



Dedication to Performance

mc1010cd, 500p, 500sp
Music Streamer / Server / Player

Made in Germany

Owner's Manual



Important Information!

Attention: Keep the unit away from high humidity, vibration, excessive dust and direct sunlight. Excessive heat or cold will affect the unit's functionality. The permitted operating temperature is 10°C up to 50°C. Avoid extreme variations in temperature. Do not operate the unit near other electric appliances (for instance neon light and motors). The unit should not be opened without the assistance of a qualified technician.

KETI, CE-Marking

This product is in conformity with the EMC directive and low-voltage directive. Your MC component complies with the household power and safety requirements in your area.



Warranty

MC affords a full warranty. Please pay attention to the details given in the warranty card which accompanies the unit. Warranty is only issued for the unit.



A PROVEN SOUND TECHNOLOGY



mc1010cd, 500p, 500sp
High Definition Music Streamer / Server / Player

PRODUCT USER MANUAL

Product by MC Germany



Model: mc1010cd, mc500p and mc500sp

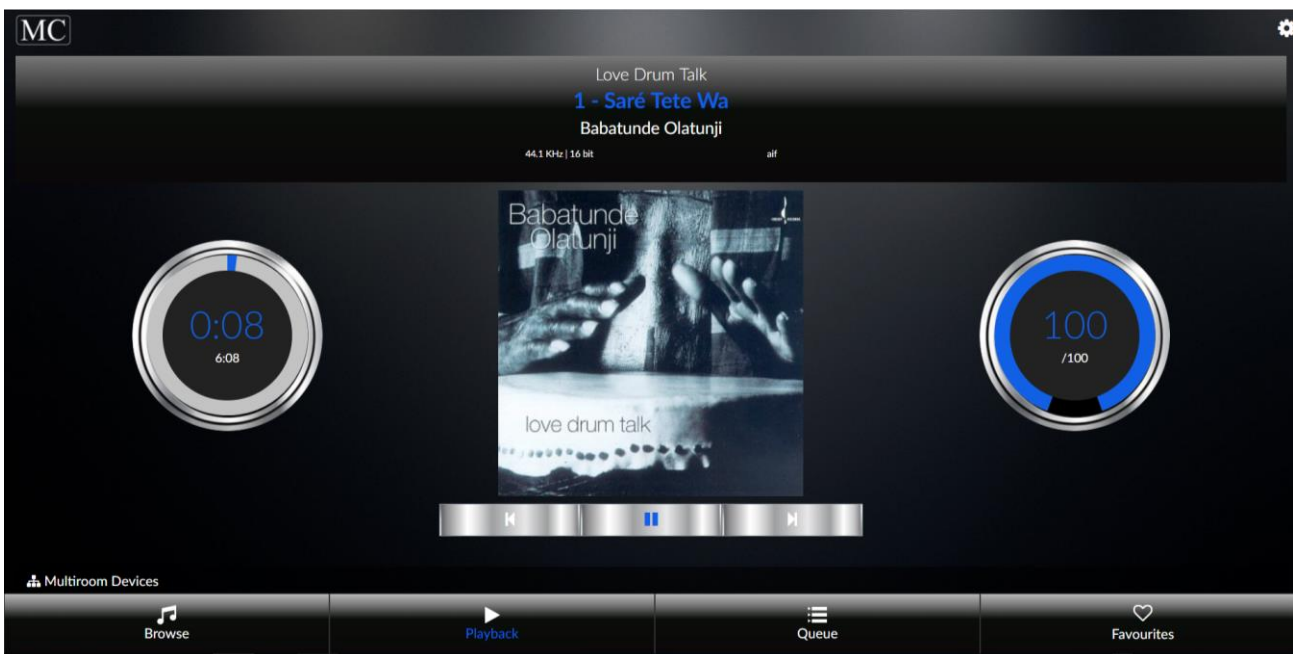
Description: High Definition Music Streamer / Server / Player

Design Concept:

It is the enhanced successor of our previous model mc1010 and our awarded model mc500 and mc500a CD players' platform. The same high-quality standard is retained in our audio section to ensure the no-compromise-on-quality approach that our technologies are adopting in our system.

We follow the mc1010 design and updated some of the functions and hardware design. Basically, our purpose for this development is to provide a source playback ability along with our product line since CD Player will not continue to produce due to the trend and the need in the market. So as of the technology today, streaming function is becoming more mature in the field. We could develop and product something equal and higher than a CD Player quality in term of sound aspect.

The basic platform is based on our CD structure and maintain the best designs of the original awarded CD player mc501 and mc501a. We continue to use the same audio DAC which followed the CD specification for the decoding up to 384k. This basic model can handle DsD up to also 11,28 MHz It is an ideal model for CD lovers who want to maintain the sound quality and the characteristic as High-resolution CD sound reproduction.



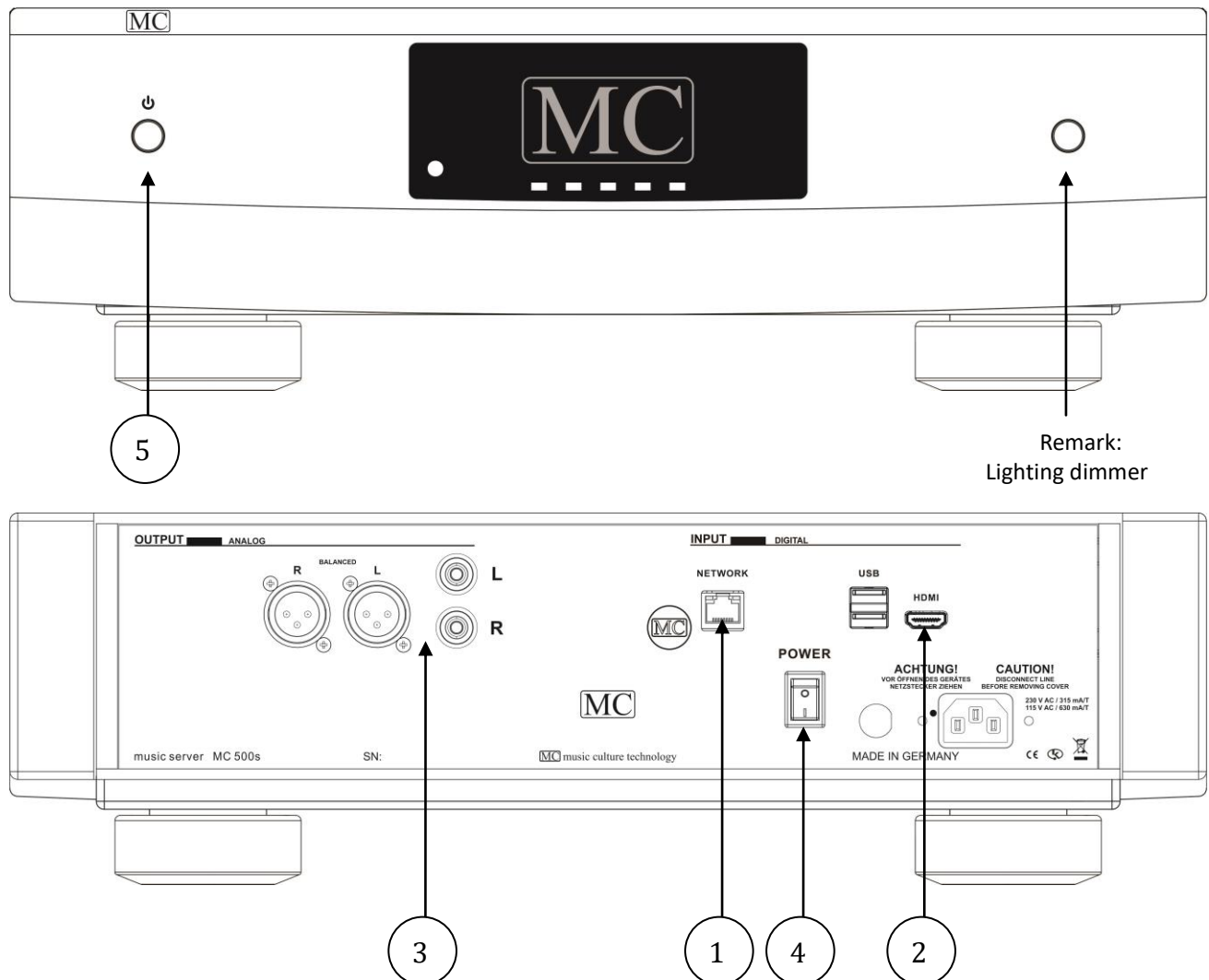


Product Features:

1. Newly developed High-Tech Concurrent power supply for DACs section;
2. DsD Native 64, 128, 256, 512 and DoP up to 11,28 MHz, PCM up to 32/384 playback and oversampling bypass;
3. Asynchronous clock mode;
4. Bit-transparent operation;
5. Independent toroidal power supplies for CPU and Audio section;
6. Digital output coaxial type;
7. Balance audio output;
8. Unbalance line output (RCA type);
9. HDMI output (video monitor only);
10. Remote song selection and playback by web control and mobile device control ability;
11. Resonance trap construction design for sub-cabinet;
12. Resonance break design for the feet section;
13. Transformer shielded by Metal for absorbing magnet field;
14. Storage functions which including build-in SSD and external NAS and USB connectivity;
15. Optional Wi-Fi hotspot capability;
16. User Friendly Operation, no troublesome learning is needed;
17. Alternative control software can be custom at factory setup and by request during order;
18. And more future functions and features will be supported by system update!



Front Panel / Rear Panel:



1. LAN
 2. HDMI
 3. Balance In (XLR) / Unbalance (RCA)
 4. Power Button (On/Off)
- Remark: Brightness (Dimmer)
Optional: USBs
Main power: IEC Socket 115V/230V



Tips for the beginner:

1. **Internet Connection:** Connect Lan to internet; When the processor on, the LAN port will show both LEDs and confirm the internet is connected. If not, please check your network connection and make sure both LEDs is flashing or light up;
2. **Display setup:** HDMI output to monitor;
3. **Audio setup:** Connect audio output to pre-amp either unbalance (RCA) or balance;
4. **Power up the system:** Plug in power cord to IEC socket; Switch on the unit by pressing rear panel master power on/off switch; Front panel light up with amber light as standby;
5. **Switch on the system:** Power on the unit by pressing front panel on/off button; The line of blue LED bar will light up; The control interface will show up on the screen from the HDMI output to the monitor;
6. **Prepare the system:**
 - 6.1 Go to setup, find network and identify the wire network IP which should be automatically configured. You can enter this IP to your iPad or iPhone browser and navigate the control interface MC App: Netstream App Ver. M1.
 - 6.2 By now you can see the main page which show the whole control interfaces as below.
 - 6.3 Go to set up again, configure song by the inputs such as internal, NAS and USB. Please follow the manual for details.
 - 6.4 Go to set up and find the playback which you can configure the DAC by factory selected DAC. Select the DAC as per factory certification details which showed what DAC used for your unit. MC selected several custom DACs for production use. Once you selected the DAC, go down and decide DSD native or DoP selection. Please note that some of the version which is design for DoP. Please use DoP all the way and select your option as per manual. For DoP selection, you can decide what output format will be deliver to the audio section. (mc1010cd up to 192KHz)
 - 6.5 It is about time to play song from the Music library and select either internal or NAS and USB source. Please note the you must connect to the NAS network drive or put song into the internal drive / music folder. You can plug and play the USB and select it for your music source and navigate Albums, Artists and Genres or any options for the song selections and pick some songs from the manual and play them. In the queue, you can see all selected songs and you can play them with more play functions. For the details, please refer to the user manual for details;
7. **After use:** please turn the player off by pressing the front panel power button. If you will go travel which may be a week or more, please do switch off the entire power by switching off the power switch at the real panel.

**Remarks:**

For this steamer/server/player app. which is a friendly approach design by MC custom version and supported by Volumio Italy. It followed many popular control interfaces to develop and easier operation to use without heavy reading and understanding by a user-friendly design approach.

In fact, we used the common computer approaches for user to set up and control with familiar method such as file browser to find the file location under network and copy files into the music folder easily. You can also see the property of the network device and find your IP which marked when you set up the player name under the Setup / system. You can decide whatever name you like but please follow the computer file format.

If you play with NAS, please select network drive from the list under My music / add new driver

on the screen. If your NAS match with the requirement with system, you can see the drive and path for the music setup. Select the right location and confirm. System will load song from the location and please wait for the loading until finish.

DSD and non DSD sources, when user play with a DSD source, the volume must be at 100% full volume which is automatically. However, any non DSD format sources can adjust the volume level by software turning. It is normal when you experience the volume change on screen. Therefore, you should always assume the volume at the full volume and adjust the volume level on your amplifier.

Caution:

If you have any selection about hardware, please make sure to do the restart procedure to allow the system to recognize the selected changes. However, as the DAC is factory selected, please don't change the DAC setting without factory instruction.

Network Status:

As per the network design, you can select either automatic or manual (highly recommend using automatic in always). System will get the IP from your network router automatically. Go to Setup / Network to see more options.

Please note the Hotspot can be used for the system as an option. However, it requires factory set up and adding wireless access to finish. Please contact with your local distributor for details if you like to add on this option.

**Abnormal Encountered:**

Just in case for the system got any abnormal, please try to restart the system, please go to set up / Shut down / Restart; as per the design we don't have the hardware reset but allow software reset only.) The system will return to default as initial, but it will not affect the existing song storage.

Whole system power down, principally, you will need to power on or power off the system by using the front panel power button. However, it is recommended that you do the software restart, after 5 second (display will go dark), power off the front panel power button is the best use. As the system design has the timer, it got the best protection, but the software restart will double insurance for the best use of a CPU include system. That means, it is no harm to power down the system without software restart step of operation but to perform one more protection is the best way to operation.

Power on the system without any other procedure, just use as normal product for press the

power on button. When the system fully loaded on the screen and the system sound will sound up to confirm the system is 100% normal and ready to use. If not, you may need to restart the system and set up. If you find any difficult, please contact with your local distributor or contact MC Germany for more details.

MC Website: www.music-culture.com



Model: MC NetStream App ver1





Operation Contents:

- 1. Playback (Main Page)
 - ▶ 1.1. Page Layout
 - ▶ 1.2. Multiroom Devices

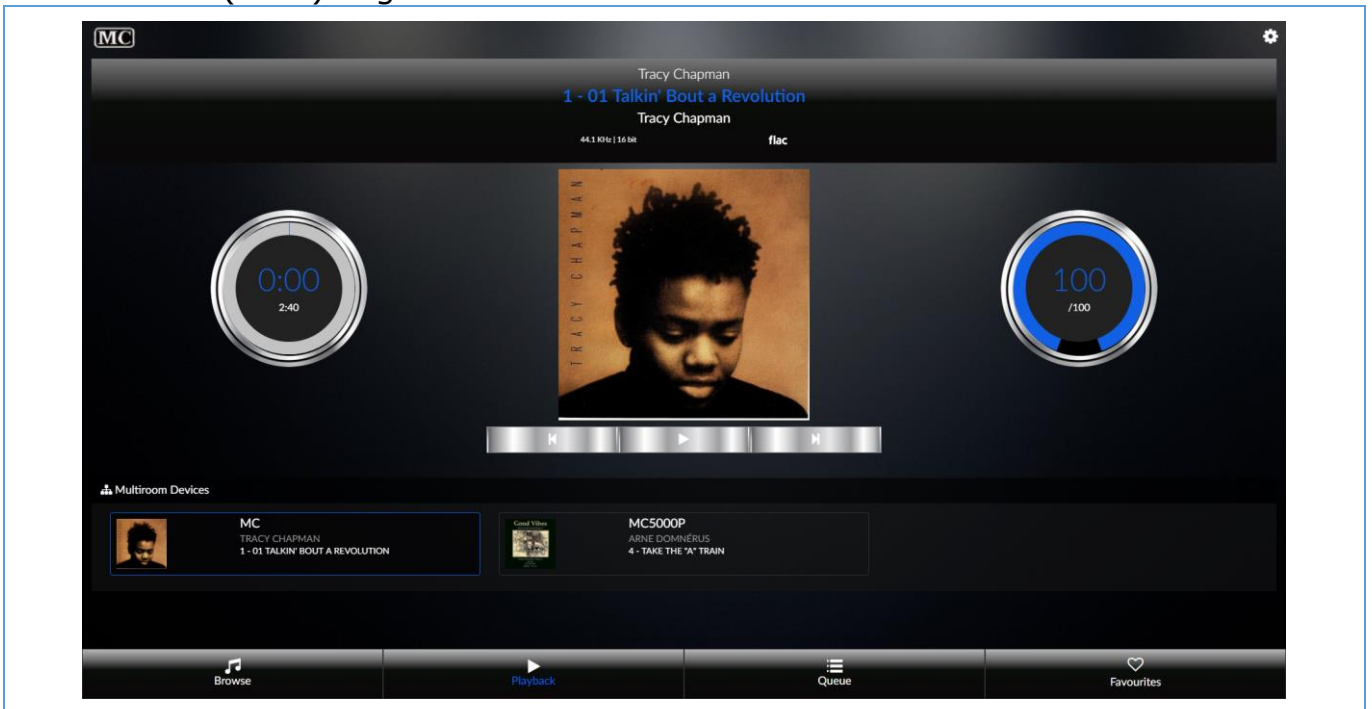
- 2. Browse
 - ▶ 2.1. Favorites
 - ▶ 2.2. Playlists
 - ▶ 2.3. Music Library
 - ▶ 2.4. Artists
 - ▶ 2.5. Albums
 - ▶ 2.6. Genres
 - ▶ 2.7. Last 100
 - ▶ 2.8. Web Radios

- 3. Queue
 - ▶ Queue

- 4. Menu
 - ▶ 4.1. My Music
 - ▶ 4.2. Playback Options
 - ▶ 4.3. Network
 - ▶ 4.4. System
 - ▶ 4.5. Sleep
 - ▶ 4.6. Shutdown



1. PLAYBACK (Main) Page



- ▶ Music Track Information (artist / track name / album / album artist / bitrates & format)



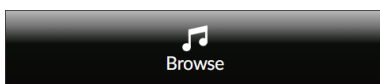
- ▶ Album Art



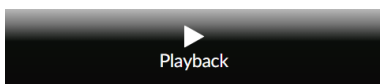
▶ Left dial (play time)



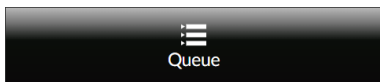
▶ Right dial (volume)



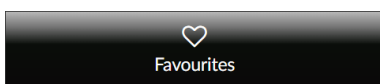
▶ Go to BROWSE page



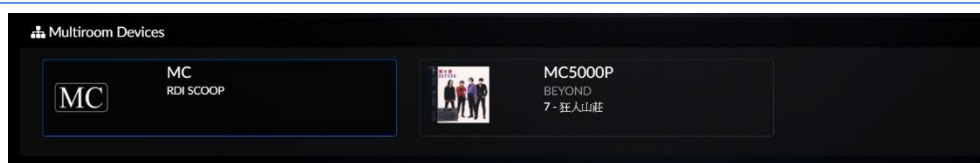
▶ Go to PLAYBACK page



▶ Go to Queue page



▶ Add current music to Favorites



▶ Multiroom Devices



2. BROWSE page



▶ FAVORITES – Go to Favorites page



▶ PLAYLISTS – Go to Playlists page



▶ MUSIC LIBRARY – Go to Music Library page



▶ ARTISTS – Go to Artists page



▶ ALBUMS – Go to Albums page



▶ GENRES – Go to Genres page



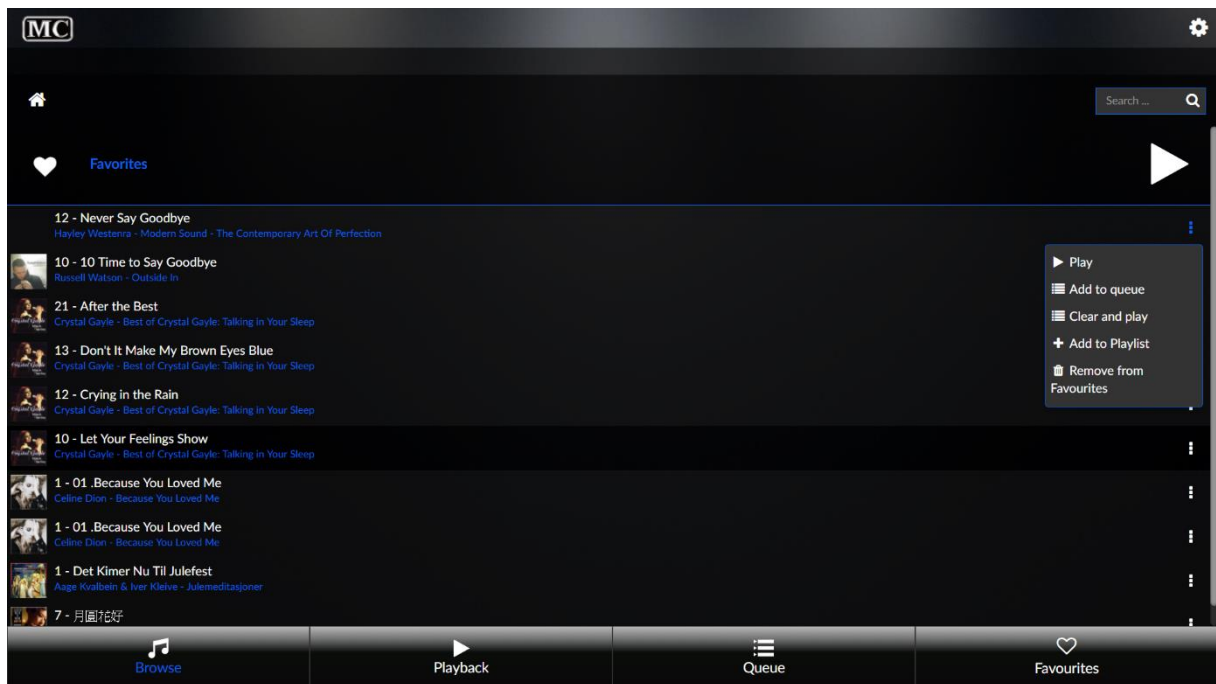
▶ LAST 100 – Go to Last 100 page



▶ WEB RADIO – Go to Web Radio page



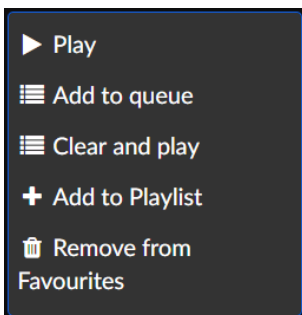
2.1 FAVORITES



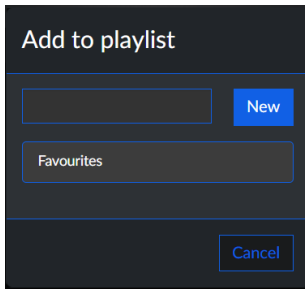
▶ Play Favorites



▶ Content Menu

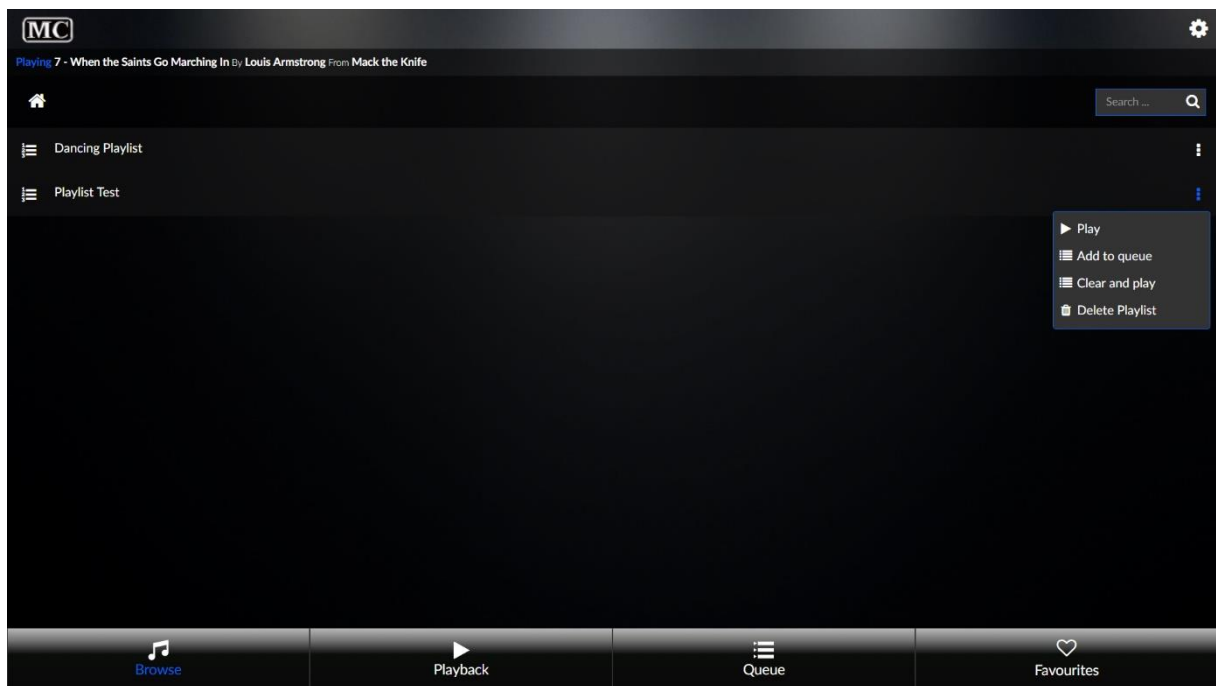


- ▶ Play selected track
- ▶ Add selected track to queue
- ▶ Clear played queue and play
- ▶ Add selected track to Playlist
- ▶ Remove selected track from Favorites

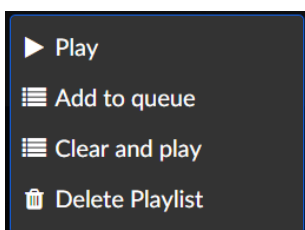


- ▶ Add selected track to Playlist

2.2. PLAYLISTS



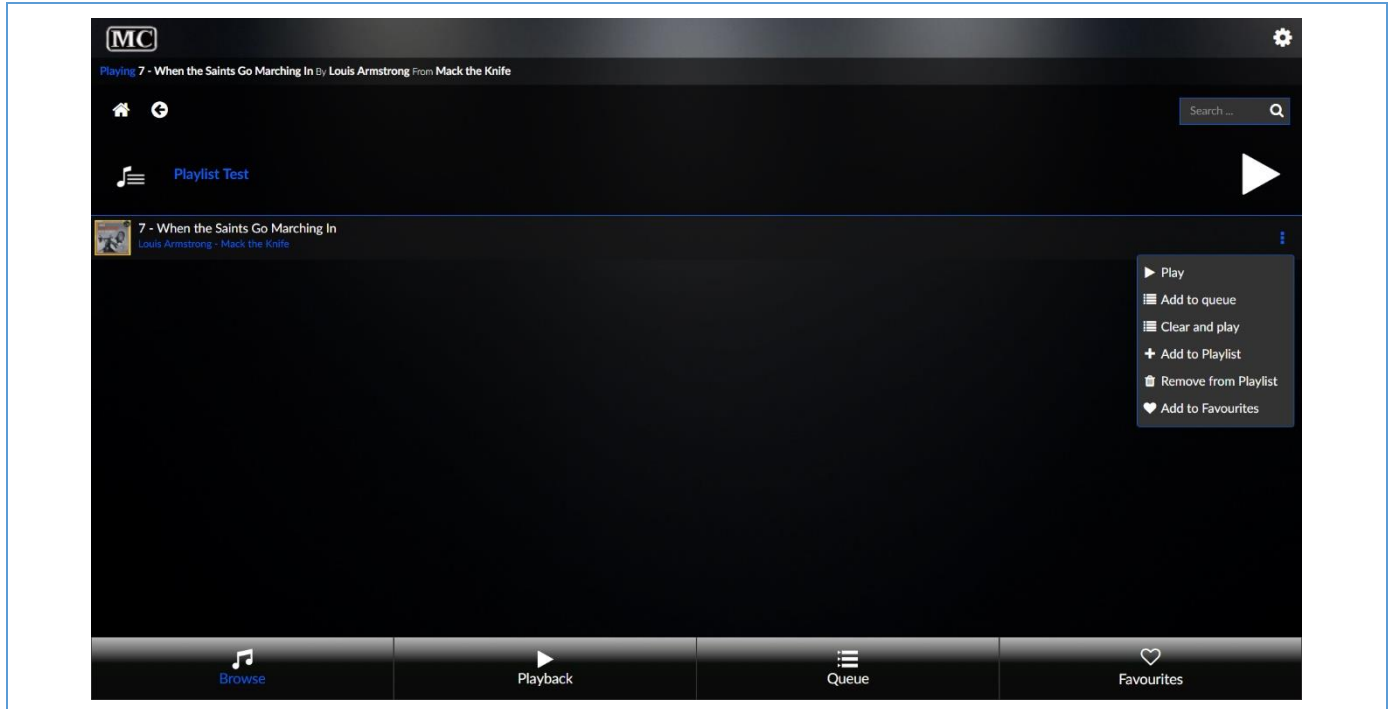
▶ Content Menu



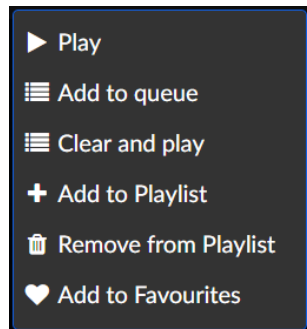
- ▶ Play selected playlist
- ▶ Add selected playlist to queue
- ▶ Clear played queue and play
- ▶ Remove selected playlist



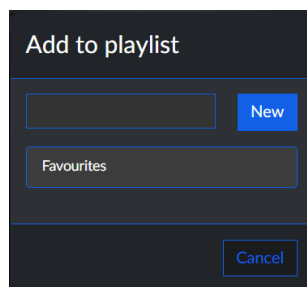
2.2.1. PLAYLISTS / PLAYLIST



▶ Content Menu



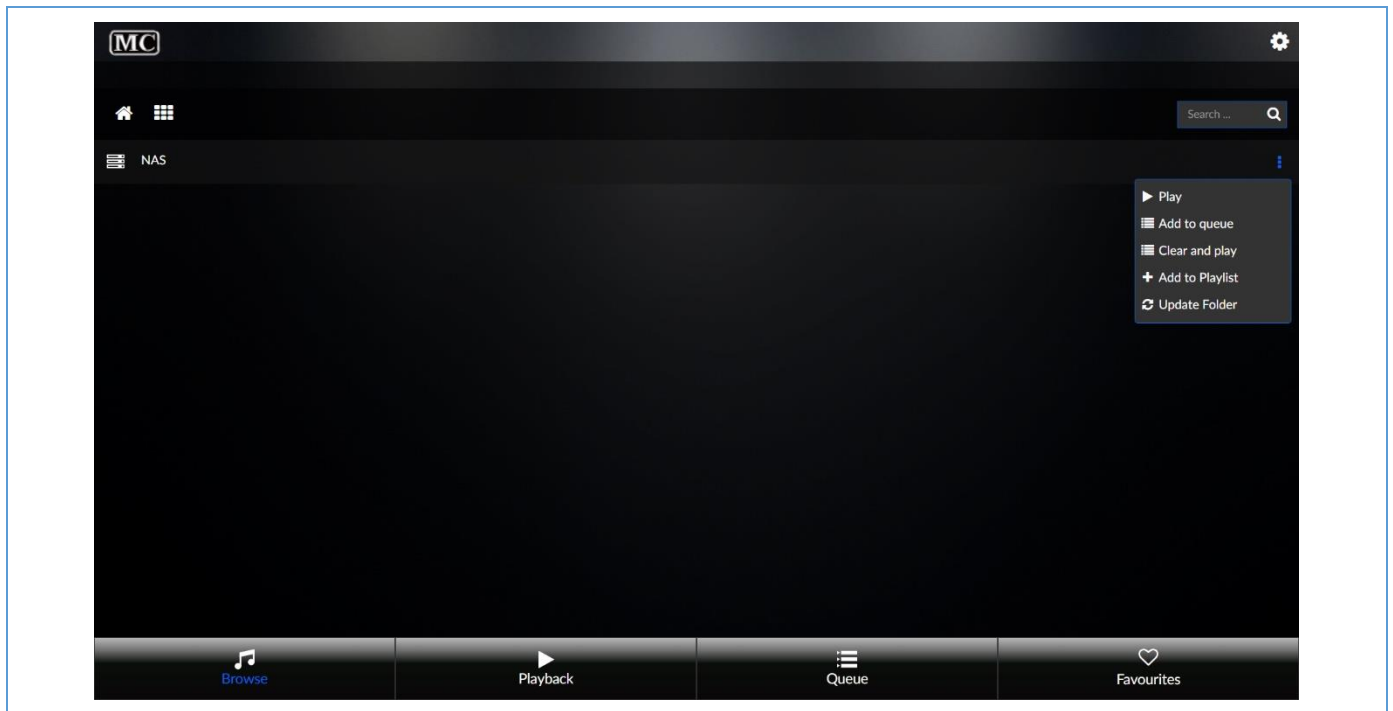
- ▶ Play selected track
- ▶ Add selected track to queue
- ▶ Clear played queue and play
- ▶ Add selected track to Playlist
- ▶ Remove selected track from Playlist
- ▶ Add selected track to Favorites




- ▶ Add selected track to Playlist



2.3. MUSIC LIBRARY









INTERNAL NAS

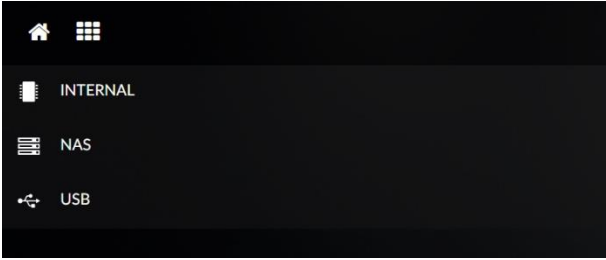
Album Views



Switch to List Views ▼






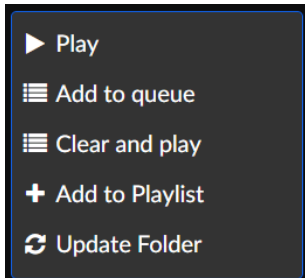
Switch to Album Views ▲



INTERNAL
NAS
USB

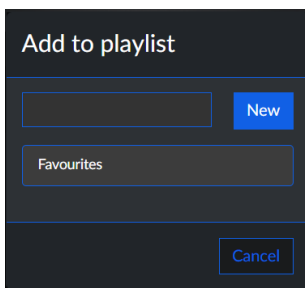
List Views

	INTERNAL	NAS	USB
Storage Type	 INTERNAL	 NAS	 USB
	Local storage	Network Drives	Removable Devices



▶ Content Menu

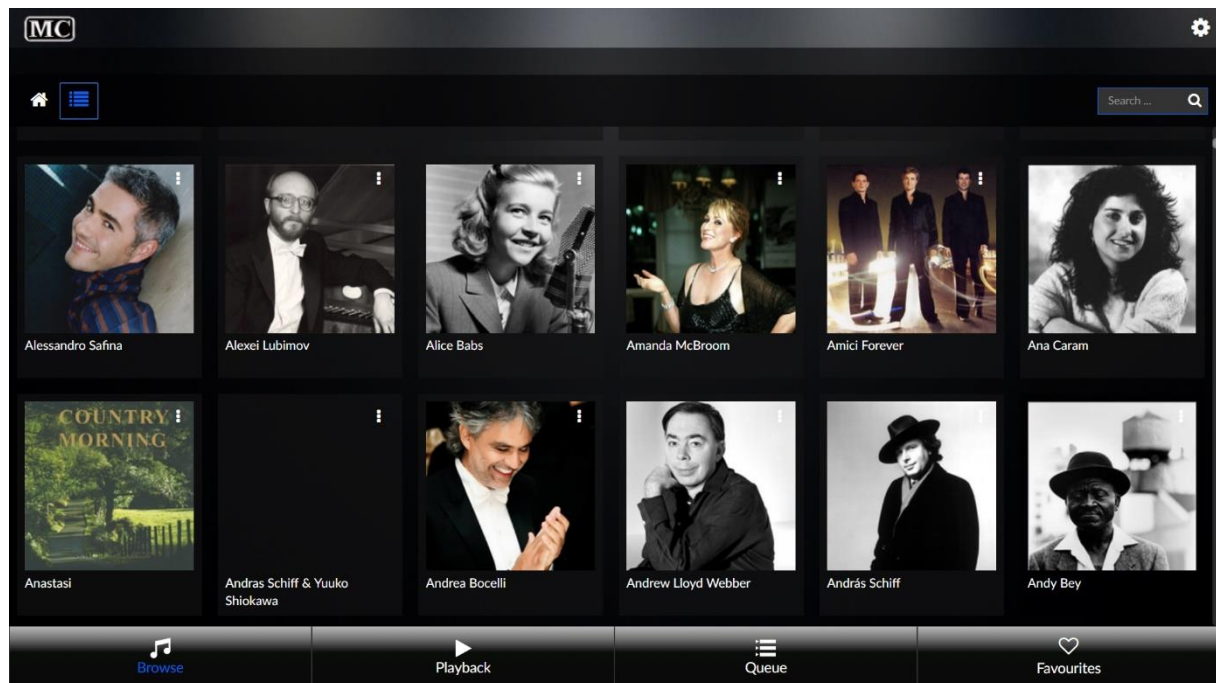
- ▶ Play selected track
- ▶ Add selected track to queue
- ▶ Clear played queue and play
- ▶ Add selected track to Playlist
- ▶ Update the Folder list



- ▶ Add selected track to Playlist



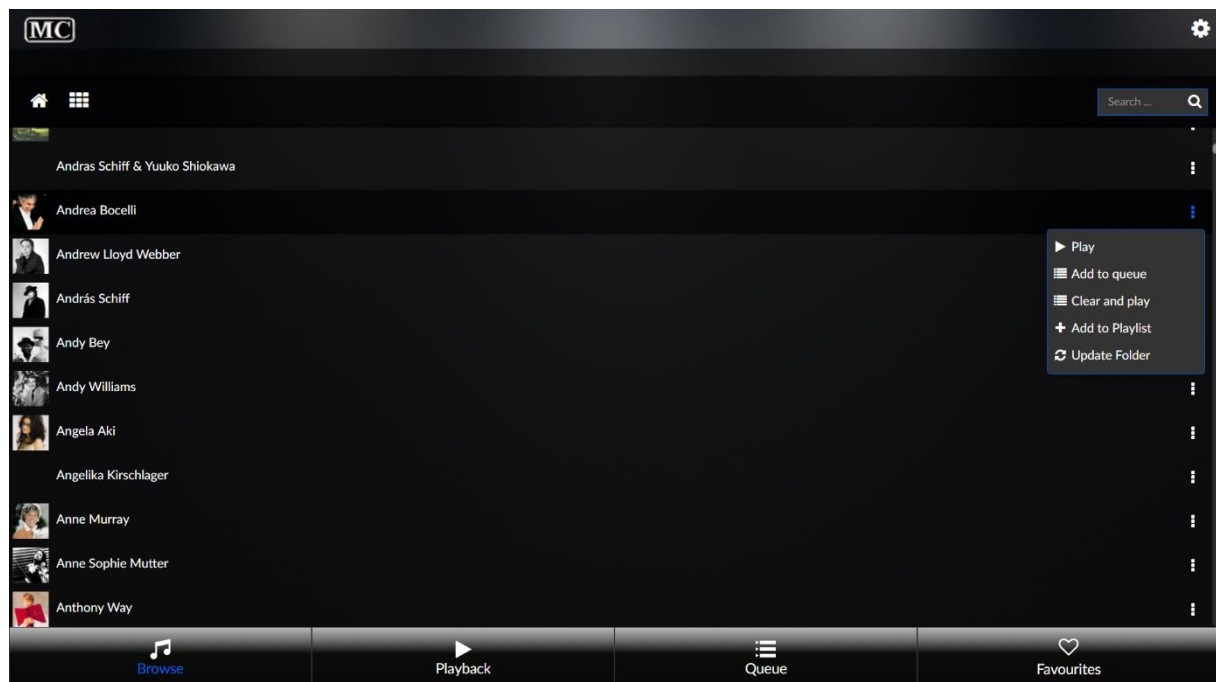
2.4. ARTISTS page



Switch to List Views ▼

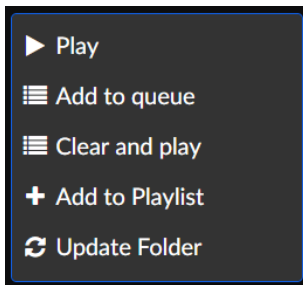


Switch to Album Views ▲

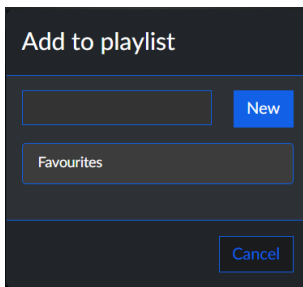




▶ Content Menu



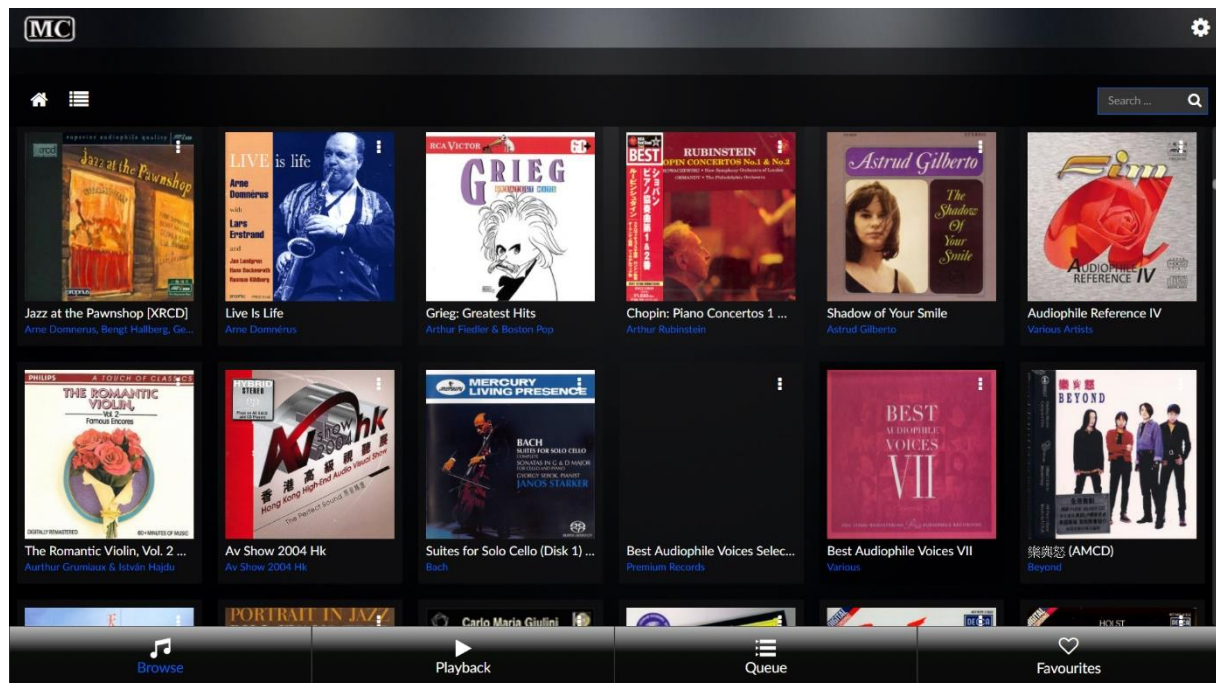
- ▶ Play selected track
- ▶ Add selected track to queue
- ▶ Clear played queue and play
- ▶ Add selected track to Playlist
- ▶ Update the Folder list



- ▶ Add selected track to Playlist



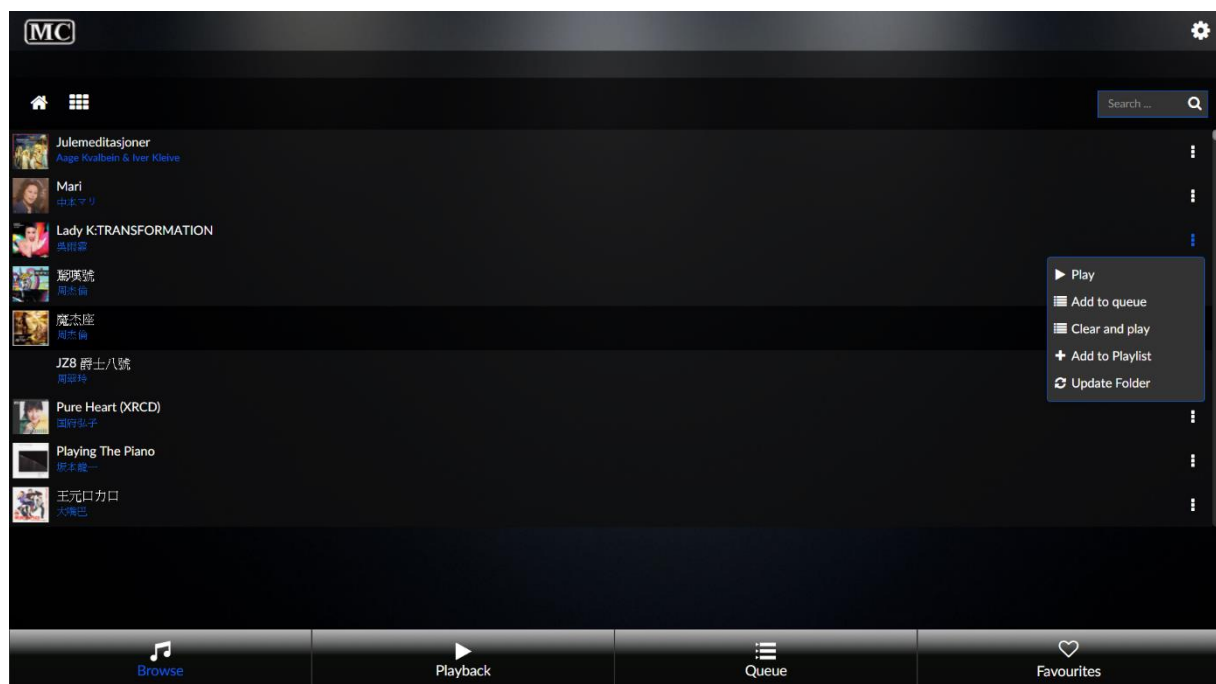
2.5. ALBUMS

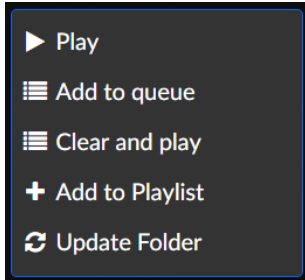


Switch to List Views ▾



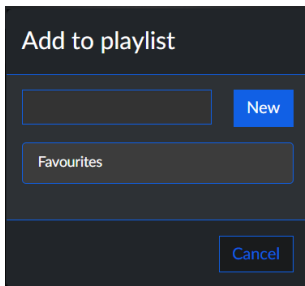
Switch to Album Views ▲





▶ Content Menu

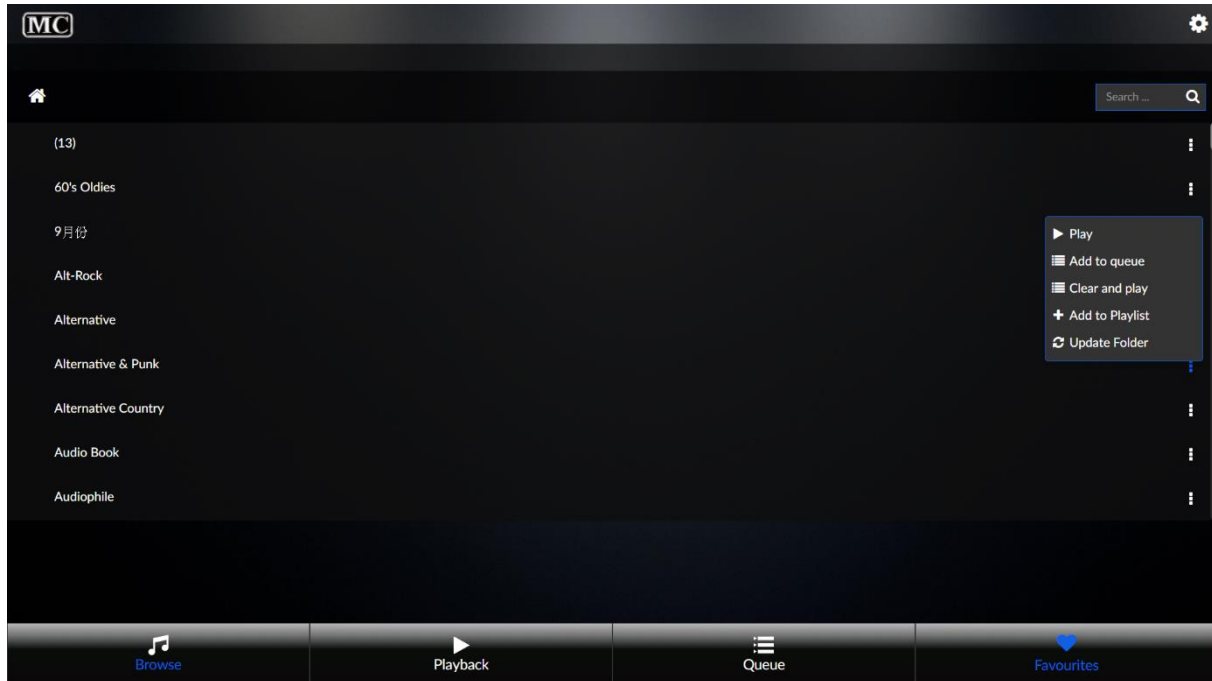
- ▶ Play selected track
- ▶ Add selected track to queue
- ▶ Clear played queue and play
- ▶ Add selected track to Playlist
- ▶ Update the Folder list



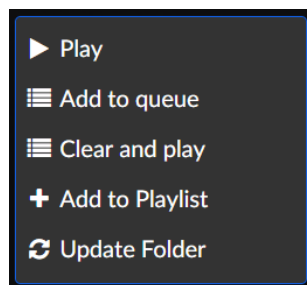
- ▶ Add selected track to Playlist



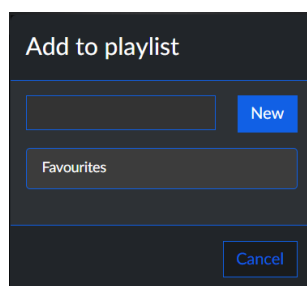
2.6. GENRES



▶ Content Menu



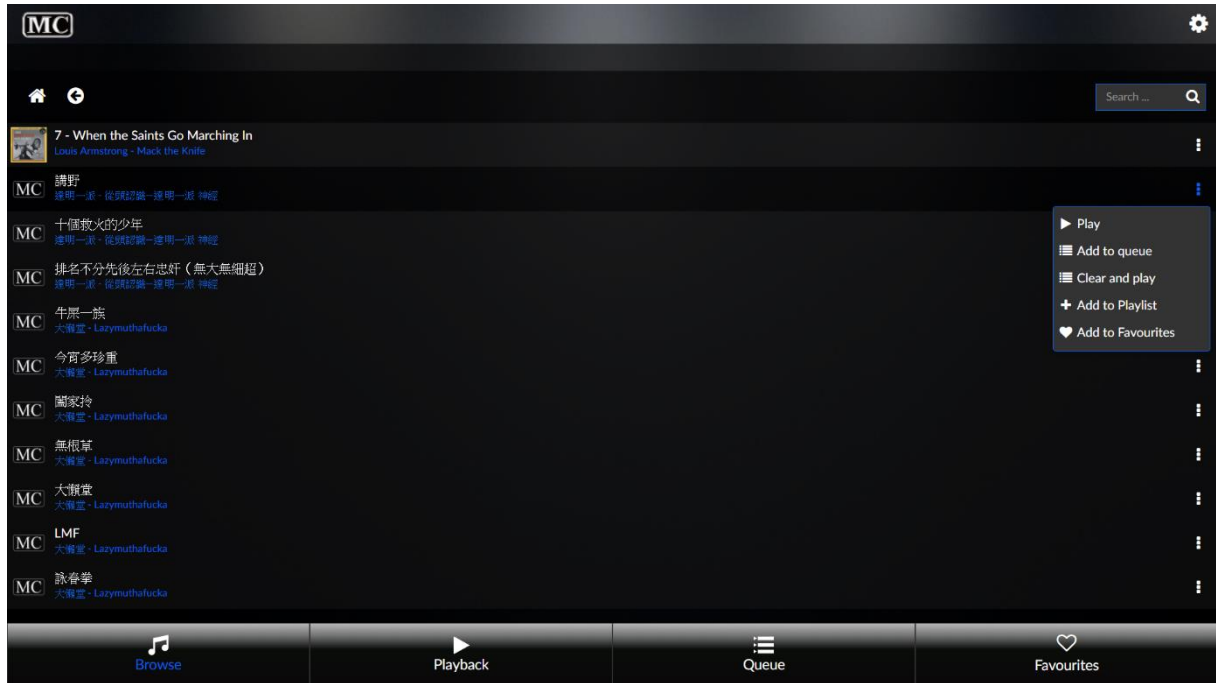
- ▶ Play selected track
- ▶ Add selected track to queue
- ▶ Clear played queue and play
- ▶ Add selected track to Playlist
- ▶ Update the Folder list



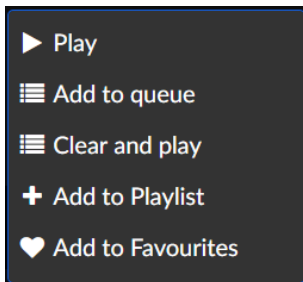
- ▶ Add selected track to Playlist



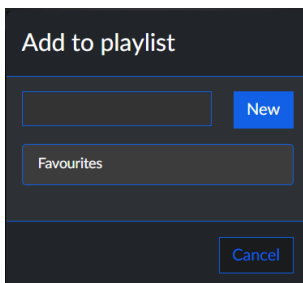
2.7. LAST 100



▶ Content Menu



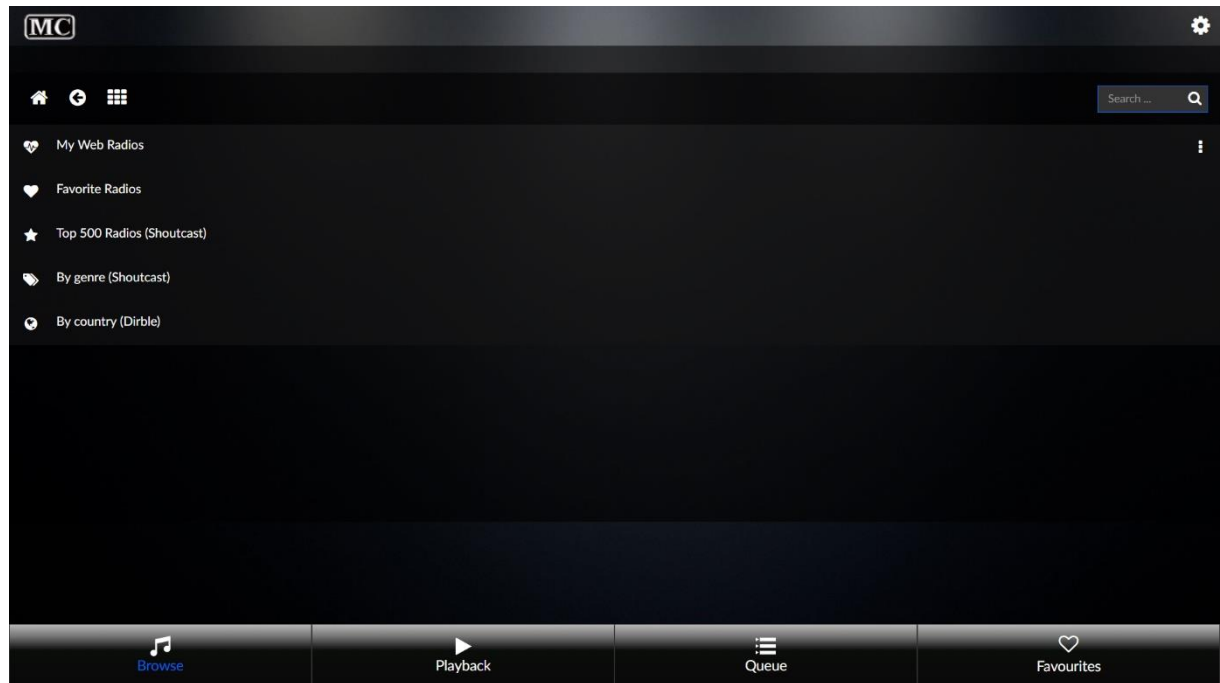
- ▶ Play selected track
- ▶ Add selected track to queue
- ▶ Clear played queue and play
- ▶ Add selected track to Playlist
- ▶ Add selected track to Favorites



- ▶ Add selected track to Playlist

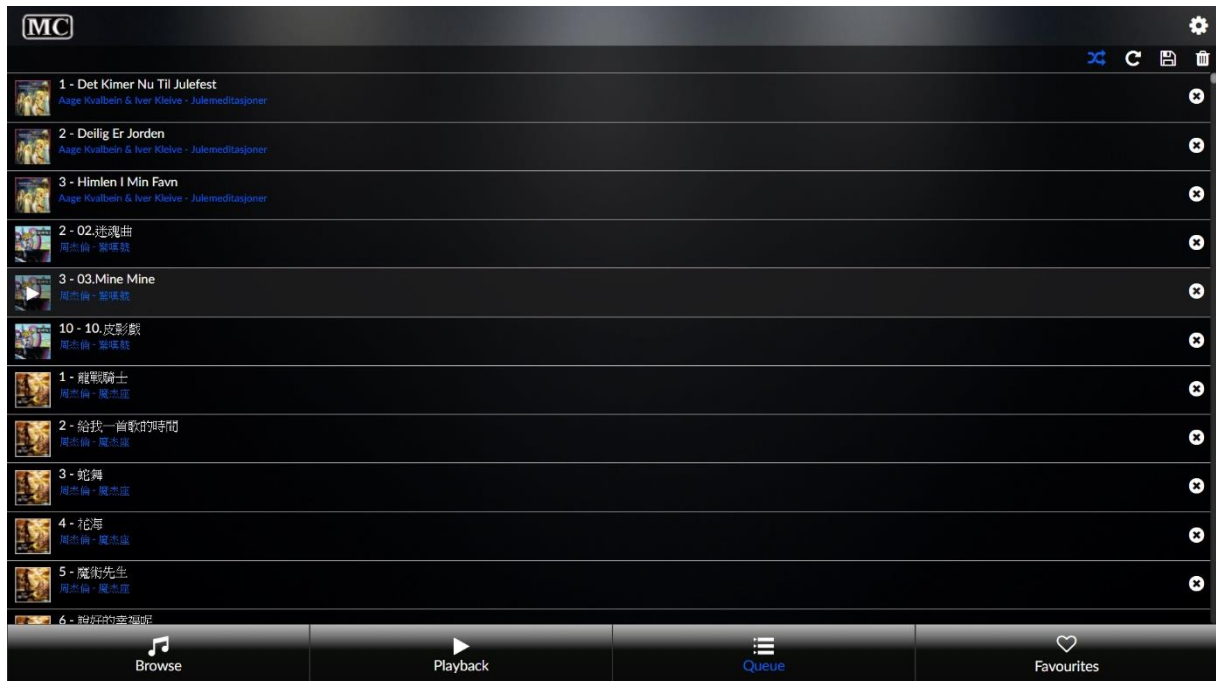


2.8. WEB RADIOS





3. QUEUES



▶ Random Play



▶ Repeat Play



▶ Save queue as Playlist



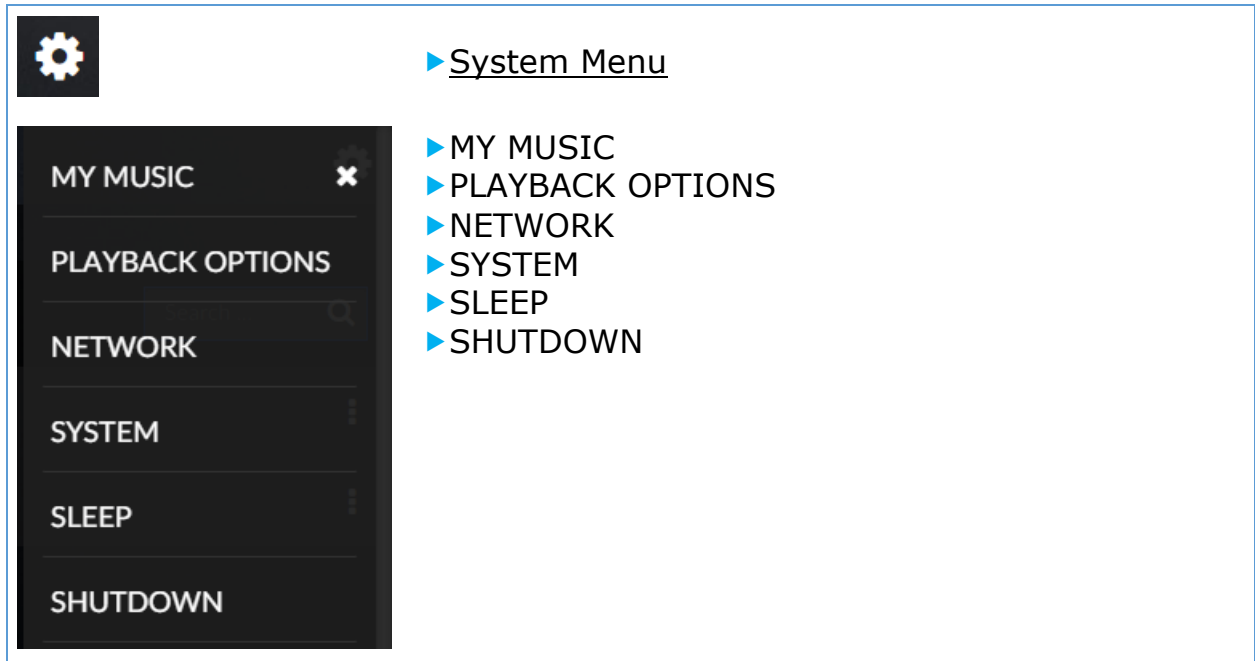
▶ Clear queue



▶ Remove selected track from queue



4. MENU





4.1. MY MUSIC

4.1.1. MY MUSIC ► My Music

Artists	Albums	Tracks	Playtime
982	1180	21925	1584:25:01

[Update](#) [Rescan](#)

[Update](#)

Update music database entire for any changed, new or deleted files

[Rescan](#)

Remake music database entire for all files

4.1.2. MY MUSIC ► Network Drives

Alias	Path	Mounted	Size	
files	\\VORTEXBOX\files	✓	330.24 GB	
Internal Storage	\\MC5000P\Internal Storage	✓	249.73 GB	
Internal Storage2	\\MC500P\Internal Storage	✓	171.45 MB	

[+ Add New Drive](#)



► Add New Drive

Scanning for network drives

Alias

Name

Choose an Alias that will be displayed in NAS Mounts

NAS IP Address

NAS Ip Address or Name

IP Address of your Network Drive

Path

Path/to/Share

Network Share Name or subfolder path

File Share Type

cifs

Username

Username

Password

Password

Options

Options

Hide Advanced Options

Cancel

Save

+ Add New Drive

► Remove Network Drive



► Modify Network Drive Settings

Internal Storage

MC5000P:Internal Storage

249.74 GB

Internal Storage

MC5000P

Internal Storage

cifs

Username

Password

Options

Hide Advanced Options

Cancel

Save

Internal Storage

MC5000P

Internal Storage

cifs

Username

Password

Options

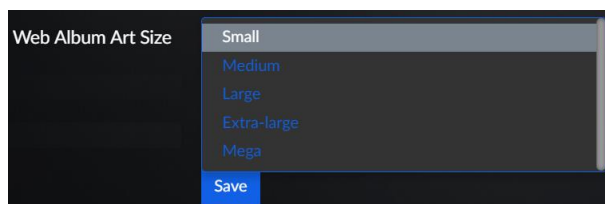
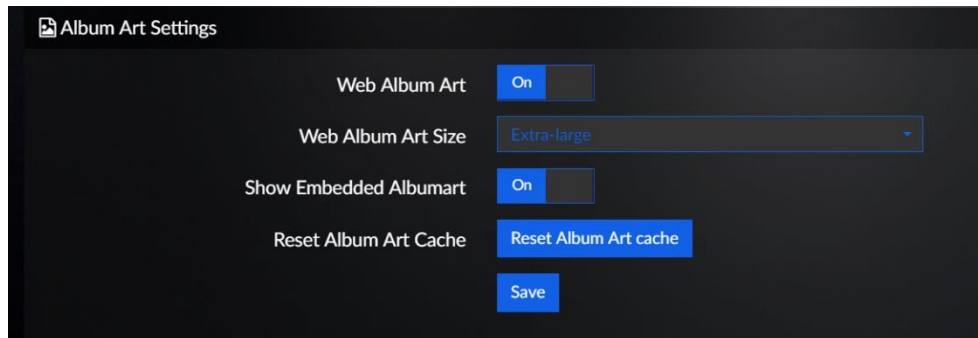
Hide Advanced Options

Cancel

Save



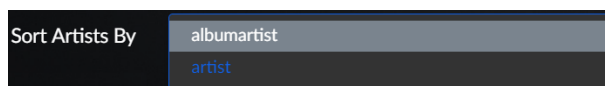
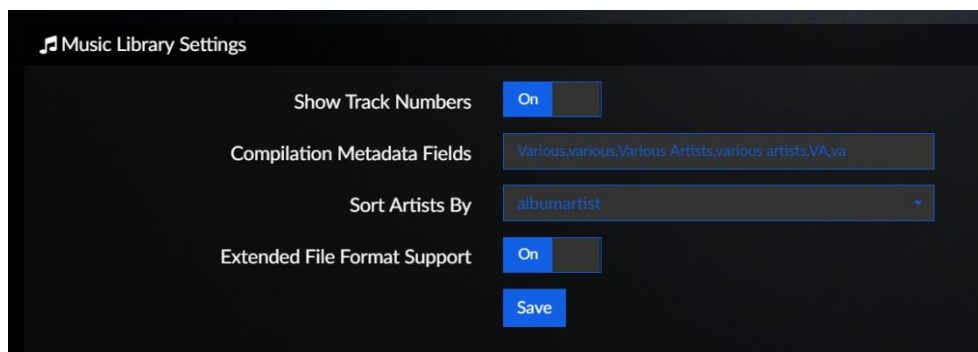
4.1.3. MY MUSIC ▶ Album Art Settings



▶ Web Album Art Size

(Small/Medium/Large/Extra-Large/Mega)

4.1.4. MY MUSIC ▶ Music Library Settings

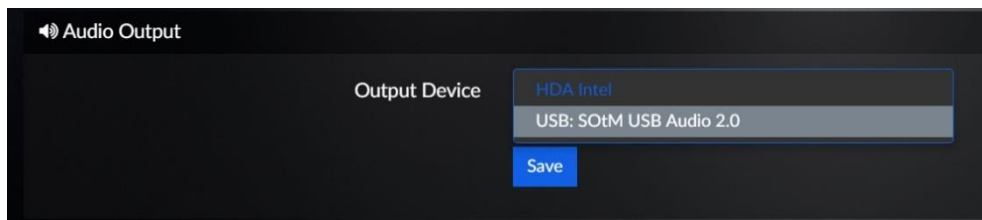


Sort Artists By
(Albumartist / Artist)

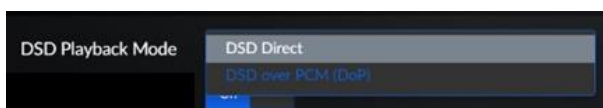
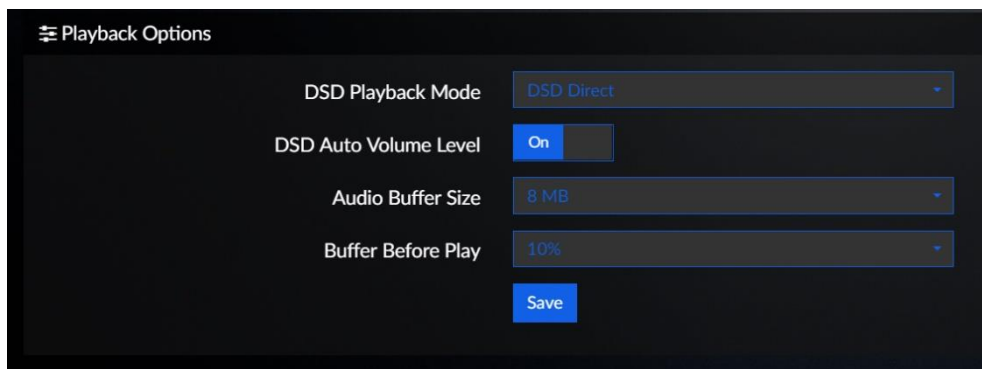


4.2. PLAYBACK OPTIONS

4.2.1. PLAYBACK OPTIONS ▶ Audio Output



4.2.2. PLAYBACK OPTIONS ▶ Playback Options



▶ DSD Playback Mode
(DSD Direct / DSD over PCM
(DoP))



4.2.3. PLAYBACK OPTIONS / Volume Options

Volume Options

Mixer Type: Hardware

Mixer Control Name: XMOS Clock Selector

Default Startup Volume: 30

Max Volume Level: 100

Save

Mixer Type

Hardware

Software

None

Mixer Control Name

SOTM Clock Selector

SOTM Clock Selector.1

Default Startup Volume

Disabled

10

20

30

40

50

60

Max Volume Level

40

50

60

70

80

90

100

► Mixer Type
(Hardware/Software/None)

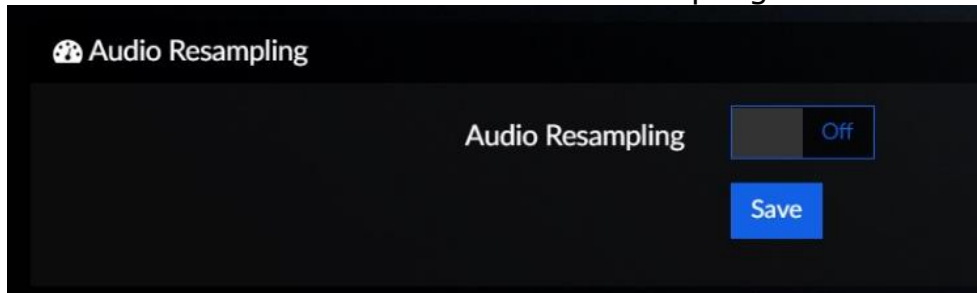
► Mixer Control Name

► Default Startup Volume
(10~100)

► Max Volume Level
(10~100)

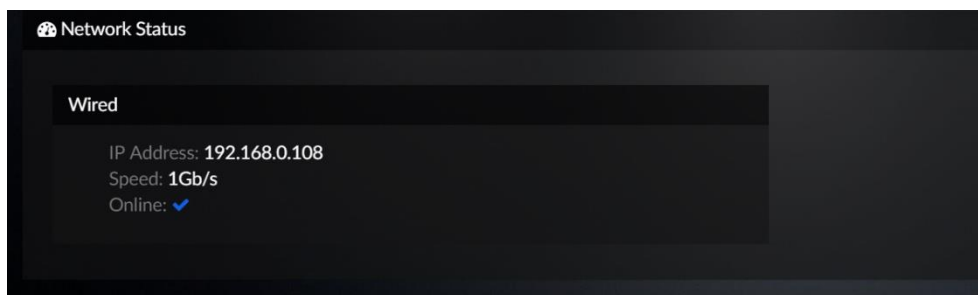


4.2.4. PLAYBACK OPTIONS ▶ Audio Resampling

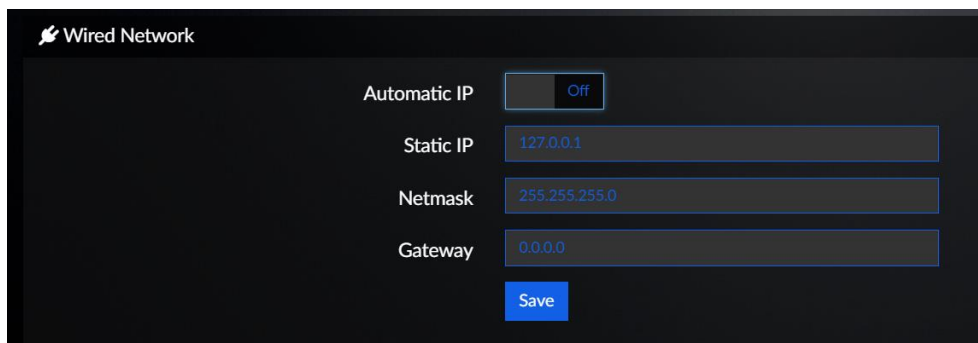


4.3 NETWORK

4.3.1. NETWORK / Network Status



4.3.2. NETWORK / Wired Network





4.3.3. NETWORK / Wireless Network

Wireless Network

Wireless Networking ☒ On

Automatic IP ☐ Off

Static IP

Netmask

Gateway

4.3.4. NETWORK / Hotspot Settings

Hotspot Settings

Enable Hotspot ☒ On

Hotspot Name

Password Protected Hotspot ☒ On

Hotspot Password

Hotspot Channel

4.3.5. NETWORK / DNS Settings

DNS Settings

Enable Custom DNS Server ☒ On

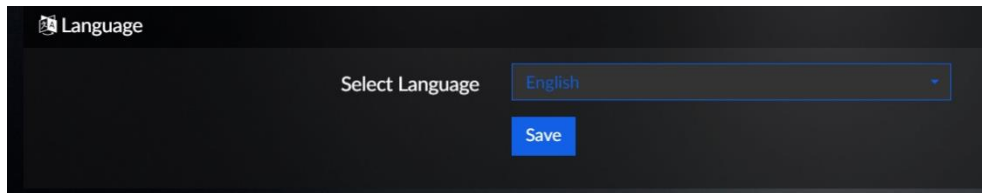
Primary DNS

Secondary DNS

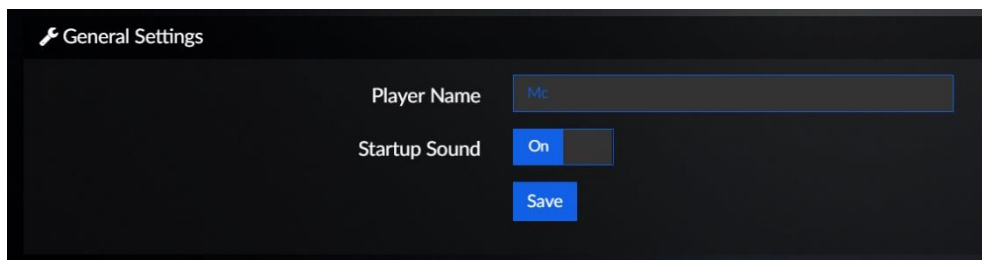


4.4. SYSTEM

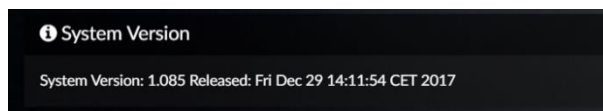
4.4.1. SYSTEM / Language



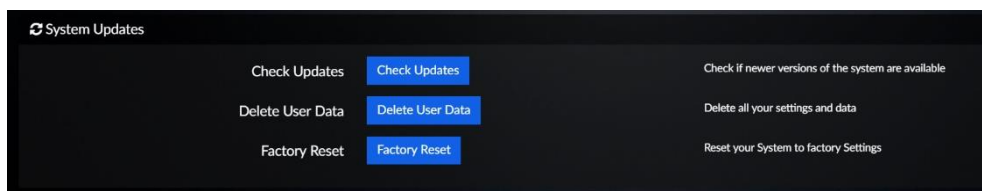
4.4.2. SYSTEM / General Settings



4.4.3. SYSTEM / System Version

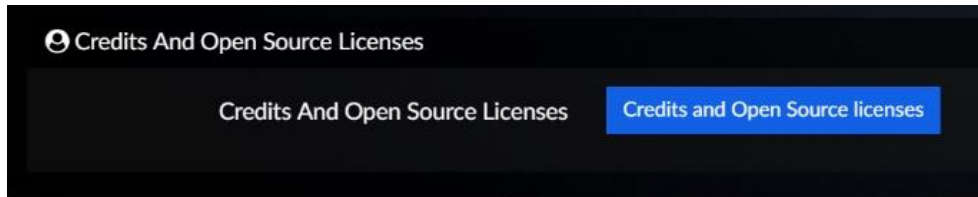


4.4.4. SYSTEM / System Updates

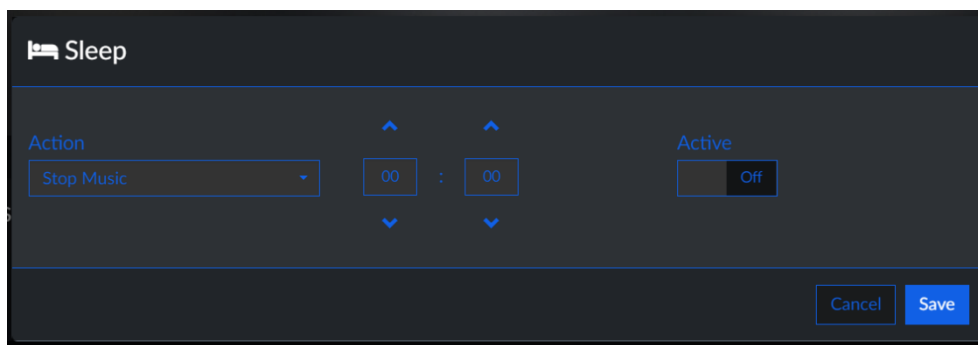




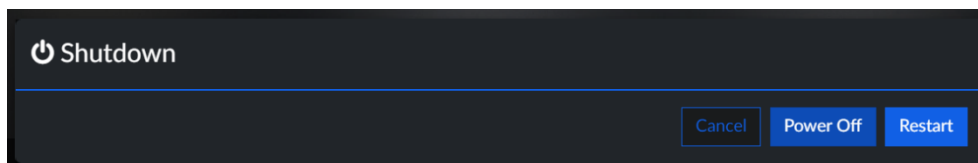
4.4.5. SYSTEM / Credits and Open Source Licenses



4.5 SLEEP



4.6 SYSTEM





Specifications:

(Mc1010cd/500p/5000P)

		
mc1010cd	mc500p / mc500sp	mc5000p
Streamer / Server / Player	Streamer / Player	Stream / D/A / Player
Audio Input: Only internal	Audio input: Internal, Digital Optical and digital coaxial	Audio input: Internal, Line in, Digital Optical and digital coaxial
Audio Output: Balance (RCA), Unbalance (XLR),	Audio Output: Balance (RCA), Unbalance (XLR), Digital Out: Optical and Coaxial	Audio Output: Balance (RCA), Unbalance (XLR), Digital Output: Optical and Coaxial
Playing format: PCM up to 192kHz	Playing format: PCM / DSD up to sampling rate 384kHz; DSD native up to DSD256 (11.3MHz) and over DSD256 bypass.	Playing format: PCM / DSD up to sampling rate 384kHz; DSD native up to DSD256 (11.3MHz) and over DSD256 bypass.
Software: MC Apps 2018	Software: MC Apps 2018	Software: MC Apps 2018
Size: 450*142*410mm	Size: 450*142*410mm	Size: 450*142*410mm
Weight: Approximately 26lbs / 12Kg	Weight: Approximately 26lbs / 12Kg	Weight: Approximately 26lbs / 12Kg
	(*)	

*mc500sp Server / Player: Based on mc500p features and functions with custom internal storage 1TB or 2TB for server ability.

Product and Mechanical Specification are subject to change without notice.

MC's Music Server and Player products are supported by Volumino Italy.



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