■ PF+ MKII Series Specifications

SPECIFICATIONS		PF15+ MKII90 PF15+ MKII60	PF12+ MKII90 PF12+ MKII60	PF10+ MKII90 PF10+ MKII60	PF8+ MKII
Power (AES standards)	Rated	500W	400W	250W	200W
	Program	1000W	800W	500W	400W
	Peak	2000W	1600W	1000W	800W
Impedance		8Ω			
Frequency Response (-6dB anechoic chamber)		52Hz-20KHz	53Hz-20KHz	56Hz-20KHz	60Hz-20KHz
Directivity -6dB(H°×V°)		90°×40°(PF10+ MKII90/PF12+ MKII90/PF15+ MKII90) 60°×40°(PF10+ MKII60/PF12+ MKII60/PF15+ MKII60)			80°×70°(above 1400Hz)
Maximum Calculated SPL/1M	Continuous	127dB	126dB	121dB	118dB
	Program	130dB	129dB	124dB	121dB
	Peak	133dB	132dB	127dB	124dB
Drivers	HF	Customized driver, 2.84” voice coil, 1.4” exit	Customized driver, 1.75” voice coil,1.4” exit		Customized driver, 1.75” voice coil,1” exit
	LF	Customized driver, 3” voice coil		Customized driver, 2.5” voice coil	Customized driver, 2” voice coil
Crossover Points		1500Hz		1800Hz	2000Hz
Crossover Mode		Passive			
Hanging Hardwares		13pcs M8 screw			7pcs M8 screw
Pole Mount		Base hole ф35mm, 10°, 0°adjustable			Base hole ф35mm
Cabinet		High density Russian birch plywood CNC made			
Connectors		2 x Speaker connector			
Optional Accessories		Flightcase with 100mm wheels/Durable rain bag/M8 eyebolt/Safety bracket/ D shackle/steel wire/Flexible wall mounting bracket /U bracket			
Dimensions(W×H×D)		443×726×405mm	354×605×323mm	300×568×309mm	256×424×274mm
Net Weight		33.0Kg	23.0Kg	18.0Kg	11.5Kg
Technical Support and After-sales Service		Global application support team, EASE GLL files			

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AUDIOCENTER

Dynamic Audio Solutions



PF+ MKII Series

Multi-purpose Compact Loudspeaker

PF+ MKII Series is multi-purpose compact loudspeaker specially designed for mid-high end professional audio market.

It is widely used in fixed installation and touring performance such as bar, nightclub, multi-functional hall, auditoriums, museum, house of worship, lecture hall, wedding ceremony, commercial announcement, etc.

www.audiocenter.net sales@ac-pro.net www.facebook.com/Audiocenter.Globe

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IMPORTANT FEATURES

Customized ProDriver

Latest driver technology and customized driver ensure very clear and clean sound quality and an impressive sound dynamic.

v/h adjust HF-Horn Geometry

The HF horn is 90° rotatable for different needs.

Smart Crossover Design

15 years experienced Smart crossover technology, American Benelec XPP audio capacitor, iron-core inductor, customized metal resistor and manually soldered fiber board ensure stability and consistency and zero consumption, even with very high dynamic sound pressure.

Solid Wood Construction

Optimized and compact CNC made cabinet of Russian birch plywood is light-weight, very suitable for touring application.

Unique Driver Protection Circuit

When the HF driver of full range loudspeaker overloads for a long time, the unique protection circuit on the crossover board will limit the current or cut off the signal to the driver, thus to protect the driver from damage.

MultiEnclosure

The enclosure can be mounted in multi angles according to the installation needs.

DMF Composite Material Horn Design

The hybrid horn design using DMF composite materials makes sure of HF equalization, high-efficient signal and extremely low distortion.

EASE GLL

We provide EASE GLL file for free.

PF15⁺ MKII90 / PF15⁺ MKII60

PF15⁺ MKII90 / PF15⁺ MKII60 is a passive crossover full range speaker. It is widely used in fixed installation and touring performance place such as bar, nightclub, multi-functional hall, museum, house of worship, commercial announcements, lecture, wedding, etc.

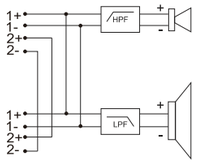
PF15⁺ MKII90 / PF15⁺ MKII60 adopts customized HF driver with 2.84"voice coil, composite membrane made of aeronautical material and unique driver protection circuit, and customized 15"LF driver with 3"voice coil. The vibrating diaphragm adds with special formula material, which increases LF Mechanical control ability. The drivers are with advanced cooling system.

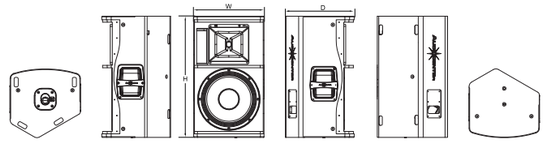
HF horn is made of DMF composite material to ensure very warm and dynamic sound. The waveguide system provides coverage angle and the angle is 90°rotatable. This ensures accurate coverage no matter in vertical or horizontal direction.

15 years experienced Smart crossover technology, American ERSE MET audio capacitor, iron-core inductor, customized metal resistor and manually soldered fiber board ensure stability and consistency and zero consumption, even with very high dynamic sound pressure.

The cabinet is made of CNC made Russian birch plywood, and is tongue and groove assembly. Open-molded customized handle made of aluminum conforms to ergonomics.







Dimension(W×H×D):443×726×405mm

FEATURES

- Customized driver
- American EASE MET audio capacitor with stable quality, reliable performance
- Manually soldered fiber board to ensure zero consumption even in very high dynamic
- Unique driver protection circuit and high-efficient cooling system of the driver
- DMF composite material HF horn design, coverage angle 90° rotatable
- Solid CNC cabinet made of original Russian birch plywood, exquisite outlook and waterproof enclosure
- Tongue and groove assembly, compact and seamless CNC cabinet design ensures low resonance

SYSTEM CONFIGURATION

- PRO series amplifier
- EA5 series subwoofer

SPECIFICATION

Type	Passive crossover full range speaker
Frequency Response (-6dB anechoic chamber)	52Hz-20KHz
Rated Power (AES)	500W
Maximum Calculated SPL/1M(Continuous/Peak)	127dB/133dB
PF15⁺MKII90 Coverage Angle (Symmetrical)	90°×40°
PF15⁺MKII60 Coverage Angle (Symmetrical)	60°×40°
LF Driver	Customized driver, 3"voice coil, 500W(AES)
HF Driver	Customized driver, 1.4"exit, 2.84"voice coil, 70W(AES)
Crossover Point	1500Hz
Impedance	8Ω(+1, -1)
1 Way Amplifier	2pcs maximum, 4Ω
Hanging Hardwares	M8 screw
Pole Mount	Base hole φ35mm (10°, 0°adjustable)
Input Connectors	2×Speaker connector
Cabinet Material	Russian birch plywood CNC made
Cabinet Color	Black is standard and default color. Consult with Audiocenter sales team for other customized colors
Dimension (W×H×D)	443x726x405mm
Net Weight	33.0Kg

Dynamic Audio Solutions

PF12⁺ MKII90 / PF12⁺ MKII60

PF12⁺ MK**II**90 / PF12⁺ MK**II**60 is a passive crossover full range speaker. It is widely used in fixed installation and touring performance place such as bar, nightclub, multi-functional hall, museum, house of worship, commercial announcements, lecture, wedding, etc.

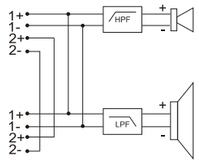
PF12⁺ MK**II**90 / PF12⁺ MK**II**60 adopts customized HF driver with1.75"voice coil, composite membrane made of aeronautical material and unique driver protection circuit, and customized 12" LF driver with 3"voice coil. The vibrating diaphragm adds with special formula material, which increases LF Mechanical control ability. The drivers are with advanced cooling system.

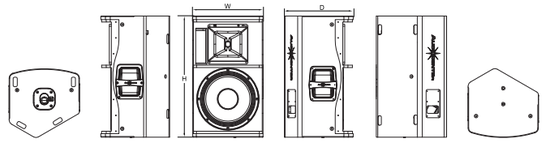
HF horn is made of DMF composite material to ensure very warm and dynamic sound. The waveguide system provides coverage angle and the angle is 90°rotatable. This ensures accurate coverage no matter in vertical or horizontal direction.

15 years experienced Smart crossover technology, American ERSE MET audio capacitor, iron-core inductor, customized metal resistor and manually soldered fiber board ensure stability and consistency and zero consumption, even with very high dynamic sound pressure.

The cabinet is made of CNC made Russian birch plywood, and is tongue and groove assembly. Open-molded customized handle made of aluminum conforms to ergonomics.







Dimension(W×H×D):354×605×323mm

FEATURES

- Customized driver
- American ERSE MET audio capacitor with stable quality, reliable performance
- Manually soldered fiber board to ensure zero consumption even in very high dynamic
- Unique driver protection circuit and high-efficient cooling system of the driver
- DMF composite material HF horn design, coverage angle 90° rotatable
- Solid CNC cabinet made of original Russian birch plywood, exquisite outlook and waterproof enclosure
- Tongue and groove assembly, compact and seamless CNC cabinet design ensures low resonance

SYSTEM CONFIGURATION

- PRO series amplifier
- EA5 series subwoofer

SPECIFICATION

Type	Passive crossover full range speaker
Frequency Response (-6dB anechoic chamber)	53Hz-20KHz
Rated Power (AES)	400W
Maximum Calculated SPL/1M(Continuous/Peak)	126dB/132dB
PF12⁺MKII90 Coverage Angle (Symmetrical)	90°×40°
PF12⁺MKII60 Coverage Angle (Symmetrical)	60°×40°
LF Driver	Customized driver, 3"voice coil, 400W(AES)
HF Driver	Customized driver, 1.4"exit, 1.75"voice coil, 70W(AES)
Crossover Point	1500Hz
Impedance	8Ω(+1, -1)
1 Way Amplifier	2pcs maximum, 4Ω
Hanging Hardwares	M8 screw
Pole Mount	Base hole ф35mm (10°, 0°adjustable)
Input Connectors	2×Speaker connector
Cabinet Material	Russian birch plywood CNC made
Cabinet Color	Black is standard and default color. Consult with Audiocenter sales team for other customized colors
Dimension (W×H×D)	354x605x323mm
Net Weight	23.0Kg

PF10⁺ MKII90 / PF10⁺ MKII60

PF10⁺ MK**II**90 / PF10⁺ MK**II**60 is a passive crossover full range speaker widely used in fixed installation such as multi-functional hall, museum, house of worship, commercial announcements etc.

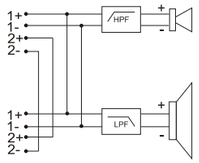
PF10⁺ MK**II**90 / PF10⁺ MK**II**60 adopts customized HF driver with1.75" voice coil, composite membrane made of aeronautical material and unique driver protection circuit, and customized 10" LF driver with 2.5" voice coil. The vibrating diaphragm adds with special formula material, which increases LF Mechanical control ability. The drivers are with advanced cooling system.

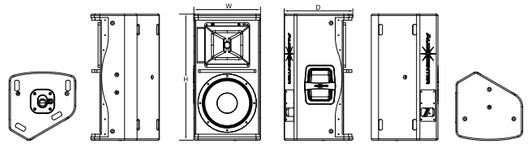
HF horn is made of DMF composite material to ensure very warm and dynamic sound. The waveguide system provides coverage angle and the angle is 90°rotatable. This ensures accurate coverage no matter in vertical or horizontal direction.

15 years experienced Smart crossover technology, American ERSE MET audio capacitor, iron-core inductor, customized metal resistor and manually soldered fiber board ensure stability and consistency and zero consumption, even with very high dynamic sound pressure.

The cabinet is made of CNC made Russian birch plywood, and is tongue and groove assembly. Black and white cabinets are available. Customized color according to the RAL code is available.







Dimension(W×H×D):300×568×309mm

FEATURES

- Customized driver
- American ERSE MET audio capacitor with stable quality, reliable performance
- Manually soldered fiber board to ensure zero consumption even in very high dynamic
- Unique driver protection circuit and high-efficient cooling system of the driver
- DMF composite material HF horn design, coverage angle 90° rotatable
- Solid CNC cabinet made of original Russian birch plywood, exquisite outlook and waterproof enclosure
- Tongue and groove assembly, compact and seamless CNC cabinet design ensures low resonance

SYSTEM CONFIGURATION

- PRO series amplifier
- EA5 series subwoofer

SPECIFICATION

Type	Passive crossover full range speaker
Frequency Response (-6dB anechoic chamber)	56Hz-20KHz
Rated Power (AES)	250W
Maximum Calculated SPL/1M(Continuous/Peak)	121dB/127dB
PF10⁺MKII90 Coverage Angle (Symmetrical)	90°×40°
PF10⁺MKII60 Coverage Angle (Symmetrical)	60°×40°
LF Driver	Customized driver, 2.5"voice coil, 250W(AES)
HF Driver	Customized driver, 1.4"exit, 1.75"voice coil, 70W(AES)
Crossover Point	1800Hz
Impedance	8Ω(+1, -1)
1 Way Amplifier	2pcs maximum, 4Ω
Hanging Hardwares	M8 screw
Pole Mount	Base hole ф35mm (10°, 0°adjustable)
Input Connectors	2×Speaker connector
Cabinet Material	Russian birch plywood CNC made
Cabinet Color	Black is standard and default color. Consult with Audiocenter sales team for other customized colors
Dimension (W×H×D)	300×568×309mm
Net Weight	18.0Kg

Dynamic Audio Solutions

PF8⁺ MKII

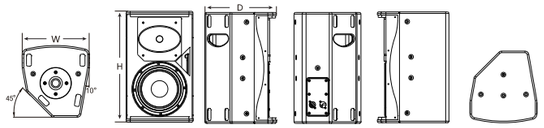
PF8⁺ MK**II** is a passive crossover full range speaker widely used in fixed installation such as multi-functional hall, museum, house of worship, commercial announcements, etc.

PF8⁺ MK**II** adopts customized HF driver with1.75”voice coil, composite membrane and unique driver protection circuit, and customized 8”LF driver with 2”voice coil. The drivers are with advanced cooling system.

HF horn is made of DMF composite material to ensure very warm and dynamic sound. The coverage angle is (H°×V°) 80°×70°and the horn is 90°rotatable. This ensures accurate coverage no matter in vertical or horizontal direction.

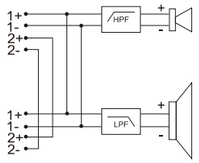
15 years experienced Smart crossover technology, American Benelec XPP audio capacitor, iron-core inductor, customized metal resistor and manually soldered fiber board ensure stability and consistency and zero consumption, even with very high dynamic sound pressure.

The cabinet is made of CNC made Russian birch plywood, and is tongue and groove assembly.



Dimension(W×H×D):256×424×274mm





FEATURES

- Customized driver
- American Benelec XPP audio capacitor with stable quality, reliable performance
- Manually soldered fiber board to ensure zero consumption even in very high dynamic
- Unique driver protection circuit and high-efficient cooling system of the driver
- DMF composite material HF horn design, coverage angle 90° rotatable
- Solid CNC cabinet made of original Russian birch plywood, exquisite outlook and waterproof enclosure
- Tongue and groove assembly, compact and seamless CNC cabinet design ensures low resonance

SYSTEM CONFIGURATION

- PRO series amplifier
- EA5 series subwoofer

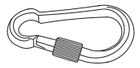
SPECIFICATION

Type	Passive crossover full range speaker
Frequency Response (-6dB anechoic chamber)	60Hz-20KHz
Rated Power (AES)	200W
Maximum Calculated SPL/1M(Continuous/Peak)	118dB/124dB
Horizontal Coverage Angle (Symmetrical)	80°
Vertical Coverage Angle (Symmetrical)	70°
LF Driver	Customized driver, 2”voice coil, 200W(AES)
HF Driver	Customized driver, 1”exit, 1.75”voice coil, 50W(AES)
Crossover Point	2000Hz
Impedance	8Ω(+1, -1)
1 Way Amplifier	2pcs maximum, 4Ω
Hanging Hardwares	M8 screw
Pole Mount	Base hole ф35mm
Input Connectors	2×Speaker connector
Cabinet Material	Russian birch plywood CNC made
Cabinet Color	Black is standard and default color. Consult with Audiocenter sales team for other customized colors
Dimension (W×H×D)	256×424×274mm
Net Weight	11.5Kg

ACCESSORIES



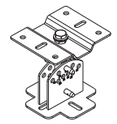
M8 eyebolt
Bearing 200KG



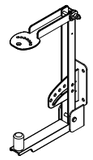
M8 safety bracket
Bearing 130KG



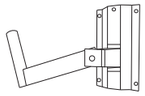
Φ3 steel wire
The wire is 3mm diameter, 1M long with wire ear and wire jacket, bearing 60KG



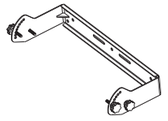
Single point hanging frame
(PF8⁺MKII & PF10⁺MKII90/PF10⁺MKII60 & PF12⁺MKII90/PF12⁺MKII60)
Bearing 80KG



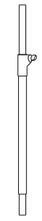
Wall mounting frame(PF8⁺MKII)
Bearing 40KG



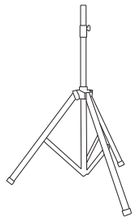
Flexible wall mounting frame
(PF8⁺MKII & PF10⁺MKII90/PF10⁺MKII60 & PF12⁺MKII90/PF12⁺MKII60)
Bearing 40KG



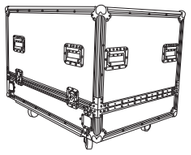
Horizontal U bracket
(PF10⁺MKII90/PF10⁺MKII60 & PF12⁺MKII90/PF12⁺MKII60 & PF15⁺MKII90/PF15⁺MKII60)
Bearing 60KG



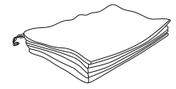
Coupling bar
Bearing 50KG



Three-feet stand
Bearing 80KG



Flightcase(customized)
For 2 cabinets, with 100mm wheels



Rain bag(customized)

INSTALLATIONS