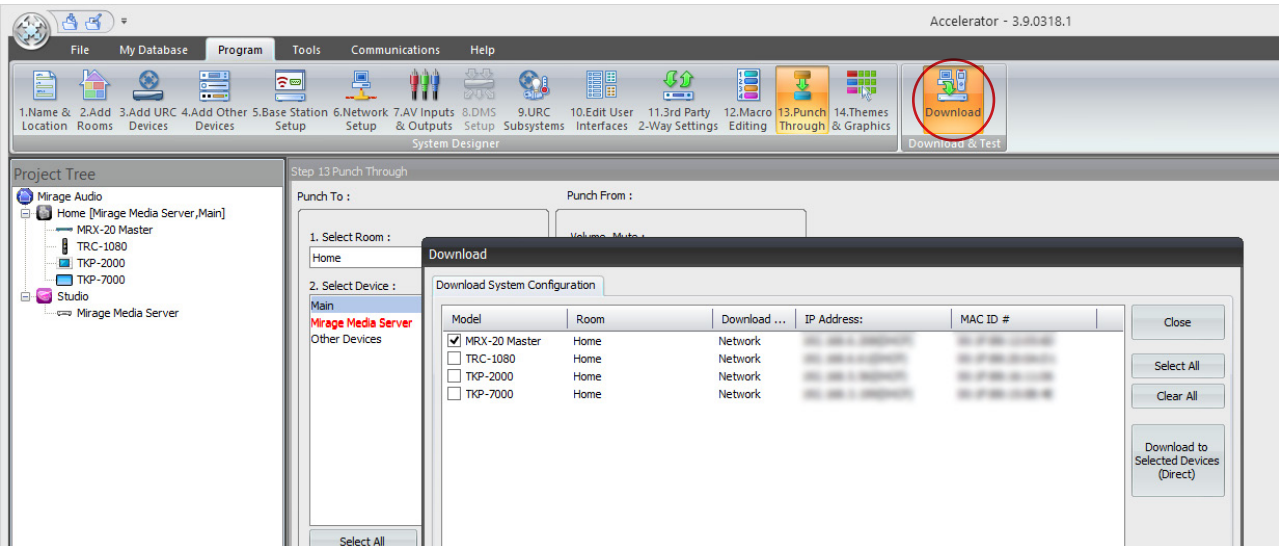
10. Go to **Punch Through** tab. This lets you control the functioning of hard buttons even when the Mirage Media Server module is not running. You can set it up to control **Play**, **Pause**, **Skip Next** and other functions for the MMS even if you're in the main menu.



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

a. In **Select Room** section in left pane, select the appropriate room.
b. In the **Select Device** section in the left pane, select the screens in which you want to use MMS buttons.
c. 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.
d. 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)**.



***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. After the update is pushed to all devices, they'll restart. You should now be able to see the Mirage Media Server module on the clients.

Technical Support

If you require further assistance with configuring the URC Driver Suite v1.0 for the Mirage Media Server, please contact Autonomic's Technical Support team at +1 914-598-1647 option 2, email support@autonomic-controls.com or visit the Autonomic Knowledgbase (http://www.autonomic-controls.com/kb) for troubleshooting information and access to submitting a support ticket.