



Flow Immersion Sound Sound / light System

CONTENTS

CP32

Multipurpose Immersive Audio Processors

SK46

Adaptive Sound Field Processor

DX20 Series

20-way Compact Multi-track Recording Digital Mixer

DX32

Innovative Digital Mixing Console

FOCUS

Focus Series Active Coaxial Speaker

D8650M

3 in 1 Beam Light

D1810

4 in 1 Full-color Dyed
Handkerchief Lamp

Z1024

Control Panel

AL7

Audio Lighting Touring Stand

CP32

Multipurpose Immersive Audio Processors

The immersive sound processor is mainly used for immersive fixed installations such as immersive performances, gyms, studios, multifunctional halls, theme parks, museums, large staircase classrooms, outdoor immersive sound concerts,

It features the advanced HOA immersive sound algorithm and a world-leading solution, based on mature and efficient transmission compression codecs, and market-proven patents. Its technology leads the world in the calibration algorithm for acoustic space.

In response to the sound quality loss caused by compression coding, an innovative method is adopted to perform model reverse learning on the high frequency harmonics and middle and low frequency sampling values lost by the algorithm. We use the reverse convolution of NPU to achieve precise playback of the original sound and support multi-channel surround sound and immersive sound encoding. The implementation technology of multi-channel surround sound is based on VBAP (vector-base amplitude panning) and VBAP3D, and we have added HOA (High-order algorithms) to support high-precision sound field reproduction of 7-order 64-channel.

CP32

Multipurpose Immersive Audio Processors



CP32

Functional Parameters

Sound field reconstruction algorithm

HOA

Sound field restoration accuracy

supports 7-order 64 channels

Total system delay

< 0.3ms

Multi channel digital transmission protocol

AES67 MILAN

Complies with ITU/SMPTE IMMERSIVE AUDIO international standard
st2098-1-2018 / st2098-2-2019 / st2098-5-2018 / st2109-2019

Compliant with ITU BS2127 3Daudio. ATSC (Advanced Television Systems Committee) A/342. AC4 international standards, which are compatible with Dolby and MPEG-H

Supports up and down compatibility for multiple formats such as stereo, 5.1 / 7.1 / 5.1.2 / 5.1.4 / 7.1.2 / 7.1.4, etc

For most domestic application scenarios, relevant standards such as theaters have been optimized

SK46

Adaptive Sound Field Processor

AI Intelligent Tuner



4096
Higher order FIR



Powerful FPGA
Core Computing



4-channel input
6-channel output



0.25ms
ultra-low latency



Wireless Remote
Management



Standardized Networks
protocol connection

SK46 ADAPTIVE SOUND FIELD CONTROLLER is aimed at solving the problem of professional sound reinforcement system applications, electronic acoustics and physical acoustics interact with each other under the influence of bad hearing. It is a breakthrough, innovative high-tech products in the field of professional audio processing.

SK46 Adaptive Sound Field Controller is based on the world's leading audio R & D platform, the product uses FPGA algorithms to achieve the first 4096 high-order real-time FIR acoustic phase calibration controllers, efficiently solving the system delay due to the traditional DSP audio processing mode of the impact of the transmission of sound quality to achieve the ultra-clear sampling, high-order computing, accurate calibration of the three-dimensional standard, thereby optimizing the effect of the scene sound reinforcement, so that the sound really achieve what you see is what you get, with SK46 Adaptive Sound Field Controller, the sound quality of an immediate upgrade!

Technical Parameters

SK46 Adaptive Sound Field Processor Parameters

Analog input	4 x XLR (left and right channels), + 24dBumax
Analog output	6 x XLR (L+R; Subwoofer + Bass + MF + HF), + 24dBu max
D/A converter	Dynamic range: 120cb THD+N: -107dB
A/D converter	Dynamic range: 120cb THD+N: -110dB
Sampling rate	44.1, 48, 88.2, 96, 176.4, 192(kHz)
Electrical specifications	AC universal input: ~95-245V; power consumption: 20Wmax

M480 Measure the Parameters of Microphone

Type	electret condenser microphone
Microphone diameter	1/4"(7mm)
Sound pickup method	Omni
Sensitivity	30mv/Pa
Frequency response	20Hz-20kHz
Max SPL	130dB
Equilibrium noise level	<30dBA
Output impedance	<600Ohm
Power supply	48V phantom power



DX20 Series (Optional)

20-way Compact Multi-track Recording Digital Mixer

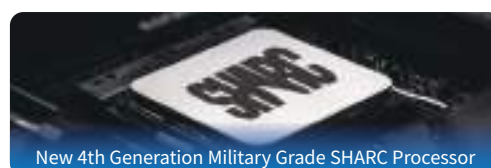
DX20

DX20-USB

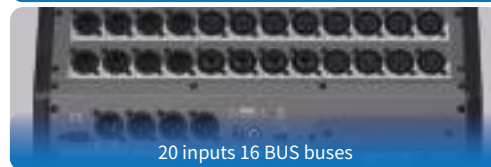
DX20-LAN



- Built-in fourth-generation 40-bit SHARC floating-point processor, 24bit, 48kHz modular, digital-to-analog conversion and 8 effects, with reverberation, delay, modulation and GEQ.
- (20 input channels) 16 professional microphones and 2 stereo and professional digital signal input ports, 16 bus contains 8 custom analog and digital output ports.
- Provide users with basic version/multi-track recording version/network transmission version of a variety of configuration options, while DX20 is installed with two USB interfaces for playback, recording, scene storage.
- DX20 is equipped with 7-inch Android driven HD touch screen, WIFI wireless control, with 9 100mm electric faders to adjust parameters, intuitive control.



New 4th Generation Military Grade SHARC Processor



20 inputs 16 BUS buses



7" color HD touch screen



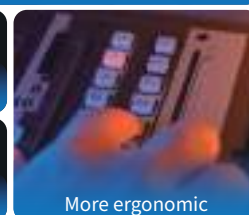
"8+1" 100mm electric motor faders



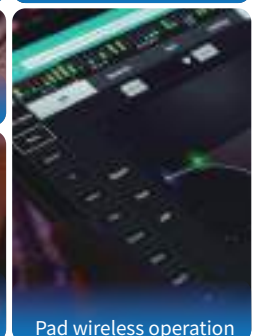
USB multi-track recording expansion card



LAN multitrack network transmission expansion card



More ergonomic



Pad wireless operation

DX20 Series

20-way Compact Multi-track Recording Digital Mixer

The DX20 digital mixer is a full-featured compact product from Soundking to enter the digital mixer market. It cleverly combines the operating concepts of modern digital mixers and traditional mixers, integrating the advantages of high-end hardware touch slide control and Pad tablet remote control.

Technical Parameters

Input channel	20	
BUS	16	
Master stereo bus	1	
DCA group	6	
Mute group	2	
User-defined key	Support	
User-defined layer	Support	
Sampling rate	24bit/48 kHz	
Display	7" touch screen	
Effect	8	
Fader	8 x 100mm channel, 1 x 100mm master control	
Microphone amplifier	16-channel Class-A analog amplifier	
I/O interface	Local mic input	12 x XLR + 4 x COMBO
	Local input-digital	1 x stereo S/PDIF
	Local output	8 x XLR
	Local output-digital	1 x AES/EBU
	Monitor output	2 x XLR
	Headphone	1 x 1/4' TRS
	Central control RS485 port	Support
	Extension card slot	Support: USB audio port、digital network multi-track transmit

DX32 (Optional)

Innovative Digital Mixing Console

Four Specifications

DX3232 32 IN / 16 OUT

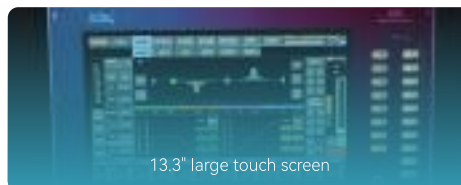
DX3224 24 IN / 8 OUT

DX3216 16 IN / 14 OUT

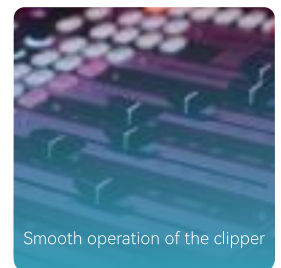
DX3208 8 IN / 8 OUT



The DX32 Innovative Digital Mixing Console combines 32 mono inputs with a 4FX+12BUS+6MTX stereo bus system and M+C+LR main outputs, driven by dual SHARC+ DSP cores for 96kHz floating-point processing and pro-grade AD/DA conversion. Its auto-delay management ensures phase coherence, while the 13.3" touchscreen and physical controls optimize workflow. Featuring DLink-compatible expansion, lightweight metal construction, and HTML5 remote control, this portable system delivers studio-quality audio with multi-device connectivity for professional live and studio applications.



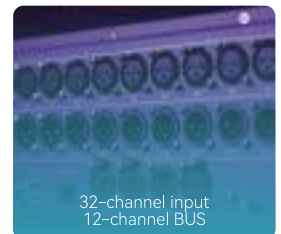
13.3" large touch screen



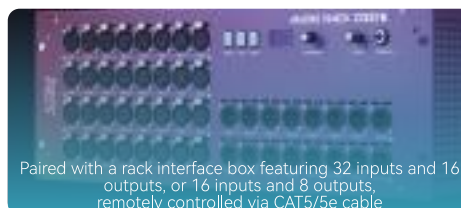
Smooth operation of the clipper



AUTO automatic mixing: Supports 2 groups, with a maximum of 32 channels for customization



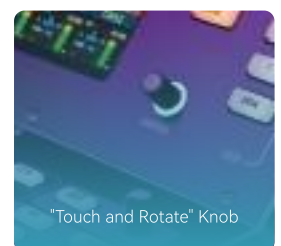
32-channel input
12-channel BUS



Paired with a rack interface box featuring 32 inputs and 16 outputs, or 16 inputs and 8 outputs, remotely controlled via CAT5/5e cable



AES1616 expansion card (AES67)
16 channels with bidirectional input/output at 48kHz



"Touch and Rotate" Knob

DX32

Innovative Digital Mixing Console

Technical Parameters

Model	DX3232	DX3224	DX3216	DX3208
Max Input Channels		32 x Mono		
FX Bus Channels		4 x Stereo		
Bus Output Channels		12 x Stereo		
Matrix Output Channels		6 x Stereo		
Main Output Channels		Configurable as: LCR or LR+Mono		
Solo Monitor Channels		1 x Stereo		
Solo Phones Channels		1 x Stereo		
Automixer		Supports 2 groups, Max 32 ch custom		
Built-in FX Plugins		12 x Stereo FX Slots (Delay, Reverb, Mod) (Custom)		
Sample Rate		96kHz / 48kHz		
Display		13.3" Touchscreen		
Scene Memory		Yes		
Memory Bank		Yes		
Mute Group		6		
DCA Group		6		
USB Player		MP3 / WAV Playback		
Signal Routing		I/O Signal Routing		
User		Custom: Ch Name, Color, Layer, Keys, Bus, FX		
Faders		13 x Faders		
Physical Knobs		13 Knobs (Quick GAIN / PAN / BAL / Param)		
Custom Keys		9 x Custom Keys		
Custom Layer		2 x Custom Layers		
Local Microphone Input	24 x XLR + 8Combo	16 x XLR + 8Combo	16 x XLR	8 Combo
Local Line Inputs	/	/	2 x TRS (6.35mm) + 1 x TRS (3.5mm) Stereo	/
Local Analog Outputs	16 x XLR	8 x XLR	14 x XLR	8 x XLR
Phones Outputs		1 x 6.35Jacks		
Local Inputs-Digital		1 x XLR AES / EBU		
Local Outputs-Digital		1 x XLR AES / EBU		
Digital Stagebox	2 x D-Link (lockable RJ45 connector supporting Digital Stage Box D3216 / D1608)			
USB		3 x USB Type-A		
LAN (Ethernet)		1 x RJ-45 1000M		
GPIO Control		RS485 Support		
Expansion Slots		1 Slot (USB1616 / AES1616 Compatible)		
Remote Control		Web Remote (Cross-Platform)		
19" Rack Mount		Yes		

FOCUS

Focus Series Active Coaxial Speaker

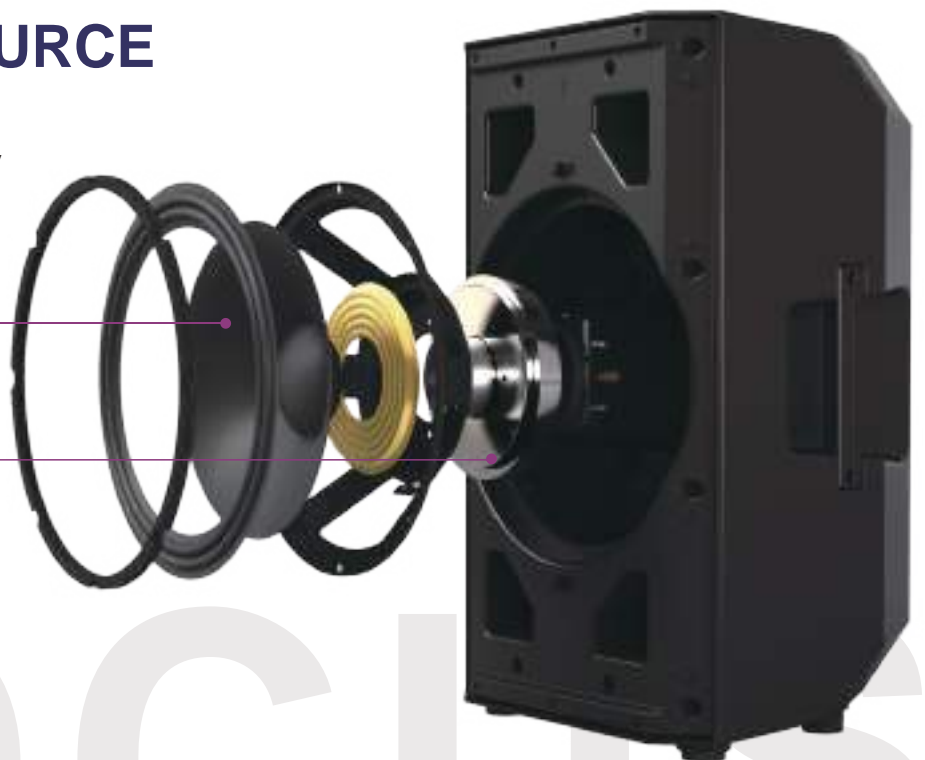
Soundking Focus series active coaxial speakers integrate the latest electroacoustic and electronic design, and use the point-source sound reinforcement method. It is a competitive product of Soundking Company with high cost performance. The chassis adopts ferrite magnetic circuit design and new high temperature resistant materials to ensure excellent heat dissipation capability at high power output. The tweeter adopts the compressed driving driver and AL diaphragm, with bright voice and strong penetration. The cabinet adopts reinforced polypropylene engineering plastic injection molding, which is compact and light in design, and is equipped with a handle for easy handling. The overall appearance is elegant and exquisite. The cabinet side is designed with a 45 ° bevel angle, which makes it usable as a monitor speaker. It supports fixed installation (35mm bracket hole) and flying (5 M10 flying points), and the double hole tray can be adjusted between 0 ° and 7.5 °. This series of speakers also features a wide power supply design, suitable for global power supply.

TRUE POINT SOURCE

Two-center coaxial point source
Driver unit with consistent directionality

Two drive units are completely
combined into one

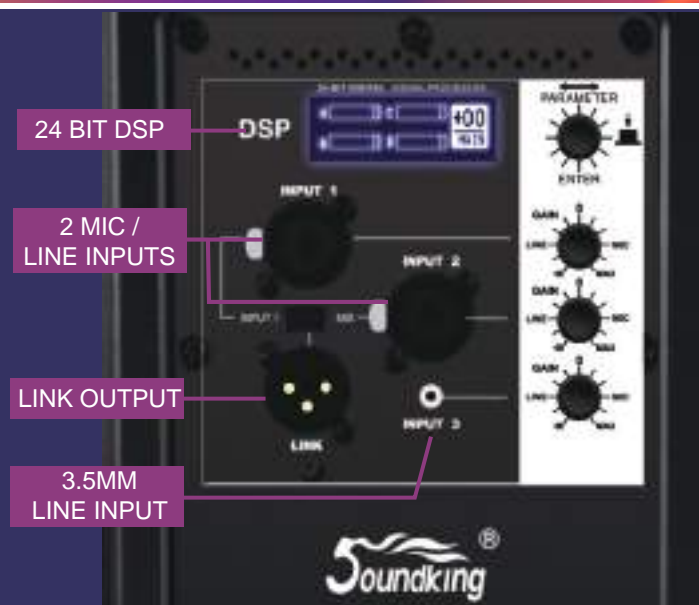
Sound energy spreads out from
the same point through the
center of the midrange cone



FOCUS

FOCUS

Focus Series Active Coaxial Speaker



Advanced DSP Processor

Equipped with a 24-bit, 48kHz DSP processor for a variety of sound effects modes and parameter adjustments.

Multiple Connectivity Options

Supports Bluetooth and TWS wireless connections for convenient wireless audio transmission.

High-Efficiency Amplifier Design

Bass amplifier features Class-D technology with 300W of power, while the tweeter amplifier utilizes Class AB with 50W of power.

High-Quality Speaker Drivers

Both bass and tweeter drivers feature a ferrite magnetic circuit design, delivering a crisp, clear sound with strong penetration.



FPE10AD



FPE12AD



FPE15AD

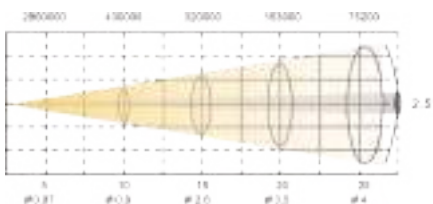
Speaker type	10" 2-way active coaxial plastic speaker	12" 2-way active coaxial plastic speaker	15" 2-way active coaxial plastic speaker
Frequency response(-10dB)	60Hz-20KHz	55Hz-20KHz	50Hz-20KHz
Input sensitivity LINE	0 dBu	0 dBu	0 dBu
MIC	-32dBu	-32dBu	-32dBu
Max.SPL(dB)	124.5dB	126.5dB	128dB
AMP power	1400W	1400W	1400W
LF unit	10" bass	12" bass	15" bass
HF unit	34 Core compression driver/ 1" throat/30W	34 Core compression driver/ 1" throat/30W	34 Core compression driver/ 1" throat/30W
Coverage(VxH)	80° × 80°	80° × 80°	80° × 80°
Crossover frequency	2.2 kHz	2.2 kHz	2.2 kHz
Input connection	2 × JACK XLR + JACK-3.5	2 × JACK XLR + JACK-3.5	2 × ACK XLR + JACK-3.5
DSP	5 modes (music/speech/live/DJ/monitor) 3-Band EQlow-cut delay, volume control.etc.	5 modes (music/speech/live/DJ/monitor) 3-Band EQlow-cut delay, volume control.etc.	5 modes (music/speech/live/DJ/monitor) 3-Band EQlow-cut delay, volume control.etc.
Bluetooth	Bluetooth	Bluetooth	Bluetooth
Input voltage	100V-240V(wide power supply)	100V-240V(wide power supply)	100V-240V(wide power supply)
Support mount	35mm hole, with 0°and -7.5optional	35mm hole, with 0°and -7.5optional	35mm hole, with 0°and -7.5optional
Hanging mount	5 × M10	5 × M10	5 × M10
Dimension(W x H x D)	310 × 515 × 280mm	360 × 585 × 310mm	410 × 660 × 350mm
Weight	12.8 kg	15.3 kg	19 kg

D8650M

3 in 1 Beam Light



Lightmap
Spot diameter 5°
Illuminance (LUX)

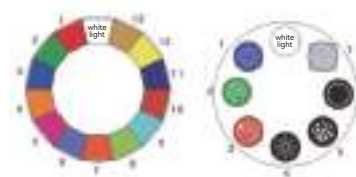


Projection distance (m)
Spot diameter (m)

Solid imae + effect disk



Wave map + color wheel



3 in 1 Beam Light D8650M

Input voltage	AC100-240V/50-60Hz
Rated power	500W@220V
Bulb specifications	Italy staar 350W
Color temperature	7500K
Rated life	2000H
Color	1 color wheel 14 colors+white light two-way variable speed color red water effect
Pattern	1pattern plate
One fixed gobo	15(5 glass)beam patterns with bidirectional flow, variable speed dithering effect
Prism	2 prism discs 8 prisms16 prisms(two-way variable speed rotation)prisms can be overlapped
Colorful	a colorful disc 0-100% linear colorful
Atomization	1atomization disc 0-100% linear atomization
Strobe	2 strobes double-chip strobe 0.5-14 times/second
Dimming	0-100% linear dimming
Focusing	DMX linear focusing beam angle(0-5°)
Control method	international standard DMX512 signal 3 cores 16 channels control
Other functions	ultra-quiet three-phasemotor adjustable horizontal and vertical speed display lamp bulb usage time2.8-inchtouch color screen.
Waterproof grade	hightemperatureresistantengineeringplastic,Ip20
Net weight	13.5kg
Dimension(W x H x D)	280 x 500 x 300mm

D1810

4 in 1 Full-color Dyed Handkerchief Lamp

Z1024

Control Panel

4 in 1 Full-color Dyed Handkerchief Lamp D1810



Input voltage	AC100v-240V, 50/60Hz
Light source	18 10W/15W(RGBW four-in-one) high power LEDs
Driving current	750MA
Operation	display panel control, self-propelled/custom programming
Display interface	digital tube display
Receiving signal	DMX512 signal, with master/slave function,built-in self-propelled program
Channel	9 DMX channels
Dimming	0-100%linear adjustment, venuewarm light function
Strobe	Independent electronic strobe,1-25Hz
Rated power	180w
Lens	New 25 ° bead lens, more uniform light effect
Projection angle	25 °, 45 " optional. Shell: Die-cast aluminum
Dimension(W x H x D)	260 x 220 x 290mm
Packing dimension(W x H x D)	250 x 310 x 250mm
Net weight	3.2kg
Gross weight	3.7kg

Control Panel Z1024

DMX512/1990 standard , maximum 1024 DMX Control channel, photoelectric isolation signal output. maximum control 96 computer lights or 96 channels of dimming, using the pearl light library.

Built-in graph track generator with 135 built-in graphs, It is convenient for users to control the graphic trajectory of the scanner, such as Draw circles, spirals, rainbows, chases and other effects.

Graphical parameters (eg: amplitude, speed, interval, wave, direction) can be set independently.

60 replay scenes for storing multi-step scenes and Single-step scenarios. A multi-step scene can store up to 600 steps.

LCD display with backlight, Chinese and English display.

Shutdown data retention.

Udisk backup and upgrade.

Professional gooseneck work light, suitable for indoor and outdoor performances.(optional).

Power supply: AC90-240V/50-60Hz switching power supply

Dimension(W x H x D): 485 x 105 x 420mm



AL7

Audio Lighting Touring Stand



The AL7 Audio Lighting Touring Stand is an innovative product designed and developed specifically for mobile immersive sound performances. Starting from the stability and convenience problem of speaker stands in outdoor performances, Soundking developed this water-injected chassis that can weigh up to 110 kg with a stable bracket.

This product adopts a two section retractable design, with the adjustable range of 2.8 to 4 meters. The top and middle can each hang a speaker, meeting the requirements for sound coverage during performances. The top of the stand is equipped with a 1.5 meter long lighting suspension crossbar, and 8 stage lights can be installed to facilitate the build of the audio and lighting system.

The AL7 Audio Lighting Touring Stand has the advantages of high work efficiency, nice performance effect, low cost, and wide applicability, bringing revolutionary changes to the performance industry.

*This product does not include stage lights and speakers.

AL7

Audio Lighting Touring Stand



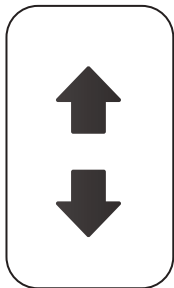
Honorary Patent

The product has obtained a utility model patent certificate (the patent number: 202322075615.8).



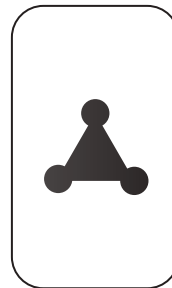
Convenient Transportation

The stand and chassis adopt a split design, and the chassis is assembled in four pieces, greatly reducing the transportation volume.



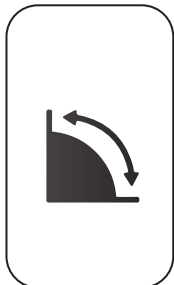
Flex Lifting and Lowering

Two section scalable design, with the adjustable range of 2.8-4 meters, can easily meet different height requirements.



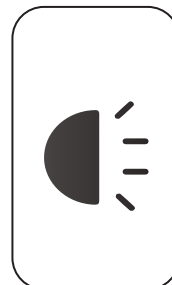
Stable and Durable

Assembled rotational molded chassis with the load-bearing capacity of 110 kilograms after filled with water to ensure stability during performances.



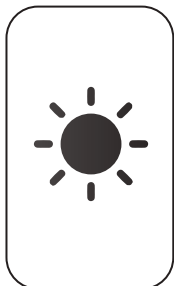
Angle Adjustable

The vertical angle adjustable range of the speaker crossbar is 0° -30°, and the horizontal angle adjustable range is 0° -180°. Adapt to different venue requirements.



Light Stand

The top is equipped with a 1.5m crossbar, providing stable support for stage lights.



Weather Resistant

The main pole of the stand is treated with corrosion-resistant spray coating, and can adapt to various harsh environments.



Economical and Practical

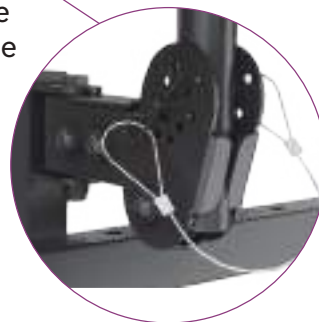
Two speakers and lighting equipment can be installed to reduce overall costs.

AL7

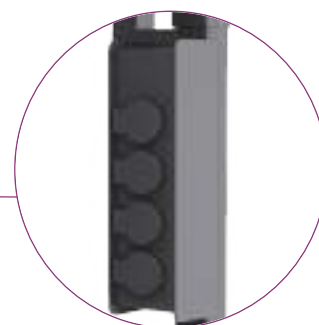
Audio Lighting Touring Stand

Top Speaker Crossbar

The vertical angle adjustable range is 0° - 30° , and the horizontal angle adjustable range is 0° - 180° .



BCP103 Power Box (Optional)



Hand Crank



The vertical angle adjustable range of the speaker bracket is 0° - 30° , and the horizontal angle adjustable range is 0° - 180° .

Central Speaker



Water Inlet

Water Outlet



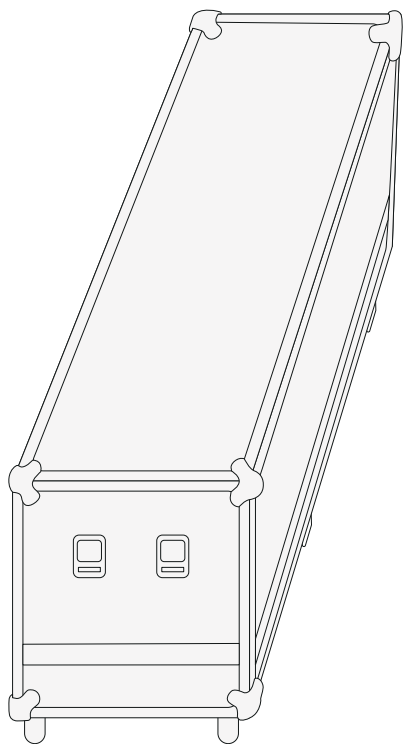
Split design of rotational molded water tanks for chassis

AL7

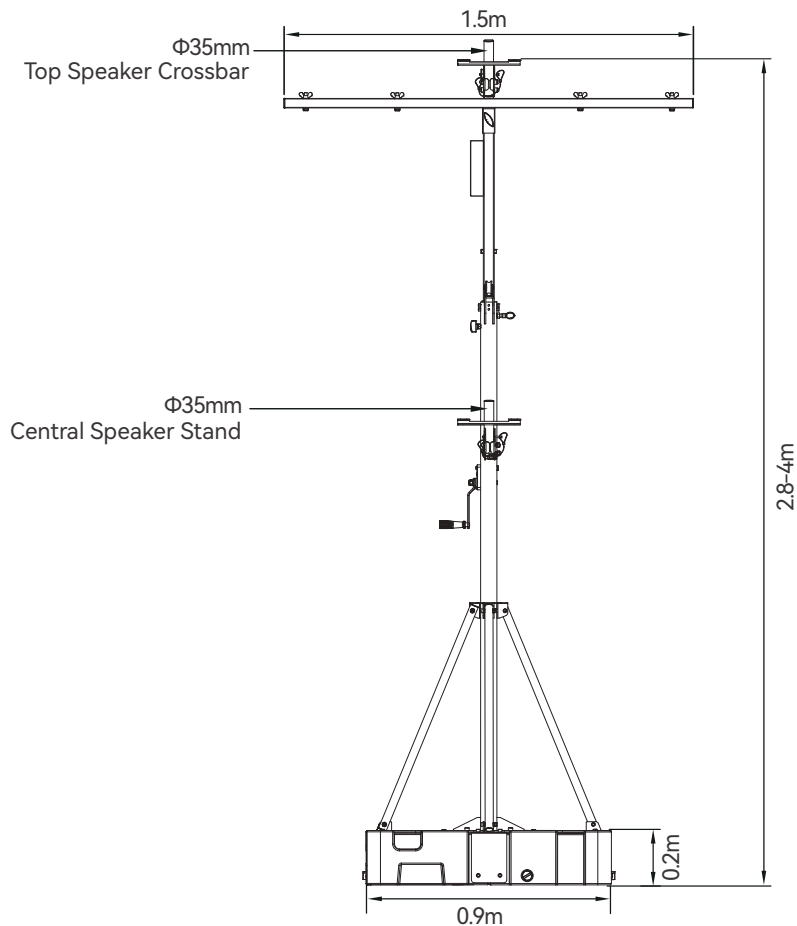
Audio Lighting Touring Stand

Technical Parameters

Stand Adjustable Height	2.8m-4m
Dimensions of Rotational Molded Chassis(W x H x D)	900 x 200 x 900mm
Weight of Chassis Filled With Water	110kg
Length of Stage Light Crossbar	1.5m, 8 stage lights can be installed
Maximum Weight of Stage Lights	40kg
Maximum Weight of the Central Speaker	25kg
Fixed Height for Installation of the Central Speaker	1.7m
Maximum Weight of the Top Speaker	25kg
Service Life	Can be lifted and lowered 10000 times
Optional Power Box Accessorie	4 sets of 220V/10A power outputs, Powercom power input x 1
Package Dimensions of Flight Case(W x H x D)	2800 x 800 x 800mm
Net Weight of Stand	60kg



Flight Case (optional)





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IOS



ANDROID

ELECTRONIC CATALOG APP