



## Mirage Media Server Setup Guide

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## 1 | Getting Started

**Congratulations on purchasing your Mirage Media Server. Read this guide to get started.**

The Mirage Media Server (MMS) offers you the convenience of accessing all your local audio content and streaming Internet services in a single device.

The MMS can output 5 independent streams of audio and one video feed to display Now Playing information for any of the audio outputs, and photo slide shows.

MMS provides you with access to several online music services over your broadband Internet connection, such as Sirius XM Radio, Pandora Internet Radio, and RadioTime.

Autonomic is actively working with more audio and video service providers to bring you even more of the best Internet media in future firmware updates.

Autonomic provides a variety of software that allows you to automatically keep your iTunes or Windows Media Player content synchronized with your server. Whenever you purchase or rip new content on your network, it will automatically be sent to your Mirage Media Server.

The MMS can synchronize it's content with a secure online data locker to provide you with access to your media when away from home, as well as providing a reliable off site backup of your valuable content. Applications are available for several mobile devices, including the iPhone/iPad and Android based phones.

**With your Mirage Media Server, you can:**

- Listen to five discreet audio channels in different parts of your home.
- Browse music and control playback from around your home using most web browsers, your iPhone, or a professionally installed control system such as Crestron, AMX, or URC.
- Listen to Sirius XM Satellite Radio without having to install an antenna.
- Create custom radio stations that play only music that you love using Pandora Internet radio.
- Browse thousands of AM and FM radio broadcasts around the world using the RadioTime Internet Radio service.
- Access your media anywhere in the world using a web browser, iPhone/iPad, Android, or Windows Mobile devices.
- Synchronize the content of multiple Mirage Media Servers located anywhere on the planet.
- Watch a slide show of your favorite photos on a remote display along side information about the music that's playing.

### About your Mirage Media Server

Your server has several ports on the back for connecting your audio, networking, and control system gear. (Refer to the diagram on the Quick Start Guide included with your server for connection recommendations).

- HDMI and DVI video ports for connecting to a television or other display.
- Four analog stereo audio outputs. Use the included adapters to connect to a receiver, pre-processor, or multi-room audio system or amplifier.
- One optical Toslink connector to connect a 5.1 or 7.1 digital A/V surround receiver.
- One Ethernet 10/100/1000Base-T Gigabit Ethernet Local Area Network (LAN) port for broadband media services and control system interface.
- Optional RS-232 9600/57600 serial control port.
- Multiple USB and eSATA ports for storage expansion. (available in a future firmware release)

On the front panel, the MMS has a power button, reset button, green power LED, a yellow LAN status LED, and a red HDD activity LED.

Two USB ports are also located on the front of the server for applying firmware updates and running diagnostics utilities supplied by Autonomic Controls as required.

### Connections

It is important that you make all necessary connections to the Mirage Media Server before turning it on for the first time.

Certain aspects of the configuration are automatically set the first time you power on the device based on the connections that are present.

### Included Accessories.

The Mirage Media Server includes the following accessories.

- AC power cable
- Eight Mini-RCA analog audio adapters (long and short supplied)
- Four rubber feet (for shelf mount installations)
- Removable rack mount ears (shipped installed)

### What You Need to Get Started

To setup the MMS, you'll need the following

- A network router or switch connected to the Internet with an available Ethernet port.
- A standard (straight-through) Category 5 or Category 6 Ethernet cable.
- A computer (Windows or Mac) connected to the same network as the MMS.

### Network Connection.

Using a standard (straight through) Category-5 or Category-6 Ethernet cable, connect the Ethernet port on the MMS to an available port on your network router or switch.

### Audio Connections

Using the supplied mini-RCA adapters, connect 1-4 of the analog audio outputs to your amplifier or receiver. You may also connect the digital audio output to a compatible receiver using a standard fiber optic cable with Toslink connectors (not included).

### Video Connections

To view photo slideshows and now-playing information about your audio program, you may connect the DVI or HDMI video outputs to a compatible display device.

### Control System Connections

If you are using an IP based control system, the Mirage Media Server can be controlled over IP ports 5004-5006 and no further connections are necessary.

If you are planning to use an RS-232 connection, you will need the optional RS-232 control card, which is available separately from Autonomic Controls. Connect the RS-232 port on the MMS to your control system using a standard DB-9 Male / Female serial cable.

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## 2 | Setting Up your Mirage Media Server

**This chapter provides an overview of using the Remote Configuration Utility to configure the device.**

Once you have made all the necessary connections, turn on the MMS by pressing the power button on the front of the unit once. You should see that the green power LED illuminates.

Wait 1-2 minutes for your server to completely boot up the first time, or if your server is connected to a video display, until the Now Playing screen shows on the display.

### The Remote Configuration Utility.

The Mirage Media Server has a built in web server that provides for remote device configuration, control system integration, and remote control of playback.

Using a computer on the same network, open the Remote Configuration Utility with Internet Explorer, Safari or Firefox to the default configuration address:

**<http://Mirage-1/config>**

You can also look up the IP address of the server using the DHCP client table in your router's interface if necessary.

Once you have connected to the web servers configuration page, you will see several tabs for configuring the various features of the MMS.

### Machine Settings

The Machine Settings tab allows you to configure the following options:

**Network Identification** allows you to set the your servers name on the network, and a description.

**Date / Time** settings allow you to configure the server to automatically obtain it's date and time information from a selection of geographically located NTP (Internet time) servers.

**Network Address** allows you to configure your server to use a network DHCP server to obtain it's IP address, or you can specify a static IP address to use.

**Serial Settings** allow you to adjust the communications settings of the optional RS-232 port.

**Logging** allows you to enable internal logs files if you are so instructed by Autonomic Controls support staff.

### Display Settings

The Display Settings tab allows you to configure the Mirage on screen display options

**Screen Resolution** allows you to choose between 720p and 1080p display output.

**Screen Saver** lets you set the amount of time that will elapse before the server displays a photo slideshow.

**Slideshow** lets you adjust the transition and timing options of the photo slideshow.

### Source Settings

The Source Settings tab allows you to configure audio outputs you will use with the MMS.

**Analog Outputs** allows you to enable or disable any of the four analog audio outputs.

**Digital Output** lets you enable or disable the digital audio output.

### Content

The Content tab allows you to enter your account credentials for the media services supported by the MMS.

### **iTunes**

Entering credentials allow you to authorize your MMS as one of your authorized devices for playback of content downloaded from the iTunes store.

### **MP3Tunes**

Entering MP3Tunes credentials allow you to associate your MMS with your MP3Tunes online media locker so you can remotely access your content when away from home, or synchronize multiple MMS servers anywhere in the world.

If you have existing content in your MP3Tunes locker, the Mirage Media Server will automatically download your content to the server when you enter valid credentials in this field.

More information about mobile device applications for synchronizing and accessing your online media can be found at [www.mp3tunes.com](http://www.mp3tunes.com)

### **Pandora**

Pandora is a service that lets you create custom radio stations based on albums or artists that you like, and will mix in other music that you haven't discovered yet.

Entering your Pandora credentials will let you associate your MMS with your online Pandora Internet Radio account.

When valid credentials are supplied, all of your online Pandora radio stations will be available for playback on your MMS, and any new stations that you create on your server will be saved in your online account.

More information about Pandora Internet Radio can be found at [www.pandora.com](http://www.pandora.com)

### **RadioTime**

RadioTime is a service that provides a directory of the world's radio stations that broadcast over the Internet. You'll likely find that many of your local AM and FM radio stations are available for crystal clear online streaming through your MMS without the need for an over the air antenna. You can also browse thousands of radio stations world-wide by genre or program name.

Entering your RadioTime credentials will allow you to associate your MMS with your online RadioTime account so that you'll have easy access to your local radio stations and stored favorites.

More information about the service is available at [www.radiotime.com](http://www.radiotime.com)

### **Sirius XM Satellite Radio**

Your Mirage Media Server can access your Sirius XM Radio subscription through your Internet connection.

Sirius radio subscribers must provide one account ID and password for each simultaneous stream that you want to listen to on any of the audio outputs.

XM radio subscribers can listen to up to four streams of content simultaneously with a single login.

### **Computers**

The Mirage Media Server comes with a utility that will automatically synchronize folders on your network, or the contents of your iTunes or Windows Media Player libraries with your Mirage Media Server.

This section lists all of the computers on your network that have this utility installed and are contributing to your MMS library. If you want to stop synchronizing with one of the computers, clicking the "X" next to the computer name will remove it from the list, and will remove all content contributed by that computer from your MMS library.

More information about the synchronization software is available in the software chapter of this guide.

### **Firmware**

The Firmware tab allows you to update the operating software in your Mirage Media Server, download utility and control software for controlling the server and synchronizing content, and tools for remote technical support.

### **Firmware Update**

From time to time, Autonomic will release new operating software for the Mirage Media Server to

add new services or to accommodate changes to existing services.

If there is an update available, a button will appear in this section that will allow you to download and apply the update.

#### **Other Software – Mirage Client**

This section allows you to install a Windows client application to your computer that lets you browse content and control playback for any of the enabled audio outputs.

You can also run the Mirage Client application in a browser window if you prefer. This will let you control the server from Mac computers and other operating systems.

#### **Other Software – Media Synchronization**

This section allows you to install a Windows client application that will automatically synchronize folders on your network, or the contents of your iTunes or Windows Media Player libraries with your Mirage Media Server.

#### **License Information**

This section displays your product license information and serial number.

#### **Remote Support**

If you are working with us on a support case, Autonomic Controls may request remote access to your server through the Internet in order to check the operation of your server.

In that event, we will provide you with a security code that you can enter into this field to grant us remote access to your MMS.