



X-6



- ◇ 此产品是具有音响处理能力的卡拉ok效果器,每部分功能都独立可调.
- ◇ 采用24Bit数据总线和32Bit DSP.
- ◇ MUSIC输入通道设有7段参量均衡.
- ◇ MIC输入通道设有11段参量均衡.
- ◇ 超低频输出设有4段参量均衡.
- ◇ 中置输出、后置输出均设有3段均衡
- ◇ 麦克风有3级反馈抑制, 并可选择OFF/ON, 并能设置话筒反相, 更有效地消除啸叫的现象。
- ◇ 可存储6种模式
- ◇ 麦克风输出、主输出、中置输出、超低音输出、后置输出均设有压限及延时功能
- ◇ 本机设有全功能菜单, 也可以通过PC界面设置。

- ◇ This product is a sound processing capacity karaoke effectors, each part of the function of independent adjustable.
- ◇ The 24 bit data bus and 32 bit DSP.
- ◇ MUSIC input channel has seven section parameter equilibrium.
- ◇ MIC input channel has 11 section parameter equilibrium.
- ◇ Subwoofer output has 4 section parameter equilibrium.
- ◇ Buy the output, rear output are equipped with 3 period of equilibrium
- ◇ The microphone has three level feedback inhibition, and can choose OFF/ON, And can set the microphone phase, more effectively eliminate the noise of the phenomenon
- ◇ Can be stored and pattern
- ◇ The microphone output, the main output, buy output, subwoofer output, rear output are equipped with pressure limit and time delay function
- ◇ The machine has the whole function menu, can also through the PC interface Settings

音乐部分Music part	
频率响应 Frequency Response	20Hz~22kHz
最大输入电平 Maximum input level	4V(RMS)
最大输出电平 Maximum output level	4V(RMS)
总频率失真 (THD)	0.01% 20Hz-20KHz
信噪比 (SNR)	> 95dB
输出灵敏度/阻抗 Output sensitivity/Ohm	4VPP/60 ohm
超低音频响应率 Subwoofer frequency response	20Hz~250Hz ±0.5dB
麦克风部分 Microphone part	
频率响应 Frequency responsea	20Hz~20kHz
输入灵敏度 Input sensitivity	-32dB/4700 ohm
最大输出电平 Maximum output level	7Vpp(THD<0.5%)
输入过载源电平 Input overload source level	220V(THD<1%)
输出噪声电平 Output noise level	0.36mV
其他 Other	
电源 Power supply	AC-220V 50Hz
电源功耗 Power Consumption	10W
机器尺寸 Size	483x205x43mm
净重 Net Weight	3kg

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PROFESSIONAL PROCESSOR

X-9



- ◇ 此产品是具有音响处理能力的卡拉ok效果器,每部分功能都独立可调.
- ◇ 采用24Bit数据总线及32Bit DSP.
- ◇ MUSIC输入通道设有7段参量均衡.
- ◇ MIC输入通道设有15段参量均衡.
- ◇ 主输入设有5段参量均衡.
- ◇ 中置输出、超低音均设有3段均衡
- ◇ 麦克风有3级反馈抑制, 并可选择OFF/ON
- ◇ 可存储16种模式
- ◇ 麦克风输出、主输出、中置输出、超低音输出均设有压限及延时功能
- ◇ 内设管理者模式与用户模式: 用户模式在调整参数后不能存贮
- ◇ 本机设有全功能菜单, 也可以通过PC界面设置。

- ◇ This product is a sound processing capacity karaoke effectors, each part of the function of independent adjustable.
- ◇ The 24 bit data bus and 32 bit DSP.
- ◇ MUSIC input channel has seven section parameter equilibrium.
- ◇ MIC input channel has 15 section parameter equilibrium.
- ◇ The main input has 5 section parameter equilibrium.
- ◇ Buy the output, subwoofer are equipped with 3 period of equilibrium
- ◇ The microphone has three level feedback inhibition, and can choose OFF/ON
- ◇ Can be stored and pattern
- ◇ The microphone output, the main output, buy output, subwoofer output, rear output are equipped with pressure limit and time delay function
- ◇ Internal management mode and user mode: user mode in the adjustment of parameters can not save
- ◇ The machine has the whole function menu, can also through the PC interface Settings

音乐部分Music part	
频率响应 Frequency Response	20Hz~22kHz
最大输入电平 Maximum input level	4V(RMS)
最大输出电平 Maximum output level	4V(RMS)
总频率失真 (THD)	0.01% 20Hz-20KHz
信噪比 (SNR)	>96dB
输出灵敏度/阻抗 Output sensitivity/Ohm	1VPP/750ohm
超低音频响应率 Subwoofer frequency response	20Hz~250Hz ±0.5dB
麦克风部分 Microphone part	
频率响应 Frequency responsea	20Hz~20kHz
输入灵敏度 Input sensitivity	15mV
最大输出电平 Maximum output level	7Vpp(THD<0.5%)
输入过载源电平 Input overload source level	220V(THD<1%)
输出噪声电平 Output noise level	0.36mV
其他 Other	
电源 Power supply	AC-220V 50Hz
电源功耗 Power Consumption	10W
机器尺寸 Size	483x218.5x47.5mm
净重 Net Weight	3.5kg



K-600



- ◇ 采用微电脑CPU控制。
- ◇ PLL锁相环频率合成技术。
- ◇ 多功能LCD，特有音频声压显示，电池电压显示。
- ◇ 频率稳定度：±0.002。
- ◇ 拾音头增益调整旋钮：-20dB +35dB。
- ◇ FM最大调制频率偏：±20KHZ。
- ◇ 高次谐波：低于主波基准60dB以上。
- ◇ 使用电池：2节1.5V电池，可连续使用约8小时
- ◇ CPU control by microcomputer.
- ◇ PLL phase-locked loop frequency synthesis technology.
- ◇ Multi-function LCD, special audio sound pressure shows that the battery voltage display.
- ◇ Frequency stability: + / - 0.002.
- ◇ Cartridge: gain adjustment knob - 20 db + 35 db.
- ◇ FM modulation frequency partial: the biggest plus or minus 20 KHZ.
- ◇ Higher harmonic: below the main wave of more than 60 db.
- ◇ Battery: 2pieces 1.5v battery, can use continuously for about 8 hours.

系统System	
射频稳定度Radio-frequency stability	±0.002%(at25c)
工作温度范围Operating temperature range	-10℃-+50℃
最大偏移度The degrees of the displacement	±15KHz水平限度level of limit
动态范围Dynamic range	>100dB
信噪比 (SNR)	>90dB
总谐波失真THD	<0.5%
静噪深度控制Depth noise control: "音码及杂讯锁定""双重静音控制Sound codes and noise lock ""double mute control"	
频率响应范围Frequency response range	50Hz-18KHz
有效使用距离Working distance	50米
接收机Receiver	
接收模式Receiving mode	石英锁定Quartz locked
灵敏度Sensitivity	10uv(up 45 SINAD/at 15KHz deviation)
频率抑制Frequency suppression	> 80dB
音频输出Audio output	不平衡 Hi0-300mV/10K Mixer Hi0-250mV/10K
供电方式Power supply mode	DC 13V-500mA
发射话筒Launch microphone	
发射频率Frequency Ranges	UHF600-900MHz
音头Sound head	动圈式麦克风dynamic microphone
天线Antenna	内置built-in
发射功率Transmitted power	30mW
电池寿命Battery life	>8小时hour

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PROFESSIONAL MICROPHONE

K-800



频率范围 Frequency range	740-790MHz
可调信道数 Tunable channel number	100x2
振荡方式 Oscillation mode	锁相环频率合成(PLL) phase-locked loop (PLL) frequency synthesis
频率稳定度 Frequency stability	±10ppm
接收方式 Reception mode	超外差二次变频 secondary superheterodyne frequency conversion
接收灵敏度 Receiving sensitivity	-95 ~ -67dBm
音频频响 Frequently ring tone	40-18000Hz
谐波失真 Harmonic distortion	≤0.5%
信噪比 Signal to noise ratio	≥110dB
音频输出 Audio output	平衡输出和混合输出 the equilibrium output and mixed output
发射功率 Transmission power	3-30mW
调制方式 Method of modulation	调频(FM)
电池规格 The battery specification	5号电池2节
电源规格 Power specifications	100-240V 50-60Hz 12VDC(开关电源适配器) power adapter (switch) 220VAC/50-60HZ 12VDC 线性电源 linear power supply
电源消耗 The power	≤10W

◇行业首创自动人手感应专利技术，话筒离开人手静止3-5秒自动静音(任意方向，任意角度放置均可)，5分钟后自动节能，30分钟后自动关彻底切断电源，是一款全新概念的智能化、自动化无线麦克风

◇全新的音频电路构架，高音细腻，中低频强劲，特别是在声音的细节上具有完美的表现力。超强的动态跟踪能力使得远/近距离拾音收放自如。

◇UHF频段，锁相环(PLL)频率合成

◇100x2个信道，信道间隔250KHz

◇超外差二次变频设计，具备极高的接收灵敏度

◇麦克风使用易购的5号电池，续用时间达6-10小时

◇麦克风采用独特的升压设计，电池电量下降不影响手咪整体性能

◇理想环境操作半径达80米，适用于各种要求场合

◇具备可调发射功率和可调静音门限，接收机后面板设外置静音控制旋钮，可根据需要在10米-80米之间灵活设置有效操作半径

◇具备红外自动对频功能，可使麦克风快速同步到接收机的工作信道

◇Industry automatic induction hand patent technology, microphone left hand rest 3-5 seconds automatically mute (any direction, any Angle placed all but), automatic energy saving after 5 minutes, 30 minutes and automatic shutdown completely cut off the power, is a new The concept of intelligent, automated wireless microphone

◇New audio circuit structure, high is exquisite, the low frequency is strong, especially on the details of sound with perfect performance

◇Force. Super dynamic tracking ability makes far/near distance easy pick up charge.

◇UHF frequency band, phase-locked loop (PLL) frequency synthesis

◇100 x 2 channel, channel spacing 250 KHZ

◇Mixer super-heterodyne secondary frequency conversion design, have extremely high receiving sensitivity

◇The microphone using tesco 5 batteries, with up to 6-10 hours

◇Mixer microphone USES the unique design of booster battery down does not affect the hand cannot overall performance

◇Ideal environment for operating radius of 80 meters, suitable for all kinds of requirements

◇Pieces have adjustable adjustable transmission power and noise threshold, after receiver panel is set external noise control knob, can according to need in 10 m - 80 m between flexible setup effective radius of operation

◇Pieces have ir automatic frequency function, can make the microphone to work fast synchronization and receiver channel



DX



音箱处理器

为了更能与音箱配合，发挥最理想，最快捷的控制效果，我司最新开发研制的40bit比特，带PC控制软件，可实时同步控制音箱的控制器DX系列，终于投入市场，使我们的音箱可以发挥更加完美理想的效果。我们在面板上，设置快速一键呼出功能菜单键，使一些经常需要修改的参数如音量Volume,均衡器EQ,分频设置Crossover,压限器Limiter,输入信道Input Channel,主系统参量System等，使用户在没有PC控制的情况之下，也可以轻松，快捷的进行参数修改。

DX音箱处理器，为适应不同场合使用要求，设计出不同场合使用配置。DX360 3路输入(左|右+中置或超低频信道)2或3分频输出。DX480 4路输入，8路输出适合大型演出及分组控制系统。

除了有多种不同配置之外，如果配合专用PC计算机控制软件可使DX系列功能更为强劲、快捷、完善，使您的专业音乐系统更能发挥至完美的境界。

The DX series is a digital loudspeaker management system designed for the touring or fixed sound installation markets. The absolute latest in available technology is utilized with 32-bit (40-bit floating point) processors and high performance 24-bit Analog Converters. The high-bit DSP prevents noise and distortion induced by truncation errors of the commonly used 24-bit fixed-point devices. A complete set of parameters include I/O levels, delay, polarity, 6 bands of parametric EQ per channel, multiple crossover selections and full function limiters. Precise frequency control is achieved with its 1 Hz resolution. Inputs and outputs can be routed in multiple configurations to meet any requirement. The DX series can be controlled or configured in real time on the front panel or with the intuitive PC GUI accessed via the USB or RS485. Software upgrade for CPU and DSP via PC keeps the device current with newly developed algorithms and functions once available. Multiple setup storage and system security complete this professional package.



PROFESSIONAL CONTROLLER

DX-360



项目	参数	数值
输入和输出 Inputs and Outputs	输入阻抗 Input Impedance	>10K Ω
	输出阻抗 Output Impedance	50 Ω
	最大电平 Maximum Level	+12dBu
	类型 Type	电子平衡式 Electronically balanced
音频性能 Audio Performance	频率响应 Frequency Response	+/-0.1dB (20~20kHz)
	动态范围 Dynamic Range	115dB
	共模抑制CMMR	>60dB (50~10kHz)
	串音 Crosstalk	<-100dB
数字部分性能 Digital Audio Performance	失真 Distortion	0.002% (1kHz @+4dBz)
	处理器 Processor	32比特 (可扩展至40比特) 32-bit (40-bit floating point)
	采样频率 Sampling Rate	96kHz
	数模转换 Analog Converters	24-bit
	内部延时 Propagation Delay:	1.5ms

前面板控制 Front Panel Controls	显示屏 Display	4行x32字符的背光式液晶显示器 4 x 32 Character Backlit LCD
	电平指示 Level Meters	5段LED 5 segment LED
	控制键 Buttons	静音键 (编辑键) /菜单键/参量控制轮/控制键 Mute/Edit Controls, One Touch Menu Controls, 4 Ways Menu Controls, Dial Encoder; Embedded Thumb Wheel
接口 Connectors	音频 Audio	3针卡农 3-pin XLR
	RS485	RJ45
	USB	Type B
	电源 Power	IEC标准电源插座 Standard IEC Socket
处理性能 Audio Control Parameters	增益 Gain	-40~+12dB, 0.1dB步进 -40 to +12dB in 0.1dB steps
	极性 Polarity	+/-
	延时 Delay	每通道0~1000ms, 21us步进 Up to 1000ms per I/O
	均衡器数量 Parametric Equalizers	每通道6个6 per I/O
	均衡类型 Type	参量, Hi-shelf, Lo-shelf Parametric, Hi-shelf, Lo-shelf
	均衡增益 Gain	-30~+15dB, 0.1dB步进 -30 to +15dB in 0.1dB steps
	均衡带宽 Bandwidth	0.05~3 octaves (Q=0.404~28.852)
分频滤波器 Crossover Filters	每个输出通道两个 (高通、低通) 2 per Input / Output)	

处理性能 Audio Control Parameters	滤波器类型 Filter Types	Butterworth, Bessel, Linkwitz Riley
	滤波器斜率 Slopes	12~48dB/Oct
	输出限幅器门限 Limiters Threshold	-20~+20dBu
	输出限幅器启动时间 Attack	0.1~100ms
	输出限幅器恢复时间 Release	4~48倍于启动时间 4 to 48x the attack time
系统参数 System Parameters	程式储存 No. of Programs	30 (工程方式10个, 用户程式20个) 30, (10 factory programs and 20 user define)
	程式名称 Program Names	最长15个字符15 character length
	通道延时显示方式 Delay Units	ms, ft, cm
	频率步进 Frequency Modes	36steps/Oct或1Hz
	系统锁定 Security Lock	6位密码 Lock/Unlock (6 number)
	通道恢复 Copy channels	所有参数同时复制 (通过电脑软件) All parameters (with PC software)
	通道名称 Channel Names	6个字符6 character length
其他 Other	电源 Power	115/230v (50-60Hz)
	体积 Dimensions	483x44x229mm
	重量 Weight	3.2kg



DX-480



项目	参数	数值
输入和输出 Inputs and Outputs	输入阻抗 Input Impedance	>10KΩ
	输出阻抗 Output Impedance	50Ω
	最大电平 Maximum Level	+12dBu
	类型 Type	电子平衡式 Electronically balanced
音频性能 Audio Performance	频率响应 Frequency Response	+/-0.1dB (20~20kHz)
	动态范围 Dynamic Range	115dB
	共模抑制CMMR	>60dB (50~10kHz)
	串音 Crosstalk	<-100dB
数字部分性能 Digital Audio Performance	失真 Distortion	0.002% (1kHz @+4dBz)
	处理器 Processor	32比特 (可扩展至40比特) 32-bit (40-bit floating point)
	采样频率 Sampling Rate	96kHz
	数模转换 Analog Converters	24-bit
	内部延时 Propagation Delay:	1.5ms

前面板控制 Front Panel Controls	显示屏 Display	4行x32字符的背光式液晶显示器 4 x 32 Character Backlit LCD
	电平指示 Level Meters	5段LED 5 segment LED
	控制键 Buttons	静音键 (编辑键) / 菜单键 / 参量控制轮 / 控制键 Mute/Edit Controls, One Touch Menu Controls, 4 Ways Menu Controls, Dial Encoder, Embedded Thumb Wheel
接口 Connectors	音频 Audio	3针卡农 3-pin XLR
	RS485	RJ45
	USB	Type B
处理性能 Audio Control Parameters	电源 Power	IEC标准电源插座 Standard IEC Socket
	增益 Gain	-40~+12dB, 0.1dB步进 -40 to +12dB in 0.1dB steps
	极性 Polarity	+/-
	延时 Delay	每通道0~1000ms, 21us步进 Up to 1000ms per I/O
	均衡器数量 Parametric Equalizers	每通道6个6 per I/O
	均衡器类型 Type	参量, Hi-shelf, Lo-shelf Parametric, Hi-shelf, Lo-shelf
	均衡增益 Gain	-30~+15dB, 0.1dB步进 -30 to +15dB in 0.1dB steps
	均衡带宽 Bandwidth	0.05~3 octaves (Q=0.404~28.852)
分频滤波器 Crossover Filters	每个输出通道两个 (高通、低通) 2 per Input / Output)	

处理性能 Audio Control Parameters	滤波器类型 Filter Types	Butterworth, Bessel, Linkwitz Riley
	滤波器斜率 Slopes	12~48dB/Oct
	输出限幅器门限 Limiters Threshold	-20~+20dBu
	输出限幅器启动时间 Attack	0.3~100ms
系统参数 System Parameters	输出限幅器恢复时间 Release	2~32倍于启动时间 2 to 32X the attack time
	程式储存 No. of Programs	30 (工程方式10个, 用户程式20个) 30, (10 factory programs and 20 user define)
	程式名称 Program Names	最长15个字符 15 character length
	通道延时显示方式 Delay Units	ms, ft, cm
其他 Other	频率步进 Frequency Modes	36steps/Oct或1Hz
	系统锁定 Security Lock	6位密码 Lock/Unlock (6 number)
	通道恢复 Copy channels	所有参数同时复制 (通过电脑软件) All parameters (with PC software)
	通道名称 Channel Names	6个字符6 character length
	电源 Power	115/230v (50-60Hz)
	体积 Dimensions	483x44x229mm
	重量 Weight	3.2kg

MASU[®]
Sound
英国玛素

PROFESSIONAL CONTROLLER

MS-809



- ◇ 一输入.八输出
- ◇ 1秒的延迟装置保护整个系统的安全
- ◇ 每个信道的电流最大流量为20安
- ◇ 面板调节装置及指示灯装置方便使用
- ◇ 为意外情况而设的紧急按钮
- ◇ 8组AC电源开关

- ◇ Power distribution is made into 8 ways from the same output.
- ◇ Every power group possesses automatic decay of 1 second with the purpose of protecting the equipment under control and ensuring the whole system to operate stably.
- ◇ The maximum current to supply of every separate sub-group can reach 20 ampere to meet the demand of equipment and facilities with large power " Installed on the panel are main power switch and front and rear retractable light for the convenience of site use .
- ◇ The emergency button is equipped for emergent incident .
- ◇ 8 groups AC power socketcontrolled by switch are equipped..

输出电压 Output voltage	220AV 50Hz
输出电流 Output current	20A
控制电压 Control voltage	8
延迟时间 Delay time	1秒
指示灯电压 indicator light pressure	2x1.2V
指示灯功率 indicator light power	2x1.2W