



**PRO AUDIO - CLUB SYSTEM
DSP & AMPS - CONTRACTOR**

PRO AUDIO

FL SERIES

ACTIVE



FL801-A

KEY FEATURES

- 83° Horizontal Dispersion
- Customized Driver
- HF Horn Design Ensures Even Coverage And Optimized For Smooth Frequency Response
- 2 Way BI-Amplified Class D Amplifier
- High-End Digital Controller On Board (DSP) With 96kHz Signal Sampling Frequency 56bit Precision
- Advanced Cooling System In Driver
- Compact & Elegant Premium Design
- Rock Solid Humidity Free Birch Plywood CNC Made Cabinet
- Touring Grade Emery Spraying
- State Of The Art Rigging System For Precise Line Array Hanging

TECHNICAL PARAMETERS

AMPLIFIER	
Amplifier Circuitry	2 channels Class D
Power (RMS standards)	800W+175W
Frequency Response (1W 8 Ohm 2ch)	20Hz-20KHz (±05db)
Intermodulation Distortion	<0.05%
Total Harmonic Distortion	<0.05%
Protection	Short, DCP, OVP, UVP, OCP, OTP
Cooling System	Cooling with fans
DSP	
Processor	96KHz Signal sampling frequency, 56 bit precision
Function	MUTE, Polarity, Grain, Delay, Limiter, Mixer, EQ, XOver
Control	USB and RS-485
OUTPUT/INPUT	
Signal Input	1xNEUTRIK® Female XLR
Signal Output	1x NEUTRIK® Male XLR
Power Input	Powercon NAC3M PA
Power Output	NAC3MPB
Working Voltage	90V-135V 50Hz (60Hz) or 220V
CABINET	
Rigging Adjustment Angle	0°, 4°, 8°, 11°
Cabinet Material	Russian birch plywood CNC made
Cabinet Color	Black
Dimension (WxHxD)	790 X 670 X 600 mm
Net Weight	17.0 Kg



PRO AUDIO

FL SERIES

KEY FEATURES



FL801

- 83° Horizontal Dispersion
- Customized Driver
- HF Horn Design Ensures Even Coverage And Optimized For Smooth Frequency Response Precision
- Advanced Cooling System In The Driver
- Optimized And Compact Elegant Premium Design
- Rock Solid Humidity Free Birch Plywood CNC Made Cabinet
- Touring Grade Emery Spraying
- State Of The Art Rigging System For Precise Line Array Hanging

PASSIVE

TECHNICAL PARAMETERS

OUTPUT/INPUT	
Connector Type	Speakon NL4 In/Out
CABINET	
Power (RMS standards)	800W+175W
Rigging Adjustment Angle	0°, 4°, 8°, 11°
Cabinet Material	Russian birch plywood CNC made
Cabinet Color	Black
Dimension (WxHxD)	790 X 670 X 600 mm
Net Weight	14.5 Kg

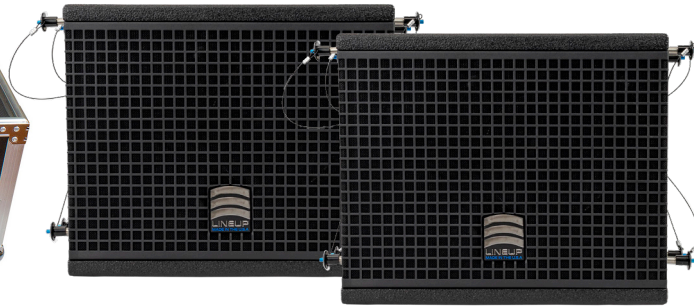


PRO AUDIO

FL SERIES



F-FL801
Flight Case for 2 FL801 & Rigging



A-PL
Adjustable Pole for FL801



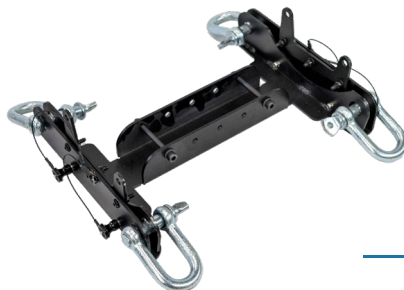
FL-BUMPER-EXT
Bumper Extension



FL-BUMPER
8" Stand Frame



FL-BUMPER7+
8" Stand Frame to fly
7-12 FL801



PRO AUDIO

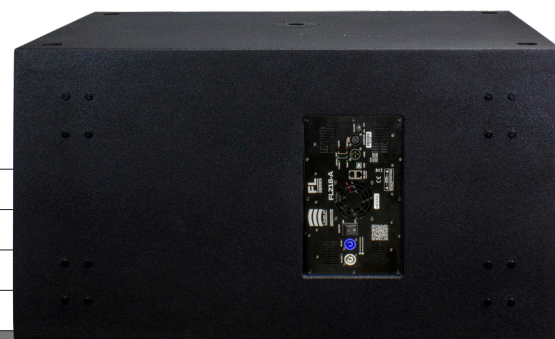
FL SERIES



FL218-A

KEY FEATURES

- 2x18" High-Efficiency 4" Voice-Coil Woofer
- 138 db Maximum Sound Pressure Level System Power Rating 2400 Watts RMS
- 18mm Plywood Cabinet Painted With Black, Heavy Duty, Textured Epoxy
- Protective Black Perforated Steel Framed
- Mounted Customized DSP Plate Amplifier



ACTIVE
2x18"

TECHNICAL PARAMETERS

Type	Active DSP-controlled subwoofer
Frequency response	35Hz 200Hz
SPL/1M	138db
LF Driver	Customized ferrite driver, 4" Voice coil
AMPLIFIER	
Amplifier Circuitry	Class D - Two Channel Amplifier
Continuous Power	1200+1200 RMS
Frequency Response (1W 8 Ohm 2ch)	20Hz-20KHz (±05db)
Intermodulation Distortion	<0.05%
Total Harmonic Distortion	<0.05%
Protection	Short, DCP, OVP, UVP, OCP, OTP
Cooling System	Cooling with fans
SPEAKER SPECS	
Speaker Specs	18" Subwoofer speaker 4" Voice coil 1200 Watt RMS
DSP	
Processor	96KHz Signal sampling frequency, 56 bit precision
Function	MUTE, Polarity, Grain, Delay, Limiter, Mixer, EQ, XOver
Control	USB and RS-485
OUTPUT/INPUT	
Signal Input	1 x Female XLR
Signal Output	1 x Male XLR
Power Input	Power connector SVP593MA-BL
Working Voltage	90V-135V or 220V AC
CABINET	
Cabinet Material	CNC made of birch plywood
Cabinet Color	Black catalyzed polyurethane paint
Dimension (WxHxD)	580 X 1060 X 700 mm
Net Weight	77.0 Kg

PRO AUDIO

FL SERIES

PASSIVE

2x21"



FL221

KEY FEATURES

- Passive 2 X 21" Neodymium Speakers
- Low Profile Compact Design
- Enclosure Construction 18mm Plywood
- Rugged Durable Painting Finish
- Heavy Duty Power-Coated 1.5mm Steel Grille
- Speakon Connectors

TECHNICAL PARAMETERS

DRIVER NOMINAL SPECIFICATIONS	
Nominal Diameter for each speaker	530mm (21 inch)
Overall Diameter	542mm (21.34 inch)
Bold Circle Diameter	517mm (20.35 inch)
Baffle Cutout Diameter	492mm (19.37 inch)
Depth	245mm (9.65 inch)
Flange and gasket Thickness	10mm (0.39 inch)
Net Weight for Each Speaker	9.26 Kg
Voice Coil Diameter	125mm (4.92 inch)
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	31mm (1.22inch)
Magnet	NEODYMIUM SLUG
Basket Material	Aluminium
Cone Surround (3)	Acordion (4 Waves)
TECHNICAL PARAMETERS	
Nominal Impedance	4 Ohm
Minimum Impedance	3.5 Ohm
AES Power Handling (7)	2500W
MAXIMUM POWER HANDLING (2)	4000W
SENSITIVITY (1W/1m)	109db
Frequency Range	32Hz- 1KHz
Frequency Range	58.5 Kg
Connector Type	Speakon NL2 (2)

PRO AUDIO

FL SERIES

KEY FEATURES

- 21" Neodimium Subwoofer Speaker
- Tri Amplifier 1800+900+900W With DSP
- Two Way 1600W Power Out
- 138db Maximum Sound Pressure Level
- System Power Rating 3600 Watts RMS
- 18mm Plywood Cabinet Painted With Black, Heavy Duty, Textured Epoxy Paint
- Protective Black Perforated Steel Framed
- Mounted Customized DSP Plate Amplifier

ACTIVE 21"



FL21-A+

TECHNICAL PARAMETERS

AMPLIFIER	
Amplifier Circuitry	Three Channel Class D Amplifier
Continuous Power	1800W+900W+900W
Frequency Response (1W 8 Ohm)	20Hz-20KHz (±0.5db)
Intermodulation Distortion	<0.05%
Total Harmonic Distortion	<0.05%
Protection	Short, DCP, OVP, UVP, OCP, OTP
Cooling System	Cooling with fans
DSP	
Processor	96KHz Signal sampling frequency, 56 bit precision
Function	MUTE, Polarity, Grain, Delay, Limiter, Mixer, EQ, XOver
Control	USB and RS-485
OUTPUT/INPUT	
Signal Input	1 x Female XLR
Signal Output	1 x Male XLR
AMPLIFIED OUTPUT 2X900 WATT	1 NL45PEAKON
Power Output	POWERCON SVP593MA-BL
Working Voltage	90V-135V 50Hz (60Hz)
CABINET	
Cabinet Material	CNC made of excellent birch plywood
Cabinet Color	Black catalyzed polyurethane paint
Dimension (WxHxD)	790 X 670 X 600 mm
Net Weight	66.0 Kg

CLUB SYSTEMS

GA SERIES

PASSIVE 15"



GA1501

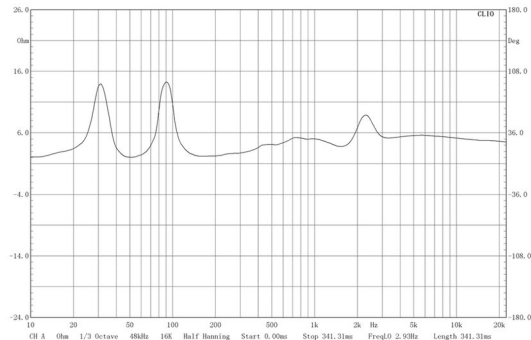
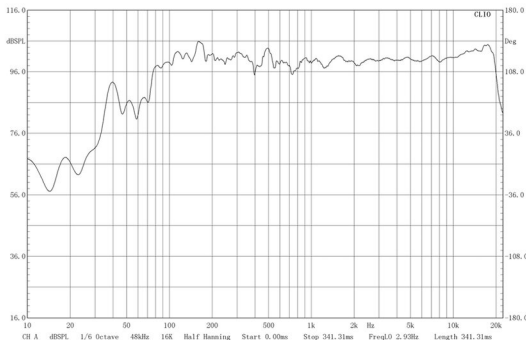
KEY FEATURES

- 15" Speaker
- 1.4" Compressor Driver
- Ultra Low Distortion System
- Low Profile Compact Design
- Enclosure Construction 18mm Plywood
- Rugged Durable Painting Finish
- Heavy Duty Powder-Coated 1.5 Steel Grille
- Frequency Range 53Hz-19000Hz

TECHNICAL PARAMETERS

TYPE: 15" TWO WAY PASSIVE FULL RANGE SPEAKER	
Drivers	LF: 15" speaker, 190mm magnet 75mm voice coil HF: 1x1.75" diaphragm driver, protector for over circuit/voltage
Frequency Range	53Hz-19KHz
Power Handling capacity	500W RMS
Sensitivity	98db / 1W / 1m
Rated impedance	8 Ohm
SLP	123db continue, 129db peak
Coverage (H x V)	50° - 100° x 55° asymmetric horn
Construction	18mm Birch plywood cabinet. Black Color
Dimension (WxHxD)	431mm x 681mm x 463mm
Net Weight	29.5 Kg

FREQUENCY RESPONSE



CLUB SYSTEMS

GA SERIES

PASSIVE 12"



GA1201

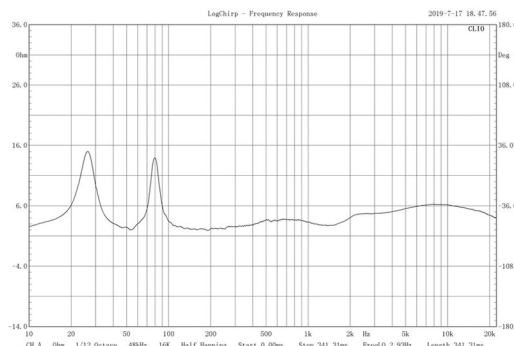
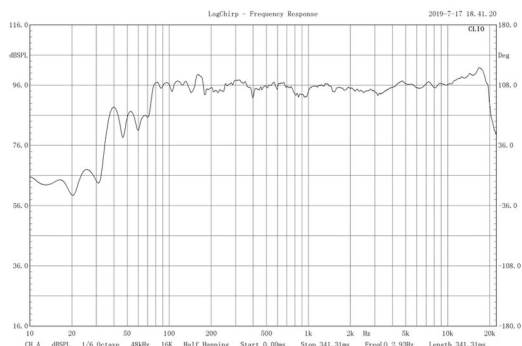
KEY FEATURES

- 12" Speaker
- 1" Compressor Driver
- Ultra Low Distortion System
- Low Profile Compact Design
- Enclosure Construction 18mm Plywood
- Rugged Durable Painting Finish
- Heavy Duty Powder-Coated 1.5 Steel Grille
- Frequency Range 53Hz-19000Hz

TECHNICAL PARAMETERS

TYPE: 12" TWO WAY PASSIVE FULL RANGE SPEAKER	
Drivers	LF:12"speaker, 190mm magnet, 3" silvering aluminum voice coil HF: 1x1.75" diaphragm driver, protector for over circuit/voltage
Frequency Range	55Hz-19KHz
Power Handling capacity	450W RMS
Sensitivity	97db / 1W / 1m
Rated impedance	8 Ohm
SLP	122db continue, 129db peak
Coverage (H x V)	50° - 100° x 50°
Construction	15mm Birch plywood cabinet. Black Color
Dimension (WxHxD)	364mm x 600mm x 391mm
Net Weight	21.5 Kg

FREQUENCY RESPONSE



CLUB SYSTEMS

GA SERIES



GA12A-SUB



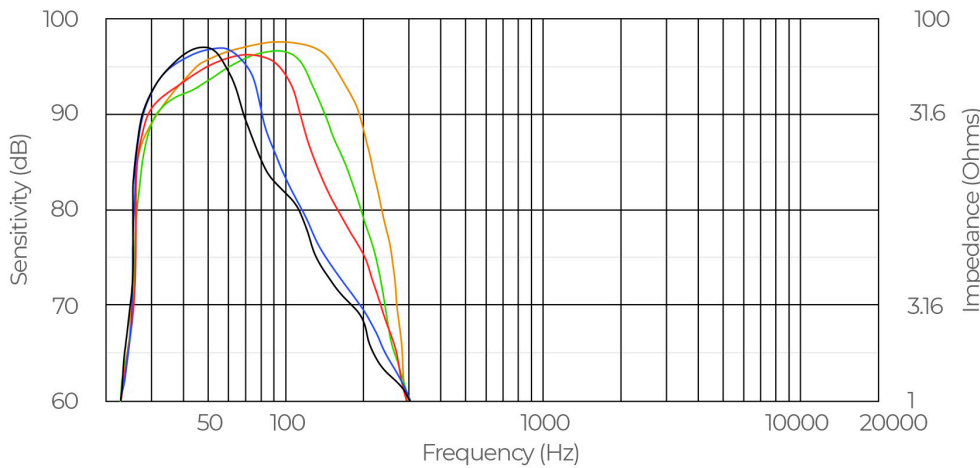
GA12AW-SUB

ACTIVE 12"

KEY FEATURES

- Plywood Cabinet
- Class D Amplifier
- 12" Subwoofer
- 800 Watt Power Handling
- 450 Watt RMS Power
- 5 DSP Subwoofer Presets
- Phase Switch 0-180°
- Frequency Response 35Hz-175Hz
- Combo Input XLR - 1/4" Plug
- XLR Output
- AC Power Input 115V - 230V

FREQUENCY RESPONSE



GA12A-SUB-BRACKET

Wall mount Bracket for GA12A-SUB



GA12AW-SUB-BRACKET

Wall mount Bracket for GA12AW-SUB



CLUB SYSTEMS

GA SERIES



GA801A



GA801A-W

ACTIVE
8"

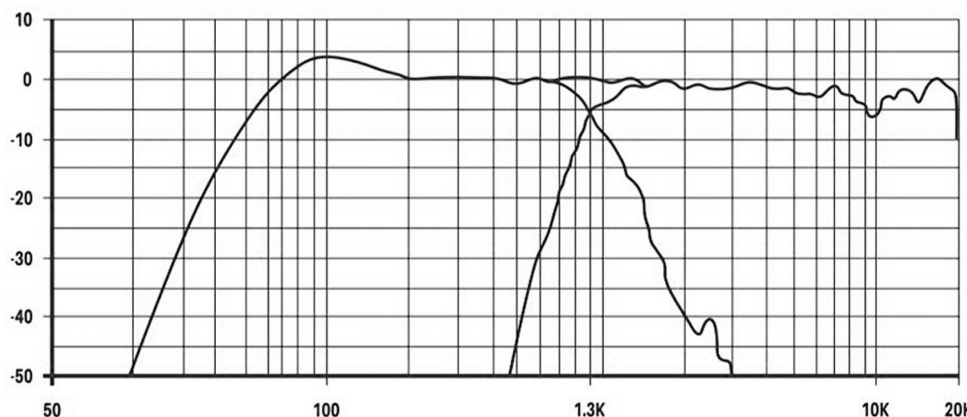
KEY FEATURES

Freq. Range: 68Hz - 20kHz
 Maximum SLP: 127 dB
 Horizontal coverage angle: 70°
 Vertical coverage angle: 50°
 RMS Power Handling: 150 Watt
 Program Power: 300 Watt
 HPF Control: 68Hz - 250Hz
 Input Connector: XLR
 Loop Out Connector: XLR
 Low Freq. Transducer: 8" Woofer

High Freq. Transducer: 1" Driver
 Input Power: 110 - 250V
 Paint: Texturized White / Black
 Weight: 24.25 lbs. / 11 Kg.
 Size HxWxD: 16.1"x9.4"x10.9" / 410x240x278 mm
 14 Fly Points for Rigging
 Pole Mount Ready
 Wall Mount Bracket Included



FREQUENCY RESPONSE



CLUB SYSTEMS

GA SERIES



GA801



GA801-W

PASSIVE

8"

KEY FEATURES

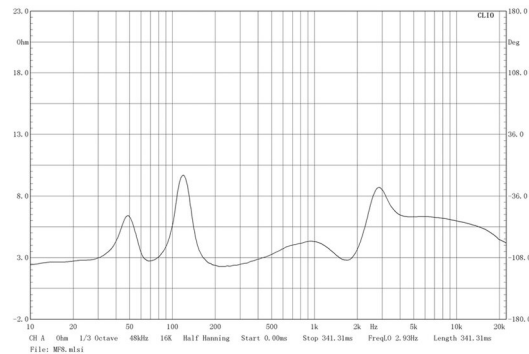
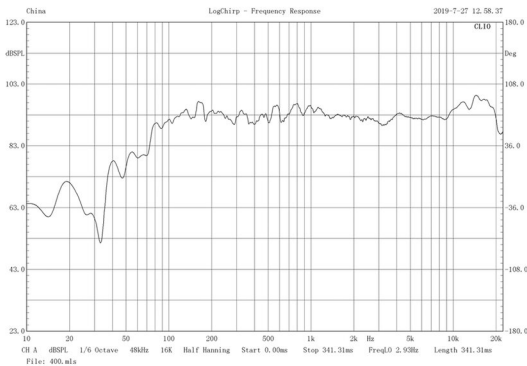
- 8" Speaker
- 1" Compressor Driver
- Ultra Low Distortion System
- Low Profile Compact Design
- 15mm Wooden Cabinet
- Rugged Durable Painting Finish
- Heavy Duty Powder-Coated 1.5 Steel Grille
- Frequency Range 70Hz-20KHz

TECHNICAL PARAMETERS

TYPE: 8" TWO WAY PASSIVE FULL RANGE SPEAKER	
Drivers	LF: 8" speaker, 120mm magnet 2" voice coil overheat-proof HF: 1x1.4" diaphragm driver, overcurrent and over voltage
Frequency Range	70Hz-20KHz
Power Handling capacity	150W RMS
Sensitivity	96db / 1W / 1m
Rated impedance	8 Ohm
SLP	108db continue, 114db peak
Coverage	70° x 50°
Construction	15mm Plywood cabinet. Black Painting
Dimension (WxHxD)	240mm x 410mm x 278mm
Net Weight	8.0 Kg



FREQUENCY RESPONSE



CLUB SYSTEMS

GA SERIES



GA601



GA601-W

PASSIVE

6"

KEY FEATURES

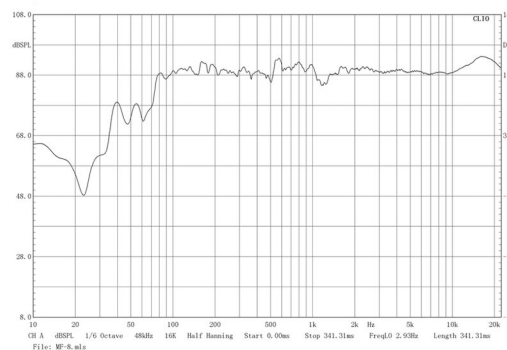
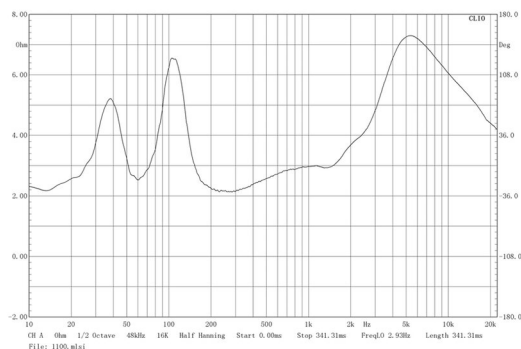
- 6" Speaker
- 1" Compressor Driver
- Ultra Low Distortion System
- Low Profile Compact Design
- 15mm Wooden Cabinet
- Rugged Durable Painting Finish
- Heavy Duty Powder-Coated 1.5 Steel Grille
- Frequency Range 75Hz-20Khz

TECHNICAL PARAMETERS

TYPE: 6.5" TWO WAY PASSIVE FULL RANGE SPEAKER	
Drivers	LF: 6.5" speaker, 100mm magnet 30mm voice coil overheat-proof HF: 1x1" diaphragm driver, overcurrent and over voltage
Frequency Range	75Hz-20KHz
Power Handling capacity	100W RMS
Sensitivity	93db / 1W / 1m
Rated impedance	8 Ohm
SLP	105db continue, 111db peak
Coverage	70° x 50°
Construction	15mm Plywood cabinet. Black Painting
Dimension (WxHxD)	208mm x 351mm x 240mm
Net Weight	6.5 Kg



FREQUENCY RESPONSE



CLUB SYSTEMS

GA SERIES



GA18

KEY FEATURES

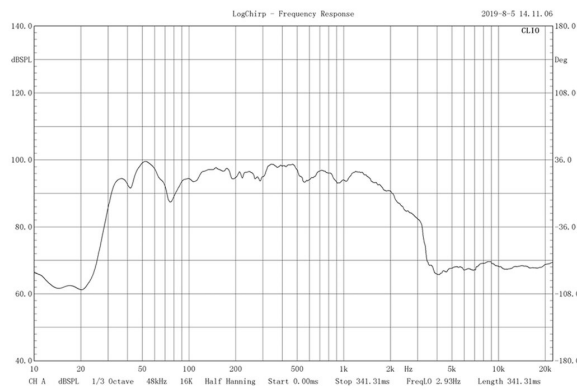
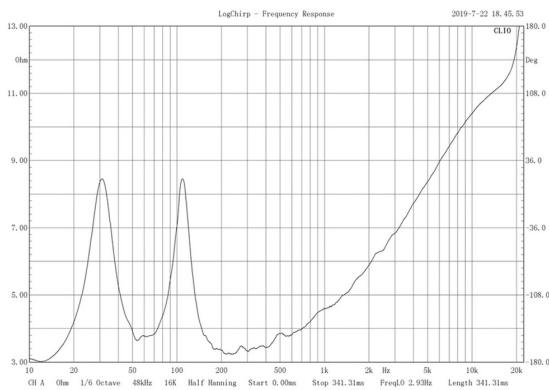
- 18" Speaker
- Ultra Low Distortion System
- Low Profile Compact Design
- Enclosure Construction 18mm Plywood
- Rugged Durable Painting Finish
- Heavy Duty Powder-Coated 1.5 Steel Grille
- SPL 136db

TECHNICAL PARAMETERS

TYPE: SINGLE 18" WOOFER SYSTEM	
Drivers	LF: 18" Woofer speaker, 280mm maganet 125mm voice coil
Frequency Range	32Hz-500Hz
Power Handling capacity	700W RMS
Sensitivity	102db / 1W / 1m
Rated impedance	8 Ohm
Construction	18mm Birch plywood cabinet
Dimension (WxHxD)	686mm x546mm x653mm
Net Weight	56.0 Kg

PASSIVE
18"

FREQUENCY RESPONSE



AMPLIFIERS

POWER SERIES

D20K-110V

D20K-220V



Lightweight Class D Power Amplifier
 2U Rack Space
Available in 110V or 220V AC Power Input
 Function Indicators and Short Circuit Protection
 Precision Rotary Level Controls and Power Switch
 97% Power Efficiency
 8 Ohm Stereo: 4x2100 Watts



4 Ohm Stereo: 4x4000 Watts
 8 Ohm Mono: 2x10000 Watts
 Input:XLR
 Output NL4 Speakon
 Dimension (WxHxD): 19"x3.4"x14.8" (483x88x377 mm)
 Weight: 35 lbs (15.8 Kg)

D16K



Lightweight Class D Power Amplifier
 1U Rack Space
 Function Indicators and Short Circuit Protection
 Handles 2 Ohm Loads
 Precision Rotary Level Controls and Power Switch
 97% Power Efficiency
 8 Ohm Stereo: 4x2000 Watts
 4 Ohm Stereo: 4x3400 Watts
 2 Ohm Stereo: 4x4760 Watts



16 Ohm Bridge: 2x4000 Watts
 8 Ohm Bridge: 2x6800 Watts
 4 Ohm Bridge: 2x9520 Watts
 110-220V, 50/60Hz Switch selector
 Input:XLR
 Output NL4 Speakon
 Dimension (WxHxD): 19"x1.7"x18.3" (483x44x465 mm)
 Weight: 28.7 lbs (13 Kg)

D16K



Lightweight Class D Power Amplifier
 1U Rack Space
 Function Indicators and Short Circuit Protection
 Handles 2 Ohm Loads
 Precision Rotary Level Controls and Power Switch
 97% Power Efficiency
 8 Ohm Stereo: 4x1000 Watts
 4 Ohm Stereo: 4x1700 Watts
 2 Ohm Stereo : 2x2890 Watts



16 Ohm Bridge: 2x2000 Watts
 8 Ohm Bridge: 2x3400 Watts
 4 Ohm Bridge: 2x5780 Watts
 110-220V, 50/60Hz Switch selector
 Input:XLR
 Output NL4 Speakon
 Dimension (WxHxD): 19"x1.7"x14.5" (483x44x370 mm)
 Weight: 19.8 lbs (9 Kg)

AMPLIFIERS

CLASS D SERIES

D600.6



D600.4



KEY FEATURES

- Class D
- Hi Quality Sound
- 6 Channels
- 600 Watt/ Channel @ 4 Ohms
- SPM Technology (Self Protection Mode)
- HPF - LPF Integrated Crossover
- Universal Voltage 110-220V AC Selector Switch
- XLR & Plug 1/4" Combo Connector
- NL4 Speakon Outputs
- Automatic Variable Speed Exhaust Fan
- 1 1/2 U Rack Space
- Mono – Stereo - Bridge Mode
- 3 Year Warranty

SPECIFICATIONS

- Output Power (8 Ohm): 300W x 6
- Output Power (4 Ohm): 600W x 6
- Output Power Bridge (8 Ohm): 900W x 3
- Output Circuit Type: CLASS D
- Input Impedance: 10K Ohm
- Frequency Response: 20Hz-20KHz
- THD 20hz~20khz(8 Ohm): 0.1%
- Slew Rate: 40V/usec
- Hum And Noise: 100dB
- Damp Modulus (8 Ohm): >200
- Radiator: High/Low Automatism Control
- Weight 12.9 Lbs / 5.85 kg
- Dimension 19" x 12.9" x 2.5" / 483 x 328 x 64 mm (1.5U)
- Power Range 110V / 220V Switchable

KEY FEATURES

- Class D
- Hi Quality Sound
- 6 Channels
- 600 Watt/ Channel @ 4 Ohms
- SPM Technology (Self Protection Mode)
- HPF - LPF Integrated Crossover
- Universal Voltage 110-220V AC Selector Switch
- XLR & Plug 1/4" Combo Connector
- NL4 Speakon Outputs
- Automatic Variable Speed Exhaust Fan
- 1 1/2 U Rack Space
- Mono – Stereo - Bridge Mode
- 3 Year Warranty

SPECIFICATIONS

- Output Power (8 Ohm): 300W x 6
- Output Power (4 Ohm): 600W x 6
- Output Power Bridge (8 Ohm): 900W x 3
- Output Circuit Type: CLASS D
- Input Impedance: 10K Ohm
- Frequency Response: 20Hz-20KHz
- THD 20hz~20khz(8 Ohm): 0.1%
- Slew Rate: 40V/usec
- Hum And Noise: 100dB
- Damp Modulus (8 Ohm): >200
- Radiator: High/Low Automatism Control
- Weight 12.9 Lbs / 5.85 kg
- Dimension 19" x 12.9" x 2.5" / 483 x 328 x 64 mm (1.5U)
- Power Range 110V / 220V Switchable

AMPLIFIERS

CLASS D SERIES

D1600.2



D1200.2



KEY FEATURES

- Class D
- Hi Quality Sound
- 2 Channels
- 1600 Watt/ Channel @ 4 Ohms
- SPM Technology (Self Protection Mode)
- HPF - LPF Integrated Crossover
- Universal Voltage 110-220V AC Selector Switch
- XLR & Plug 1/4" Combo Connector
- NL4 Speakon Outputs
- Automatic Variable Speed Exhaust Fan
- 1 1/2 U Rack Space
- Mono – Stereo - Bridge Mode
- 3 Year Warranty

SPECIFICATIONS

- Output Power (8 Ohm): 1000W x 2
- Output Power (4 Ohm): 1600W x 2
- Output Circuit Type: CLASS D
- Input Impedance: 10K Ohm
- Frequency Response: 20Hz-20KHz
- THD 20hz~20khz(8 Ohm): 0.1%
- Slew Rate: 40V/usec
- Hum And Noise: 100dB
- Damp Modulus (8 Ohm): >200
- Radiator: High/Low Automatism Control
- Weight: 12.6 Lbs / 5.75 kg
- Dimension: 19" x 12.2" x 2.5" / 483 x 328 x 64 mm (1.5U)
- Power Range: 110V / 220V Switchable

KEY FEATURES

- Class D
- Hi Quality Sound
- 2 Channels
- 1200 Watt/ Channel @ 4 Ohms
- SPM Technology (Self Protection Mode)
- HPF - LPF Integrated Crossover
- Universal Voltage 110-220V AC Selector Switch
- XLR & Plug 1/4" Combo Connector
- NL4 Speakon Outputs
- Automatic Variable Speed Exhaust Fan
- 1 1/2 U Rack Space
- Mono – Stereo - Bridge Mode
- 3 Year Warranty

SPECIFICATIONS

- Output Power (8 Ohm): 600W x 2
- Output Power (4 Ohm): 1200W x 2
- Output Circuit Type: CLASS D
- Input Impedance: 10K Ohm
- Frequency Response: 20Hz-20KHz
- THD 20hz~20khz(8 Ohm): 0.1%
- Slew Rate: 40V/usec
- Hum And Noise: 100dB
- Damp Modulus (8 Ohm): >200
- Radiator: High/Low Automatism Control
- Weight: 7.7 Lbs / 3.5 kg
- Dimension: 19" x 8.5" x 2.5" / 483 x 215 x 64 mm (1.5U)
- Power Range: 110V / 220V Switchable



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Contact your salesperson for additional discounts
Prices are valid while quantities last and are subject to change without notice