

# FNS-SERIES

## MODEL: FPS6152

2-Way Full Range Power Loudspeaker System 二路全頻有源系統



### 特性:

- 橢圓形寬頻恒定指向性波導號角
- 完善短路、過載、限幅保護裝置
- 二路有源全頻系統
- 多角度箱體設計
- D類功放模組+DSP
- 穩定的性能
- 根據你的要求任意組合

### 應用:

- 會議中心、教堂、禮堂
- 劇場擴聲、主題公園
- 流動或固定安裝音視頻系統
- 舞臺側面補聲
- 酒吧、夜總會、俱樂部
- 小型現場擴聲

### Features:

- Oval wide frequency range firm directing horn
- Perfect short circuit, over loaded, over current protection component
- 2 way active full range system
- Multi angled cabinet
- D CLASS amplifier module+ DSP
- Steady performance
- Combine as you want

### Applications:

- Conference centers, churches, auditoriums
- Theater sound reinforcement, theme parks
- Mobile or fixed installation AV systems
- Stage side fills
- Bars, nightclubs, clubs
- Small performance PA

### 描述:

FPS6152是一款有源二分頻多用途揚聲器，它是FNS6152的有源版本。採用覆蓋角度為60° x50° 橢圓形寬頻恒定指向性波導號角裝載3"鈦膜高頻壓縮驅動器，搭配2x15"低頻驅動單元組成。多角度倒相式箱體結構，穩固扎實同時具有良好的聲學特性。FPS6152可以用于語言或音樂擴聲，比如獨立的全頻系統或配合大規模的分布式擴聲系統使用，配合其它系列低音音箱，能輕易地產生更高水平的音樂節目。多角度箱體結構可以垂直或水平安裝，也可以作為返送音箱使用。FPS6152使用多層膠合板制造箱體、堅固環保塗層保護外殼，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，頂底面和側後面共裝置了14顆M8吊裝螺絲，頂板配有一體化金屬壓鑄把手，音箱底部裝有支撐底座。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:

FPS6152 is an active 2 way multi use speaker, is the active version of FPS6152. 60° x50° oval wide frequency firm directing horn loaded with 3" titanium compression driver, 2x15" LF unit. Multi-angled phase inverted cabinet, strong and with good acoustic feature. FPS6152 can use for language or music extending, e.g. single full range or large distributing, use with other subwoofer, can make high level music programme. Multi-angle cabinet can fly vertical or horizontal, can also use as monitor. FPS6152 is made of multi layer plyowood, strong environmental, polygon hole grille (sticked acoustic foam inside), there are total 14 pcs M8 flying screws on top, bottom, back sides, and 1 integrated metal handle on top, 1 pole mount socket on bottom. The 2x700W D class amplifier is made by alu alloy, in the back of speaker, built-in DSP, electric crossover and amplitude limit, over loaded protect, there is a group of JACK/XLR output slot and volume button, LED light displaying power, level and over loaded status, 4 groups pre-sets.

## Specifications規格

### System 系統

Frequency Response 頻響	50 Hz - 18 kHz (±3 dB)
Sensitivity 靈敏度	99 dB SPL (1W @ 1m)
Nominal Impedance 阻抗	4 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
Nominal Dispersion 指向性	60° horizontal (水平), 50° vertical (垂直)
Crossover Frequency 分頻點	1.25 kHz

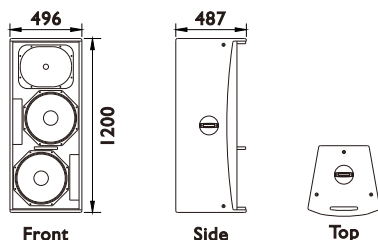
### Component Elements 系統組件

Low Frequency 低頻	2 x 15(in) 380 mm dia (直徑), 75 mm(3in) voice coil dia (音圈直徑)
High Frequency 高頻	1 x 3(in) 75 mm voice coil dia (音圈直徑), 38 mm(1.5in) throat dia (喉徑)

### PHYSICAL 箱體

Enclosure Construction 箱殼	15 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)
Rigging 懸掛	12 x M10 internal rigging points
Options 其它	Integral metal handles (4個一體化金屬把手)
Input Connectors 連接器	Speakon NL4 x 2
Dimensions 尺寸 H x W x D:	1200 mm x 496 mm x 487 mm
Net Weight 重量	57.58 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

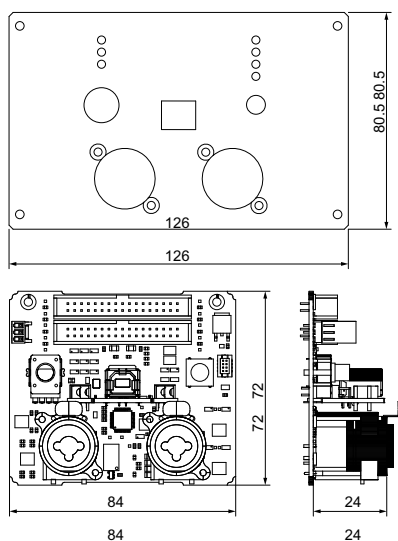
Frequency response频响	20 Hz - 20 kHz (-0.5 dB)
Max input voltage最大输入电压	8.2 V / +20 dBu
Max output voltage最大输出电压	4.1 V / +14.3 dBu
S/N ratio (analog-to-analog)SN 比(模拟到模拟)	> 113 dB
THD+N总谐波失真 :	< 0.02% (20 Hz - 20 kHz)

## 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.....

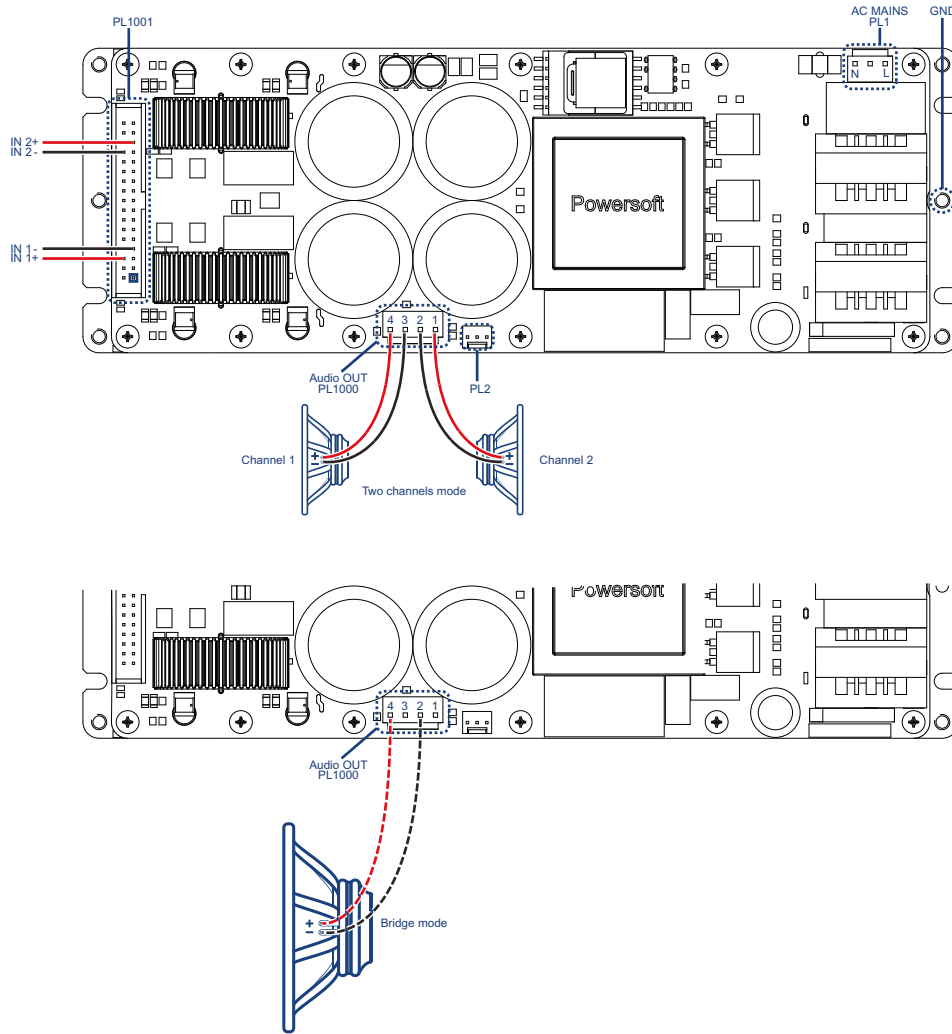


FIGURE 7: LiteMod and LiteMod HV connections.

## 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 <sub>peak</sub>
Max output current 最大输出电流	31 A <sub>peak</sub>
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 <sub>rms</sub> / 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)