To build the world first-class brand

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Professional sound system of theater

Description

The theater is mainly used for symphony concerts, folk concerts, chorus, concert performances; opera, dance, drama and ballet performances; various types of arts, technical events and lectures. Also it used in concert performances, large banquet, singing and dancing evening performances, live broadcast and recorded broadcast of various literary and artistic programs by TV stations and radio stations. itc specializes in designing professional theater sound reinforcement systems for theaters to meet various needs.

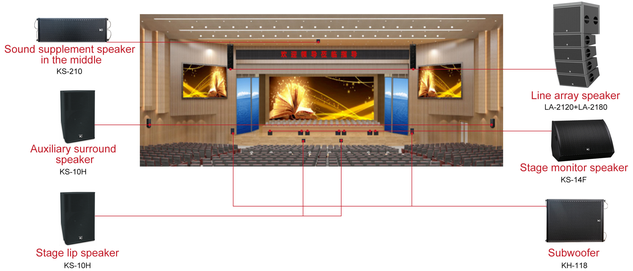
Professional sound system of Lecture Hall

Description

The lecture hall is mainly used for holding various report meetings, speeches, academic exchanges, presentations and performances, multimedia teaching and training, watching

Instructional videos, etc. The lecture hall solution needs to provide excellent sound quality, clear screen display and simple and convenient centralized control.

Itc Professional sound system for lecture hall strives to present perfect sound effects and increase the appeal of event reporting.



Professional sound system of Cinema

Cinema speaker

- High sound quality restores the original sound of the movie
- Independent horn unit with adjustable pointing angle
- Precise crossover design to perfectly reproduce the expressiveness of the mid-frequency
- Low-distortion waveguide technology ensures film HD dialogue

Deep bass, immersive experience

- Full-frequency speakers with low frequency down to 40Hz
- Subwoofer with low frequency down to 33Hz
- Applicable in various types of theaters, and various high-end audio-visual applications

Professional sound system of KTV/BAR/CLUB

KT series entertainment speaker

Wide frequency response and excellent sound quality

- High performance passive two-way speaker for various high-end entertainment venues with fixed installations.
- High-power speaker units and lightweight cabinets achieve good rigidity and high internal resistance.
- Smooth frequency response curve, wide frequency extension and good vocal processing, full low frequency.

Continuous high dynamics, high sound pressure level

- 1.5/1.75 inch neodymium magnetic precision high frequency driver with delicate treble
- 12-inch bass, wide dynamic range

Solid and clear sound

- The low frequency of woofer is down to 35Hz, which is deep and rich
- Accurate analysis of vocals, full mid-frequency and clear layers
- Applicable to various high-end bars, KTV, party rooms and other entertainment venues

itc Audiovisual

Professional Sound Equipment

Hifi Sound Expresses Your Attitude Precisely

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High-end 2-Channel Digital Professional Amplifier TC-21000/TC-21200/TC-22000/TC-23000

Features

- The adaptive variable modulation frequency and automatic stabilization technology of the digital power amplifier ensure the working stability of the amplifier.
- Multi-track audio loop technology is precisely adjusted to reduce audio distortion, allowing the amplifier to have ultra-high dynamic range, frequency response, and transient response for a better listening experience.
- The audio output adaptive load power control technology enhances the amplifier's ability to control the load and can adapt to various complex load environments, regardless of whether the load is resistive, capacitive, or inductive, with better compatibility.
- Using switching power supply adaptive dynamic power efficient conversion technology and multi-channel status detection automatic power adjustment technology, this series of power amplifiers have ultra-high efficiency of more than 95% and excellent stability.
- Comprehensive protection circuit: over-voltage protection, under-voltage protection, over-current protection, output short-circuit protection, temperature pressure limit, signal pressure limit, automatic temperature control fan and other functions, which greatly improves the stability and reliability of the power amplifier.

Model	TC-21000	TC-21200	TC-22000	TC-23000
Stereo 8Ω	2*1300W	2*1800W	2*2000W	2x3000W
Stereo 4Ω	2*2600W	2*3400W	2*3900W	2x5100W
Stereo 2Ω	2*4350W	2*4800W	2*5800W	2x7100W
Bridged 16Ω	3000W	3600W	4000W	6000W
Bridge 8Ω	5100W	6500W	7800W	10200W
Bridge 4Ω	8400W	9000W	11600W	14280W
Connecting socket	XLR interface	XLR interface		
Voltage gain (@1KHz)	39dB	41dB	41dB、38dB、35dB、32dB	
Input sensitivity	2.2dBU(1V)、8.2dBU(2V)			
Input resistance	10KΩ unbalanced, 20KΩ balanced			

High-end 4-Channel Digital Professional Amplifier TC-4700/TC-4500/TC-41500

Features

- Built-in four-channel 4*500W/4*700W professional switched power supply digital amplifier;
- Support DC, short circuit, overload and overheat protection;
- The panel is designed with signal (green), clip (orange), protection (red), power indicator (blue);
- Support XLR balanced input; SPEAKON audio socket output;
- Support signal, power, temperature and other voltage limiting functions;
- Support optional three modes: MONO/STEREO/BRIDGE;
- Support optional 1V/2V sensitivity;
- With a temperature-controlled fan, it rotates as soon as it is turned on; the fan accelerates as the temperature rises, and reaches full speed at about 60℃;
- Super load capacity: support 8 ohms, 4 ohms, minimum 2 ohms.
- TC-41500 is available

Model	TC-4500	TC-4700
Output power (1KHz/THD≤1%)	Stereo 8Ω: 4*500W, 4Ω: 4*800W, 2Ω: 4*1300W; Bridge 16Ω: 2*1000W; 8Ω: 2*1600W; 4Ω: 2*2600W	Stereo 8Ω: 4*700W, 4Ω: 4*1200W; 2Ω: 4*2250W; Bridge 16Ω: 2*1400W; 8Ω: 2*2400W; 4Ω: 2*4500W
Connector	XLR interface	XLR interface
Voltage gain (@1KHz)	36dB	37.5dB
Input sensitivity	2.2dBU(1V), 8.2dBU(2V)	2.2dBU (1V), 8.2dBU (2V)
Input impedance	10KΩ unbalanced, 20KΩ balanced	10KΩ unbalanced, 20KΩ balanced
Frequency response (@1W power)	20-20KHz/±1dB	20-20KHz/±1dB
THD+N (@1/8 power)	≤0.01%	≤0.01%
SNR (A-weighted)	≥102dB	≥102dB
Damping coefficient (@1KHz)	≥200@ 8 ohms	≥200@8ohms
Resolution (@1KHz)	≥85dB	≥85dB
Protection method	Over-voltage protection, under-voltage protection, over-current protection, DC protection, short circuit protection	
Indicator light	Power, Fault, Clip, Signal	Power, Protection, Signal, Distortion
Cooling method	Fan cooling	Fan cooling
Power supply	~ 220 50Hz	~220 50Hz
Maximum power consumption	2500W	3200W
Dimension (L×W×H)	484×353×44mm	483×353×44mm
Weight	7.8kg	8kg

* This power is measured using a 20ms pulsed 1kHz sine wave at 1% total harmonic distortion.

High-end 4-Channel Dante + DSP Ecological Network Digital Professional TC-4500DT /TC-4700DT /TC-41500DT

Features

- Standard 19-inch cabinet design with a height of 2U;
- Adopt high-efficiency PFC + switched power supply + class D digital amplifier, providing extremely low output distortion and high efficiency;
- Adopt high-end DSP processor, built-in compressor, limiter, FIR processor, noise gate, parametric equalizer, matrix router, delayer, high and low pass processing and other DSP functions;
- Support various working modes: stereo and bridge connection, support free switching between bridge and matrix mode, the simple interface is more convenient for different users;
- Constant voltage and constant resistance: 100V, 70V, 16Ω, 8Ω, 4Ω;
- The input sensitivity is adjustable: 2dBu/6dBu/12dBu, set through PC software or LCD screen;
- Support DANTE network transmission protocol, low-latency DANTE network audio transmission, 4 sending channels, 4 receiving channels, network audio extension.

Model	TC-4500DT	TC-4700DT	TC-41500DT
Output power (20-20KHz/THD≤1%)	Stereo/Matrix@8Ω×4: 500W×4	Stereo/Matrix 8Ω×4: 700W×4	Stereo/Matrix 8Ω×4: 1500W×4
	Stereo/Matrix@4Ω×4: 700W×4	Stereo/Matrix 4Ω×4: 1000W×4	Stereo/Matrix 4Ω×4: 2000W×4
	Bridge@16Ω×2: 1000W×2	Bridge 16Ω×2: 1400W×2	Bridge 16Ω×2: 2000W×2
	Bridge @8Ω×2: 1400W×2	Bridge 8Ω×2: 2000W×2	Bridge 8Ω×2: 4000W×2
	Bridge constant voltage 100V@10Ω: 1000W×2	Bridge constant voltage 100V@6.6Ω: 1500W×2 Constant voltage 70V@6.1Ω: 800W×4	Constant voltage 70V@5Ω:1000W×4 Constant voltage 100V@5Ω:2000W×2
Connecting interface	XLR, DANTE interface	XLR, DANTE interface	XLR, DANTE interface
Input sensitivity	2dBu/6dBu/12dBu	2dBu/6dBu/12dBu	2dBu/6dBu/12dBu
Input resistance	20kΩ balanced	20kΩ balanced	20kΩ balanced
Frequency response	20Hz-20KHz /+1/-1dB	20Hz-20KHz /+1/-1dB	20Hz-20kHz /+1/-1dB

High-end Professional Speaker TK-M10/TK-M12/TK-M15

Features

- Adopt a 10" neodymium magnetic mid-woofer and a 44mm compressed neodymium magnetic tweeter.
- 15mm birch housing, light weight, wear-resistant paint treatment outside, and dust-proof net cotton inside.
- Frequency divider in precise design optimizes power response and vocal mid-frequency performance.
- Multiple screw hoisting holes, a pole socket with a diameter of 35mm, various installation methods.

Model	TK-M10	TK-M12	TK-M15
Impedance	8Ω	8Ω	8Ω
Frequency response	45Hz-20kHz	45Hz-20kHz	40Hz-20kHz
Rated power	300W	400W	500W
Peak power	1200W	1600W	2000W
Sensitivity	98dB/W/m	99dB/W/m	100dB/W/m
Max SPL(rated/peak)	123dB/129dB	125dB/131dB	127dB/133dB
Coverage angle	(H)90°(V)70°	(H)90°(V)70°	(H)90°(V)70°
Size	510×315×290mm	600×375×390mm	680×440×440mm
Weight	13.6kg	19.4kg	26kg

High-end Professional Full Range Speaker TS-710H/TS-712H/TS-715H

Features

- Use a 10" mid-woofer unit and a 1.7" compressed tweeter unit.
- 15mm birch housing, light weight, high-grade transparent paint treatment, and dust-proof mesh cloth outside.
- The frequency divider in precise design optimizes power response and the medium frequency performance of the vocal.
- Multiple screw hoisting holes, a pole socket with a diameter of 35mm, various installation methods.

Model	KP-710H	KP-712H	KP-715H
Impedance	8Ω		
Frequency response	45Hz-20KHz		
Rated power	300W	400W	500W
Peak power	1200W	1600W	2000W
Sensitivity	98dB/W/M	99dB/W/M	100dB/W/M
Max SPL(rated/peak)	123dB/129dB	125dB/131dB	127dB/133dB
Coverage angle	(H)90° (V)80°		
Tweeter	1.7" compressed tweeter unit ×1		
Woofer	10" woofer ×1	12" woofer×1	15" woofer ×1
Dimension(H×W×D)	530×360×360mm	615×380×410mm	670×440×470mm
Weight	18.5Kg	23.6Kg	26.5Kg

High-end Line Array Full Range Speaker KS-210/KS-S218

Features

KS-210

- Adopt two 10-inch neodymium magnet woofers, two 8-inch ferrite woofers, and one Italian imported 100mm+65mm neodymium magnet coaxial compression driven mid-tweeter.
- The cabinet is made of high-quality imported birch wood, adopts precise CNC machining, polyurea spray paint, high-end and wear-resistant.
- Support full-band directivity control, the horizontal 800-16KHz direction is controlled by the linear sound source waveguide, and the 100-800Hz direction is controlled by two 8-inch woofers to form a cardioid structure.

KS-218

- Adopt two 18-inch ferrite subwoofers.
- The cabinet is made of 18mm imported birch; the surface adopts polyurea paint treatment, high-end and wear-resistant.
- Push-pull six-order band-pass structure, minimized volume, with hanging parts, support hanging and stacking installation; used with linear array main full-range speakers to form a linear array.

Portable Active Column Speaker KS-12A25/KS-12A35/KS-15A35

Features

- Adopt one 12-inch woofer and eight 3.5-inch mid tweeters./Adopt 1 15-inch woofer, 8 3.5-inch mid-treble driver composition;
- The woofer is made of 15mm birch plywood; the column speaker is made of 9mm birch plywood; the surface is sand-sprayed, wear-resistant and high-grade.
- Active portable linear array speaker system contains powerful sound effect, portability, easy installation, high sound pressure level and a wide low frequency range.
- The integrated woofer adopts a band-pass dual inverted design to provide the powerful bass effect; the mid tweeter adopts a phase plug line sound source design, while avoiding the bulky shape.

Model	KS-12A25	KS-12A35	KS-15A35
Rated power	400W+400W	600W+600W	
Peak power	1600W+1600W	2400W+ 2400W	
Crossover frequency	4th/200Hz, DSP electronic frequency division		
Frequency range	38 Hz-20KHz	40Hz-20KHz	38Hz -20KHz
Maximum SPL (rated/peak)	117dB/123dB	122dB/128dB	124dB / 1 30dB
Voltage input	AC 220V 50Hz-60Hz	AC 220V 50Hz-60Hz	
Coverage	120° (H) 40° (V)	140° (H) 40° (V)	
Total height	2000 (mm)	2120mm	

High-end Professional Three-frequency Coaxial Monitor speaker KS-14F

Features

- Adopt a 14-inch coaxial woofer and a 100mm+65mm Italian imported neodymium magnetic coaxial compression driven mid-tweeter.
- The cabinet is made of high-quality imported birch wood, adopts precise CNC machining, polyurea spray paint, high-end and wear-resistant.
- With hanging parts, it can realize the function of stage sound monitoring.
- Support directional control with a wider frequency band; the 800-16KHz horizontal and vertical directions are controlled by the point sound source horn.

Model	KS-14F
Rated power	500W
Peak power	2000W
Nominal impedance	8Ω
Frequency range	60Hz-20KHz
Sensitivity	104dB(1M/1W)
Maximum SPL (rated/peak)	131dB/137dB
Woofer	14" woofer × 1
Tweeter	100mm+65mm coaxial mid-tweeter × 1
Coverage angle (-6dB)	75°(H) 40°(V)
Net weight	26kg
Dimension (H×W×D)	420×580×480mm

Digital Audio Processor TS-P260D/TS-P480D/TS-P880D/TS-P1212D/TS-P1616D

Features

- High-performance 64-bit DSP processor (800M main frequency), 32-bit/48KHz AD/DA, professional DSP processing, providing excellent high-quality sound.
- Support 4 in 4 out audio matrix function, support touch screen for 4X4 arbitrary matrix switching and mixing output, the input sensitivity can be adjusted according to different audio sources. Each input supports 48V phantom power supply, which can be individually configured to be turned on and off, flexible and convenient.
- Support the ducker function, which is used for background music to automatically duck the microphone to speak, and provide a variety of parameter settings, which is convenient for flexible use on site.
- Support the automatic gain function of the microphone, which is used to control the dynamic range of the pickup signal of the microphone to achieve consistent sound quality from far and near.

UHF Wireless Microphone T-592UH T-592UT T-592UV T-592UL T-592US T-592UW

Features

- Adopt unique digital U-band transmission technology, pi/4-DQPSK modulation mode, strong anti-interference ability, low bit error rate and stable transmission.
- A unique encryption method is used for audio transmission to ensure the security of meeting content.
- Adopt unique ID code pilot technology to prevent cross-frequency interference.
- Using high-reduction dynamic microphone core, professional sound cavity design, the sound quality presents natural and original sound.
- One-key frequency scanning to avoid interference; one-key infrared frequency matching, easy to operate.
- Support reverberation, treble/alto/bass adjustment.
- Designed with two balanced outputs and one unbalanced mixing output.

Digital Mixer TS -16PD-12

Features

- The professional operation panel consists of a 10.1-inch 1280×800 true color capacitive touch screen, digital encoder and dedicated buttons, which can quickly and easily perform all settings.
- It has 13 100mm motorized faders that can control all channels and main outputs: 1 LR master channel fader, 12 channel faders and 2 fader layers.
- Supports switching between Chinese and English interfaces without restarting.
- Built-in USB recording and playback functions. Able to identify Chinese and English song names in USB electronic disks, with functions such as fast forward, next song, quick pause, etc., very convenient for on-site operation; and supports playback of APE, ELAC, WP3, WAY lossless audio formats.
- The inputs have independent feedback suppressors, support gain-sharing automatic mixing, and have 2 DCA groups ,
- It has 2 built-in effects, including classic reverb, large room reverb and other effect modules; FX sound effects can be returned to the mix using a dedicated return channel and do not occupy the mono and stereo input channels.
- Supports full-function control of iPad touch screen and real-time data synchronization; supports simultaneous control of 8 terminals.
- ARM firmware and DSP firmware can be upgraded via the network or USB.