

P-SERIES



PROPHON

INTRODUCTION

The P-series was designed for portable use, rental, installation and event, A series of versatile work-horses for a variety of applications. There are two models of subwoofers, P115 with 1x15" woofer, and P118 with 1 x 18" woofer, both subwoofers are available in passive versions and active self-powered versions, where the passive versions are powered by the P418DSP system amplifier, with 4 x 1500W @ 4 ohm (4x800W @ 8 ohm, 4 x 1800W @ 2 ohm).

In a sound system with the P121P passive fullrange speaker, one P418DSP system amplifier can power up to 8 pcs. of P118P and 8 pcs. of P121P. The active versions features built-in DSP-controlled amplifiers with 1200W RMS power, where the advanced DSP boasts 4 different presets incl. cardioid setting, adjustable crossover frequency, delay 0mS - 1000mS.

The P110 (10"/1") and P121 (12"/1") and P151 (15"/1") fullrange speakers are available in active and passive version, where the passive version features built-in dedicated passive crossover network 8 ohm input via Neutrik Speakon, with speaker top-hat for mounting on stand or speaker pole, handles, monitor angle and protective rubber feet. The active versions houses two separately DSP-controlled class-D amplifiers with 500W+150W RMS (1000W + 300W peak) class-D amplifiers, with four presets (Music, Live, DJ, speech) adjustable HP-filter (fullrange, 80Hz, 100Hz, 120Hz) Delay 0mS-1000mS, 3 custom EQ points, presets for using as monitor.

So wether using active systems or passive, the P-series is a reliable range of speakers for a variety of applications such as live stages, installation, theatre, club, portable use, for bands and DJ's, the rental- and event- industry, as stage-monitors, fullrange speakers or in a sound system with subwoofers.

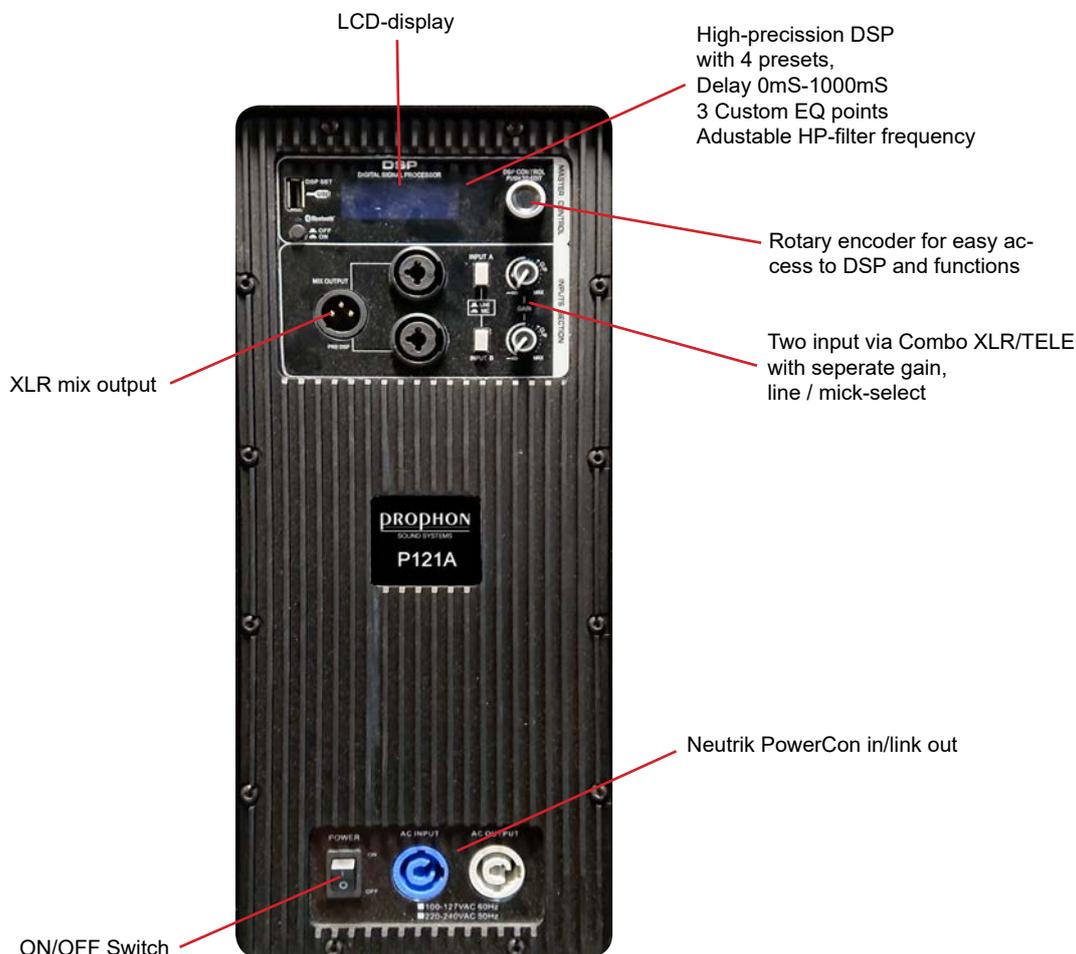
FEATURES

- ▶ Six models available in the series, each model available in active and passive version.
- ▶ Active versions with built-in Class-D amplifiers and DSP with presets, Delay, user-EQ
- ▶ Passive fullrange versions with dedicated passive crossover network 8 ohm, Neutrik NL4 speakon in
- ▶ A total of ten models available, five active and five passive
- ▶ Fullrange speakers can be used stand-alone fullrange, as stage monitors, and in sound systems with subwoofers, active or passive
- ▶ Perfect for small to medium size stages, installations, event and portable use
- ▶ Designed for live performance, speech, vocals, acoustic instruments
- ▶ Top hat for mounting on stand, handles, M20 top hat in the subwoofers for speaker pole
- ▶ The active versions of the P110, P121 and P151 features true bi amplification with 500W + 150W (1000W + 300W peak) dedicated class-D amplifiers, with individual DSP-controlled and phase-tuned amplifier channels.
- ▶ The active fullrange versions boasts features usually only found in more expensive active speakers, such as 4 presets with different sound (Live, Music, Speech, Club) 3-band EQ for custom setting, delay 0mS - 1000mS, adjustable High-Pass filter (80Hz, 100Hz, 120Hz, 24dB/oct.) for using with active subwoofers, 650W RMS / 1300W power (peak) monitor EQ for compensating when using as a stagemonitor
- ▶ The active versions of the subwoofers hosts a 1200W RMS class-D amplifier, with DSP and 4 presets for (live, music, club, cardioid), with delay 0mS - 1000mS, Adjustable Low-Pass filter and 3 EQ points for custom settings.



ACTIVE VERSIONS

The active versions features class-D amplifiers with DSP technology
 Subwoofers use 1200W RMS / 2400W peak amplifier module
 Fullrange speaker use 500W + 150W RMS / 1000W + 300W peak amplifier modules



SYSTEM AMPLIFIER FOR PASSIVE VERSIONS

The DSP controlled 19" system amplifier P418DSP, with 4x1500W @ 4 ohm (4x1800W@2ohm / 4x800W@8 ohm)
 1RU in height with Fully accessible DSP (either using the software or the front panel)





FIXED INSTALLATIONS

The P101 and P121 features a M10 threaded inset on top, and top hat in the bottom, they can be installed with the UB-series installation brackets, replacing the Top hat with a M10 plate allows for mounting the bracket. The P-series can also be installed using wall mounted speaker stands for top hat mounting, or with clamps fastened in the M10 threaded inset in the top of the speaker.

SOUND SYSTEM

The speakers in the P-series is a perfect match when using as complete portable or fixed installed sound systems, where the active versions is preferred for portable use, and the passive versions often is installed.



MODEL	P101 (A)	P121 (A)	P151 (A)	P115 (A)	P118 (A)
Design	Multi-purpose front-loaded bassreflex, direct radiating point-source fullrange speaker, active or passive			Front-loaded direct radiating vented bassreflex subwoofers	
Components	10" / 1" driver	12" / 1" driver	15" / 1"	1 x 15"	1 x 18"
Power Handling cont	400W	600W	800W	1100W	1200W
Frequency response	70Hz - 19kHz	60Hz - 19kHz	50Hz - 19kHz	40Hz - 150Hz	35Hz - 130Hz
Sensitivity	98dB	99dB	99dB	102dB	102dB
Max SPL (calc. peak)	130dB	130dB	131dB	133dB	133,5dB
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm
Dispersion	H80 x V60 parabolic waveguide			-	-
Dimensions	H47 x W33 x D30	H55 x W41 x D35	H65 x W45 x D40	H60 x W48 x D54	H72 x W50 x D60
Weight passive	10 kg.	13 kg.	17kg.	17 kg.	21 kg.
Weight active	12 kg.	15 kg.	15kg.	19 kg.	23 kg.
Additional information active version	500W+150W RMS (1000W+300W peak) class-D amplifier with DSP, 4 presets (music, speech, live, club) 3-band user EQ, Delay 0mS - 1000mS Adjustable HP-filter frequency, (80Hz, 100Hz, 120Hz) monitor presets			1 x 1200W RMS (2400W peak) class-D amplifier with DSP, 4 Presets (live, music, club, cardioid) User EQ, delay 0mS - 1000mS Adjustable LP-filter frequency	
Hardware	Installation bracket, rigging hardwares for fullrange speakers				