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Fidek®

Approved by THX™

First Audio Manufacturing(Guangzhou)Limited

China Head Office:

Tan Bu Fidek Industrial Zone, Hua Du, 510820, China

Tel: +86 20 86742178 Fax: +86 20 8674 2180

Hong Kong Office:

3/F, Block A, Wing Kut Industrial Building, 608 Castle

Peak Road, Kowloon, Hong Kong

Tel: +852 2741 1491 Fax: +852 2786 4012

Website: www.fidek.com.hk

Email: enquiry@first-audio.com

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The First Cinema Sound System
THX Approved In China



COMPANY PROFILE

First Audio, founded in 1981 in Hong Kong, the international financial center. In 1994, First Audio established its own plant which is located in the town of audio production in China , Hua Du city at Guangzhou China, with land area 92,000 square meters and modernized large garden design.

After 42 years of steady development, First Audio has become one of the world’ s famous audio manufacturers. Product lineup has covered many categories such as Professional Loudspeaker, Cinema Sound System, Professional DJ Equipment, Karaoke, Portable Trolley Speaker, Conference System, Public Address, Micro Film, Home Theatre and Intelligent Wireless Audio and more.

In the beginning of 2022, First Audio has joined Risuntek group, as a milestone and a new starting point in history.



Audio visual Culture Science
and Technology Museum



Post-Doctoral Research Center



Advanced sound attenuation chamber



Line array experience station



Since
1981



92000m²
factory



700 plus
employees



ISO
certification

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FIDEK CINEMA SOUND SYSTEM
APPROVED BY THX AMERICA



CINEMA MAIN SPEAKER SERIES

FDT-4600MV



FDT-4600MV

FEATURES

- High power, two-way bass reflex full range system
- 2 x 15" high power, 4" voice coil hyper vented woofers
- Rated Power handling: 600W continuous IEC pink noise
- 3" HF titanium compression driver with a constant directivity horn for a perfect coverage of 90° x 40°
- Poplar plywood cabinet with matt black PVC lamination
- Flat-front waveguide design for easy baffle wall installation
- Ideals for small and medium theatres audio application



SPECIFICATION

System	
HF Driver	3" x1 , Ti diaphragm, Ferrite magnet
LF Driver	15" x2, Paper diaphragm, Ferrite magnet
Coverage Angle	H90° x V40°
Crossover Frequency	LF/WF 800Hz
Speaker	
HF Driver	3" x1 , Ti diaphragm, Ferrite magnet
LF Driver	15" x2, Paper diaphragm, Ferrite magnet
Coverage Angle	H90° x V40°
Crossover Frequency	LF/WF 800Hz
Enclosure	
Material	18 mm plywood
Handles	2
Finish	Matt black textured finish
Dimensions (L x W x H)	LF: 860x500 x940 mm
M/HF	760x347x 390 mm
Weight	LF: 54 kg, M/HF:10.5 kg

CINEMA MAIN SPEAKER SERIES

FDT-8600MVA



FEATURES

- Three-way system design for high efficient output, optimal coverage
- Power handling: LF 800W M/HF 250W Continuous
- Double 380 mm (15") Vented Gap Cooled (VGC™) LF Transducer
- New generation optimized aperture waveguide and crossover for ultra-low distortion and extremely clarity of dialog
- Adjustable vertical angle for high and mid range titling
- Flat-front waveguide design for easy baffle wall installation
- Poplar plywood cabinet with matt black finish
- Audio performance for small and medium sized venues



SPECIFICATION

System	
System Type	3-way passive system, bass reflex
Sensitivity	LF 100 dB , M/HF 106 dB, 2.83V @ 1m
Max. SPL	LF 100 dB, M/HF:106dB
Frequency Range (-10 dB)	30 Hz – 20kHz
System Power Rating	LF 800W M/HF 250W Continuous
Nominal Impedance	LF 4Ω, M/HF 8 Ω
Distortion	≤1%

Speaker	
HF Driver	3" x1 , Ti diaphragm, Ferrite magnet
MF Driver	10" x1, Paper diaphragm, Ferrite magnet
LF Driver	15" x2, Paper diaphragm, Ferrite magnet
Coverage Angle	H90° x V40° (-30°~+20°)
Crossover Frequency	LF/M:2500Hz, M/HF:1.2kHz

Enclosure	
Material	18 mm plywood
Handles	2
Finish	Matt black textured finish
Dimensions (L x W x H)	LF: 760x480x850 mm
M/HF	M/HF: 760x480x972 mm
Weight	LF: 71 kg, M/HF:37kg

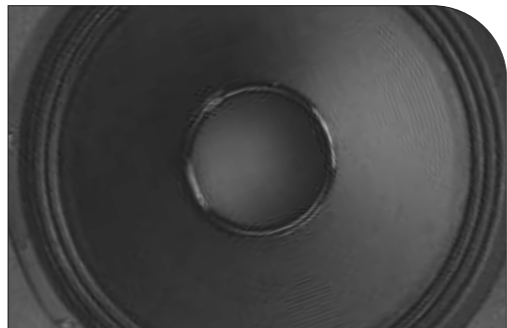
SUBWOOFER

FDT-3600BMV



FEATURES

- Dual 18" drivers cinema subwoofer with usable response to 25 Hz (-10 dB)
- Rated Power handling:1600W in IEC standard
- Bass-reflex enclosure for smooth response in a wide coverage
- Advanced 4-inch voice coil for earth-shaking low frequency
- Poplar plywood cabinet with matt black finish
- Perfect for general sound reinforcement applications in large theatre



SPECIFICATION

System	
System Type	Passive system, bass reflex
Sensitivity	102 dB, 2.83V @ 1m
Max. SPL	102±3 dB
Frequency Range (-10 dB)	22Hz – 500Hz
System Power Rating	1200W (IEC standard)
Nominal Impedance	8 Ω
Distortion	≤1%
Speaker	
LF Driver	18" x2, Paper diaphragm, Ferrite magnet
Driver Frame Material	Aluminum
Magnet	206 x117 x 25mm Ferrite
Input connector	Barrier strip
Enclosure	
Material	18 mm plywood
Handles	4
Finish	Matt black textured finish
Dimensions (L x W x H)	1230 x 643 x 781 mm
Weight	105 kg

CINEMA SURROUND SPEAKERS

FDT-600MVP / FD-10MVP



FDT-600MVP



FD-10MVP

FEATURES

- THX certified surround loudspeaker system for theatre
- 10" driver with powerful output for selection
- 1-inch titanium high-frequency compression driver with horn for even, full frequency coverage
- Lightweight ABS cabinet with wall mount bracket for easy installation and adjustment
- Perfect for both side and ceiling-surround applications of the latest digital sound formats



SPECIFICATION

System	FD-10MVP	FDT-600MVP
System Type	Passive system, two-way	Passive system, two-way
Sensitivity	96 dB, 2.83V @ 1m	98 dB, 2.83V @ 1m
Frequency Range (-10 dB)	50Hz – 20 kHz	50 Hz – 20kHz
System Power Rating	200W (400W max)	300W (600W max)
Nominal Impedance	8 Ω	8 Ω
Distortion	$\leq 1\%$	$\leq 1\%$

Speaker		
HF Driver	1" x1, Ti diaphragm	1.75" x1, Ti diaphragm
LF Driver	10" x1, Paper diaphragm	10" x1, Paper diaphragm
Coverage Angle	H100° x V80°	H90° x V60°
Crossover Frequency	2.2kHz	1.2kHz

Enclosure		
Material	ABS cabinet	ABS cabinet
Grill	PP +black cloth	PP +black cloth
Finish	Matt black finish	Matt black finish
Dimensions (L x W x H)	420*245*500mm	420*245*500mm
Weight	8 kg	10 kg

DIGITAL CINEMA AUDIO PROCESSOR

FDT-8000

FEATURES

- 8-ch digital audio processor for 2K digital cinema server.
- Equip with SPDIF non-sync input, sync digital input (DB-9), Analog input (DB-25)
- Crossover, 31-band EQ adjustment.
- Built-in Fidek sound system speaker technical parameters with standard test program standard test signal & test microphone.
- Remote control for other electronics equipment via network.
- Data backup card each machine with automatic update for easier equipment interchange.
- Individual GND for all input channel to reduce system noise.
- TCP/IP for networking, TMS/NOC system control.



FDT-8000 Front



FDT-8000 Back

SPECIFICATION

Model	FDT-8000
Type	7.1 digital audio processor
Dimensions (HxWxD)	486×327x98mm
Net weight	5.2KG
Line voltage requirements	100 VAC – 240 VAC, 50/60 Hz
Accessories included	Power cord, Connector Kit
Front Panel Controls and Indicators	
Monitor Volume/parameter adjust	Rotary encoder
Display	LCD
USB Type B port	Config and management interface
Standby	Yes
Input mode selection	Test, Mic, Non-sync digital input, Sync digital input, Analog input, CD/DVD AUX IN

SPECIFICATION

I/Os	
Network	RJ45, 10/100 Mbps network management
Sync digital input	DB-25 Female
RS-232 Serial automation port	DB-9 Male
SPDIF Non-Sync Input	RCA — Stereo digital audio interface and Lt/Rt Matrix SC/PC- For optical
Analog Inputs	DB-25 Female
CD/DVD Line Inputs	3.5 mm TRS — Stereo Left and Right and Lt/Rt Matrix
Mic/Line input (for test)	XLR Female
Microphone input (for call)	6.3mm RCA Female
DataPort outputs	DB25 Female
Monitor output	RCA Female
Audio Performance	
A/D conversion	24-bit delta-sigma, 48 kHz
Frequency response	20 Hz to 20 kHz (+/- .5dB)
Main Analog Input	
Input stage type	Active balanced input
Input impedance	20k Ohms
Max analog input level	+14.2 dBu (4.0 Vrms)
Mic/Line Input (XLR)	
Input stage type	Active balanced input
Input impedance	2.2k Ohms
Max analog input level	26 dBu
Input gain	0 to 60dB in 1 dB steps
Phantom power voltage	15V
Stereo Line Inputs	
Connector	3.5mm TRS mini jack
Input stage type	Unbalanced input
Input impedance (4dBu sens)	>10k Ohms
Max analog input level (4dBu sens)	14 dBu (4.2 Vrms)
Input impedance (-10dBV sens)	2.7k Ohms
Max analog input level (-10dBV sens)	0 dBV (1 Vrms)
DataPort Outputs	
Max output level	14 dBu
Dynamic range (unweighted)	>109 dB
Monitor Output	
Connector	RCA female
Output stage type	Unbalanced output
Max output level	21 dBu
Dynamic range (unweighted)	>109 dB
AES/EBU Digital Inputs	
Input stage type	Balanced input
Input sample rate	48 kHz or 96 kHz
SPDIF Digital Inputs	
Input stage type	non-sync input

DIGITAL POWER AMPLIFIER

FDT-900D FDT-1200D FDT-1600D FDT-1800D



FDT-900D FDT-1200D FDT-1600D FDT-1800D

FEATURES

- High efficient Class-D amplifier with 600~1200W output
- Fixed frequency switch mode output stage for high-grade sound accuracy
- Ultra-fast charging of supply rails results in tighter bass and clean, transparent highs with THD <1%
- Output filter with ripple cancellation
- All models are equipped with user friendly interface, which facilitates a fast hook-up and control
- Protection:
 - I. Short circuit protection: protects the amplifier from short circuit or other stressful events for the output circuits with automatic protection reset
 - II. Long-term limiter: protects the loudspeaker against steady long-term rms (non-audio) signals reducing maximum output
 - III. Thermal protection: output stages operating temperature up to 80 °C (176 °F)
 - IV. Temperature controlled continuous variable speed fan, front to back airflow



Back

SPECIFICATION

Model	FDT-900D	FDT-1200D	FDT-1600D	FDT-1800D
Power output @4Ω, THD 1%, 1kHz	900W × 2	1200W × 2	1600W × 2	1800W × 2
Power output @8Ω, THD 1%, 1kHz	600W × 2	800W × 2	1000W × 2	1200W × 2
Frequency Response (8 Ohms, 20 Hz-20 KHz)	±1dB	±1dB	±1dB	±1dB
SNR (rated power, 20Hz~20kHz)	≥101dB	≥103dB	≥103dB	≥101dB
Crosstalk (1kHz)	≥70dB	≥70dB	≥70dB	≥70dB
Analog input impedance (balanced input, unbalanced input)	20KOhms, 10 Kohms	20KOhms, 10 Kohms	20KOhms, 10 Kohms	20KOhms, 10 Kohms
Cooling type	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling
THD (at full rated power, 20Hz-20kHz)	<0.5%	<0.5%	<0.5%	<0.5%
Circuit type	Class D	Class D	Class D	Class D
Output connection	Binding post	Binding post	Binding post	Binding post
Input connection	XLR connector	XLR connector	XLR connector	XLR connector
Dimension (W × D × H) mm	88X483X354	88X483X354	88X483X354	88X483X354
Net Weight (KG)	8.7	9.0	9.0	9.0

POWER SEQUENCER

FSP-12IP

FEATURES

- Power sequencer for preventing excessive inrush currents
- 12 outlets in back panel with individual control
- Noise filtering to reduce radio frequency and electromagnetic interference
- 16 amp rating, with circuit breaker
- Worldwide/EU power outlets on rear panel
- Front panel indicator LEDs for outlet banks, protection and power status.
- Built-in safety, spike & surge overload protection
- Multiple unit compatible series link support
- Total capacity: up to 230V AC, 45A, 9900W
- Available for connecting to the computer via the network or USB,
- TCP/IP network connection, TMS/NOC system control.



SPECIFICATION

Model	FSP-12IP
Max. AC current rating	16A (MAX) , AC220-230V, Thermal breaker
AC Filtering	Pi LCR Filter
TCP/IP bandwidth	100M
Outlets	12
Size	483x292x142mm
Netweight	7.2kg