



Venue Commander

User manual

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Legal and contact information of the R&D company:

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Official website: playeah.cn

1. Product introduction

1.1 Introduction to “Venue Commander”

Venue Commander is a stage sound and optoelectronic integrated meta control center specially designed and developed for banquet halls, celebration halls, school activity centers, and multi-purpose halls equipped with small performance stages.

The performance commander uses originally “IMFA” and “RTMC” technology to intelligently sense music metadata, generate control meta-instructions based on music as a link and metadata, automatically schedule lighting, video, machinery, and special effects equipment to coordinate and link with live music, so that all the facilities of the venue performance can be organically integrated with the music in all aspects, fully showing the excitement and enthusiasm of the program, bringing a unique ultra-audiovisual experience to the audience at the banquet and festival venue.

For party scenes with different needs and configurations, there are two types of Venue Commander: ST version and PRO version. 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.

The Venue Commander, in cooperation with Playeah’s visual force video server and iridescent light controller, will set a new benchmark for “**Playeah Venue**” with a unique sound, light, and electronic fusion charm!

1.2 Product illustration



1.3 Precautions for use

- The Venue Commander has been installed and debugged and can be used normally
- The Venue Commander must be connected to the network 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

After the installation of the Venue Commander is completed, 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. This is where the core value of the performance commander “Venue Commander” lies. 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.

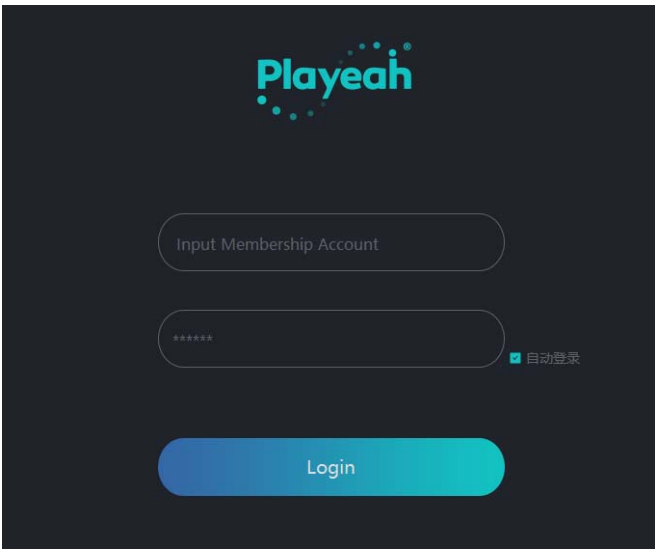
Venue Commander will perform network verification every time you log in. Please ensure that the device is online on the Internet during work. If you do not log in online, the system displays a message indicating that the working state is offline. If the offline working state exceeds the limit time, the system will restrict the use.

2.2 Startup login

The Venue Commander needs to be installed and debugged by an authorized dealer before it is used, and it will be delivered to the user after confirming that all function settings are completed. Therefore, users only need to turn on the power to begin using it.

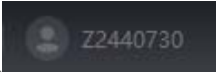
Press the power switch on the front panel of the Venue Commander. After

starting the device, the login interface will appear on the monitor connected to the device for about 15-30 seconds. As shown below:

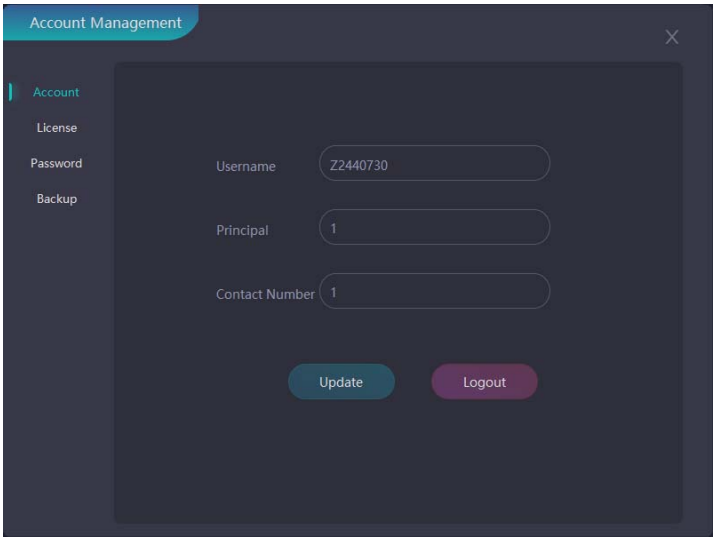


The user enters the account number and password to enter the system and start using it. If the "Automatic Login" option is checked, the system will save the account number and password entered last time, and log in automatically after booting.

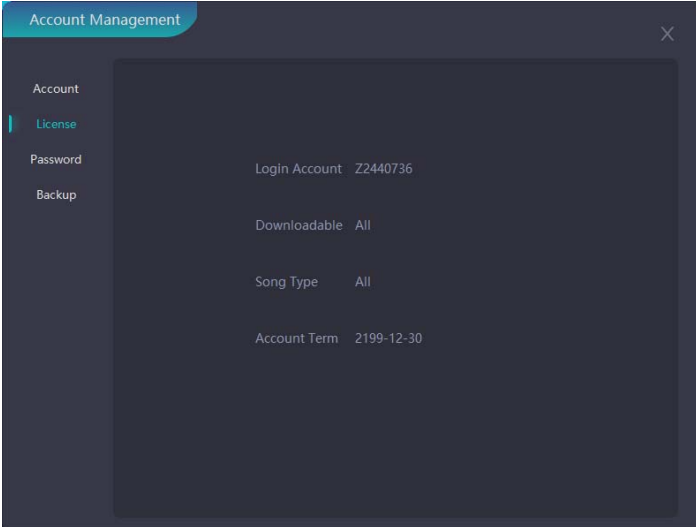
2.3 Account Management

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).



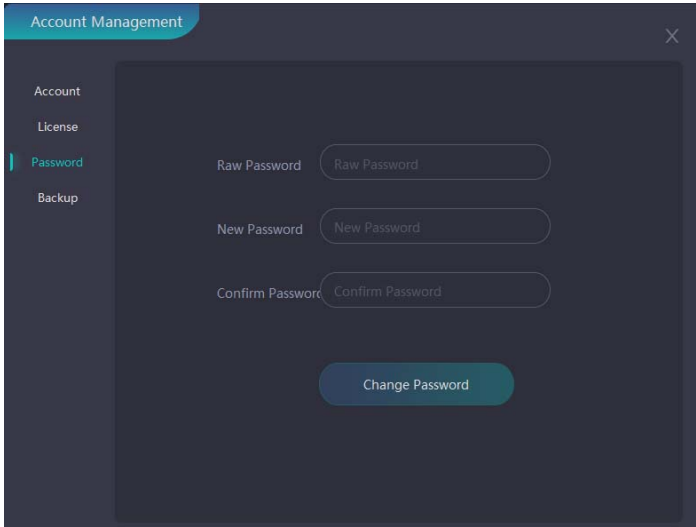
This page is the member information, in this page can modify and update the user name, contact name and contact telephone number.



The screenshot shows a window titled "Account Management" with a sidebar containing "Account", "License", "Password", and "Backup". The "License" tab is selected. The main area displays account details: "Login Account" with value "Z2440736", "Downloadable" with value "All", "Song Type" with value "All", and "Account Term" with value "2199-12-30".

| Field | Value |
|---------------|------------|
| Login Account | Z2440736 |
| Downloadable | All |
| Song Type | All |
| Account Term | 2199-12-30 |

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.

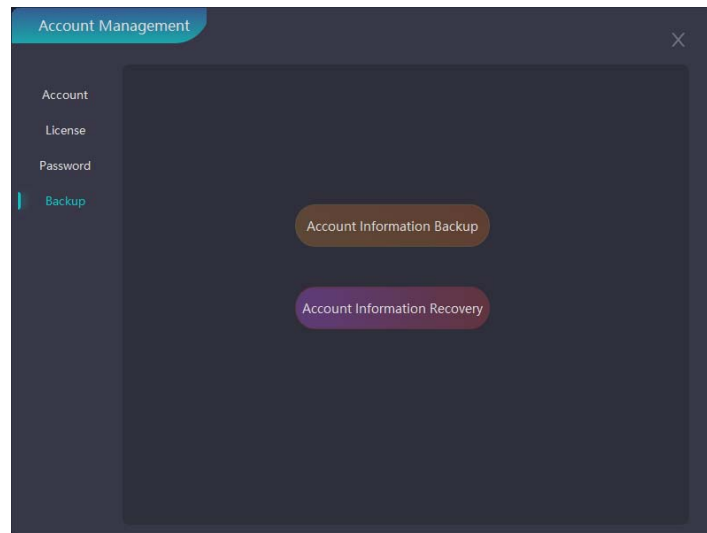


The screenshot shows the same "Account Management" window, but with the "Password" tab selected in the sidebar. The main area contains three input fields: "Raw Password", "New Password", and "Confirm Password", each with a placeholder text of the same name. Below these fields is a teal "Change Password" button.

| Field | Value |
|------------------|------------------|
| Raw Password | Raw Password |
| New Password | New Password |
| Confirm Password | Confirm Password |

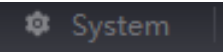
Change Password

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.



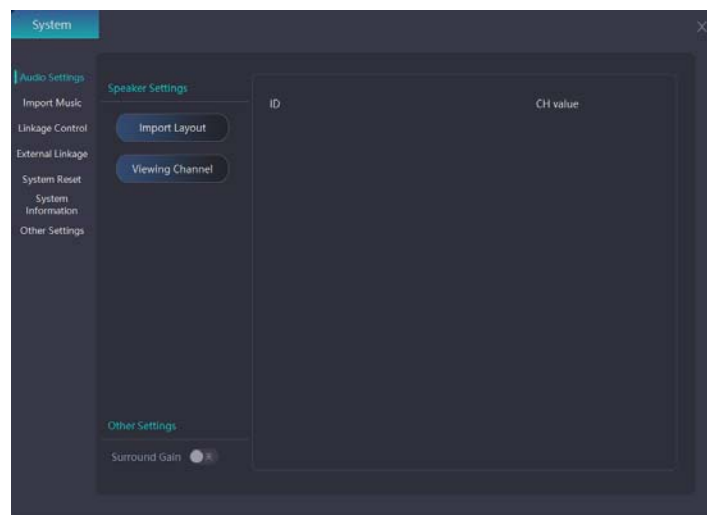
This page is for backup and recovery. The playlist and downloaded music materials for this account are uploaded to the server for backup. Backup data from the server can also be restored to the machine.

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

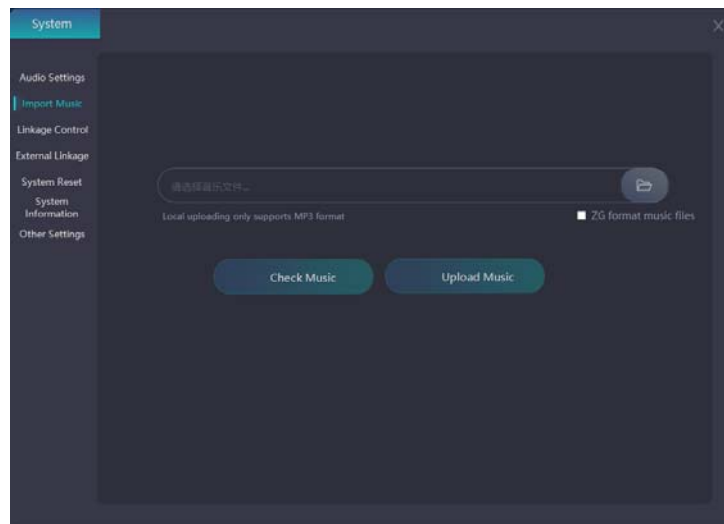


This page is about sound settings, including two sections on speaker settings and mode settings.

- 1) In the speaker setting section, click "Import Layout Parameters" to import the speaker layout parameter table, so that the venue commander 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.

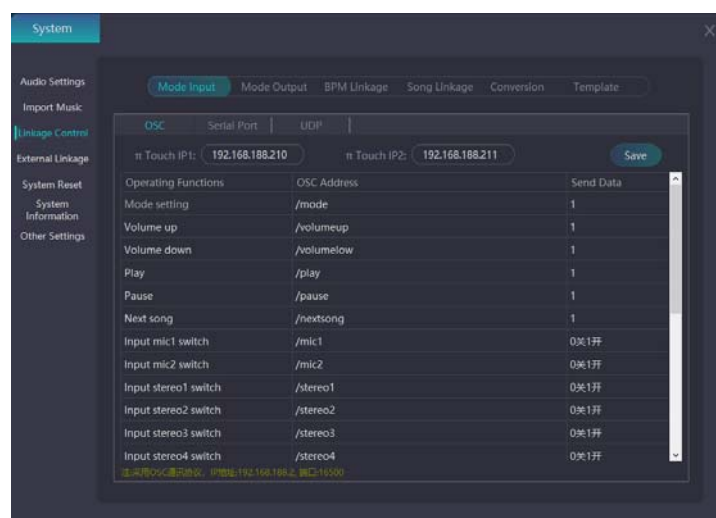
3.2 Music import



This page is for music import, importing local files into Venue Commander system (only MP3 format is supported),

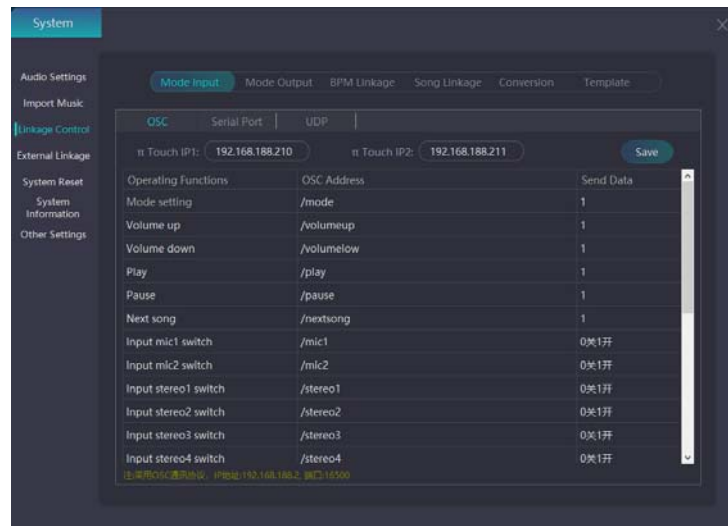
Music files need to be uploaded via an external memory such as a USB flash drive. Plug into the USB port of the performance commander “Venue Commander”, then click “Browse Files” to select the music file you want to upload, and click “Upload Song” to show that the upload is complete.

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.

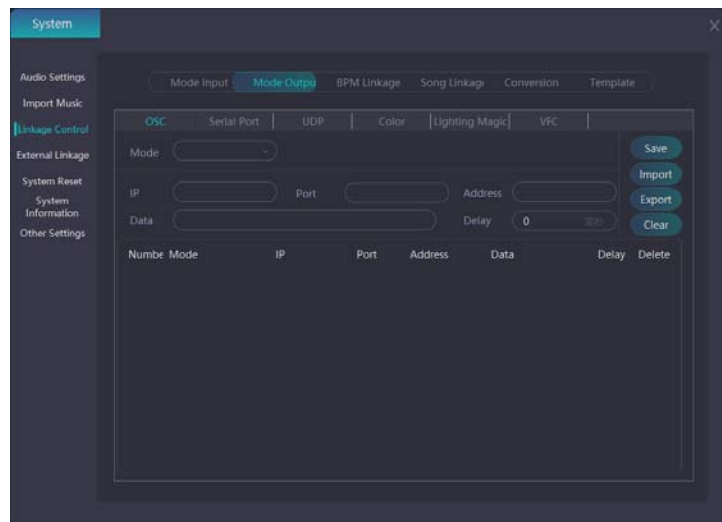
3.3.1 Input linkage



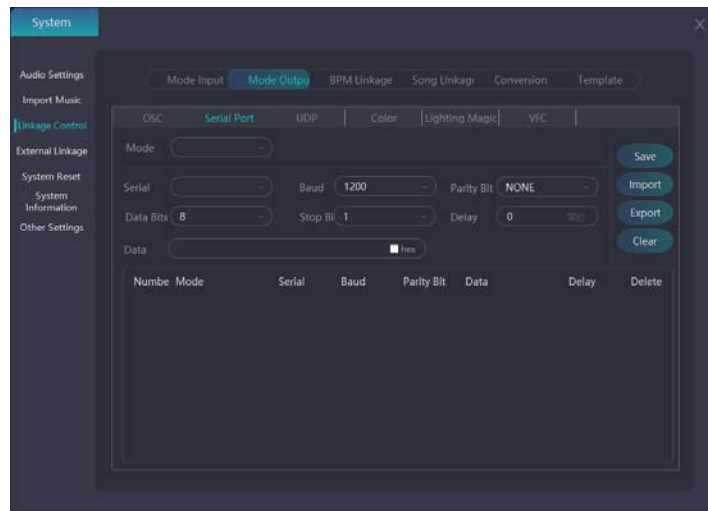
This page is the input linkage in the linkage control, which contains the OSC address of multiple operating functions, which is the input address of the OSC protocol; the sending data is the linkage data of the OSC protocol. It needs to be linked with the input data when the output is linked.

3.3.2 Output linkage

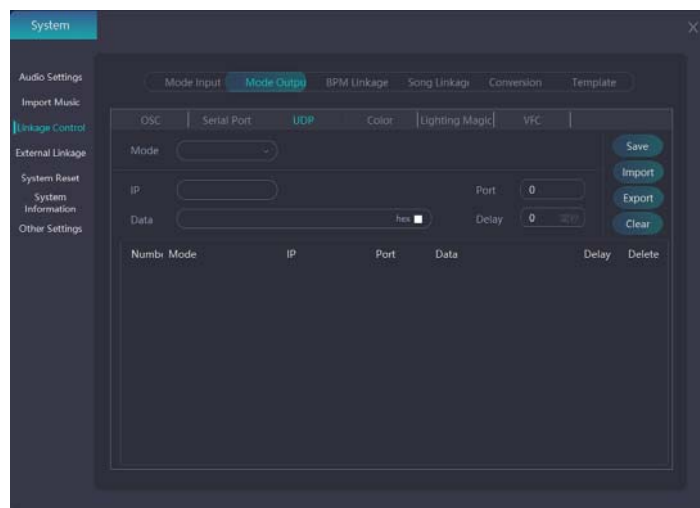
There are three category frames for output linkage: OSC protocol, 485/232 protocol/BPM output.



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

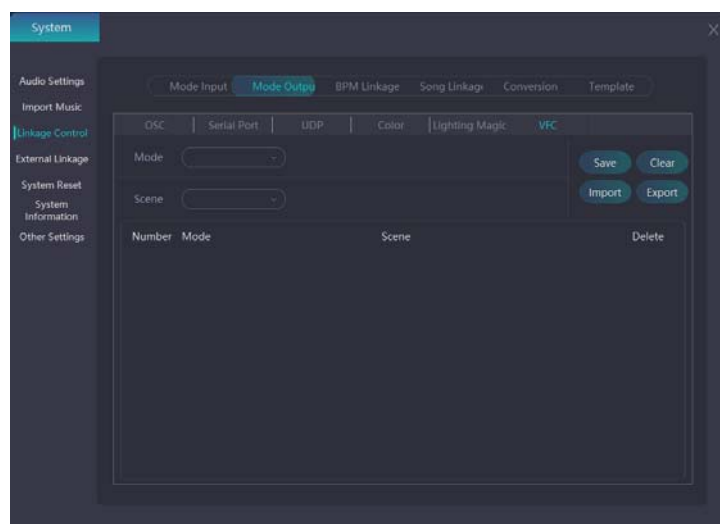
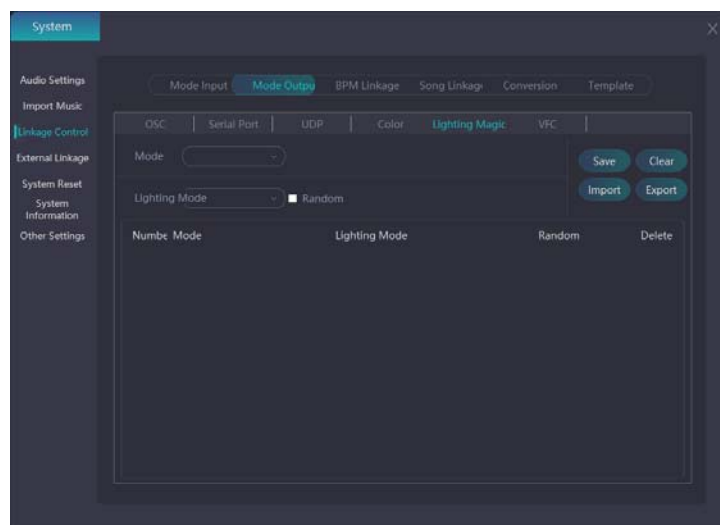
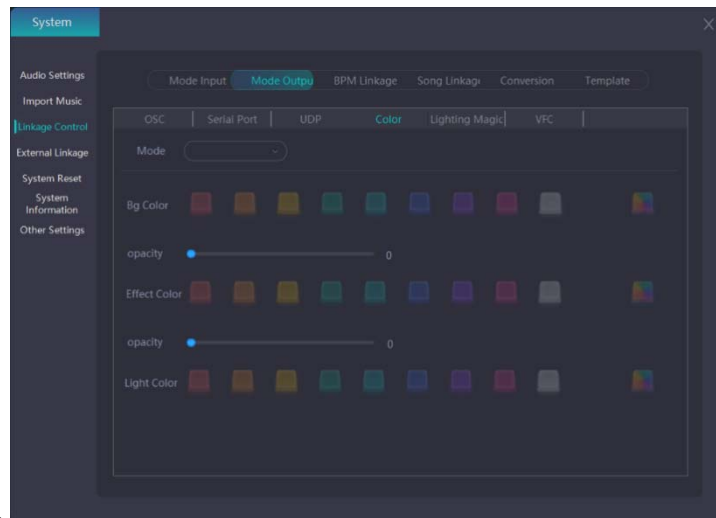


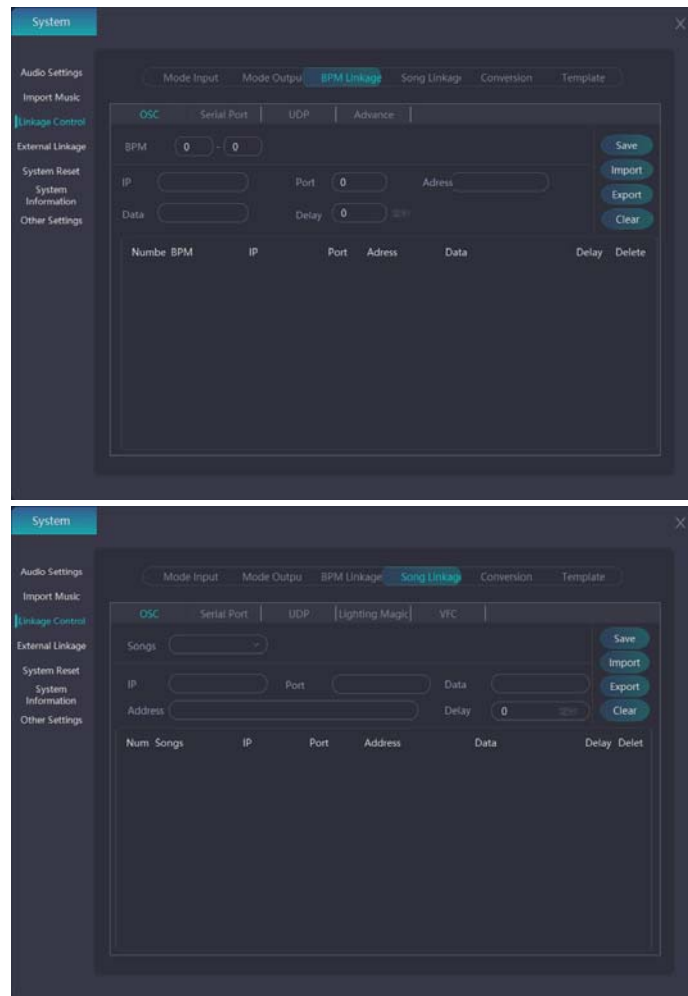
This page is for 485/232 protocol. Set the specified song to send 485/232 commands to other devices.



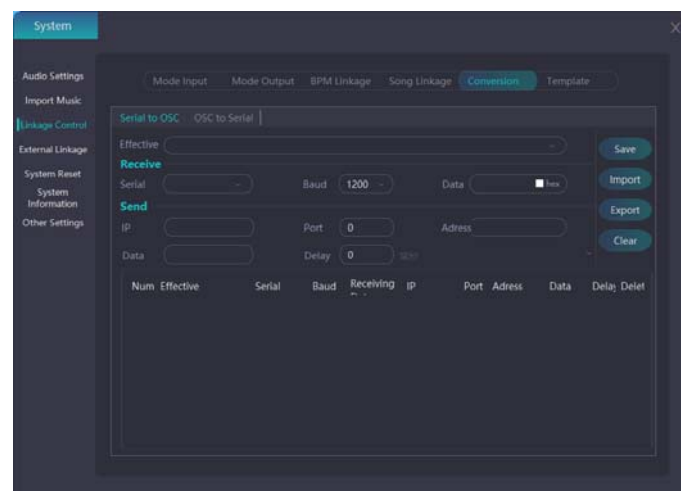
This page is BPM output. The BPM value of the song is linked to the light and video, so that the light, video, and the rhythm of the song are triggered synchronously. The OSC protocol and the 485/232 serial port protocol are supported. When connecting to BPM, click the upper right corner of the page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

label 0.00 BPM

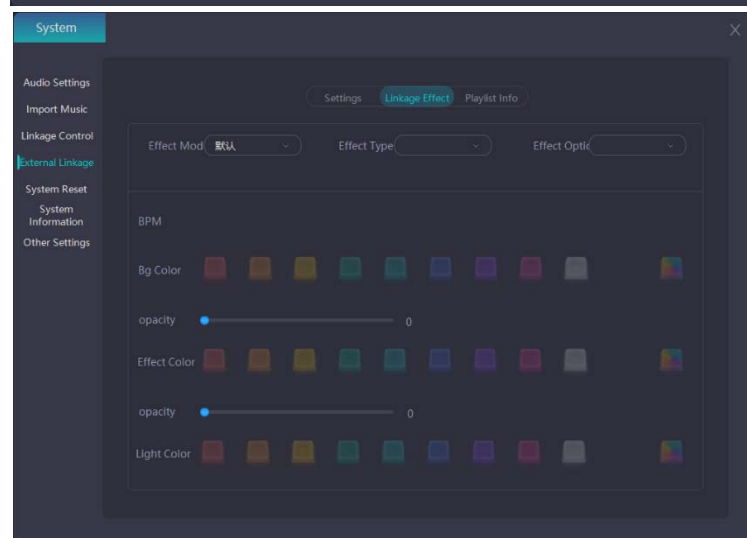
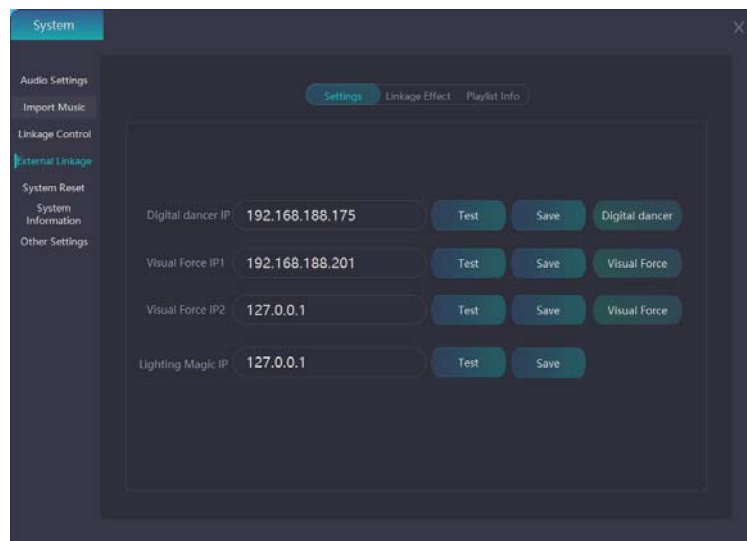
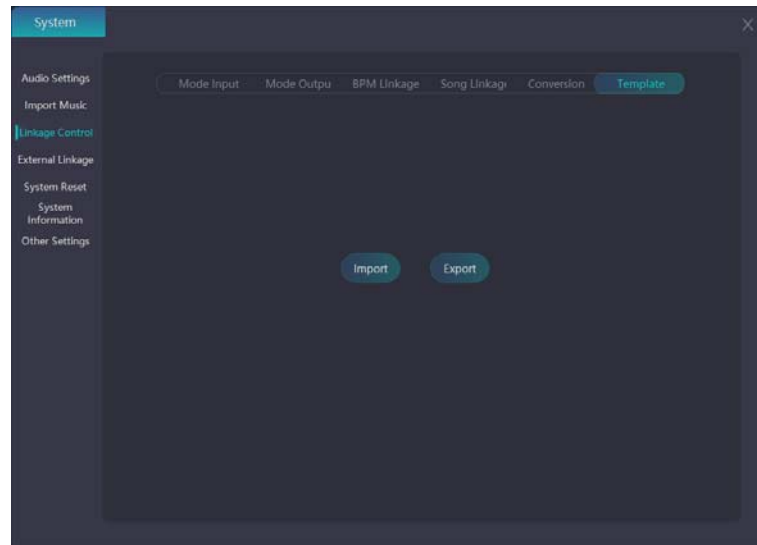




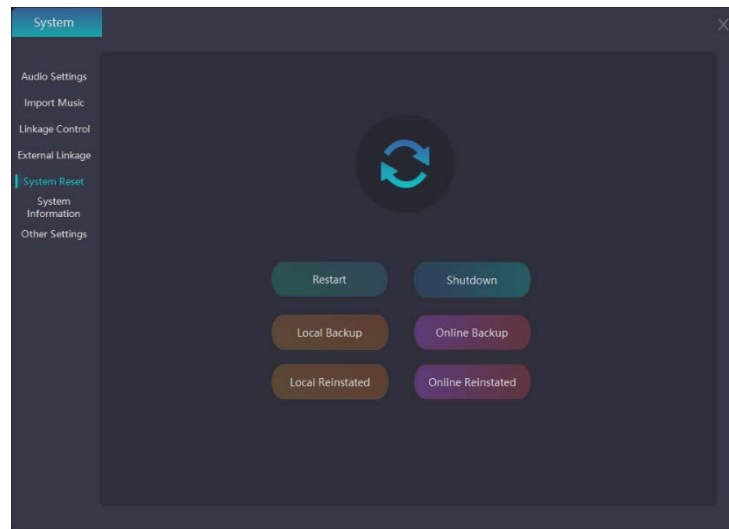
3.3.3 Conversion settings



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.



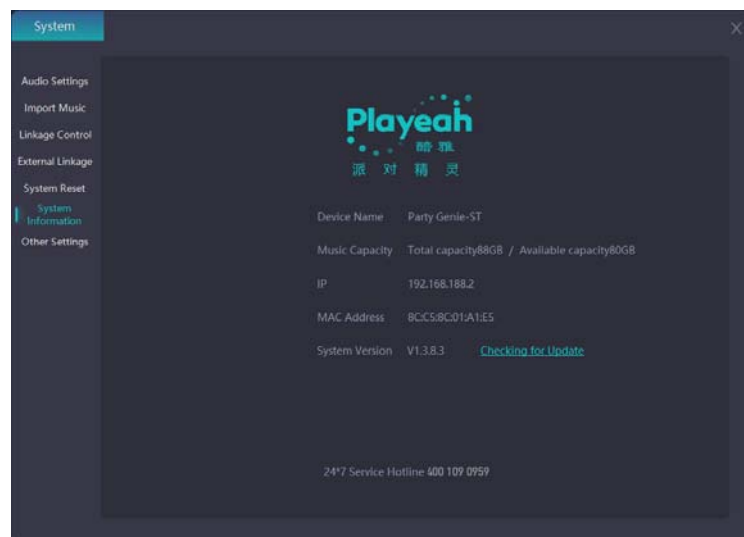
3.4 System reset



This page is for system reset, where you can restart the system and shut down the system. If there is an abnormality in venue commander, you can restore the system on this page. The restoration system includes:

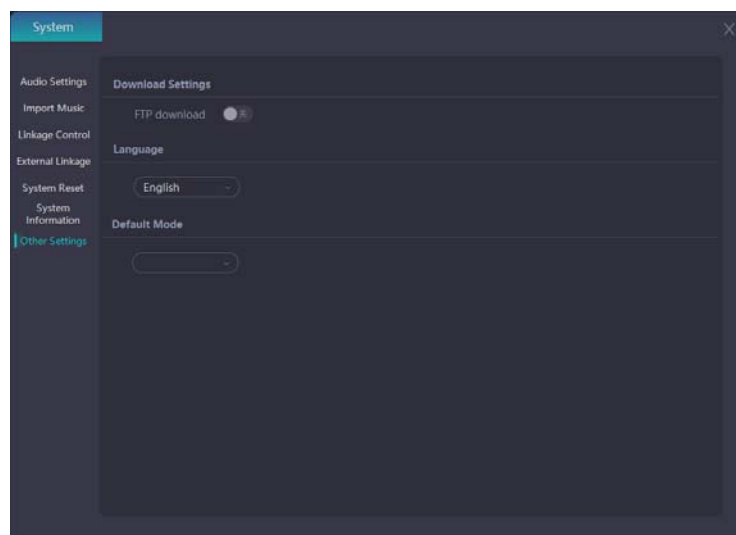
- 1) Local Restore—Restores the system to the state it was in when it was last working properly.
- 2) Online recovery – This is a recovery performed after the device has had a hardware failure and the device has been updated.

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

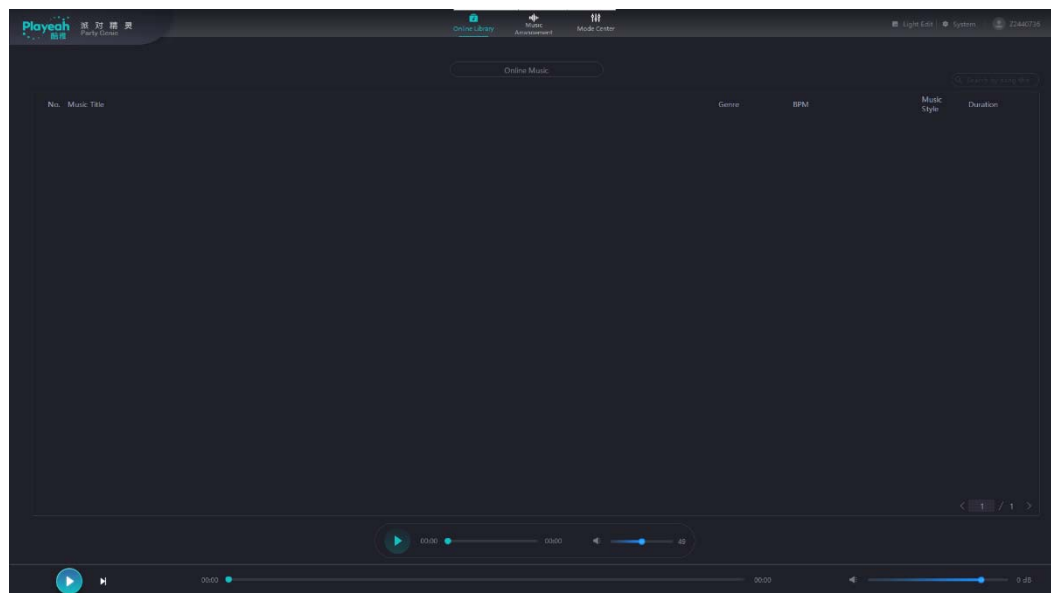


This page is for additional settings. FTP is a standard set of protocols for file transfers over a network. When downloading songs, if the download fails, the FTP protocol can also be used to download the songs.

4. Online Music Library



In order to solve the problem that there is no matching program playback after users are equipped with a spatial sound system, the Venue Commander cooperated with Yeetone Music Cloud to embed the Yeetone Music Cloud's space sound music track library and integrate it into the Venue Commander. As long as users log in with a valid account and password and open the Venue Commander, they can instantly browse the Yeetone Music Cloud library online, select their favorite music and download it to this device for daily playback.

The picture below shows the “Online Music Library” interface in the Venue Commander

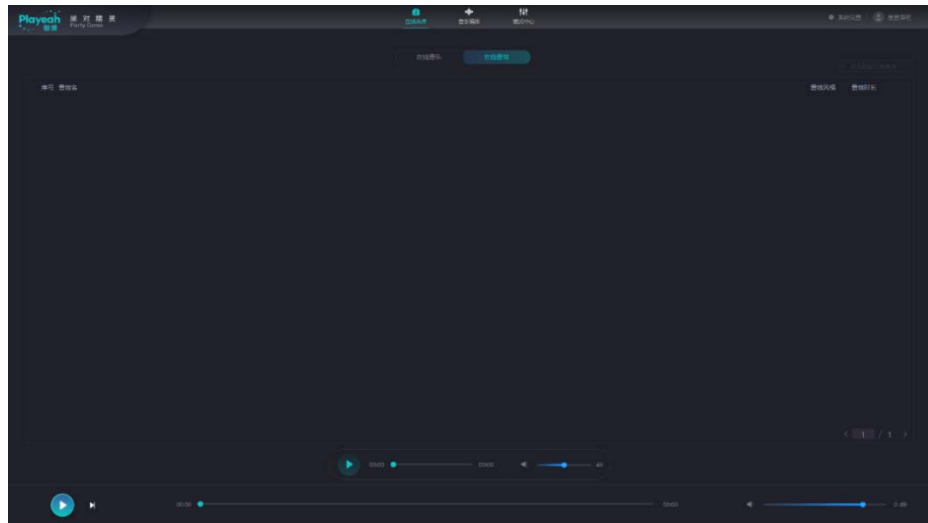


This page is online music, you need to successfully connect to the Internet to run normally, users can according to their favorite track style type in the search box on the top right of the page, query the song style type.

 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.

4.2 Online sound effects



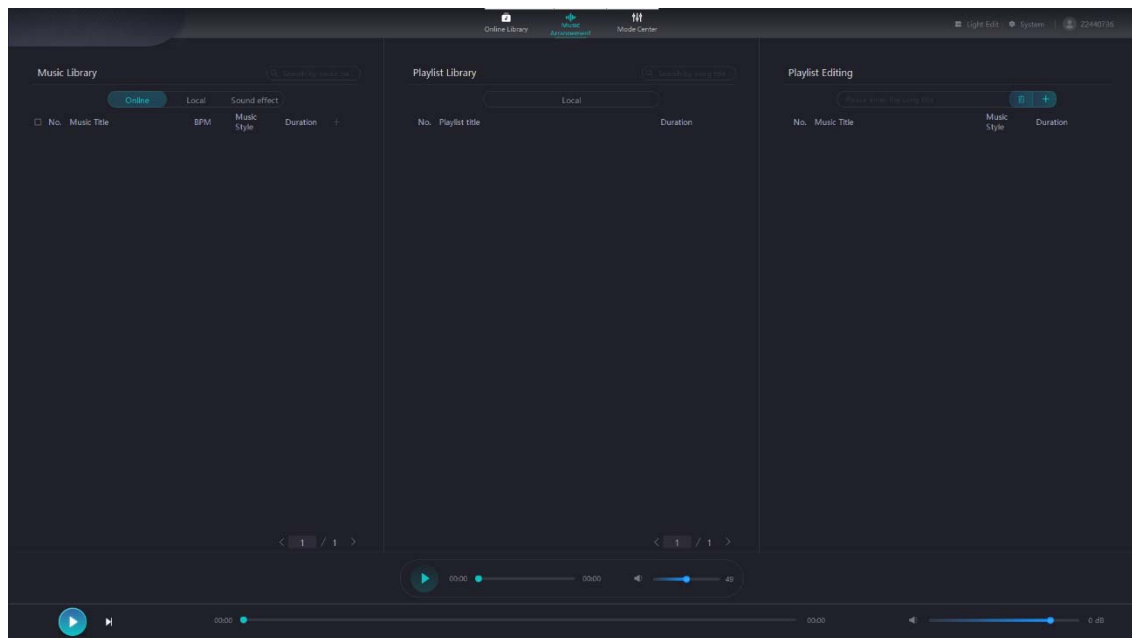
This page is an online sound effect, and it needs to be connected to the Internet to run normally. The electronic special effects are extracted to demonstrate the 3D surround, which makes the experience more prominent.

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.



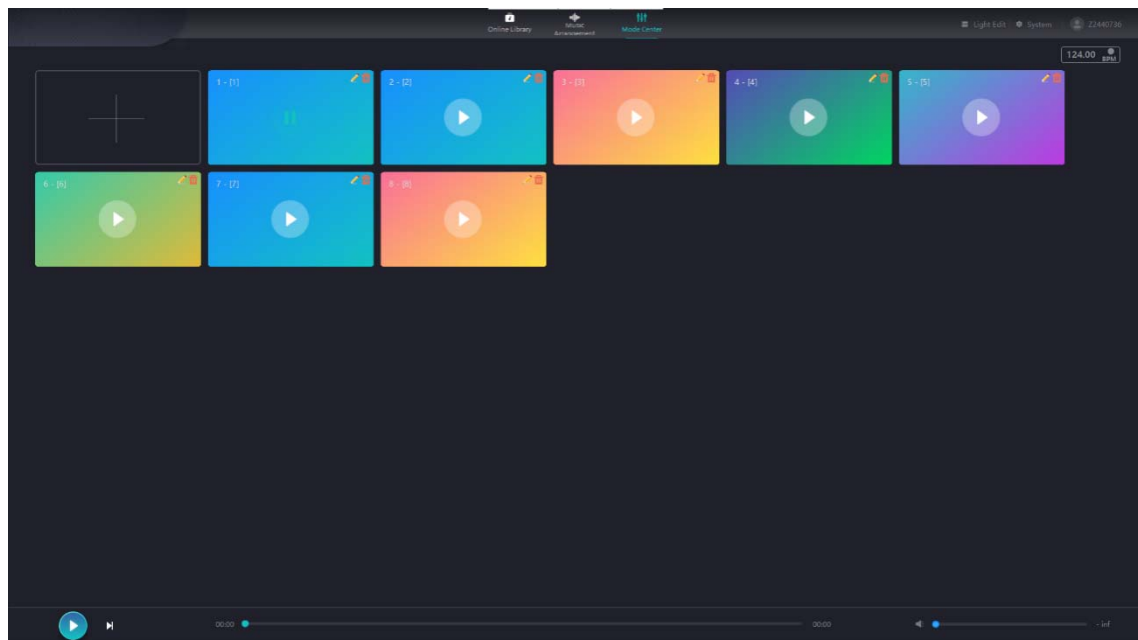
This page is organized for the music, in the **music library** section:

- 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  tab 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

In order to make the scene atmosphere of the party room richer and more diverse, the Venue Commander has set up a custom playback mode, which can customize the sound effects of lighting, video, and music according to customer demand modes.

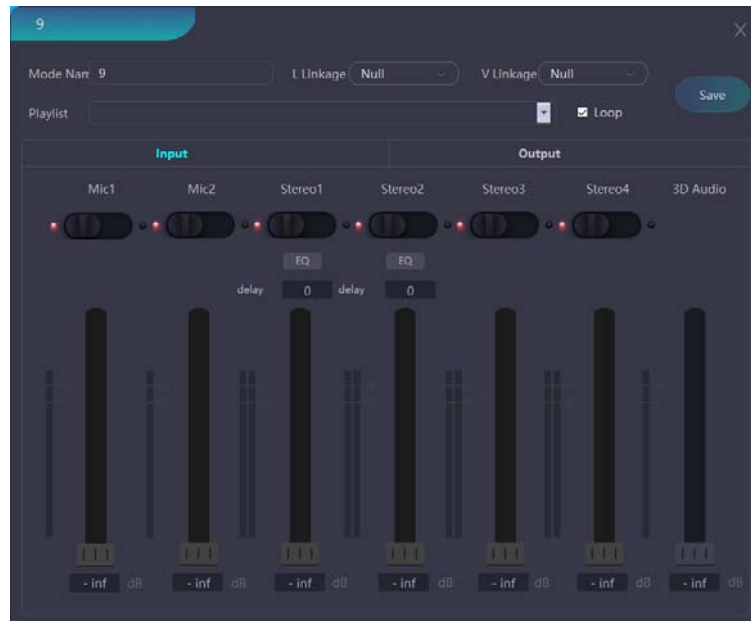


This page is the mode center, and the mode boxes on this page are all set to custom mode, which can be customized by the user according to the scene requirements.

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.

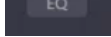
6.1 Mode – Input

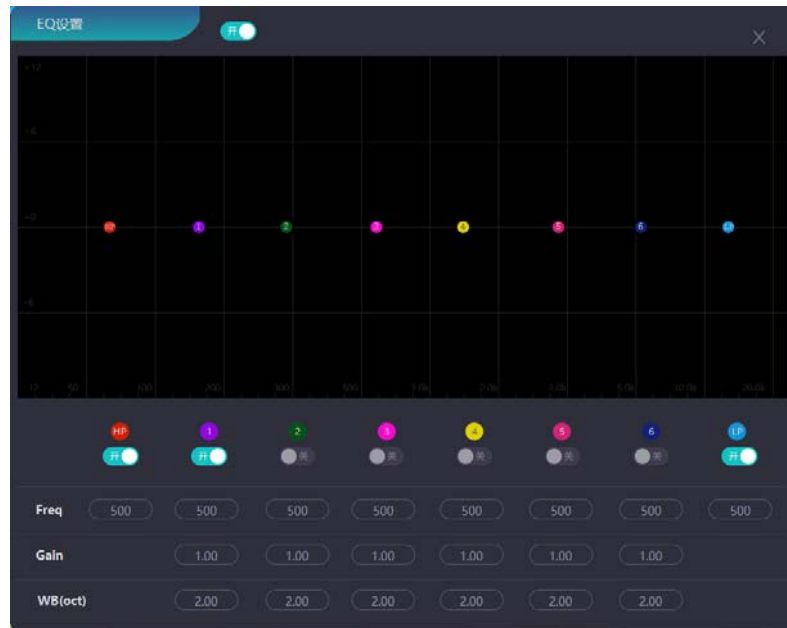


This page is the input mode, and each mode of this interface has an independent input mode window, which can customize the input volume, song list selection, etc. of each mode.

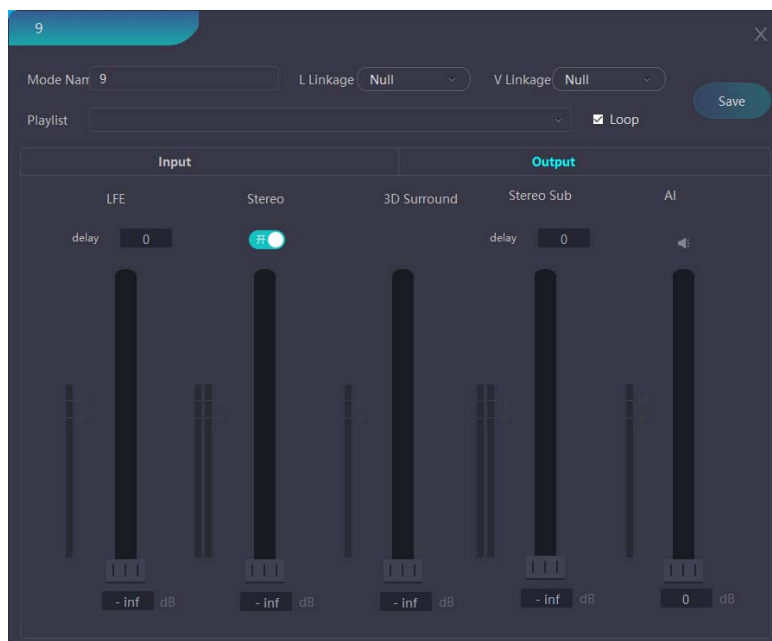
The stereo in this interface is set to control the input volume level of the connected external device. There are a total of four stereo channels; two microphone channels (mono); and a 3D sound effect channel, which is the input volume for 3D music within the system.

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

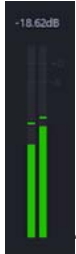


This page is the output interface of the mode center

- 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: | 4 X RS485, 4 x RS232 |
| 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 precision: | 24bit |
| Music format: | WAV、MP3 | Analog line input: | 4xXLR-F |
| Analog line output: | 4xXLR-M | Network audio input: | PRO: 10ch@Dante ST: Och |
| Network audio output: | PRO: 16ch@Dante ST: Och | Network interface: | 1x WAN, 12x LAN |
| USB interface: | 2 x USB 2.0 | Video Interfaces: | 1xHDMI |
| POWER SUPPLY: | DC12V-8A | weight: | 4Kg |
| Dimensions: 482mm x 325mm x 45mm | | | |
| Support for SMPTE time code (LTC, MTC): PRO | | | |