Showmaster Web Interface

User Reference Manual

medialon

BY 7THSENSE

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Contents

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1 Introduction

The Showmaster web interface provides a simple way to configure and manage a Showmaster from any device with network access. It replaces much of the functionality previously provided by Showmaster Editor but in a less intrusive way.
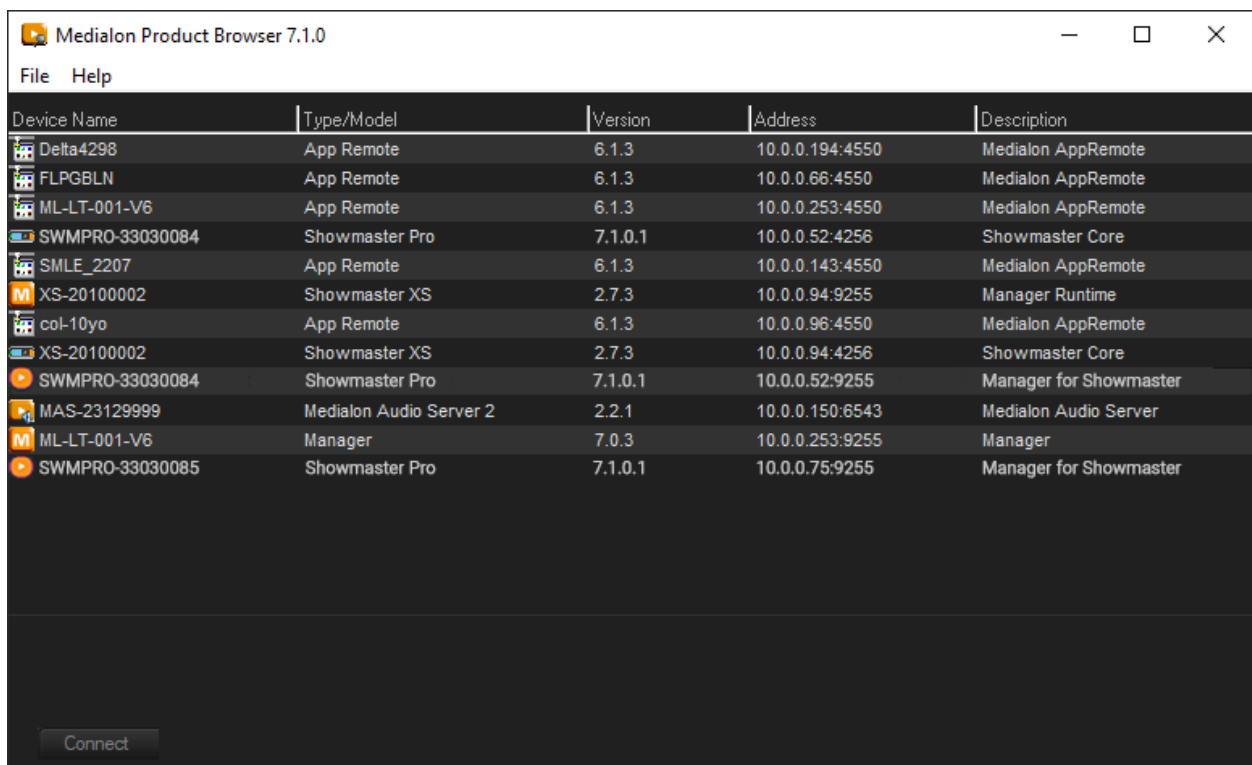
By default, the web interface is available on port 9258 and can be reached by entering the following URL in a browser: http://{ip address or network name of Showmaster}:9258

Example

http://192.168.0.22:9258

1.1 Device IP addresses

To discover the IP of any device, run **Medialon Product Browser**, which is installed with both Medialon Manager and Showmaster Editor. Run it to show all Medialon devices connected:

This is the quickest way of determining that any device is connected, of the same version, and what its IP address is.

1.2 Login and security

A newly supplied (or upgraded) Showmaster will have a default username of 'medialon' with no password. A password can be set using the settings page described below.

2 Status
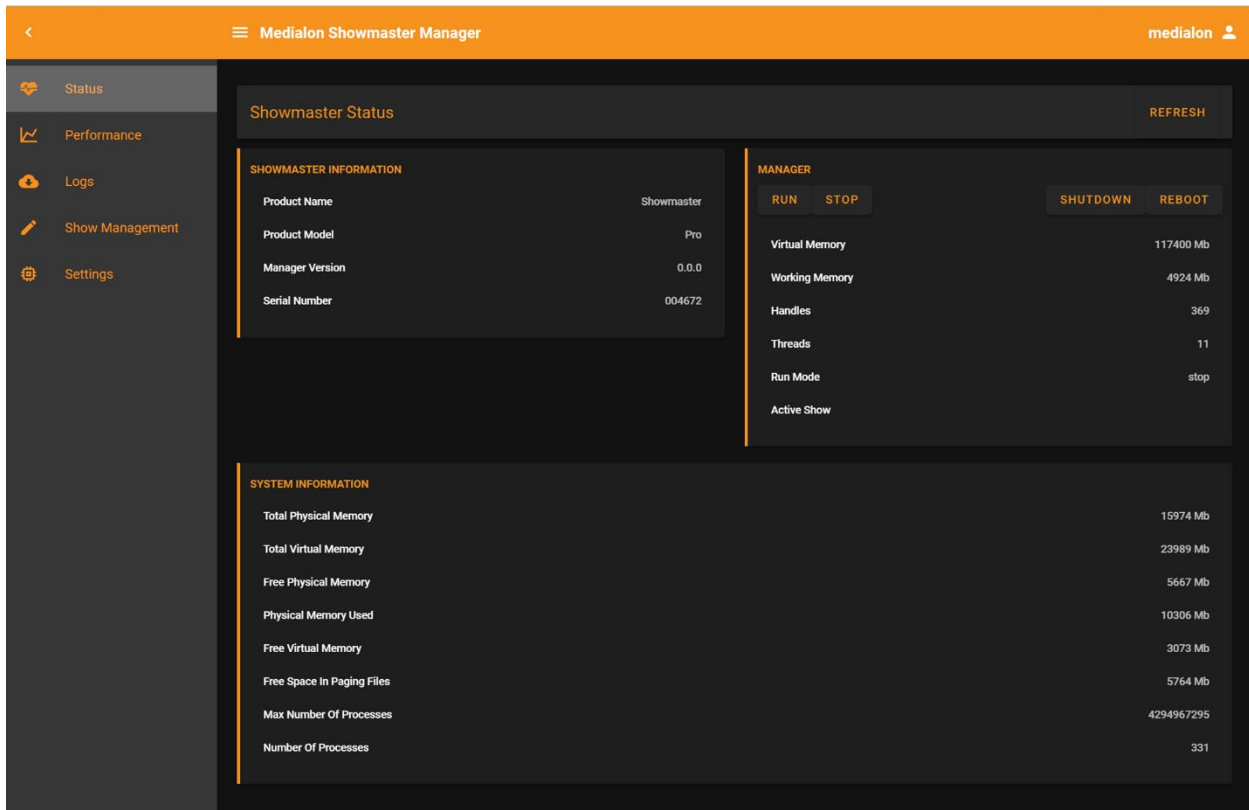
The Status page shows general information about the Showmaster unit and provide some basic control over the Manager application.

2.1 Showmaster Information

Product Name   Displays the product family

Product Model   Displays the product model type

Manager Version   Displays the version of Manager running on the device

Serial Number   Displays the serial number of the device

2.2 Manager

|	
Virtual Memory	Displays the amount of virtual memory currently available for Manager to use
Working Memory	Displays the amount of actual virtual memory currently being used by Manager
Handles	Displays the number of Handles currently being used by Manager
Threads	Displays the number of Threads currently being used by Manager
Run Mode	Indicates whether Manager is in Stop, Debug or Run mode
Active Show	Displays the name of the currently loaded show

2.2.1 Manager Commands

Run	Sets Manager to Run mode
Stop	Brings Manager out of debug or run mode
Shutdown	Shuts the Showmaster down
Reboot	Forces the Showmaster to stop the current show and reboot

2.3 System Information

|	
Total Physical Memory	Displays the total amount of physical RAM on the Showmaster
Total Virtual Memory	Displays the total amount of virtual memory currently allocated in the system
Free Physical Memory	Displays the amount of physical RAM that has not been allocated in the system
Free Space in Paging Files	Displays the amount of virtual memory that has been allocated but is not in use
Max Number of Processes	Displays the Windows limit on number of allowed processes
Number of Processes	Displays the number of processes that are currently active

3 Performance

The performance page shows a historical trace of Memory and thread usage on the Showmaster. This is generally used to help detect memory leaks or performance issues.
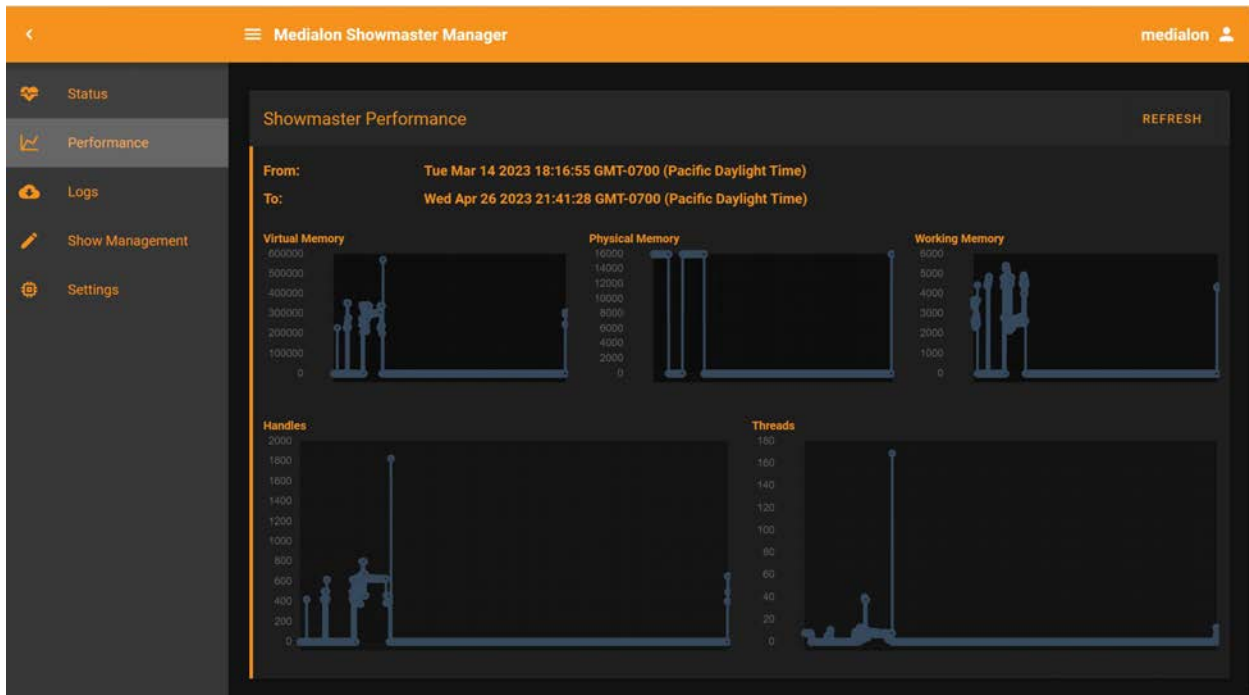
|	
Physical Memory	Displays the amount of physical memory used. Units are in Kilobytes
Virtual Memory	Displays the total amount of virtual memory used. Units are in Kilobytes
Working Memory	Displays the total amount of virtual memory in use by the Manager application
Handles	Displays the number of Operating system handle resources (graphic objects etc.) in use by the Manager application
Threads	Displays the number of active threads in use by the manager application

4 Logs

The logs page provides access to the manager system logs. Logs can be filtered by severity, message source, and a specific date range.
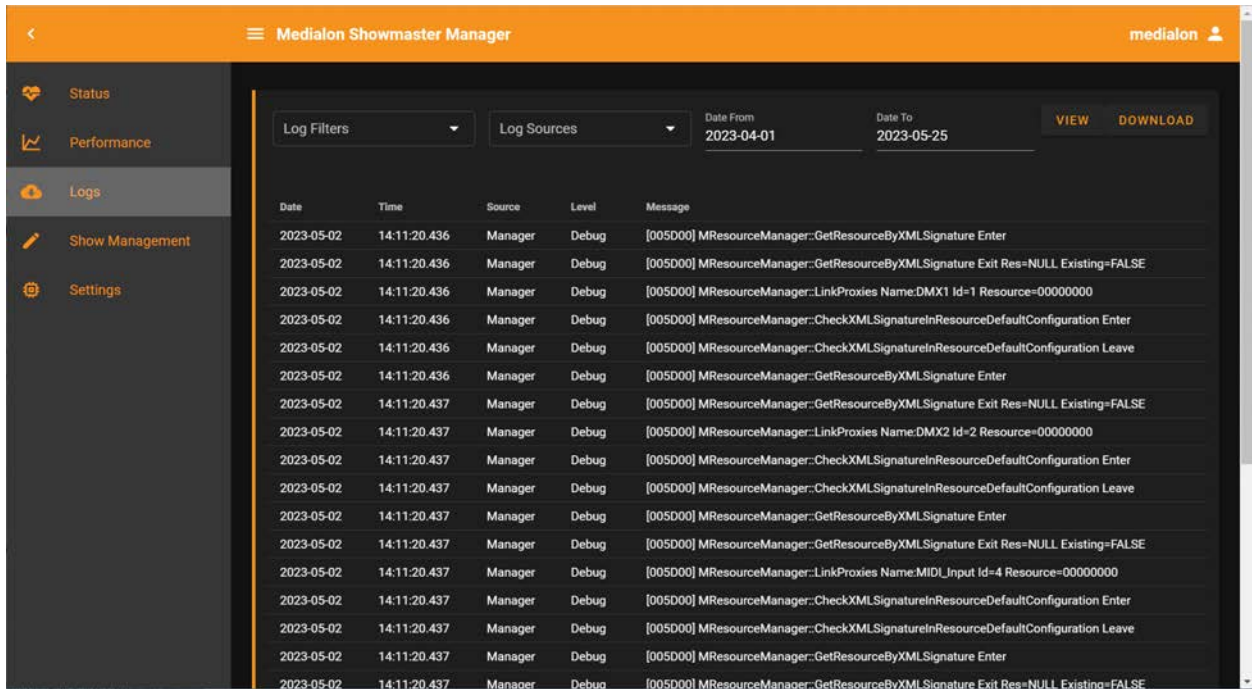
To filter by severity, click on the 'Log Filters' dropdown arrow and select one or more levels of messages to retrieve. To select specific sources, click the 'Log Sources' dropdown arrow and select from the list of available sources. A date range can be set by clicking on the 'Date From' and 'Date To' boxes and selecting from the pop up calendars.
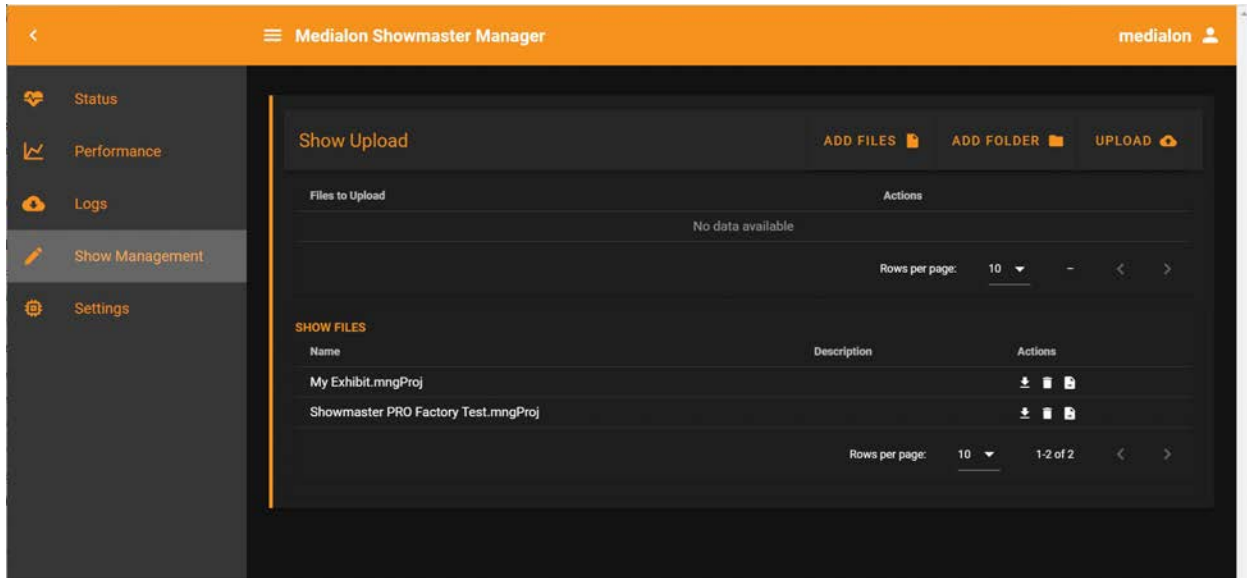
After setting filters, click view to retrieve the filtered log. The following example shows messages from Manager with a severity of Normal.
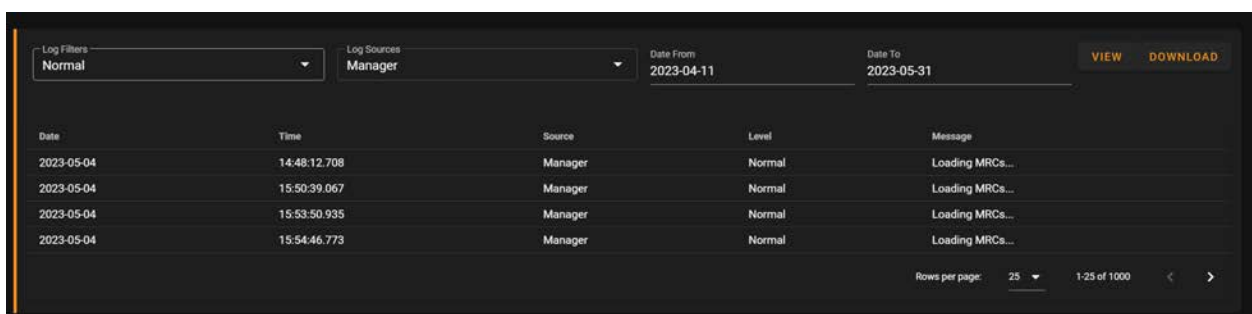
The entire log can be retrieved using the download button.

5 Show Management

The Show management page allows the user to upload and download show files.

Uploading a show

Shows can be uploaded to the Showmaster as individual files or as a combined zip package, which in most cases is the preferred method for handling of large show files with multiple-use images or show data.

5.1.1 Individual file

Clicking the **Add Files** button will open a standard file browser which can be used to select a file for upload. The contents of an entire folder can be added by clicking **Add Folder**. Once files have been selected, they are added to the upload list.
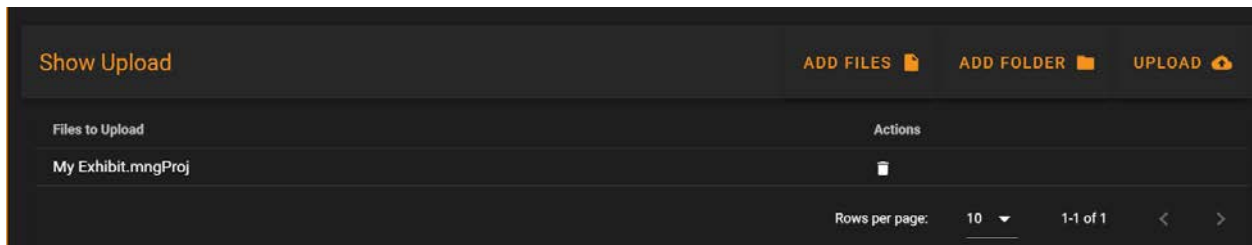
A file can be removed from the list, by clicking the trash can icon to the right of the file name.

Once all files and folders have been selected, click **Upload** to start the transfer.

5.1.2 Zipped Show File

In addition to the show file itself, most Medialon Manager shows include subfolders containing auxiliary files. These folders are named with the show followed by a special extension.

Example

MyShow.ImageFolder
and
MyShow.UserData

In a large project, there can be hundreds of files located in these folders. For easier management the Showmaster web interface accepts files with a zip extension though the **Add Files** button. The zip file should be structured with the show file and any related folders in the root of the Zip.

Example zip file

```
MyShow.mngProj
MyShow.mngVarStor
MyShow.ImageFolder
     { button images etc. }
MyShow.UserData
     { DMX files etc. }
```

5.2 Managing Existing Shows

The **Show Files** section contains a list of shows currently available on the Showmaster along with the actions that can be performed.

Download show will create a single zip file of the show and data folders and make it available for download using the method available in the browser used to view the web site. In most Windows browsers this will place the file in the current user's \downloads folder, or prompt for a 'save as' location.

Delete Show removes the show from the Showmaster. Note this is a non-recoverable action, and a prompt appears requiring confirmation before proceeding.

Load Show will instruct Manager to open the show. Note that this does not set the show as the 'Auto Load' show discussed in the settings section.

6 Settings

The Settings page provides access to various configuration parameters in the Showmaster. The settings are displayed in logical groups, which can be selected using the vertical menu under **Showmaster Configuration**.

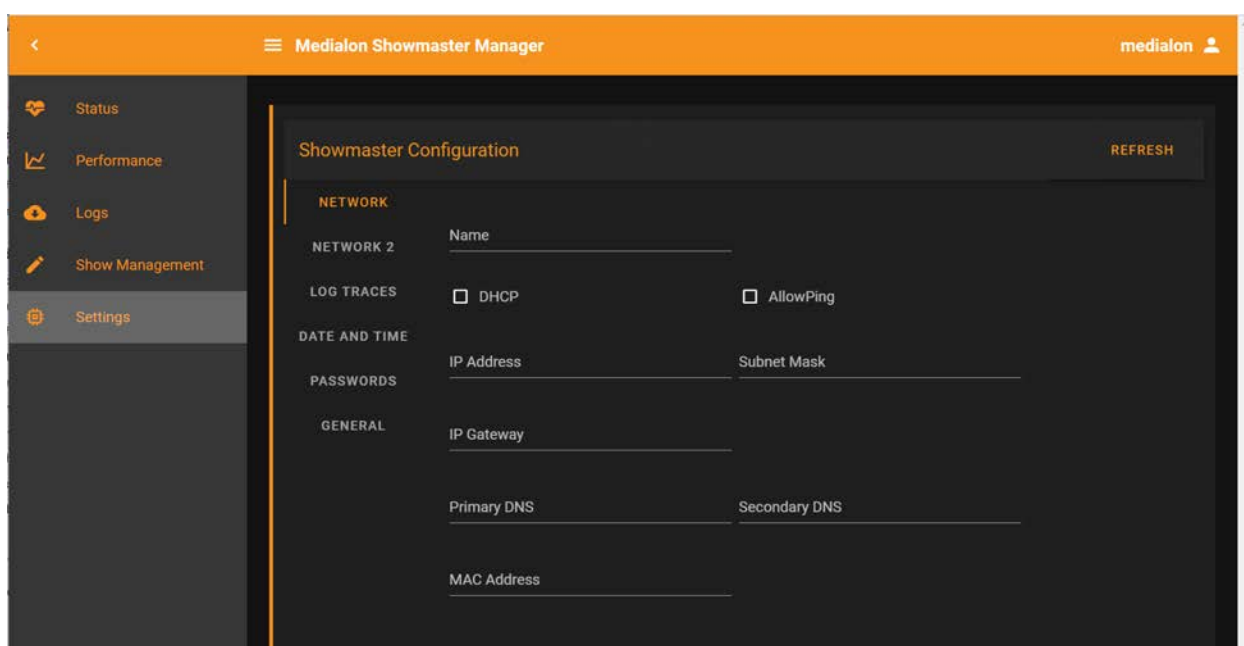When a setting is changed, the configuration menu will display some additional options.
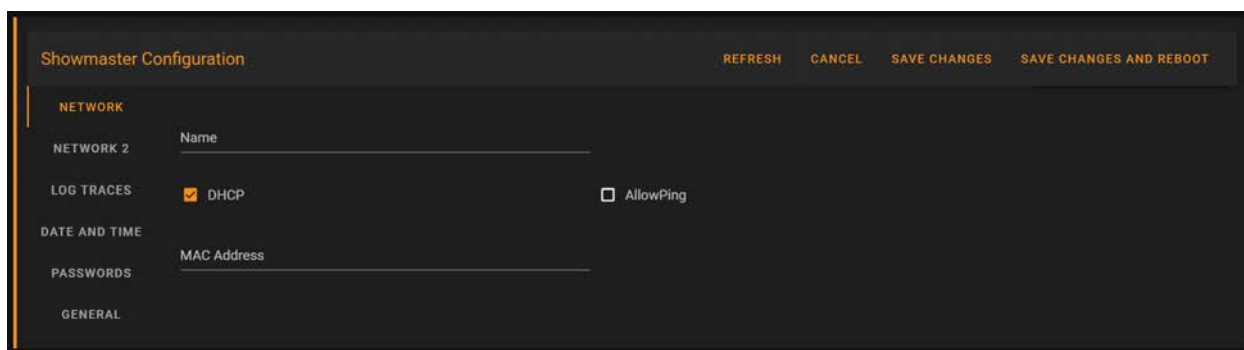
Save Changes sends the updated settings to the Showmaster.

Save Changes and Reboot sends the updated settings and then instructs the Showmaster to reboot, forcing the settings to be reloaded by Manager.

Cancel aborts any changed to the settings.

6.1 Network

Settings

Name   Showmaster's user-defined Name

DHCP   Enable DHCP to obtain an automatic IP address

If DHCP Mode is not selected the following options will become visible to manually set the network details.

IP Address   Enter an IP Address if DHCP is not active

IP Mask   Enter a subnet mask if DHCP is not active

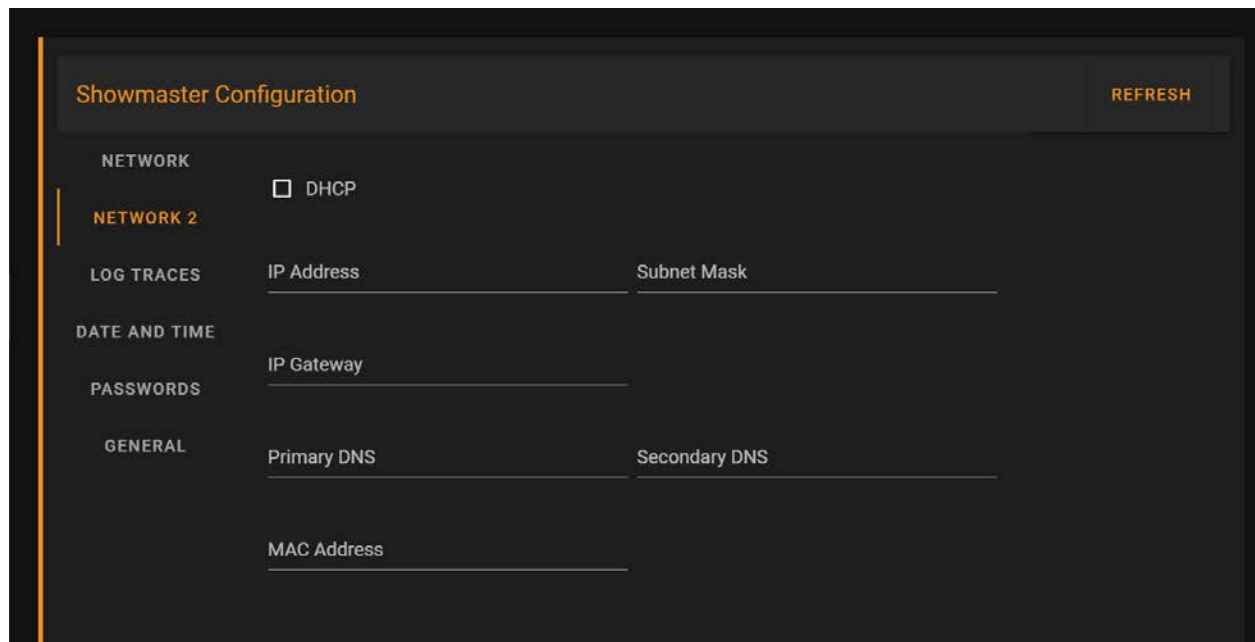**IP Gateway**   Enter the gateway address of your network

Primary DNS   Enter the primary DNS address of your network

Secondary DNS   Enter the secondary DNS address of your network

MAC Address   This field displays the MAC Address of the NIC. It is provided for information only and cannot be changed.

6.2 Network 2

Network 2 settings are applied to the second Network Interface and mirror the options available on the main network interface.

6.3 Log Traces

This page provides control over the logging system on the Showmaster. It mirrors the same functionality provided through the Preferences screen in the Medialon Manager application.

Enable Memory and Process Traces controls whether the Showmaster will log memory and thread usage of the Manager application. This data is displayed on the Performance page described previously. The period between traces (in seconds) can be set using the 'Frequency(s)' field.

Enable Showmaster Cue traces. This option enables or disables the tracing of all cues played by Showmaster.

'Trace Buffer Size' defines the size of the Trace buffer, expressed in number of messages (min = 10, max = 100000).

'History Size' defines for how many days the Logs Traces will be kept. New settings become active after the next day change.

Enable Module Traces controls whether MXM and/or MRC activity is logged to the trace buffer. This can be set on a per module basis. This function can be useful for tracing connection problems to Network or serial connected external devices.

Checking the 'Log' box for a Module enables general tracing. Checking the 'LT' box enables tracing of all commands.

Note that logging should generally be used sparingly and mostly to help debug issues. Extensive and continuous logging can impact the real time performance of the Showmaster and cause excessive wear to the solid state hard drive inside the unit.

6.4 Date and Time

This page controls the time of day settings on the Showmaster. It is generally recommended to link the Showmaster to the Windows default network time server to avoid drift, however in cases where this is not possible, the time and date can be manually set using this page.
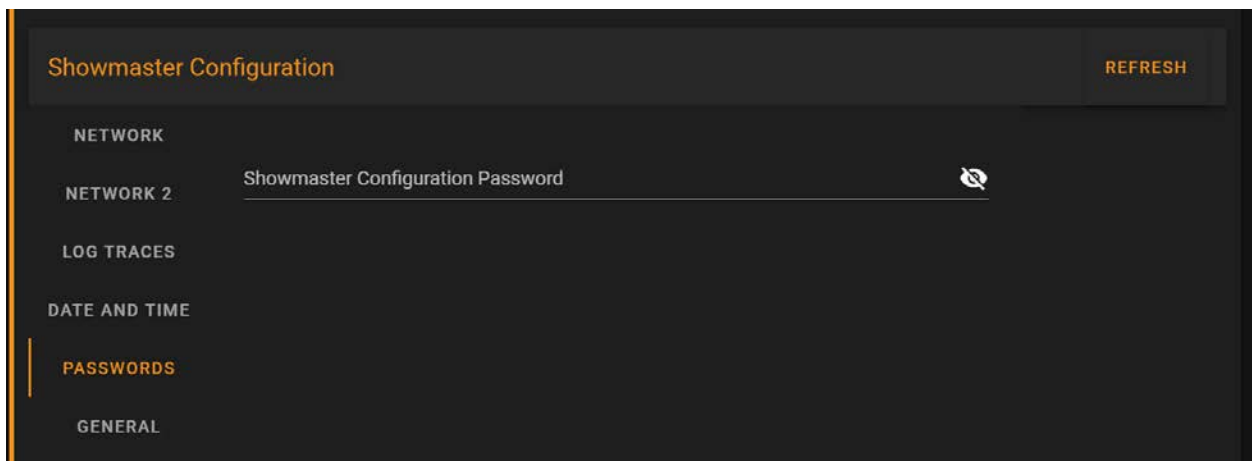
If **Auto Update** is checked, the Showmaster will use the Windows automatic date and time update feature built into Windows. If required, a custom time server can be entered.
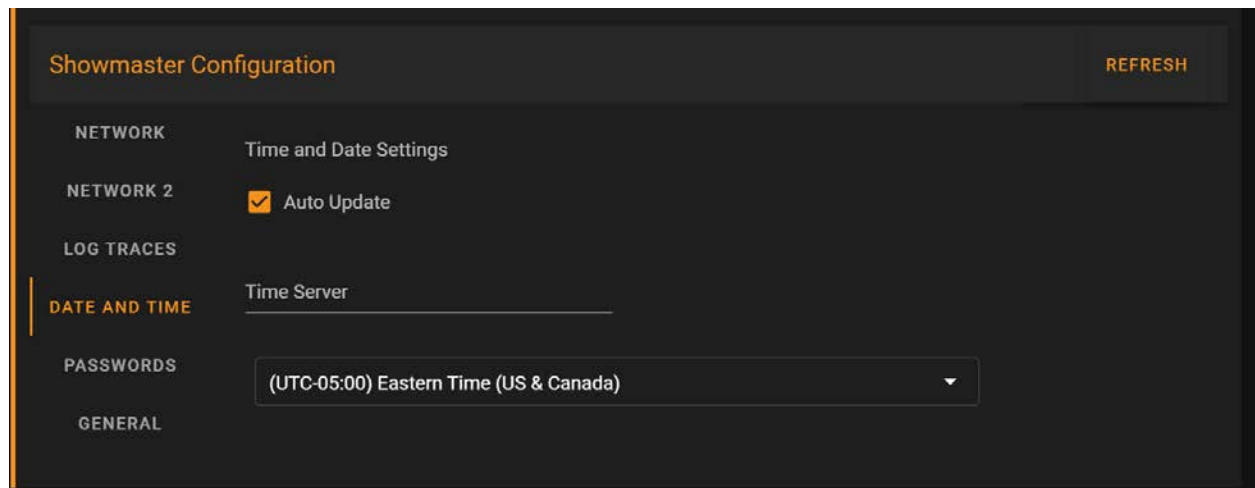
If **Auto Update** is not selected, enter a date, time and time zone for the Showmaster. This time will be set when 'Save Changes' at the top right is clicked.
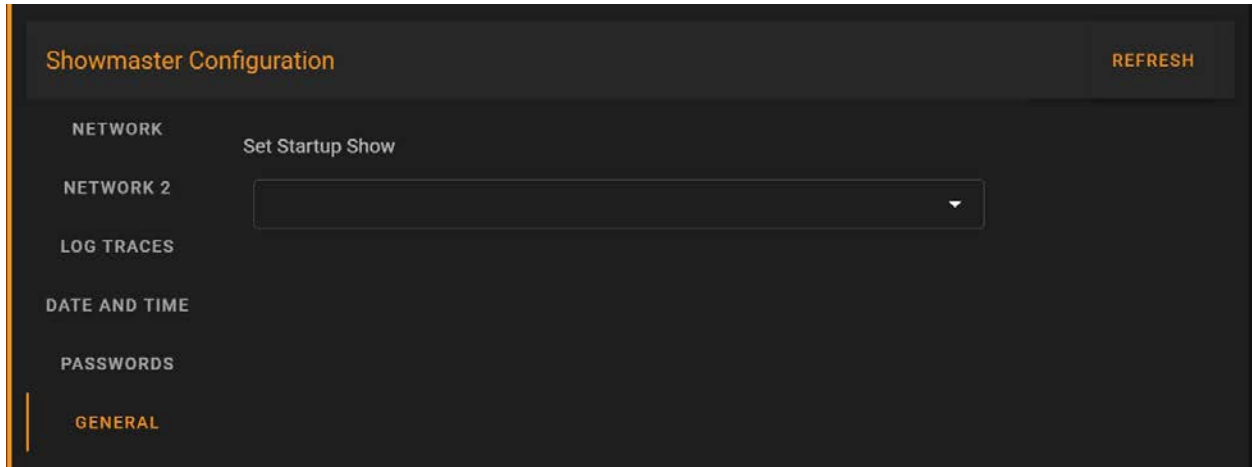
Settings
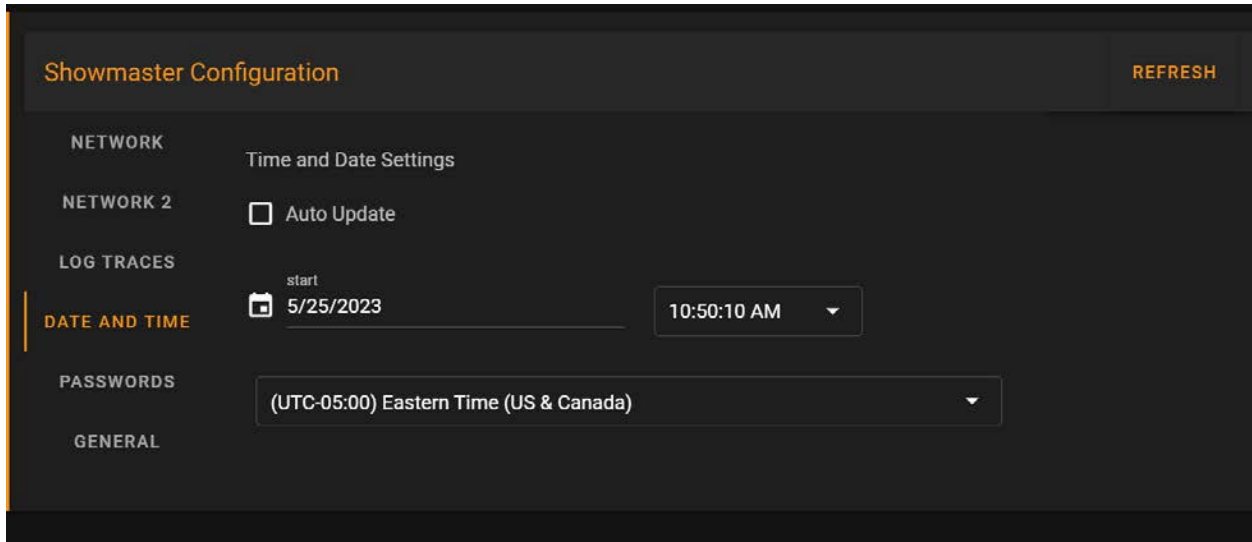
6.5 Passwords

The Passwords page is used to set the password for the web configuration tool. By default a Showmaster ships with no password, so it is generally advised to change this as soon as possible.

6.6 General

The general page is used to set other miscellaneous options.

Set Startup Show sets the show that will automatically load when the Showmaster powers up or is reset.

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