



特性:

- 功率巨大、瞬態響應出色
- 極低失真、保證超低頻的明晰度
- 18"超低音系統
- 直射倒相式設計
- D類功放模組+DSP
- 可堆疊

Features:

- High power, excellent frequency response
- Extremely low distortion, ensuring ultra low frequency clarity
- 18" subwoofer system
- Direct shooting phase-inverted design
- D class amplifier + DSP
- Stackable

描述:

FPS6018是一款有源超低頻揚聲器，採用倒相式設計，裝載18"大功率低頻驅動單元，低頻低沉有力，與其它音響系統多種搭配使用作為低頻擴展，頻率響應特性40Hz~250Hz。FPS6018使用多層膠合板製造箱體、環保塗層保護外殼，音箱採用多邊長條形網孔金屬網罩內貼聲學透聲海綿作揚聲器保護，側面板融合4個金屬壓鑄把手，後面板還配置有16個M8滑輪安裝螺絲。當多只FPS6018堆疊在一起時，箱體底部4個橡膠墊可嵌入另一只音箱的凹槽裏面防止音箱滑動。頂部裝有M20螺口支撐座。鋁合金外殼的2X700W D類功放模組裝置在音箱背後，內置DSP模塊，電子分頻和限幅過載保護等裝置，面板上裝有一組JACK/XLR輸出插座和音量調節旋鈕，LED顯示電源、電平和過載狀態4組內置預設模式選擇。

Description:

FPS6018 is an active phase-inversed subwoofe. Loading one 18" high power LF driver, frequency is low and powerful, use with other sound system of LF extension, its low frequency response range is 40Hz-250Hz. FPS6018 cabinet is made with multi-layer birch plywood, painted with environmental coating. The polygon hole grille is stucked with acoustic foam, there are 4 metal handles on sides, 16pcs M8 dolly mounting point on back. The 4 rubber feet on bottom can insert in to another to avoid slipping when more FPS6028 stacked together. On back side there is 2x700W D class alu cabinet amplifier module install, built-in DSP, electric crossover, phase limit, overload protection. JACK/XLR output and volume turn button, LED displaying power, level, overload status.

應用:

- 大型體育館、運動場、各類演出活動
- 娛樂場所、夜總會、酒吧
- 主題公園、音樂廳
- 流動或固定安裝
- 作為其它音響系統的超低頻部分

Applications:

- Large stadiums, arenas, all kinds of performances
- Entertainment venues, nightclubs, bars
- Theme park and concert hall
- Mobile or fixed installation
- As subwoofer of other audio system

Specifications規格

System 系統

Frequency Response 頻響	40 Hz - 250 Hz @ (±3 dB)
Sensitivity 系統靈敏度	99 dB SPL (1W @ 1m)
Nominal Impedance 阻抗	8 ohms
Power Handling 功率	800 watts (rms額定), 1600 watts (program節目), 3200 watts (peak最大)
Maximum SPL 最大聲壓	128 dB
Crossover Frequency 分頻點	135 Hz

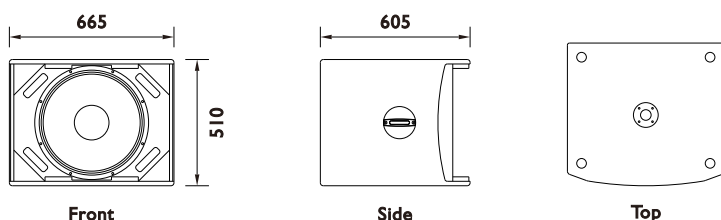
Component Elements 系統組件

Low Frequency 低頻	1 x 18(in) 460 mm dia (直徑), 99.5 mm(4in) voice coil dia (音圈直徑)
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PHYSICAL 箱體

Enclosure Construction 箱殼	18 mm Plywood (特制膠合板)
Finish 表面	Wear-resistant textured black paint (環保水性黑色耐磨粗點噴漆)
Grille 面罩	Powder coated perforated steel, foam backed (鐵網、內貼透氣棉)
Options 其它	Aluminium pole mount socket (鋁合金支撐底座)
Input Connectors 連接器	Speakon NL4 x 2
Dimensions 尺寸 H x W x D:	510 mm x 665 mm x 605 mm
Net Weight 重量	44.25 kg

Overall dimensions



General参数

Number of channels通道数量	1 in/3 out(configurable as 2 in/3 out)1入3出(可设为2入3出)
Architecture架构	Analog Devices 模拟 SigmaDSP 50 MIPS
Internal processing内部处理	28 bit data path with 56 bit internal processing 28位数据通道, 带56位内部处理
Latency延迟	1.02 ms fixed latency architecture1.02MS 固定延迟架构
User data storage用户数据存储	Up to 4 local presets, unlimited via Armonía Pro Audio Suite software 4个本地预设, 通过软件无限制
Firmware update固件更新	USB
Remote control遥控	Armonía Pro Audio Suite 软件 software

Audio音频

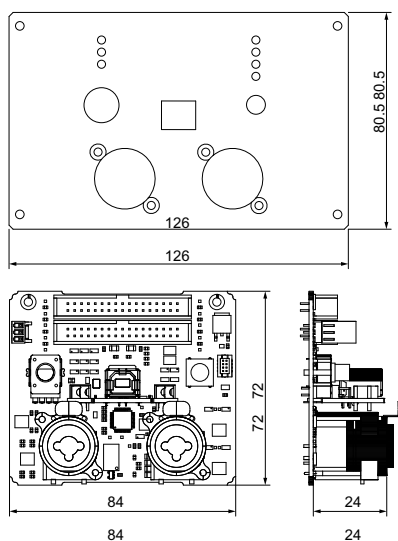
Frequency response频响	20 Hz - 20 kHz (-0.5 dB)
Max input voltage最大输入电压	8.2 V / +20 dBu
Max output voltage最大输出电压	4.1 V / +14.3 dBu
S/N ratio (analog-to-analog)SN 比(模拟到模拟)	> 113 dB
THD+N总谐波失真 :	< 0.02% (20 Hz - 20 kHz)

DSP featuresDSP功能

Delay延迟	340 ms input delay340MS 输入延迟, 10MS每通道 10 ms per channel output delay
Input equalizer输入均衡	5 parametric equalizers: hi/lo-shelving, all-pass, band-pass, band-stop, hi/lo-pass 5段参量EQ:高/低-倾斜,全-通,带-通,带-停,高/低-通
Output equalizer输出均衡	Parametric IIR filters: peaking, hi/lo-shelving, all- pass, band-pass, band-stop, hi/lo-pass 参量IIR滤波:匹,高/低-倾斜,全-通,带-通,带-停,高/低-通
Crossover分频	Butterworth, Linkwitz-Riley, Bessel: 6 dB/oct to 48 dB/oct (IIR) 巴特沃兹/林克威茨/贝赛尔:6DB/OCT到48dB/oct(IIR)
Limiters限制	Peak limiter, RMS limiter, frequency dependent RMS limiter, Clip limiter, Temperature limiter 峰值限制, RMS限制, 频率独立RMS限制, 切波限制, 温度限制
Parameters locking参数锁定	Protection of OEM/user featuresOEM/用户保护功能

AD/DA converters模数/数模转换器

Architecture架构	AKM 24 bit @ 48 kHz
Dynamic range动态 AD/DA转换	118 dB / 114 dB
THD+N	< 0.01% (20 Hz - 20 kHz)



Armonía Pro Audio Suite™



Input EQ



Output EQ



Limiters

技精于博 专注于您
FPS
THE BEST OF BEST.....

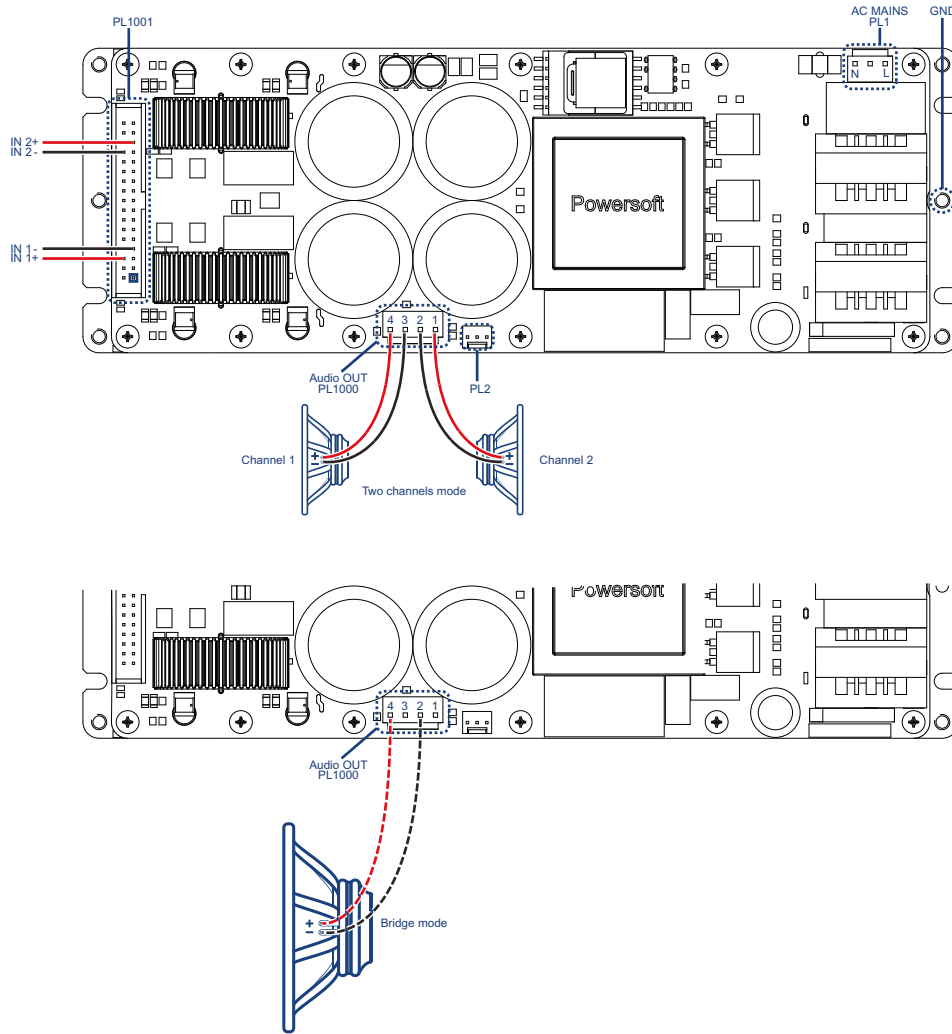


FIGURE 7: LiteMod and LiteMod HV connections.

LiteMod HV

General 概览	
Number of channels 通道数	2
Output power 输出功率	
2-channel mode 2通道模式	
8 Ω / Ch (balanced) 平衡	700 W
bridged mode 桥接	
16Ω / Ch pair	1400 W
Max output voltage 最大输出电压	120 V _{peak}
Max output current 最大输出电流	31 A _{peak}
AC Mains Power AC主电源	
Power supply 电源	Universal, regulated switch mode 通用开关电源
Nominal power requirement 电源要求	AC 100 V - 240 V, 50/60 Hz with PFC
Operating voltage 操作电压	AC 90 - 264 V
Power factor 功率因素	cos φ = 0.9 @ 360 W
Consumption 消耗	
Standby 待机	0.5 W
Idle 空闲	18 W
1/8 of max output power 最大输出功率 @ 8ohm	260 W

AUX supplies

Fan plug 风扇插口 (+12 V), max supply current draw 最大电流	150 mA
Max aux supply current draw 最大AUX供应电流 @ +12 V	500 mA
Max aux supply current draw 最大AUX供应电流 @ -12 V	200 mA
Max aux supply current draw 最大AUX供应电流 @ +5V	100 mA

Audio 音频

Gain 增益	26 dB
Frequency response 频率响应	20 Hz - 33 kHz (+0/-1 dB) @ 1 W, 8 Ω
S/N ratio 信噪比	119 dB
Crosstalk separation 串音分离	85 dB @ 1 kHz
Input sensitivity 输入灵敏度 @ 8OHM	4.23 V _{rms} / 14.7 dBu
Input impedance 输入阻抗	10 kΩ balanced
THD 总谐波失真+N / DIM100	< 0.08% from 0.1 W to full power 全功率 (typically <0.05%)
Slew rate 转换速率	50 V/μs @ 8 Ω , input filter bypassed
Damping factor 阻尼系数 @ 8OHM	> 10000 @ 100 Hz 输入带通

Construction 结构 :

Dimensions 尺寸 L x W x H	230 mm x 80 mm x 43.5 mm 9" x 3.1" x 1.7"
Weight 重量	870 g (1.92 lb)