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US series

US 系列音箱处理器 US7403/US3603/US4803
US SERIES LOUDSPEAKER SYSTEM PROCESSOR

● 32位DSPSHARC芯片处理, 96kHz采样率, 24bit AD/DA转换。

● 输入处理部分包含高切, 低切, 8个参量均衡, 噪声门, 增益, 静音, 相位, 延时, 连动调节等处理功能。

● 输出处理部分包含分频, 9个参量均衡, 增益, 静音, 压缩/限幅器, 相位, 延时, 连动调节等处理单元。

● 所有通道的PEQ增益、带宽、频率连续可调, 类型可选择: 参量均衡/低架滤波/高架滤波/低切滤波/高架滤波/移相1 阶/移相2阶。

● 所有输入输出之间可以自由进行矩阵式分配, 且每个输入输出通道名称可以更改。

● 所有输入输出通道带独立的相位曲线调整功能, 在PEQ类型选择移相1阶时是180度曲线调整, 移相2阶是360度曲线调整。

● 所有高切、低切滤波器, 分频器的类型可选择: 巴特沃斯、林奎瑞利、贝塞尔, 斜率在- 6dB/Oct至-48dB/Oct可选。

● 输出通道的压缩/限幅器的阀值, 比率, 启动时间, 恢复时间连续可调。

● 所有输入输出通道的延时模块都具有高达680ms的延时时间。

● 任意通道之间参数设置可以自由复制, 以及任意通道可以进行连动调节。

● 可在任意一个输入或输出通道时看到当前所有的输入或输出通道的PEQ曲线调整图。

● 内置测试信号发生器, 输出方式可选粉红噪声, 白噪声及20Hz-20kHz正弦波可调, 信号幅度可调

● 前面板带有输入输出电平指示灯、USB控制端口, 后面板232 &485控制端口, 以及以太网连接远程控制端口, 一键式连机使得用户的操作更简易、快捷, 电脑可无线调音。

● 30个用户预设, 整机状态和每个预设都可以单独存储和调用。ID设置功能可以级联控制255台机器, 还具有密码保护功能, 使备更安全。

●32-bit DSP SHARC process, 96kHz sampling rate, 24-bit AD/DA convert.

● Input processing includes High-cut, Low-cut, 8 PEQ, Noise gate, Gain, Mute, Phase, Delay, Link and so on.

●Output processing includes X-over, 9 PEQ, Gain, Mute, Compressor/Limiter, Phase, Delay, Link and so on.

●Adjustable PEQ frequency, Gain and bandwidth. We can choose style: Peak, L -shelf, H-shelf, Low cut, High cut, Allpass 1, Allpass 2.

●Every input and output can do matrix assign flexibly, and all the input and output channel name can be changed.

●All the input and output with independent phase curve adjust function, PEQ style choose allpass 1 is 180° curve adjust, allpass 2 is 360° curve adjust.

●The style of all High-cut,Low-cut filter and Distributor unit: Butterworth, Linkwitz-Riley, Bessel; slope is from -6dB/Oct to -48dB/Oct.

●Adjustable compressor/limiter threshold, ratio, attached time and release time.

●Maximal delay time is 680ms for all input/output channels.

●Parameter Settings between any channel can be copied freely, and any channel can be linkage adjusted.

●Displays the current PEQ curves of all input or output channels in any input or output channel window.

●Built-in test signal generator, output mode optional pink noise, white noise and 20Hz-20kHz sinusoidal adjustable, and signal amplitude adjustable.

●The front panel is equipped with input and output levelindicator light, USB control port, rear panel 232 & 485 control port, and Ethernet connection remote control port. One-button connection makes the user's operation easier and faster, and the computer can be wireless

●30 user presets,the complete machine state and each preset can be stored and called separately. The ID setting function can cascade control 255pcs machines, and also has password protection function to make the device more secure.

SPECIFICATIONS

型号MODEL		US7403	US3603	US4803
输入输出通道INPUT/OUTPUT CHANNELS		2进4出 2 IN/4 OUT	3进6出 3 IN/6 OUT	4进8出 4 IN/8 OUT
输入输出接口INPUT/OUTPUT CONNECTOR		输入：卡侬母座，输出：卡侬公座 INPUT: XLR FEMALE, OUTPUT: XLR MALE		
频率响应 FREQUENCY RESPONSE		20Hz–20KHz ±0.3dB	20Hz–20KHz ±0.3dB	20Hz–20KHz ±0.3dB
动态范围DYNAMIC RANGE		115dBu	115dBu	115dBu
失真度THD		<0.008% at 1kHz(0dBu)	<0.008% at 1kHz(0dBu)	<0.008% at 1kHz(0dBu)
串音CROSSTALK		>70dBu，20Hz–20kHz	>70dBu，20Hz–20kHz	>70dBu，20Hz–20kHz
共模抑制比CMRR		>75dBu 1KHz	>75dBu 1KHz	>75dBu 1KHz
线路输入部分 LINE INPUT	连接方式 CONNECTION TYPE	平衡式连接 BALANCED CONNECTION		
	增益GAIN	35dBu	35dBu	35dBu
	最大输出电平MAX OUTPUT LEVEL	18dBu	18dBu	18dBu
	阻抗 IMPEDANCE	>10KΩ	>10KΩ	>10KΩ
输出部分 OUTPUT	连接方式 CONNECTION TYPE	平衡式连接 BALANCED CONNECTION		
	最大输出电平 MAX OUTPUT LEVEL	18dBu	18dBu	18dBu
	阻抗 IMPEDANCE	<500Ω	<500Ω	<500Ω
数字处理部分(DSP)		24bit sigma–delta A/D、D/A转换 CONVERSION，32bit SHARC DSP, 96kHz采样SAMPLING		
产品尺寸DIMENSIONS(WxDxH)mm		482x205x44	482x205x44	482x205x44
产品净重 NET WEIGHT		2.3KG	2.3KG	2.3KG