



Dynamic Audio Solutions

PF⁺ Series

**MULTI PURPOSE COMPACT
FULL RANGE SPEAKER**

**HIGH PERFORMANCE
SUBWOOFER**

QUICK START MANUAL

Revision A1-2011-09

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Welcome into the world of AUDIOCENTER , a world of Dynamic Audio Solutions. By acquiring a PF⁺ series speaker, you will enjoy a product embedded with the last technological achievement and the best materials in pro audio. Many years of effort were put to reach our goal of excellence, creating a system without any quality or compromise for real professional people. We hope you will be pleased to use your new speaker like we are pleased to design it.

SAFETY PRECAUTIONS

When setting up, installing and using the PF⁺ series speaker system, there are a number of important safety precautions that you should follow:

- 1 Some aspects of rigging are potentially hazardous. Any people using this equipment are personally responsible for their own safety. AUDIOCENTER transactions are made with the assumption that the purchaser is a qualified individual or will have only qualified individuals perform work with the equipment.
- 2 We strongly recommend that suspended speakers take into account all current national, federal, state and local regulations. It is the responsibility of the installer to ensure that, speakers are safely installed in accordance with all such regulations.
- 3 If any sign of weakness or damage is detected, remedial action should be taken immediately.
- 4 When speakers are used for portable applications in which they will be positioned directly on the floor, make sure that the floor or stage is solid and secure. Do not try to make the stand "taller" and compromise its structural integrity.
- 5 Do not attempt to suspend more than one speaker on a stand designed for a single speaker.
- 6 Route cables and position the stand so that performers, production crew and audience members will not trip over the stand or cables and pull the speaker system over. Secure cables with wire ties or tap whenever possible.
- 7 Do not place loudspeakers near the magnetic sensitivity devices such as CRT display, television monitors or data storage material.
- 8 Loudspeakers are capable of generating sound pressure levels sufficient to cause permanent hearing damage to anyone within normal coverage distance. Caution should be taken to avoid prolonged exposure to sound pressure levels exceeding 105dB SPL.
- 9 To obtain service, contact your nearest AUDIOCENTER Service Center or Dealer.

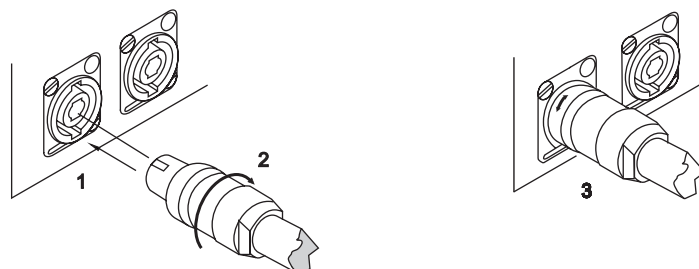
PREVENTING LOUDSPEAKER DAMAGE

In general, the more powerful the amplifier the better it will sound, provided that it is not driven into sustained clipping. It should be understood that over driving an insufficiently powered amplifier is more likely to cause loudspeaker damage. The total energy in a heavily clipped signal is far higher than in an unclipped signal than operating a more powerful amplifier within its ratings.

For long time working, it's very important to use a processor connected before the amplifier, calculate accurately the Numerical value of the limiter about the system, which will be set into the processor. if you don't have value of the limiter, please contact us. We look forward to helping you!

CONNECTING GUIDANCE

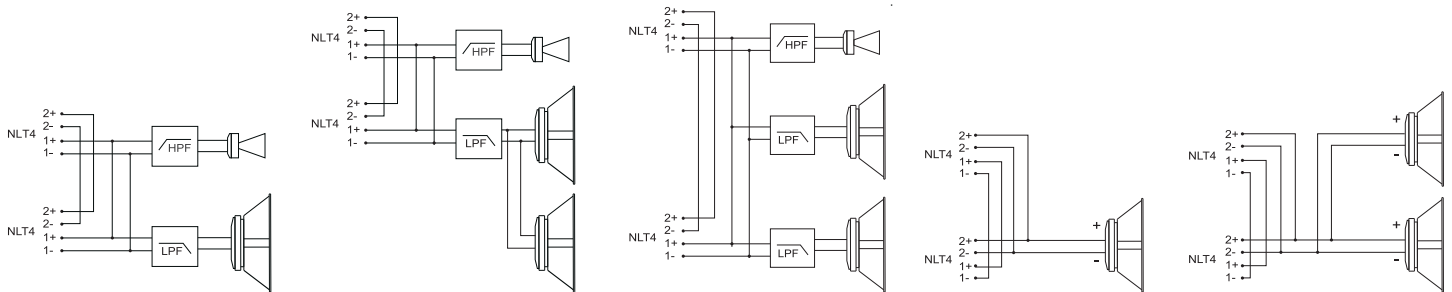
PF⁺ series uses two NEUTRIK NL4MP SPEAKON connectors. These connectors are specifically designed for loud speaker use, with in mind safe and reliable connection. To use your loudspeaker, insert the male SPEAKON connector into any of the input SPEAKON socket and rotate it clockwise. It will then lock into place and be ready for use. The two parallel connectors allow easy loop from one speaker to the next. Unused connector pins are also paralleled. Both connectors can be used as either inputs or outputs.



WIRING AND CONNECTING

To ensure quality sound and minimum power loss, the speaker cable needs to have a large enough cross section depending on the cable length, number of speakers per channel and speaker impedance. The total impedance for a number of speakers in parallel is equal to the impedance of one divided by the number of speakers.

WIRING SCHEMATIC



PF6⁺/PF8⁺/PF10⁺/PF12⁺/PF15⁺

PF26⁺

PF152⁺

PF115B⁺/PF118B⁺

PF215B⁺/PF218B⁺



PF6⁺



PF26⁺



PF8⁺



PF10⁺



PF12⁺



PF15⁺



PF152⁺



PF115B⁺



PF118B⁺



PF215B⁺



PF218B⁺

■ PF + Series data sheet

Specifications	PF6 ⁺	PF26 ⁺	PF8 ⁺	PF10 ⁺	PF12 ⁺	PF15 ⁺	PF152 ⁺	PF115B ⁺	PF118B ⁺	PF215B ⁺	PF218B ⁺																			
Rated Power (AES standards)	Continuous	120W	240W	200W	250W	400W	400W	800W	700W	800W	1400W	1600W																		
	Program	240W	480W	400W	500W	800W	800W	1600W	1400W	1600W	2800W	3200W																		
	Peak	480W	960W	800W	1000W	1600W	1600W	3200W	2800W	3200W	5600W	6400W																		
Impedance	8Ω		4Ω		8Ω		4Ω		8Ω		4Ω																			
Frequency Response (-6dB, anechoic chamber)	63Hz-20KHz			60Hz-20KHz			60Hz-19KHz			55Hz-18KHz			55Hz-19KHz			45Hz-20KHz			35Hz-300Hz			32Hz-300Hz			35Hz-300Hz			32Hz-300Hz		
Average Sensitivity	91dB/1W/1M		94dB/1W/1M		94dB/1W/1M		95.5dB/1W/1M		97dB/1W/1M		98dB/1W/1M		101dB/1W/1M		97dB/1W/1M		99dB/1W/1M		100dB/1W/1M		102dB/1W/1M									
	Continuous		112dB		118dB		117dB		119.5dB		123dB		124dB		130dB		125.5dB		128dB		131.5dB		134dB							
	Program		115dB		121dB		120dB		122.5dB		126dB		127dB		133dB		128.5dB		131dB		134.5dB		137dB							
Maximum Calculated SPL/1M	Peak		118dB		124dB		123dB		125.5dB		129dB		130dB		136dB		131.5dB		134dB		137.5dB		140dB							
	Directivity -6dB (H°xV°)		80°x70°(above 1400Hz)		90°x60°(above 1400Hz)		90°x60°(above 1400Hz)		90°x60°(above 1200Hz)																					
HF driver	Customized Beyma ferrite drivers, 1" exit, 1.7" voice coil											/																		
LF Driver	Customized Fatial ferrite drivers, 1.26" voice coil			Customized Beyma ferrite drivers, 2" voice coil			Customized Audiocenter ferrite drivers, 2" voice coil			Customized Beyma ferrite drivers, 3" voice coil			Customized Audiocenter ferrite drivers, 4" voice coil																	
Crossover	2800Hz		2400Hz		2200Hz		1800Hz		1900Hz		350Hz/1600Hz		/		/		/		/		/		/							
Crossover Mode	Passive											/																		
Hanging Hardwares	14 pcs M8 screw points											/																		
Average H2 Distortion	< 2% at 1W											/																		
Average H3 Distortion	< 0.5% at 1W											/																		
Monitor Use	/											Suitable																		
Pole Mount	Base hole φ 35mm											/																		
Cabinet	CNC made tongue and groove cabinet design made by Russian birch plywood											Base hole φ 35mm																		
Finish	Emery spraying											/																		
Optional Accessories	Flight case with 100mm wheels / Durable protection cover / M8 eyebolt / Safety bracket / Stainless steel shackle / Adjustable wall mount bracket / U bracket / Wheels											/																		
Dimensions(WxHxD)	200x379x215 mm		200x551x215 mm		256x424x274 mm		321x530x333 mm		342x586x348 mm		432x675x415 mm		480x1150x540 mm		458x506x606 mm		510x625x660 mm		1006x458x606 mm		984x625x660 mm									
Net Weight	7.3Kg		10.5Kg		11.5Kg		17.1Kg		21.0Kg		26.7Kg		56.0Kg		38.7Kg		50.6Kg		70.0Kg		91.0Kg									
Technical Support & After-sales Service	Global application support team											/																		