

XCA

Loudspeaker Control System

数字音频处理器

More Details

Sound system designers have relied on XCA processing technologies to support top live productions and installations. Take advantage of the fidelity we’ re famous for, in simple, affordable digital solutions that offer 24-bit/96 kHz resolution with 32-bit floating-point processing for pristine audio quality.

更多细节

音响系统设计师一直依靠 XCA处理技术来支持现场制作和安装。利用我们以简单、经济实惠而闻名的保真度，提供 24 位/96 kHz 分辨率和 32 位浮点处理，实现原始音频质量。

YOUR ALL-IN-ONE SYSTEM-MANAGEMENT TOOLBOX

XCA series provides robust audio processing and signal routing so you can operate your PA system safely while delivering the loudest, cleanest sound possible. Each input and output channel has its own dedicated 6-band parametric EQ; limiter; compressor; crossover; delays; and Butterworth, Bessel, Linkwitz–Riley and 12/18/24/36/48 dB/octave filters.

您的一体化系统管理工具箱

XCA系列提供强大的音频处理和信号路由功能，因此您可以安全地操作 PA 系统，同时提供最响亮、最干净的声音。每个输入输出通道都有自己专用的6段参量均衡器；限制器；压缩机；交叉；延迟；以及 Butterworth、Bessel、Linkwitz–Riley 和 12/18/24/36/48 dB/倍频程滤波器。

FAST, SIMPLE SYSTEM SETUP

Touring artists and rental companies customize sound systems for a range of venues and spaces; they need a loudspeaker management solution that’ s versatile enough to meet diverse acoustic requirements. Conversely, commercial facilities may share common system configurations in many spaces. The XCA series is available in 2x4, 3x6 and 4x8 input/output configurations to fulfill a broad range of system demands and includes built-in EQ presets for popular loudspeakers. Store and recall presets for frequently used venues for quick, easy setup, wherever you work.

快速、简单的系统设置

巡演艺术家和租赁公司为各种场地和空间定制音响系统；他们需要一个多功能的扬声器管理解决方案来满足不同的声学要求。相反，商业设施可能在许多空间共享通用的系统配置。XCA系列提供 2x4、3x6 和 4x8 输入/输出配置，可满足广泛的系统需求，并包含适用于流行 JBL 扬声器的内置 EQ 预设。存储和调用常用场地的预设，无论您在哪里工作，都可以快速、轻松地进行设置。

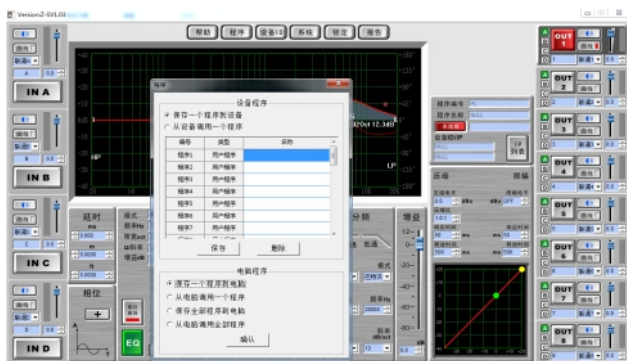
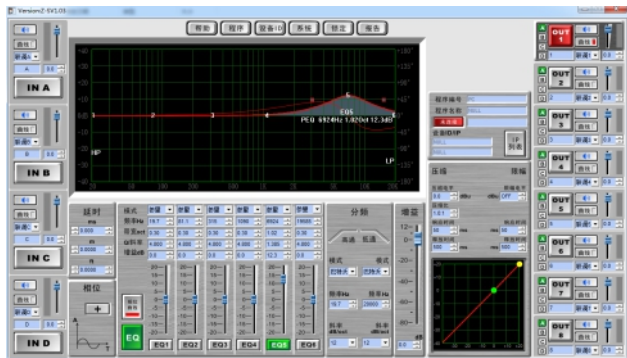
INTUITIVE OPERATION, ANYWHERE

XCA series models all share a similar front-panel layout, functions and features, for consistent operation and ease of use. Front-panel features include a vivid LCD screen with intuitive companion editing controls. Input and output channel LED indicators display levels; each channel features a dedicated mute button. Connect to a PC through the front-panel USB port to access a detailed GUI for complete, intuitive control of all hardware parameters, no drivers

操作直观，随处可得

XCA系列型号均具有相似的前面板布局、功能和特性，操作一致且易于使用。前面板功能包括生动的 LCD 屏幕和直观的配套编辑控件。输入输出通道LED指示灯显示电平；每个通道都有一个专用的静音按钮。通过前面板 USB 端口连接到 PC，访问详细的 GUI，从而对所有硬件参数进行完整、直观的控制，无需驱动程序。

软件界面(Software Interface)



DIGITAL PROCESSOR XCA24+ / 26+ / 28+ / 36+ / 46+ / 48+

Complete Equalization & Loudspeaker Control System

完美的均衡和控制音响系统



XCA loudspeaker control system provides superior-quality digital audio processing, routing and tuning to manage and protect your PA system and deliver the best sound possible in any mobile production or fixed installation. provides all of the processing necessary to get the most out of your sound system: Each input and output channel offers a full suite of DSP including 6-band parametric EQ, limiter, compressor, crossover, delays and filters; internal 96 kHz/24-bit processing provides pristine audio performance.Units are designed for fast deployment and simple operation, with 30 built-in presets and access to downloadable JBL loudspeaker presets. An intuitive front panel layout centers around a bright, easy-to-read LCD screen; channel indicators with mutes; PC interface connection; and CUE preset recall buttons.deal for rental companies, houses of worship, touring artists and DJs and corporate A/V and education markets, XCA Series loudspeaker control systems make perfect centerpieces for your most versatile PA systems.

FEATURE 主要特性

- 96KHz sampling frequency, 32-bit DSP processor, 24-bit A/D and D/A conversion;
- There are multiple models to choose from, including 2 inputs and 4 outputs, 2 inputs and 6 outputs, 2 inputs and 8 outputs, 3 inputs and 6 outputs, 4 inputs and 6 outputs, and 4 inputs and 8 outputs. Multiple frequency division modes can be flexibly combined, with high , low-pass crossover points can reach 20Hz ~ 20KHz;
- Provides USB and RS485 interfaces to connect to computers. Through the RS485 interface, up to 250 machines can be connected and controlled by external computers at a distance of more than 1,500 meters;
- You can directly use the function keys and pulleys on the panel to set functions or connect to a computer to control through PC control software, which is very convenient, intuitive and simple;
- A single machine can store 30 user programs;
- You can set a password to lock the panel control function through the SYSTEM button on the panel to prevent the operation of idle personnel from damaging the working status of the machine;
- Each input and output has 6 sections of independent parametric equalization, and the adjustment gain range can reach $\pm 20\text{dB}$. At the same time, the output channel equalization can also choose two slope modes: Lo-shelf and Hi-shelf;
- 2×24 LCD blue backlight displays function settings, 6-segment LED displays input/output precise digital level meter, mute and editing status;
- Each input and output has delay and phase control and mute settings. The delay can be up to 1000ms. The delay unit can be selected from milliseconds (ms), meters (m), and feet (ft);
- The output channel can also control gain, pressure limit and select input channel signals, and can copy all parameters of a channel to another channel and perform linkage control;
- The central control can be connected through the USB interface or RS485 interface to control the matrix and channel muting.
- Can be locked by function to achieve data confidentiality
- Input channel adjustable noise gate

XCA 扬声器控制系统提供卓越品质的数字音频处理、路由和调谐，以管理和保护您的 PA 系统，并在任何移动制作或固定安装中提供最佳声音。提供充分利用音响系统所需的所有处理功能：每个输入和输出通道均提供全套 DSP，包括 6 频段参数均衡器、限制器、压缩机、分频器、延迟和过滤器；内部 96 kHz/24 位处理提供原始的音频性能。装置专为快速部署和简单操作而设计，具有 30 个内置预设并可访问可下载的扬声器预设。直观的前面板布局以明亮、易于阅读的液晶显示屏为中心；带静音的通道指示灯；PC接口连接；和 CUE 预设调用按钮。

XCA系列扬声器控制系统是租赁公司、礼拜堂、巡演艺术家和 DJ 以及企业 A/V 和教育市场的理想选择，是您最通用的 PA 系统的完美核心。

- 96KHz采样频率，32-bit DSP处理器，24-bit A/D及D/A转换；
- 有2输入4输出、有2输入6输出、有2输入8输出、有3输入6输出、有4输入6输出、有4输入8输出多种型号选择，可灵活组合多种分频模式，高、低通分频点均可达20Hz~20KHz；
- 提供USB和RS485接口可连接电脑，通过RS485接口可最多连接250台机器和超过1500米的距离外用电脑来控制；
- 直接用面板的功能键和拨轮进行功能设置或是连接电脑通过PC控制软件来控制，均十分方便、直观和简洁；
- 单机可存储30种用户程序；
- 可通过面板的SYSTEM按键来设定密码锁定面板控制功能，以防止闲杂人员的操作破坏机器的工作状态；
- 每个输入和输出均有6段独立的参量均衡，调节增益范围可达 $\pm 20\text{dB}$ ，同时输出通道的均衡还可选择Lo-shelf和Hi-shelf两种斜坡方式；
- 2×24 LCD蓝色背光显示功能设置，6段LED显示输入/输出的精确数字电平表、哑音及编辑状态；
- 每个输入和输出均有延时和相位控制及哑音设置，延时最长可达1000ms，延时单位可选择毫秒(ms)、米(m)、英尺(ft)三种；
- 输出通道还可控制增益、压限及选择输入通道信号，并能将某通道的所有参数复制到另外一个通道并能进行联动控制；
- 可以通过USB接口或RS485接口连接中控来控制矩阵和通道的哑音
- 可以分功能锁定，实现数据保密
- 输入通道可调噪声门