



Dynamic Audio Solutions

PF+MKII Series

**MULTI PURPOSE COMPACT
FULL RANGE SPEAKER**

**HIGH PERFORMANCE
SUBWOOFER**

QUICK START MANUAL

Welcome into the world of AUDIOCENTER , a world of Dynamic Audio Solutions. By acquiring a PF+MKII 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+MKII 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.

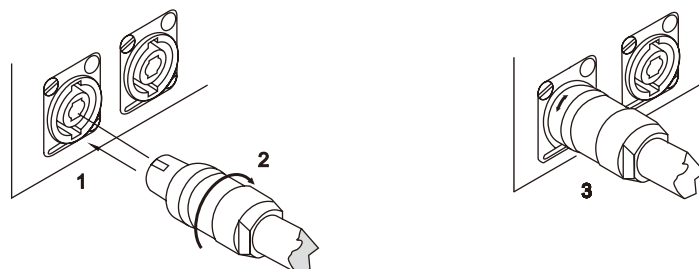
PREVENTING LOUDSPEAKER DAMAGE

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

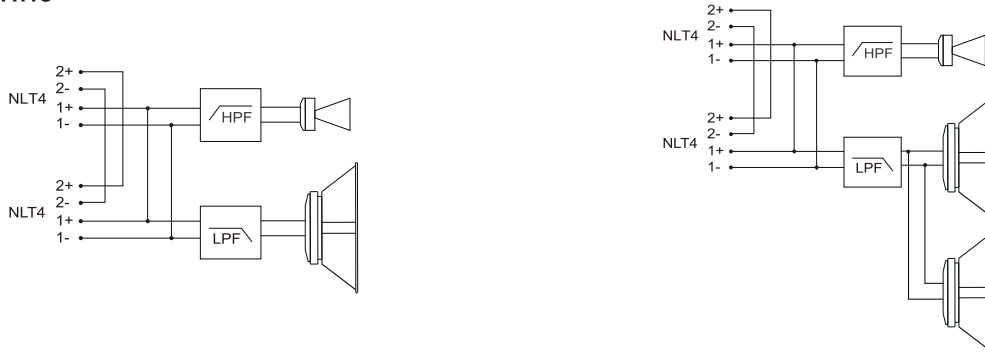
PF+MKII series uses two NEUTRIK NL4MP SPEAKON connectors. These connectors are specifically designed for loud speaker use, with in mind safe and reliable connection. To use your loudspeaker, insert the male SPEAKON connector into any of the input SPEAKON socket and rotate it clockwise. It will then lock 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+MKII/PF8+MKII/PF10+MKII/PF12+MKII/
PF15+MKII**

PF26 + MKII



PF6+MKII



PF8+MKII



PF10+MKII



PF12+MKII



PF15+MKII



PF26+MKII

■ PF+ MKII Series Specifications

Specifications		PF6+ MKII	PF26+ MKII	PF8+ MKII	PF10+ MKII	PF12+ MKII	PF15+ MKII
Power (ACE test standard)	Continuous	120W	240W	200W	250W	400W	500W
	Program	240W	480W	400W	500W	800W	1000W
	Peak	480W	960W	800W	1000W	1600W	2000W
Impedance	8Ω	4Ω			8Ω		
Frequency Response (-6dB, anechoic chamber)		63Hz-20KHz		60Hz-20KHz	56Hz-20KHz	53Hz-20KHz	52Hz-20KHz
Directivity -6dB (H°xV°)			80° x 70°			90°x40°/60°x40° optional	
Average Sensitivity		91dB/1W/1M	94dB/1W/1M	94dB/1W/1M	96dB/1W/1M	97dB/1W/1M	99dB/1W/1M
	Continuous	112dB	118dB	117dB	120dB	123dB	126dB
	Program	115dB	121dB	120dB	123dB	126dB	129dB
Maximum Calculated SPL/1M	Peak	118dB	124dB	123dB	126dB	129dB	132dB
	HF	Customized Beyma HF driver , ferrite, 1" exit , 1.75" voice coil					
Driver	LF	Customized Fatai ferrite drivers, 1.26" voice coil		Customized Beyma ferrite drivers, 2" voice coil	Customized Beyma LF driver , ferrite, 2.5" voice coil	Customized Beyma LF driver , ferrite , 3" voice coil	
	Crossover	2200Hz	2000Hz	1300Hz	1400Hz	1450Hz	
Crossover Mode	Passive crossover						
Hangling Hardwares	7 pcs M8 screw points		13 pcs M8 screw points	11 pcs M8 screw points	9 pcs M8 screw points		
Pole Mount	Base hole φ 35mm		0°and 10° , 1 base holes Φ35mm at the bottom				
Cabinet	CNC made tongue and groove cabinet design made by Russian birch plywood						
Finish	Emery spraying						
Connectors	2×NEUTRIK® Speakon NL4MP						
Optional Accessories	Flight case with 100mm wheels / Durable protection cover / M8 eyebolt / Safety bracket / Stainless steel shackle / Adjustable wall mount bracket / U bracket						
Dimensions(W×H×D)	200x379x215mm	200x551x215mm	256x424x274mm	300x568x310mm	355x611x347mm	443x726x427mm	
Net Weight	6.7Kg	10Kg	10.5Kg	18.2Kg	26.0Kg	37.5Kg	
Technical Support & After-sales Service	Global application support team, EASE GLL files						