Venue Commander



PlayeahSoun²D 酷雅空间声 | 24bit 48Khz | IMFA | RT-MC | UISIF

Venue Commander

—— Set Precedents of AI Venue

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

Coordinating venue linkage by real-time music analysis

Venue Commander uses Playeah's original "IMFA" intelligent music analysis technology and "RTBC" real-time rhythm control technology , and uses deep AI algorithms to schedule lighting, video, machinery and dynamics to coordinate with the scene of the venue.All the facilities that can realize the performance of the venue can be integrated with the music in an all-round way, fully displaying the excitement and enthusiasm of the program, and making the audience at the banquet and celebration venue more deeply immersed in the atmosphere of the venue.

Easily adaptable to multiple versions

For venues with different needs and configurations, there are two types of Venue Commander: ST version and PRO version. The ST version, suitable for scenarios with stereo sound system.The PRO version supports up to 16-channel speaker output, which can achieve a three-dimensional panoramic sound field effect and bring a more immersive and enveloping music and sound effect experience.

Venue Commander cooperates with Playeah's Visual Force image server and Lighting Magic light controller, and will set a new benchmark of “Playeah venue” with unique sound and light integration charm!



后板示意图

Rear panel diagram

FEATURES

Venue Commander PRO:

- Built-in 3D immersive audio player with native support for Playeah Soun³D immersive audio, stereo MP3, stereo WAV, and multichannel WAV playback.
- Supports conversion of Dolby 5.1, 7.1, and other multichannel spatial audio formats to Playeah Soun³D immersive audio.
- Includes a cloud-based music library with rich content, including Playeah Soun³D immersive audio assets, and supports user uploads.
- Built-in Playeah Soun³D processor with a Hi-Fi 3D spatial audio library for banquet, celebration, and venue applications; supports up to 64 independent
- sound-source speaker layouts.

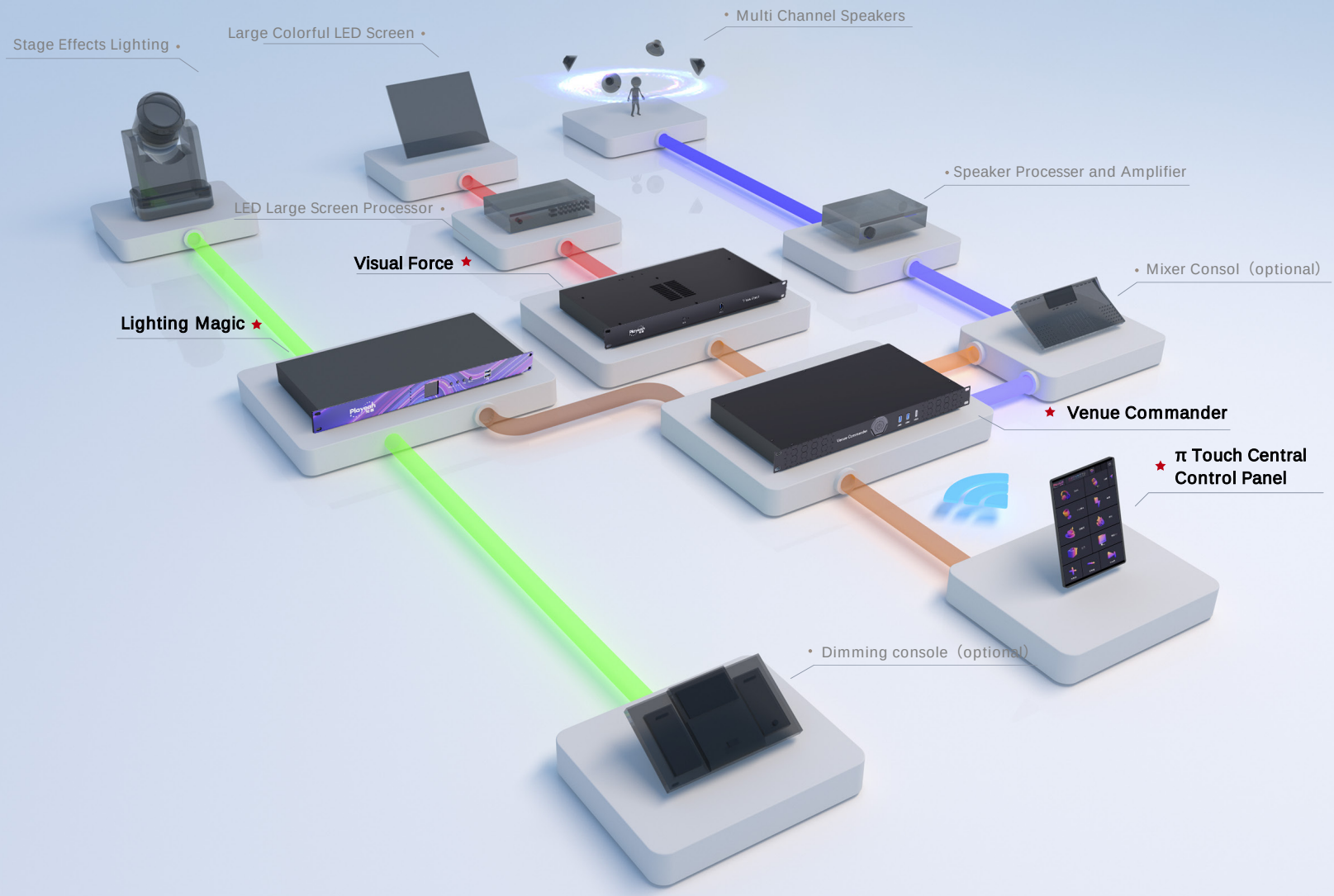
Venue Commander PRO | ST:

- "IMFA" intelligent music analysis technology for real-time analysis of musical sections, dynamics, tempo, beat, and other musical elements.
- "RTBC" real-time rhythm control technology enables lighting, video, machinery, and special effects to follow the music with precision.
- Built-in "Lighting Robot" command set, compatible with common lighting console and media server protocols for synchronized lighting cues and video effects.
- AI-based lighting and video playback automatically trigger and adjust lighting effects and video content by musical sections such as intro, chorus, build-up, drop, outro, and climax, with real-time rendering overlays.
- Supports AI music video generation: text or voice input can generate lyrics, melody, and musical element data, up to 5 minutes per AI track; imported music can generate scene visuals, up to 5 minutes per AI video.
- Built-in control protocols with two industrial control ports, one RS232 port, and one RS485 port for integration with third-party video servers, lighting consoles, fog machines, and other stage devices.
- Supports Dante network audio with up to 16 mono inputs and 64 mono outputs; includes a 16-channel input mixer with stereo main output.
- Supports SMPTE timecode generation and reading (LTC.MTC).
- Preset with common configuration parameters for fast installation and easy operation.

Model: Venue Commander ST | Venue Commander PRO			
Processing Core:	Intel 64bit 4core 4GHz CPU	Memory:	16GB RAM, 256GB SSD
Control Protocols:	OSC、RS485、RS232、UDP	Control Channels:	RS485, RS232
Frequency Response:	20Hz-20kHz	Harmonic Distortion:	0.003%@1kHz
Digital Audio Clock Accuracy：	±0.1ppm	Signal-to-Noise Ratio:	102bB
Digital Audio Sample Rate:	48kHz	Internal Processing Precision:	64-bit floating point
Dynamic Range:	96dB	Quantization Bit Depth:	24bit
Audio Formats:	WAV、MP3	Analog Line Outputs:	4 × XLR-M
Analog Line lutputs:	4 × XLR-F	Network Audio Output:	PRO:64ch@Dante |ST:0ch
Network Audio lutput:	PRO:16ch@Dante|ST: 0ch	Network Interfaces:	1 × WAN, 6 × LAN
USB Ports:	2 × USB2.0	Video Interface:	1 × HDMI
Power Supply:	DC12V-8A	Weight:	4Kg
Dimensions:	482mm×331mm×44mm		
SMPTE Timecode (LTC.MTC): Generate and read			

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Application Connection Diagram

Control Signal | Video Signal | 512 Signal | Audio Signal | Wireless Signal

APPLICATION SCENARIOS

Playeah Venue

All the facilities to realize the venue performance can be integrated with the music in an all-round way, fully displaying the excitement and enthusiasm of the program, and bringing a unique super-sensory audio-visual experience to the audience at the banquet and celebration venue.

