



Party Genie User manual

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Legal and contact information of the R&D company:

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1. Product introduction

1.1 Introduction to “Party Genie”

Party Genie is a sound, light, and video fusion meta-control center specially designed and developed for party events in places such as party KTV private rooms, home party clubs, private high-end gala entertainment rooms, and small specialty themed bars.

Real-time music analysis, deep fusion of sound, light and shadow

Using cool and original “IMFA” and “RTMC” technology, Party Genie intelligently senses music metadata, uses music as a link and metadata to generate control meta instructions, coordinate the scheduling of dance lights and special effects images to coordinate and link with live music, realizes all-round organic integration of sound, light, and painting from content to form, and creates an unprecedented deep immersive space, bringing a unique, ultra-sensory audiovisual experience to the commercial entertainment field.

Easy to adapt to multiple versions

For party scenes with different needs and configurations, Party Genie is available in ST and PRO versions. ST version, suitable for scenarios using a stereo system. The PRO version supports up to 16 channel speaker output, which can achieve 3D panoramic sound field effects, bringing a more immersive music and sound experience.

1.2 Product illustration



1.3 Precautions for use

- PartyGenie has been installed and debugged and can be used normally.
- PartyGenie must be connected to the Internet and be able to connect to the Internet.
- Before use, you should be familiar with the content of the manual and operate strictly according to the requirements in the manual.

2. Startup login and account management

2.1 Account and password

Once Party Genie is installed, the installer will activate the device and open an account. Before using, please ask the installer for the activated account and password of the machine.

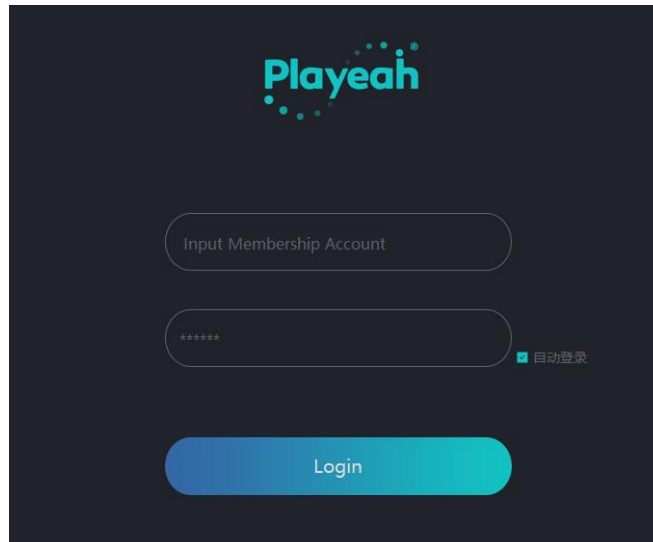
This account will link all the functional permissions that are enabled on the device, as well as the functional permissions of Yeetone Music Cloud. It is also a key credential for upgrades and services in the next period. It is the core value of Party Genie. Users are requested to save and manage it properly. It is recommended that you change your password as soon as you log in for the first time.

Party Genie will perform network verification every time you log in, so please ensure that your device is online on the internet during work. If you do not log in online, the system displays a message indicating that the working state is offline. If the offline working state exceeds the limit time, the system will restrict the use.

2.2 Startup login

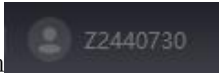
Party Genie needs to be installed and debugged by authorized dealers before use, and it will be delivered to users after confirming that all function settings are completed. Therefore, users only need to turn on the power to begin using it.

Press the power switch on the front panel of the Party Genie and start the device. After about 15-30 seconds, the monitor connected to the device will display the login interface. As shown below:

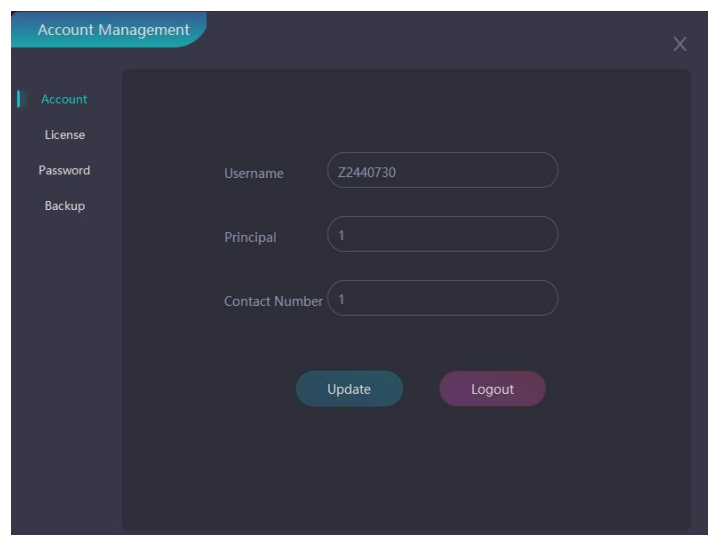


The user enters the account number and password to enter the system and start using it. If the "Automatic Login" option is checked, the system will save the account number and password entered last time, and log in automatically after booting.

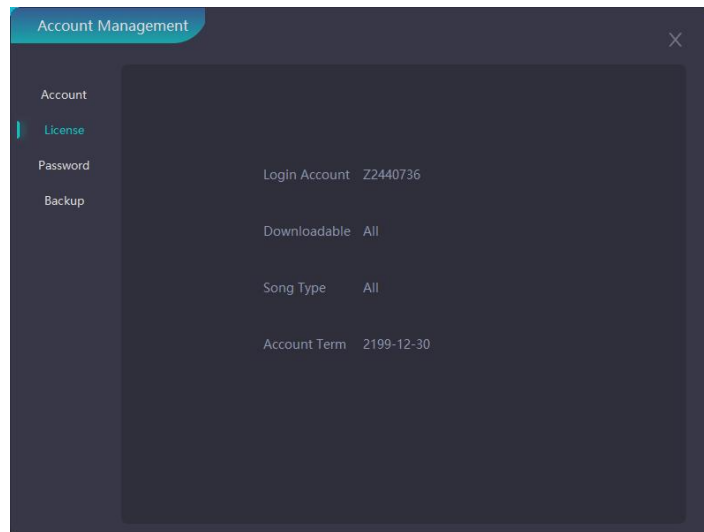
2.3 Account Management

After entering the work page, click on the portrait tab at the bottom left of the screen . You can manage this account.

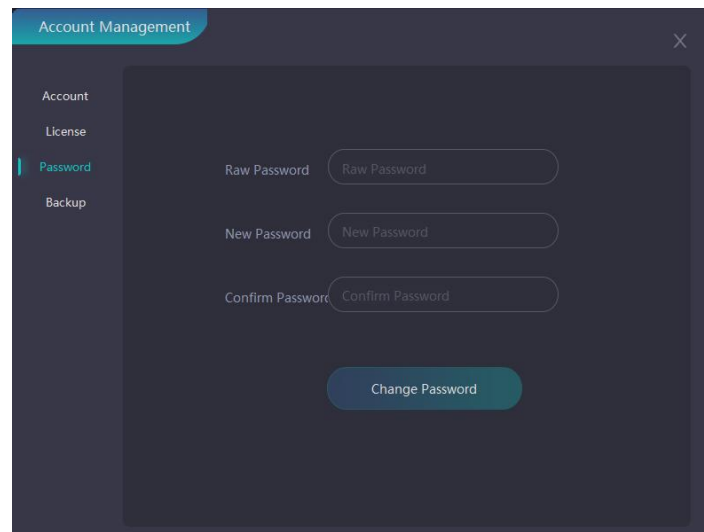
The content of account management includes: member information, account information, password modification, backup recovery and other functions. Account management page, (pictured below).



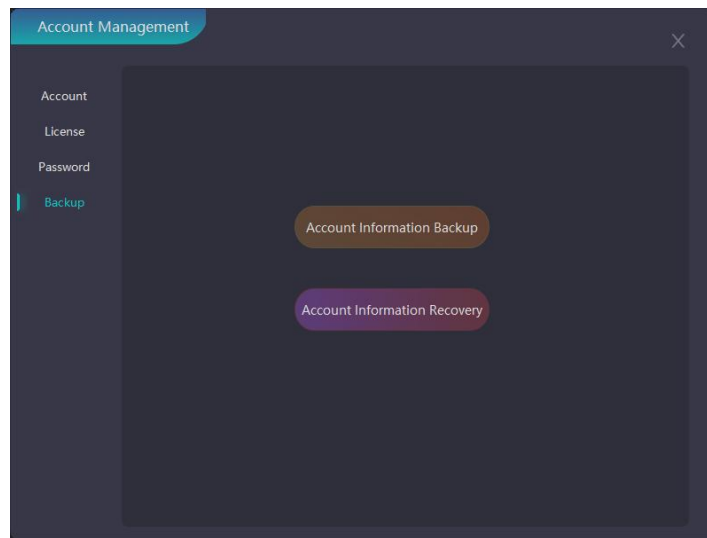
This page is the member information, in this page can modify and update the user name, contact name and contact telephone number.



This page is account information. You can view the permission information of this account, including the number of downloadable music, the music categories you can select, and view and update the account period, account balance, and account level.

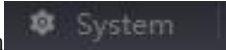


This page is for password modification. Change the password for this account. It is recommended that new users change their passwords after starting the computer for the first time.



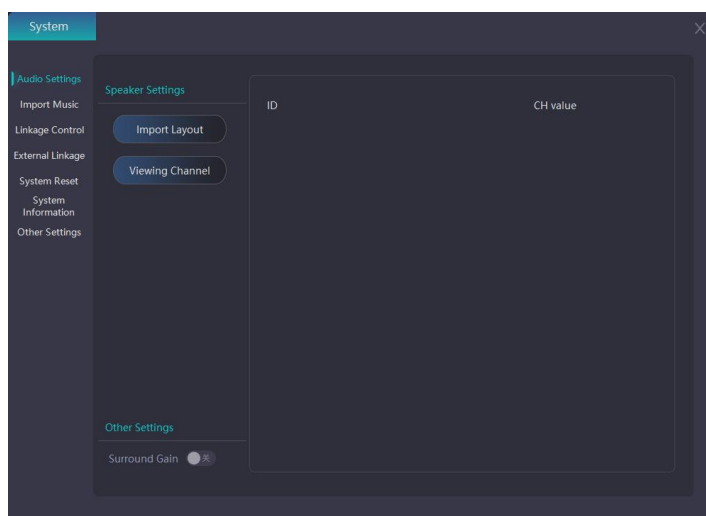
This page is for backup and recovery. The playlist and downloaded music materials for this account are uploaded to the server for backup. Backup data from the server can also be restored to the machine.

3. System settings

After entering the work page, click on the "System Settings" tab in the upper right corner of the screen . You can make system settings for this machine.

System settings include: audio settings, music import, linkage control, mode settings, system reset, system information and other information and other functions.

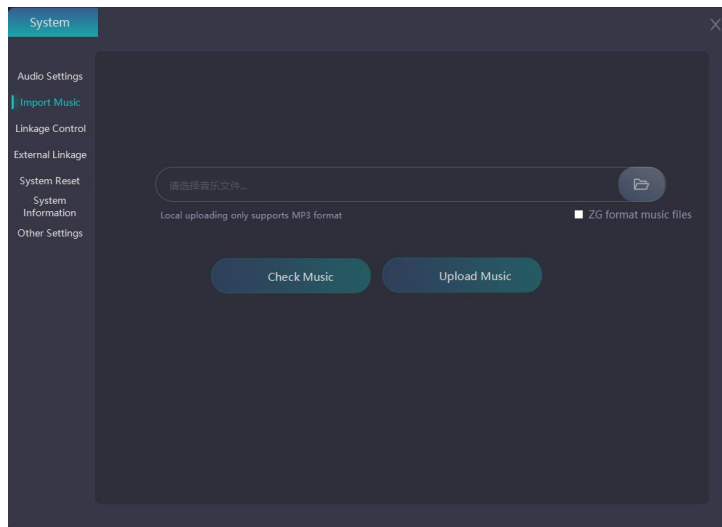
3.1 Sound settings



This page is about sound settings, including two sections on speaker settings and mode settings.

- 1) In the speaker settings section, click "Import layout parameters" to import the speaker's layout parameter table, so that the Party Genie can automatically adapt the internal parameters according to the speaker layout to achieve the best use effect. This step is performed during system installation and commissioning. Under normal circumstances, users do not need to operate. Users can click the "View Channel Number" button, and the window will display the channel numbers of all speakers. It is convenient for the user to check the line later.
- 2) In the External Input Compensation section, change the direction of the sound field. When external input compensation is turned off, the main sound field of the input signal is positioned as front, right, and rear filled sound diffraction and spatial reverberation. When the external input compensation is "on", the sound field of the input signal is non-directional, and the loudness in all directions is consistent, and the sound sense of the whole field is uniform.

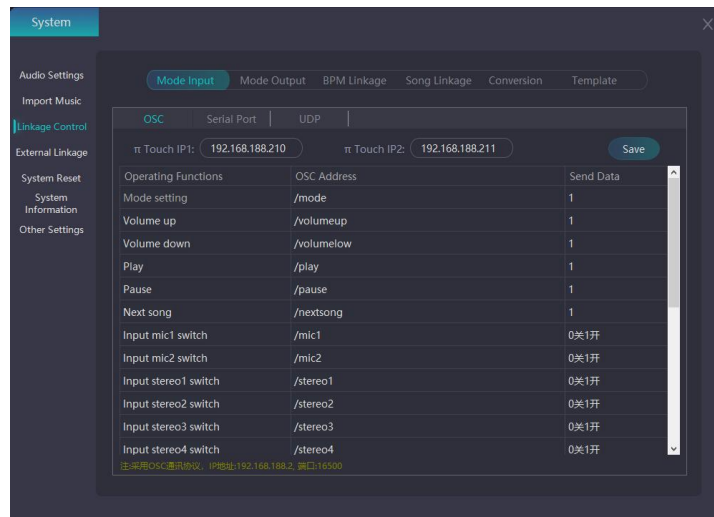
3.2 Music import



This page is for music import, importing local files to the Party Genie system (only MP3 format is supported),

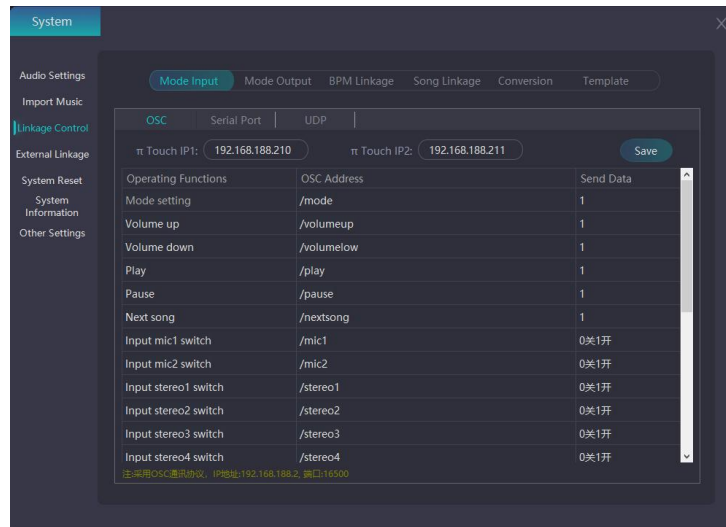
Music files need to be uploaded via an external memory such as a USB flash drive. Plug into the USB port of the Party Genie, then click “Browse Files” to select the music file you want to upload, then click “Upload Song” to show that the upload is complete.

3.3 linkage control



This page is linked to control. Lighting Magic uses an OSC control protocol, which can communicate and control with external devices such as video and lighting, so that the video playback or lighting effects change as the music changes.

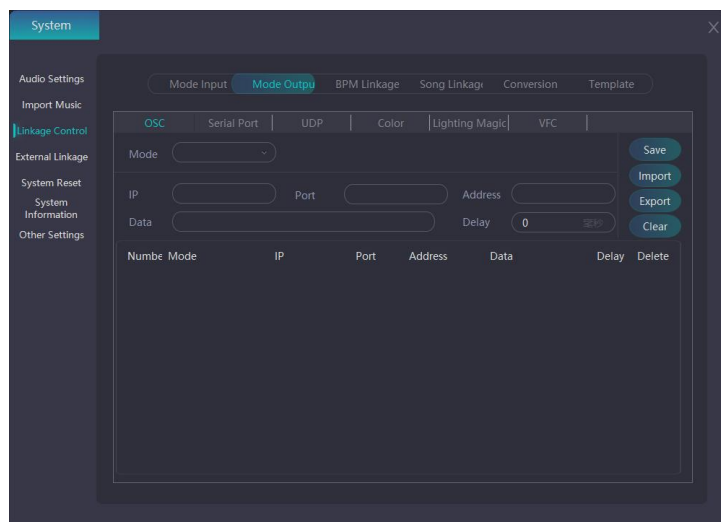
3.3.1 Input linkage



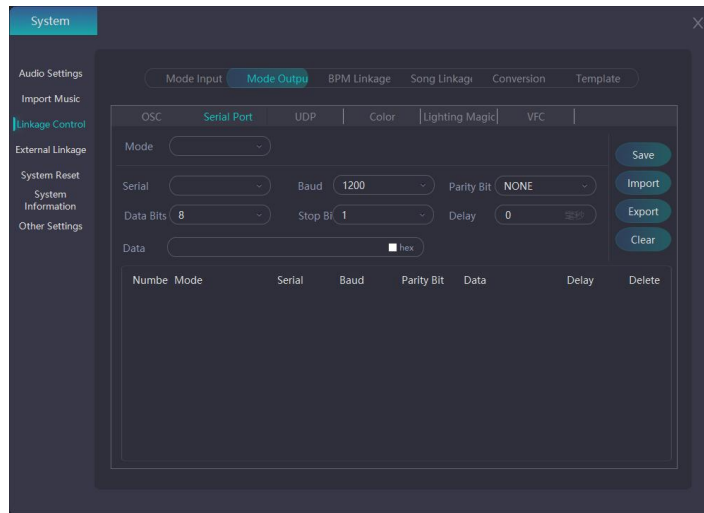
This page is the input linkage in the linkage control, which contains the OSC address of multiple operating functions, which is the input address of the OSC protocol; the sending data is the linkage data of the OSC protocol. It needs to be linked with the input data when the output is linked.

3.3.2 Output linkage

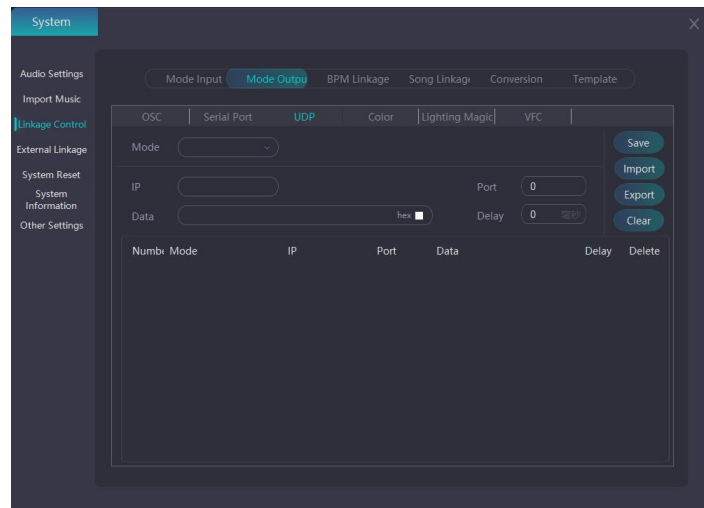
There are three category frames for output linkage: OSC protocol, 485/232 protocol/BPM output.



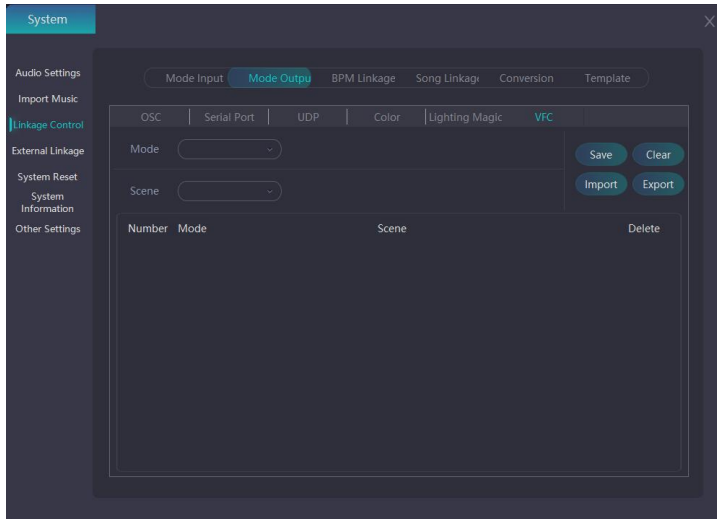
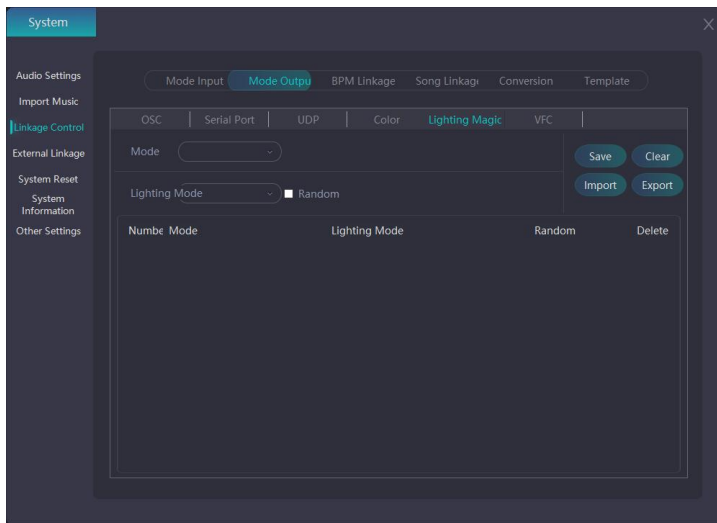
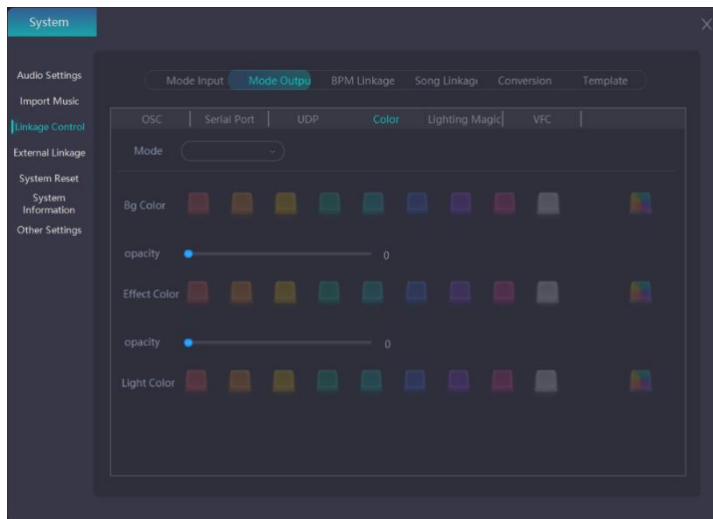
This page is OSC agreement. Set the specified song to send OSC commands to other devices.

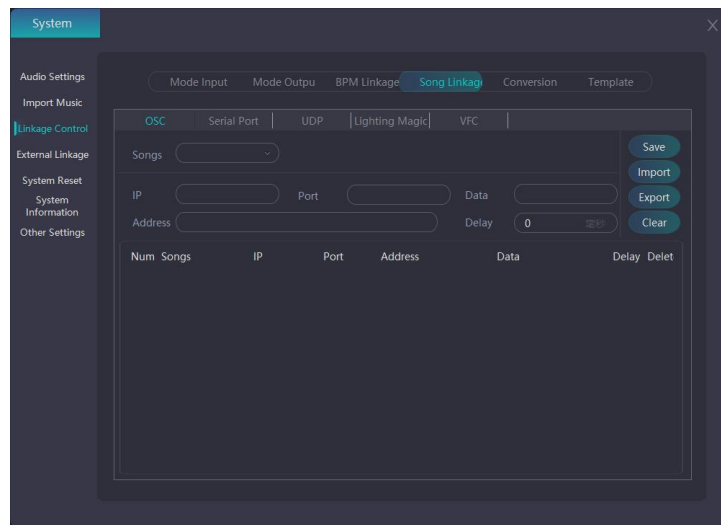
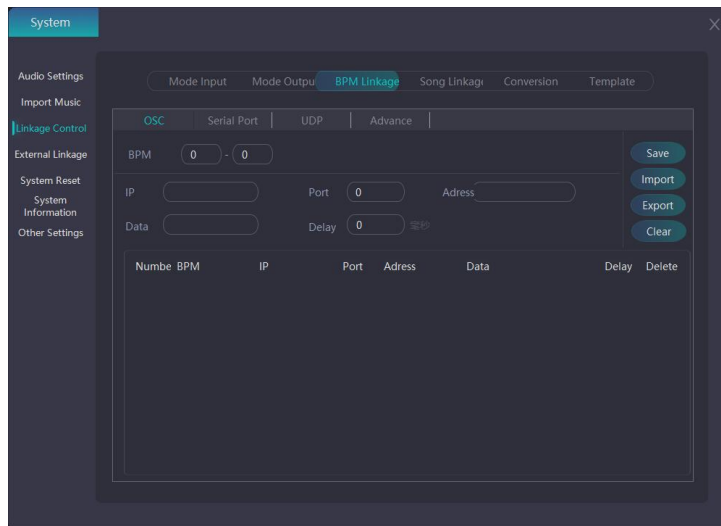


This page is for 485/232 protocol. Set the specified song to send 485/232 commands to other devices.

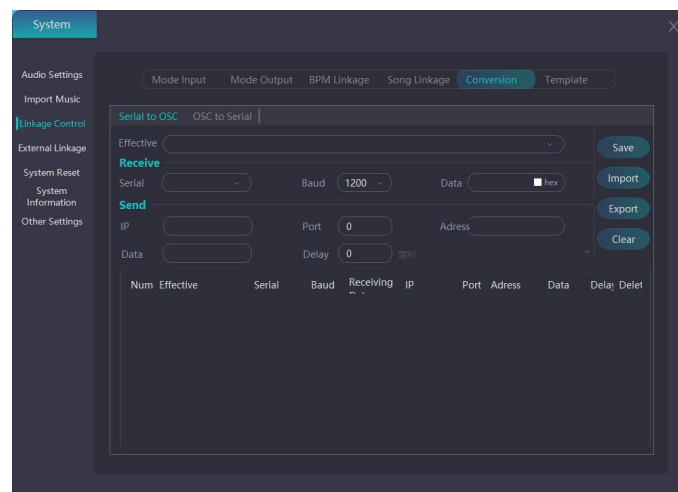


This page is BPM output. The BPM value of the song is linked to the light and video, so that the light, video, and the rhythm of the song are triggered synchronously. The OSC protocol and the 485/232 serial port protocol are supported. When connecting to BPM, click the upper right corner of the page to link with the external device, the value is synchronized with the external device, the label **0.00** **BPM**



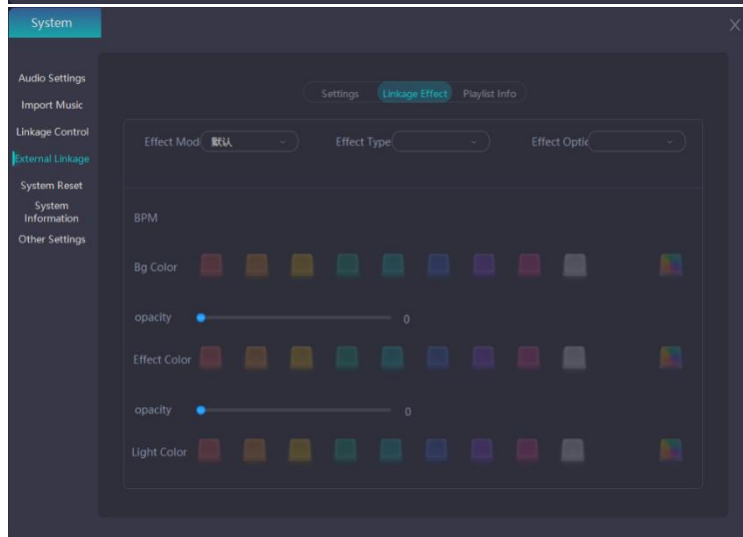
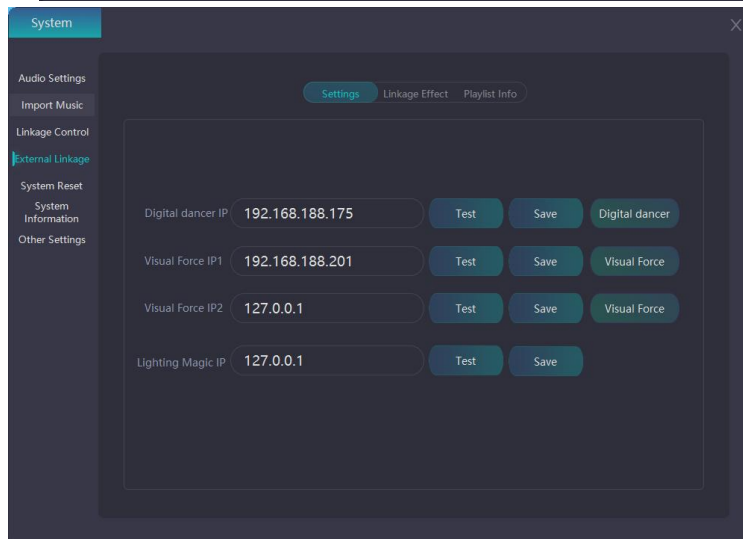
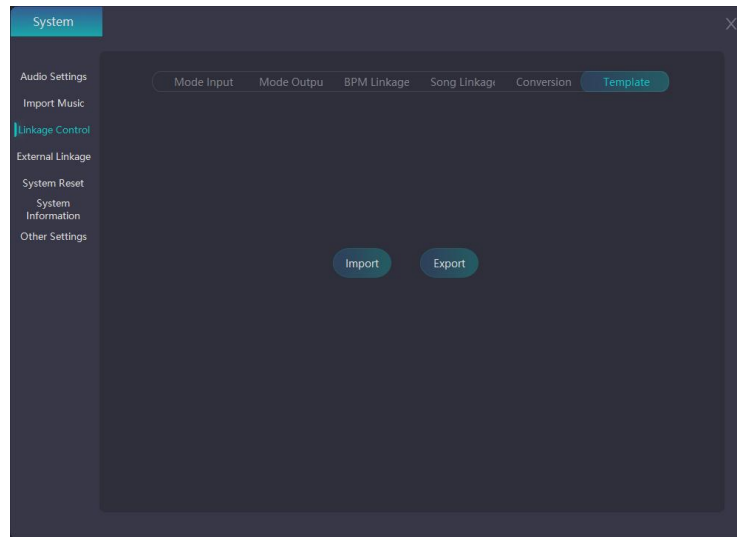


3.3.3 Conversion settings

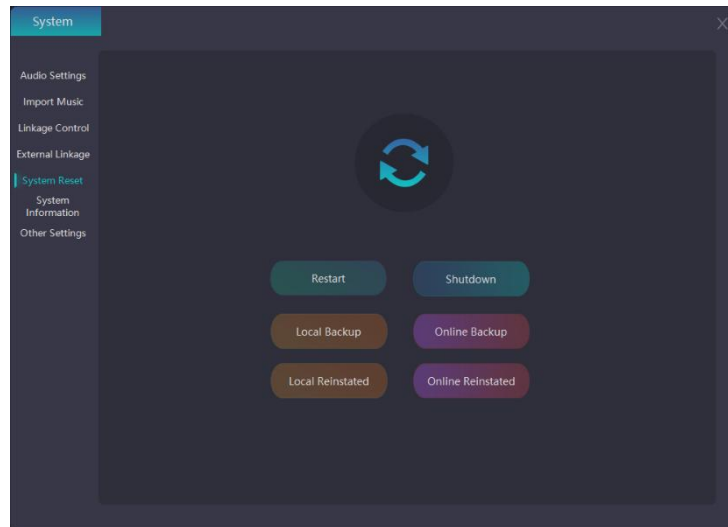


This page is set up for conversion. **Serial to OSC** OSC to Serial In the system, the system is connected to a serial port (this serial port is a serial port connected to an external

input device). After connection, this serial port is converted to an OSC protocol or 485/232 protocol serial port.



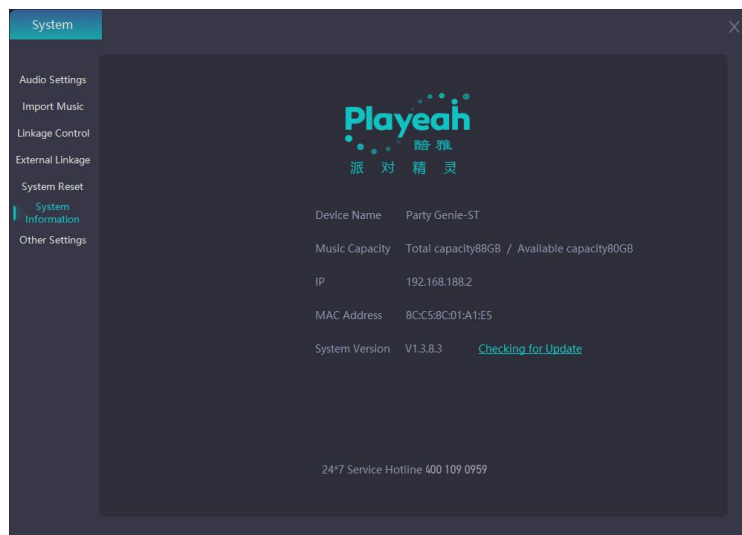
3.4 System reset



This page is for system reset, where you can restart the system and shut down the system. If there is an exception to the Party Genie, you can restore the system on this page, which includes:

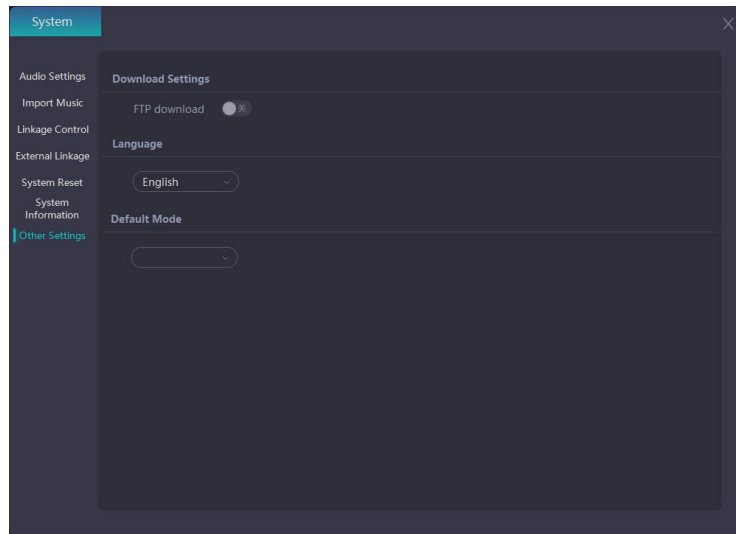
- 1) Local Restore—Restores the system to the state it was in when it was last working properly.
- 2) Online recovery – This is a recovery performed after the device has had a hardware failure and the device has been updated.

3.5 System Information



This page is system information, where you can view the basic information and parameters of the device. Among them, "Check for Update" can update the version of the system online.

3.6 Other Settings

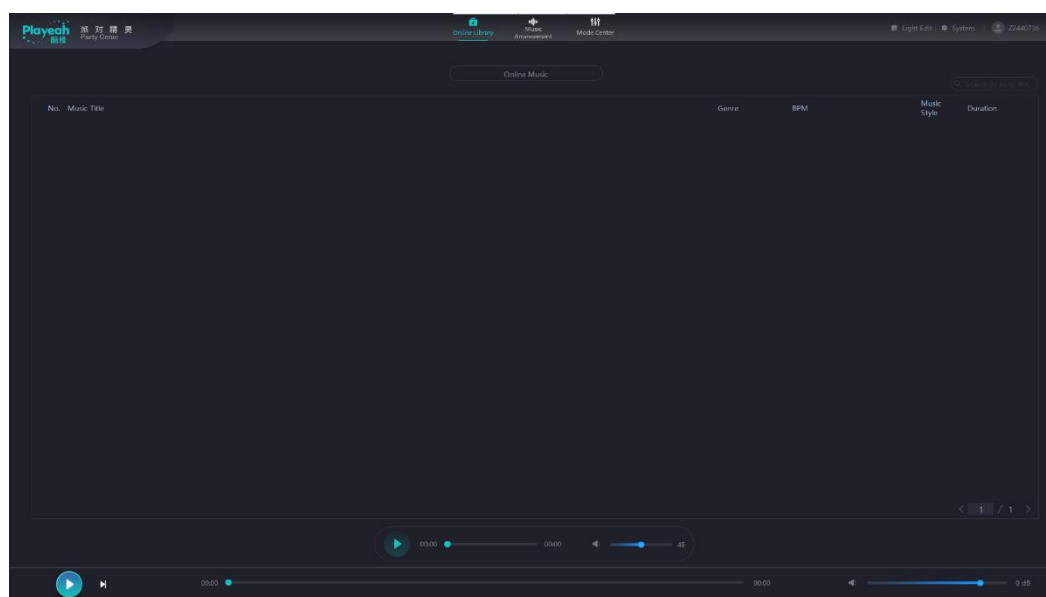



This page is for additional settings. FTP is a standard set of protocols for file transfers over a network. When downloading songs, if the download fails, the FTP protocol can also be used to download the songs.



4. Online Music Library

In order to solve the problem of users not playing programs that match after being equipped with a spatial sound system, the party genie collaborated with Yeetone Music Cloud to embed the Yeetone Music Cloud's spatial sound music library and integrate it into the Party Genie. As long as users log in with a valid account and password and open the party genie, they can instantly browse the Yeetone Music Cloud library online, select their favorite music to download to this device, and use it for daily playback.

The picture below shows the interface of the "Online Music Library" in Party Genie.



This page is online music, you need to successfully connect to the Internet to run normally, users can according to their favorite track style type in the search box on the top right of the page, query the song style type.  根据歌曲风格查询 label.

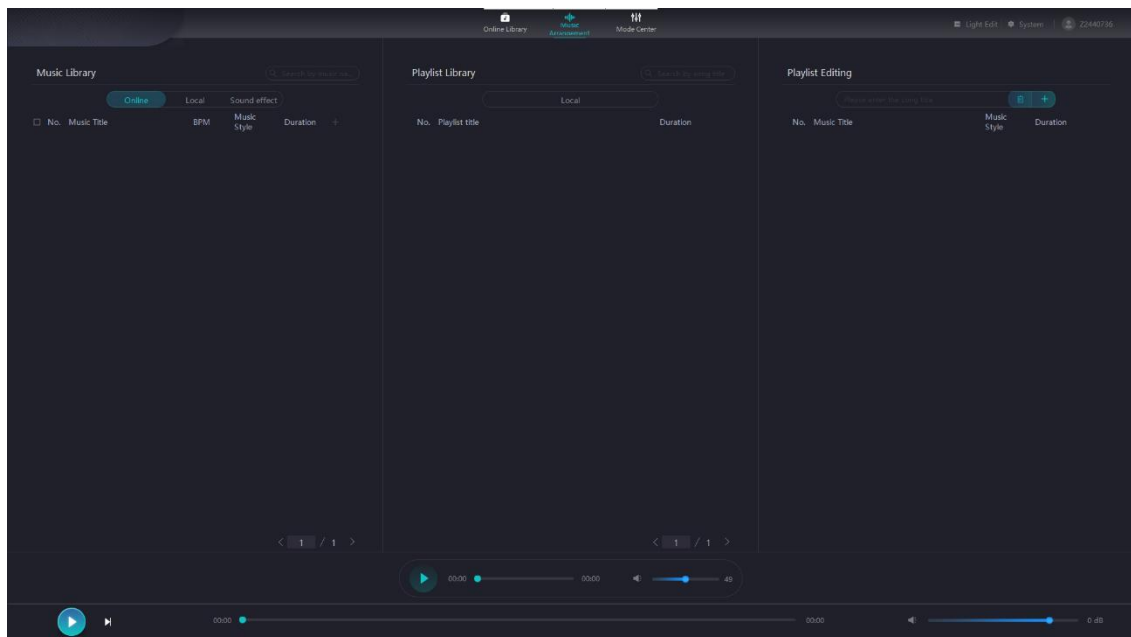
- 1) The tab is  audition mode, which opens the audition function for all tracks (headphone listening only), so you can enjoy immersive music even when wearing headphones. It is also used for downloading after trial listening during the song selection process.
- 2) The tag  is a song download, and the downloaded song is automatically sent to the music arrangement's online playlist.

5. Music arrangement

The music arrangement is the main track library of downloaded and imported tracks, and the tracks in the shared music library are strictly stylistically classified, and each song has a number of beats, making it easy to link BPM settings.




The music arrangement allows you to play music and edit playlists normally while offline.

The music choreography interface opens the audition function for all tracks (headphone listening only). In the process of editing the playlist and sorting tracks, you can use the audition and sort the tracks according to your own requirements.



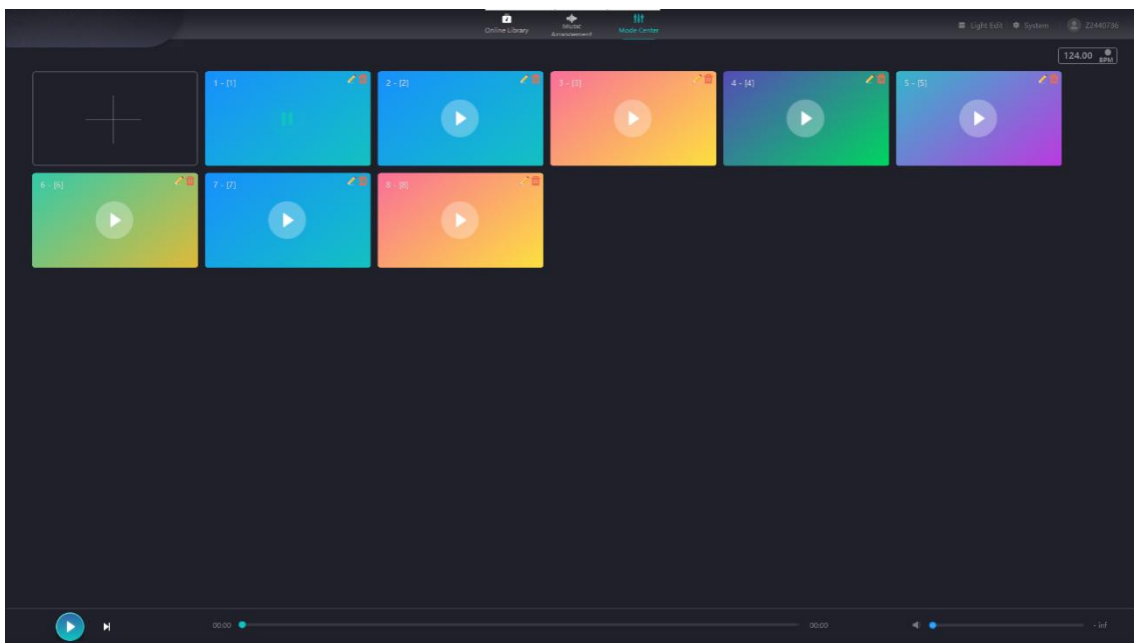
This page is organized for the music, in the **music library** section:

- 1) Sharing: Click **Online** the tab to switch. The music in the library is the track displayed after downloading the online music from the online music library.
 - 2) Local: Click **Local** the label to switch, and the local music will be displayed after uploading from the local.
 - 3) Sound Effects: Click on **Sound effect** the tab to switch the track displayed after downloading from the online sound effects library.
- i. **Create a playlist:** The first step is to add and sort the tracks you need to **+** add in the music table (just drag and drop the tracks with the mouse). Step 2, enter the playlist name in the edit box. Step 3. Click the **Save Playlist** to finish editing. (Note: the number of tracks for a new playlist is limited to 15 tracks).

- ii. **Modify the playlist:** Select the playlist to be modified in the playlist table, and then modify it. (The modified playlist needs to be re-selected in mode customization, otherwise it won't work).
- iii. **Delete a playlist:** Click the  delete button in the playlist to complete
- iv. **Clear the playlist edit list:** Click  the tab to clear the edit table to complete. If you don't click the  tab to save, emptying the playlist won't make any changes to the playlist.

6. Model Center

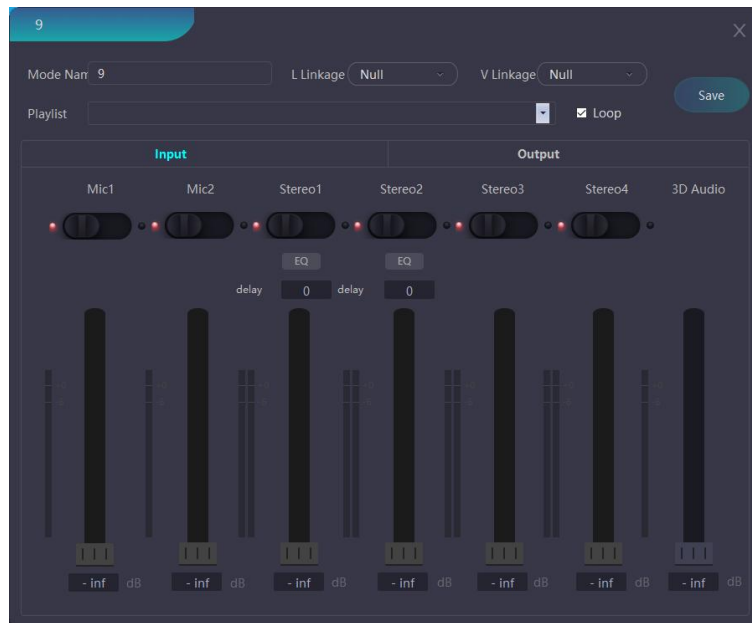
Party Genie in order to make the scene atmosphere of the party room richer and more diverse, this system has a custom playback mode, which can customize the sound effects of lighting, video, and music according to customer demand patterns.



This page is the mode center, and the mode boxes on this page are all set to custom mode, which can be customized by the user according to the scene requirements.

Its main functions include: enter the music arrangement and set the 3D music playlist, you can choose to add in the custom mode (multiple choices); support external device connection: such as DJ player, karaoke machine, etc. ; use OSC protocol, 482/232 serial port linkage video and lighting; after the DJ player is connected to the system, the synchronization of video, lighting and music is triggered through BPM.


6.1 Mode – Input

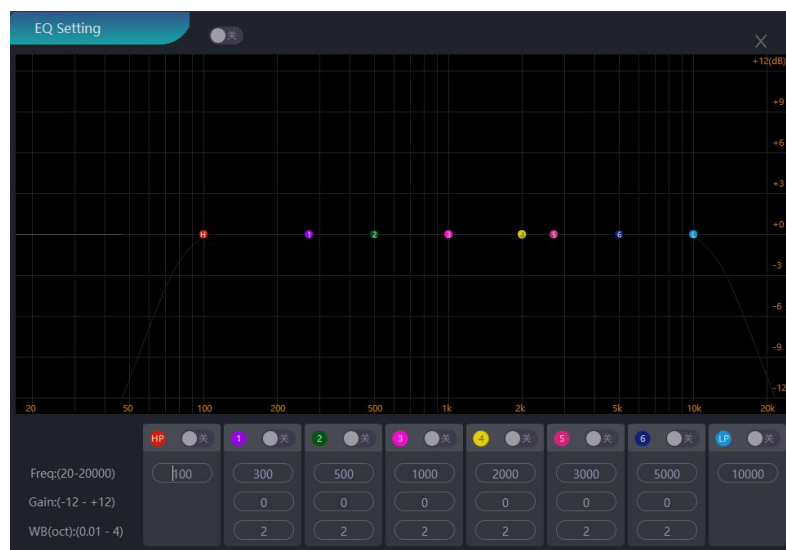


This page is the input mode, and each mode of this interface has an independent input mode window, which can customize the input volume, song list selection, etc. of each mode.

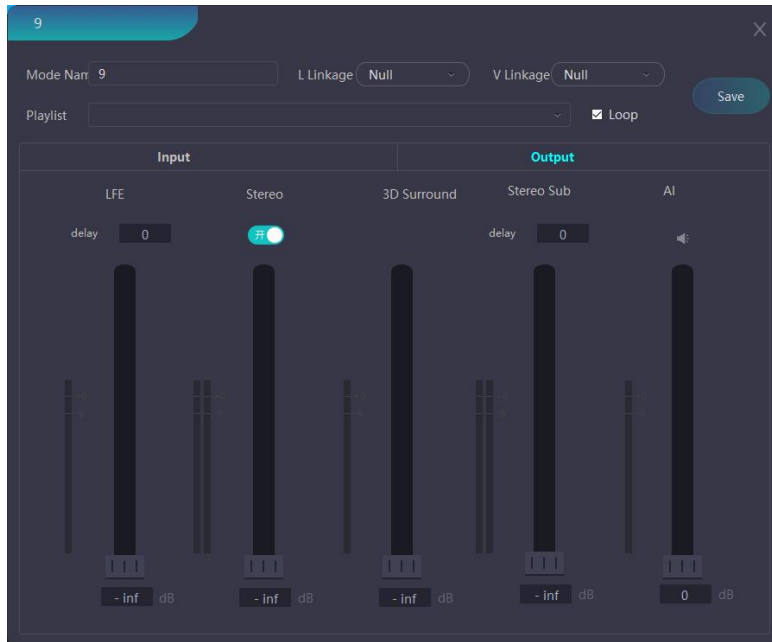
The stereo in this interface is set to control the input volume level of the connected external device. There are a total of four stereo channels; two microphone channels (mono); and a 3D sound effect channel, which is the input volume for 3D music within the system.

This  label is the BPM output linkage switch.


This  label is an 8-band equalization adjustment switch. After clicking, the adjustment interface will pop up.



6.2 Mode – Output



This page is the output interface of the mode center

- 1) Super bass: Control the low frequency volume independently, and adjust the low frequency volume according to different places or styles of songs.
- 2) Stereo: Controls the volume level of the main stereo. This  tab is “Delay Compensation.” On: The surround effect is better, but the delay is slightly increased. It is recommended to turn off “Delay Compensation” when singing and turn it on when playing immersive music.
- 3) 3D Surround: Control the volume level of the surround speaker.
- 4) Stereo sub-channel: In addition to the stereo channel, a volume controller sent to other stereo channels (for example, the indoor space is the main stereo channel, another channel is divided into an outdoor location, controlled separately from the indoor space)

Level meter in input and output: The level unit is decibels (dB),



This label is a stereo level meter.



This label is a mono or multi-channel

level meter.

7. Specifications and parameters

Processing core:	Intel 64bit 4core CPU	Storage:	8GB RAM, 128GB SSD
Control protocol:	OSC, RS485, RS232, UDP	Number of control channels:	1 X RS485, 1 x RS232
Disc drive linkage:	DJoint	Frequency response:	20Hz-20kHz
Harmonic distortion:	0.003% @ 1kHz	Clock accuracy:	± 0.1 ppm
Signal-to-noise ratio:	102 dB	Sampling frequency:	48kHz
Processing accuracy:	floating point 64bit	Dynamic Range:	96dB
Quantization accuracy:	24bit	Music format:	WAV、MP3
Audio control output:	1* XLR-M, 4* RCA	Analog line input:	4xXLR-F
Network audio input:	PRO: 10ch@Dante ST: 0ch	Network audio output:	PRO: 16ch@Dante ST: 0ch
Network Interfaces:	1 x WAN, 6 x LAN	USB interface:	2 x USB 2.0
Video interface:	1X HDMI	POWER SUPPLY:	DC12V-8A
Dimensions:	482mm x 325mm x 45mm	Weight:	4kg
Support for SMPTE time code (LTC, MTC): PRO			