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GT Passive Series

Passive Full Range Loudspeaker

The GT Series is a professional passive loudspeaker designed for mobile and fixed installations both as main sound reinforcement system or stage monitor.

GT Series has been conceived as a multipurpose series suitable for multi-function halls, multimedia conference rooms, lecture halls, museums, exhibition centers, houses of worship, theaters and any venue where sound quality is paramount.





Joan La Roda
Audiocenter R&D Director

Joan La Roda is an European electro-acoustic engineer, graduated from the Polytechnic University of Valencia (Spain), began his career in the audio industry since 1990 and has held various positions since then. During these 33 years, he first worked as a touring sound engineer, gaining experience in real-life situations. Then successfully designed sound systems for the largest Spanish audio manufacturer, including a top-selling stage monitor which is with linear phase response using FIR filters. After this period, he continued his career as a loudspeaker designer for several companies.

He has published educational articles in Spanish and English on phase alignment and tuning of cardioid subwoofers and has given educational seminars in Southeast Asia, Europe, Oceania and Latin America. Recently he published a book in Spanish to help people make the right choice when buying a sound system. He now uses BEM (Boundary Element Method) techniques to design horns and line array waveguides for Audiocenter.

Design Concept

- Unique and proprietary original technology and patents
Adhering to the principle of standing on the shoulders of giants, Audiocenter integrates top European R&D teams and top European loudspeaker and electronic suppliers.
- To create stylish and compact loudspeaker designs with expert craftsmanship, high sound pressure levels, and versatile applications
- Serving the largest customer base with the best products
- Allow more people to enjoy the latest and most advanced technology
- Durable and suited to all weather conditions and scenarios



Important Features



Customized ProDriver

Latest driver technology and customized drivers ensure a clean sound and impressive dynamics.



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.



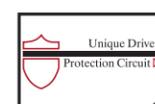
Smart Crossover Design

30 years experience Smart crossover technology to ensure zero consumption even in very high dynamic output.



Rotatable Horn

The 90°x60° HF horn can be rotated allowing to choose the horizontal and vertical angles that best suits your needs.



Unique Driver Protection Circuit

When the HF driver of full range loudspeaker overloads for 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.



Solid Wood Cabinet

Optimized and compact cabinet structure design, using high-quality CNC cabinet, strong and moisture-proof, suitable for mobile applications.



Durable Polyurea Coating

The polyurea coating is waterproof, wear resistance, impact resistance and aging resistance.



Double Pole Mount

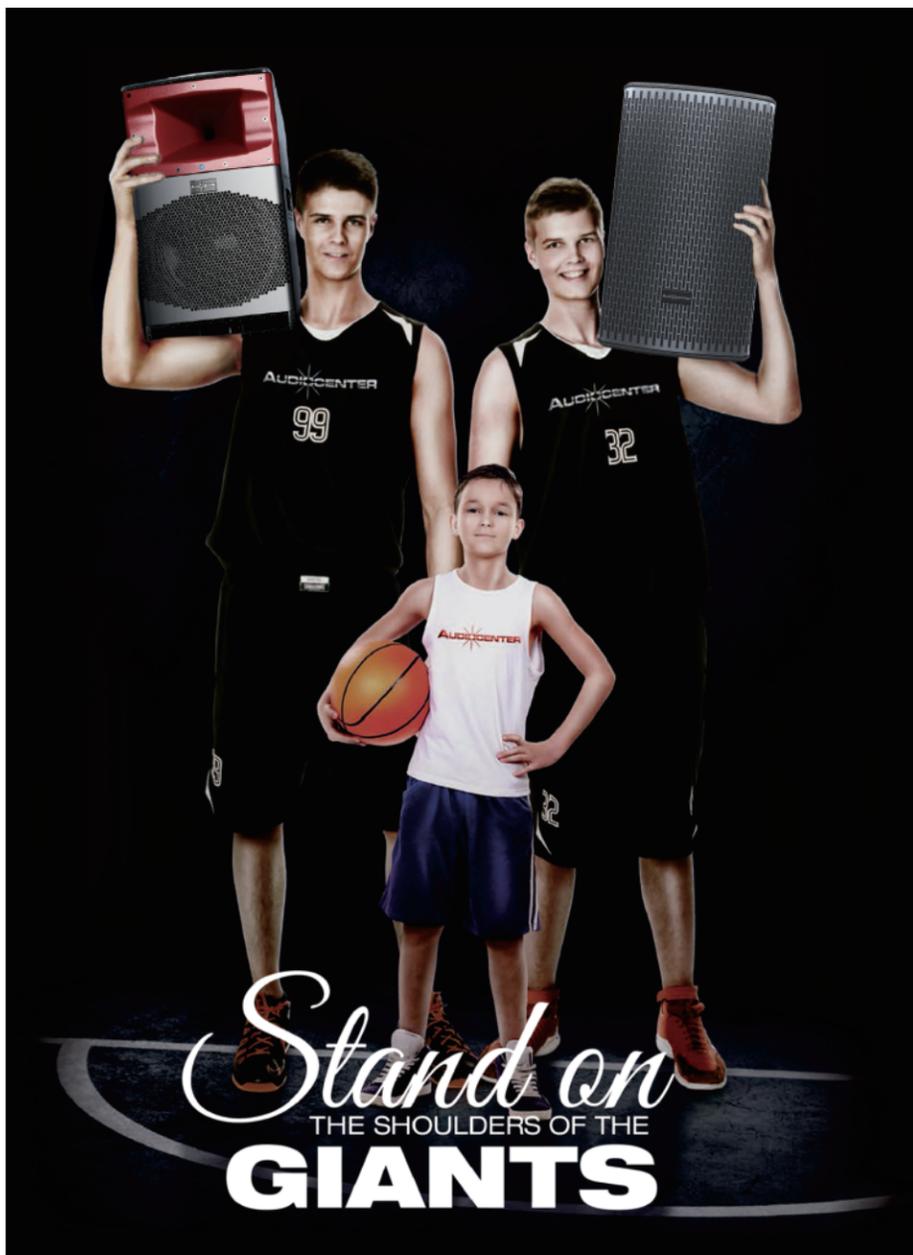
GT passive series adopts 0° or 10° options pole mount.

Europe R&D design, German engineering standards



German Office

Gildestr.2,D-49477 Ibbenbüren



Customized ProDriver

Latest driver technology and customized drivers ensure a clean sound and impressive dynamics.



Smart Crossover Design

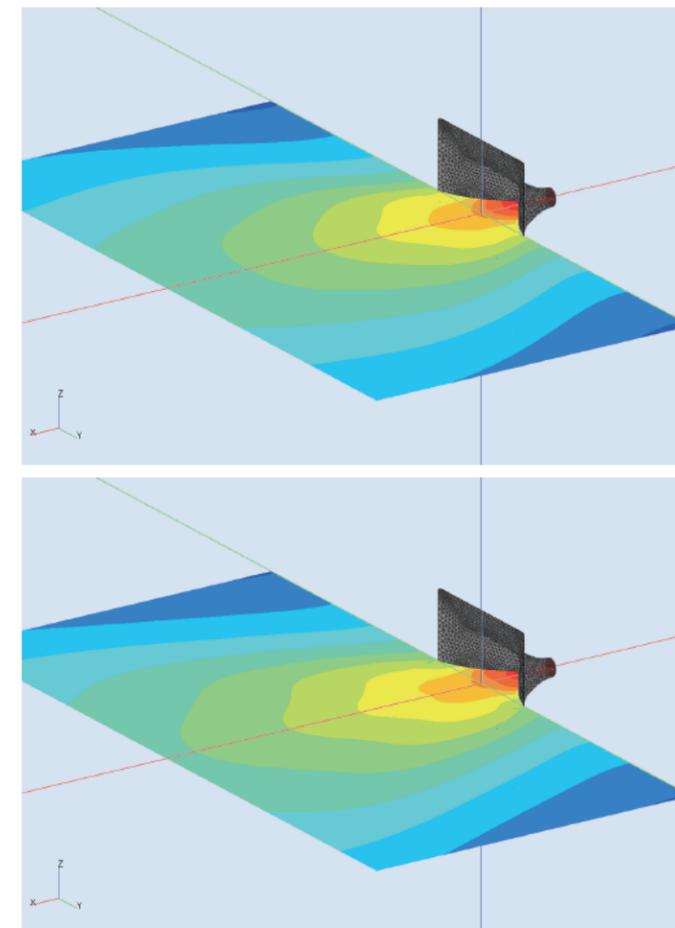
30 years experience Smart crossover technology

AUDIOCENTER Horn Technology

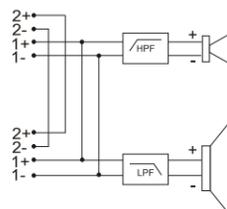
The horn used in the GT passive series has been developed in house by AUDIOCENTER R&D Department, using advanced and sophisticated Boundary Element Method (BEM) technology. It is an original and innovative horn created by integrating Audiocenter's rich experience in the audio industry.

GT passive series employs a unique horn design, with strong high-frequency penetration and transparency while providing a smooth coverage.

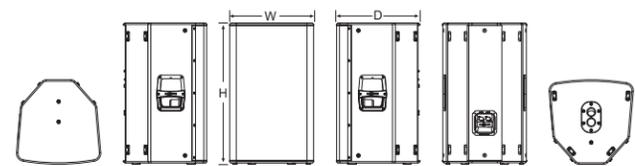
The high-frequency horn provides a coverage angle of 90°x60° is rotatable.



GT515P



Specification	
Type	Passive full range loudspeaker
Rated power(AES)	400W
Frequency Response(-10dB)	40Hz-20kHz
Horizontal Coverage	90°/60°
Vertical Coverage	60°/90°
Maximum Calculated SPL/1M(Continuous/Peak)	130dB/136dB
HF	1.75" voice coil, 1.0" exit
LF	15" driver, 3.0" voice coil
Impedance	8Ω
Crossover Mode	Passive
Crossover Point	1.2kHz
Input Connectors	Speakon 4Pin
CABINET	
Cabinet Material	CNC machined plywood
Coating	Durable Polyurea Coating
Cabinet Color	Black is the default color. Contact Audiocenter for customization
Grille	Iron mesh
Handles	2 side
Monitor Angle	Symmetrical 45° monitoring Angle
Hanging Hardwares	M8 screw
Pole Mount	Base hole Φ35mm, 0° or 10° options
Speaker Dimension (W×H×D)	421x696x416mm
Carton Dimension (W×H×D)	516x785x516mm
Net Weight	22.0 kg
Shipping Weight	26.0 kg



Dimension(W×H×D):421×696×416mm

Product Profile

GT515P features a built-in passive crossover. This loudspeaker can be used in multimedia function halls, museums, houses of worship, shopping malls and other fixed installations.

The cabinet is made of high-quality wood, with an innovative and compact multi-purpose symmetrical cabinet structure CNC machined. This provides clear and powerful perfect sound quality. The base mounting holes are available in 0° or 10° options. According to different installation locations and methods, the cabinet can meet different sound reinforcement installation environments.

Product Features

- Customized ProDriver
- Smart Crossover Design to ensure zero consumption even in very high dynamic output
- Unique Driver Protection Circuit
- DMF Composite Material Horn Design
- 90 ° rotatable HF horn
- Durable Polyurea Coating
- Double Pole Mount
- Optimized and compact cabinet structure design

Suggested Application



Multi-functional meeting room



House of worship



Museum



Lecture



Meeting room



Stage Monitor



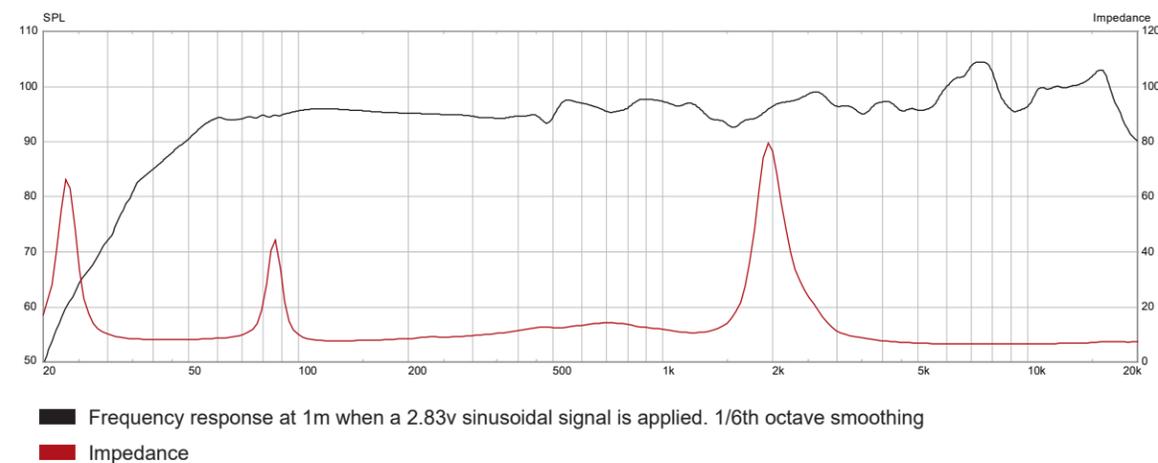
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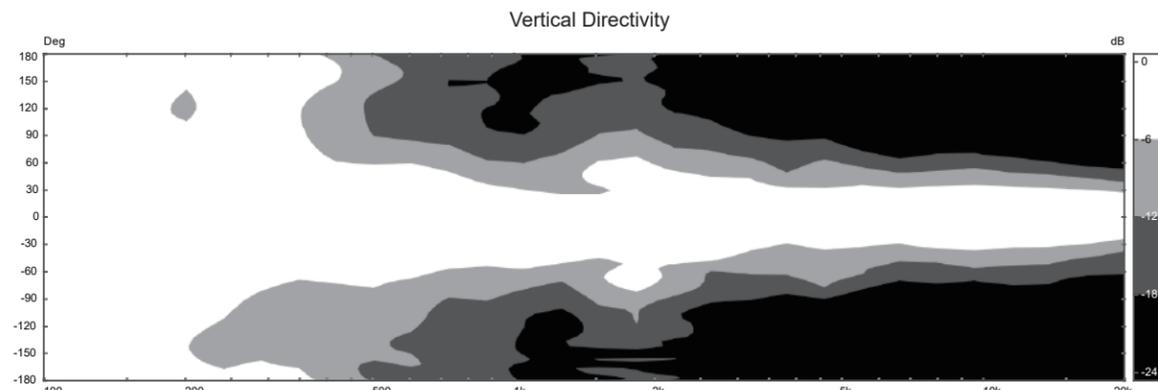
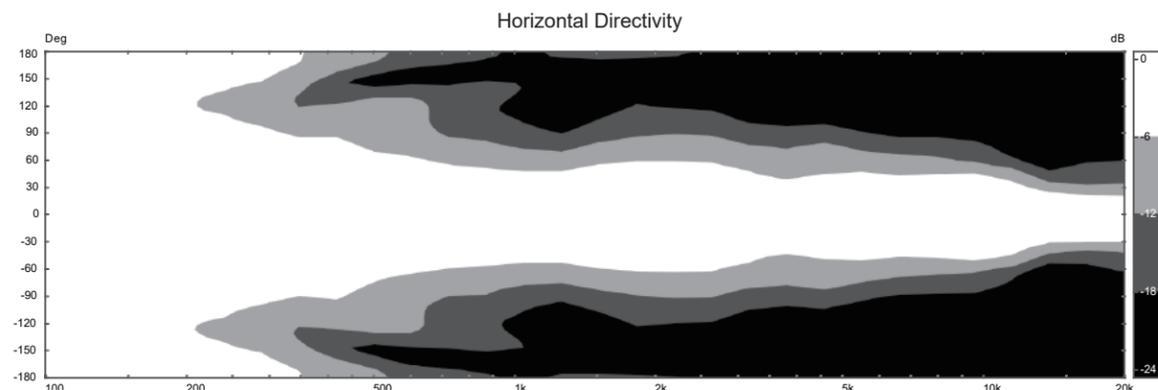
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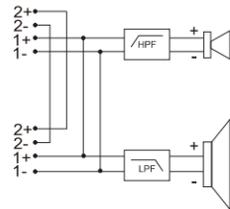
Frequency Response Graphs



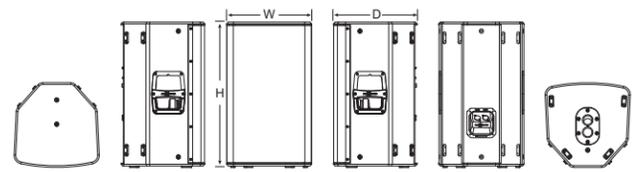
Normalized Isobar Plot



GT512P



Specification	
Type	Passive full range loudspeaker
Rated power(AES)	400W
Frequency Response(-10dB)	42Hz-20kHz
Horizontal Coverage	90°/60°
Vertical Coverage	60°/90°
Maximum Calculated SPL/1M(Continuous/Peak)	128dB/134dB
HF	1.75" voice coil, 1.0" exit
LF	12" driver, 3.0" voice coil
Impedance	8Ω
Crossover Mode	Passive
Crossover Point	1.2kHz
Input Connectors	Speakon 4Pin
CABINET	
Cabinet Material	CNC machined plywood
Coating	Durable Polyurea Coating
Cabinet Color	Black is the default color. Contact Audiocenter for customization
Grille	Iron mesh
Handles	2 side
Monitor Angle	Symmetrical 45° monitoring Angle
Hanging Hardwares	M8 screw
Pole Mount	Base hole Φ35mm, 0° or 10° options
Speaker Dimension (W×H×D)	355x599x349mm
Carton Dimension (W×H×D)	446x688x446mm
Net Weight	19.0 kg
Shipping Weight	22.0 kg



Dimension(W×H×D):355×599×349mm

Product Profile

GT512P features a built-in passive crossover. This loudspeaker can be used in multimedia function halls, museums, houses of worship, shopping malls and other fixed installations.

The cabinet is made of high-quality wood, with an innovative and compact multi-purpose symmetrical cabinet structure CNC machined. This provides clear and powerful perfect sound quality. The base mounting holes are available in 0° or 10° options. According to different installation locations and methods, the cabinet can meet different sound reinforcement installation environments.

Product Features

- Customized ProDriver
- Smart Crossover Design to ensure zero consumption even in very high dynamic output
- Unique Driver Protection Circuit
- DMF Composite Material Horn Design
- 90° rotatable HF horn
- Durable Polyurea Coating
- Double Pole Mount
- Optimized and compact cabinet structure design

Suggested Application



Multi-functional meeting room



House of worship



Museum



Lecture



Meeting room



Stage Monitor



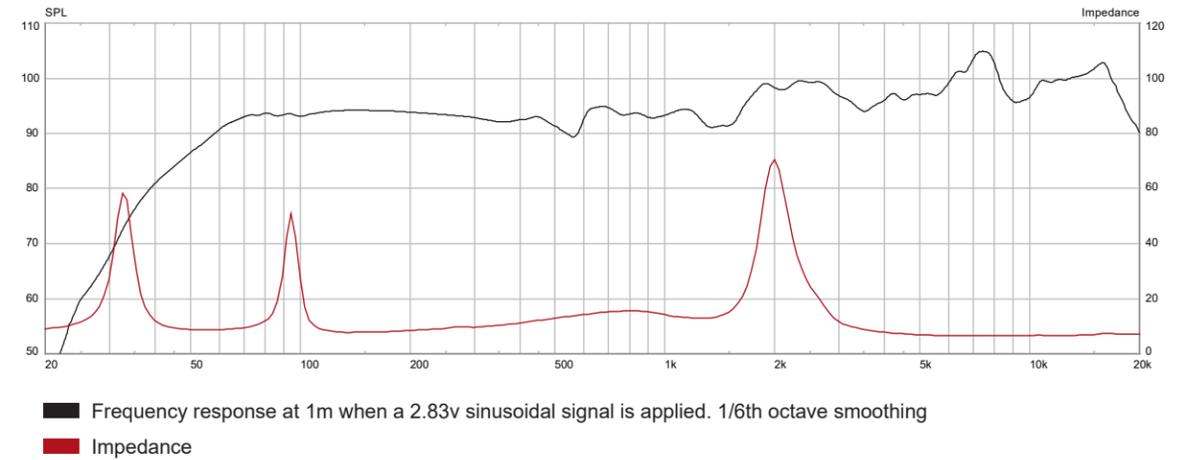
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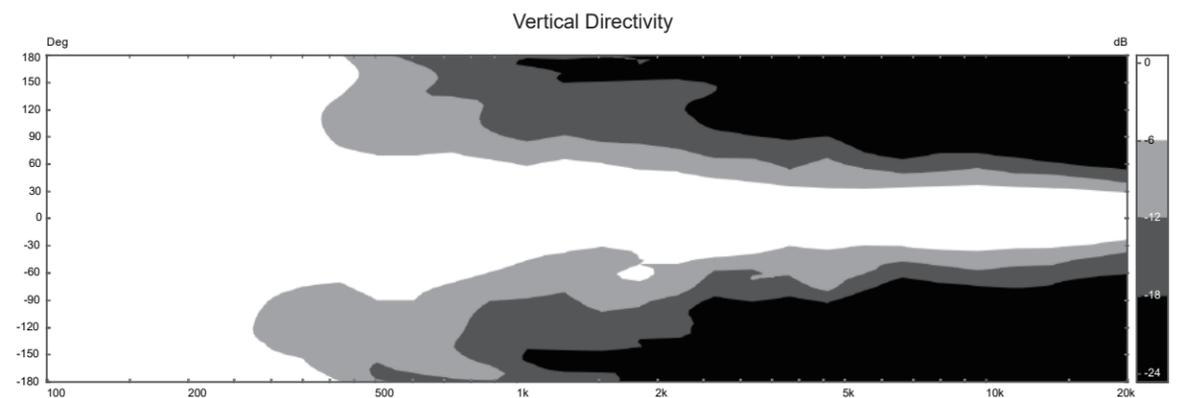
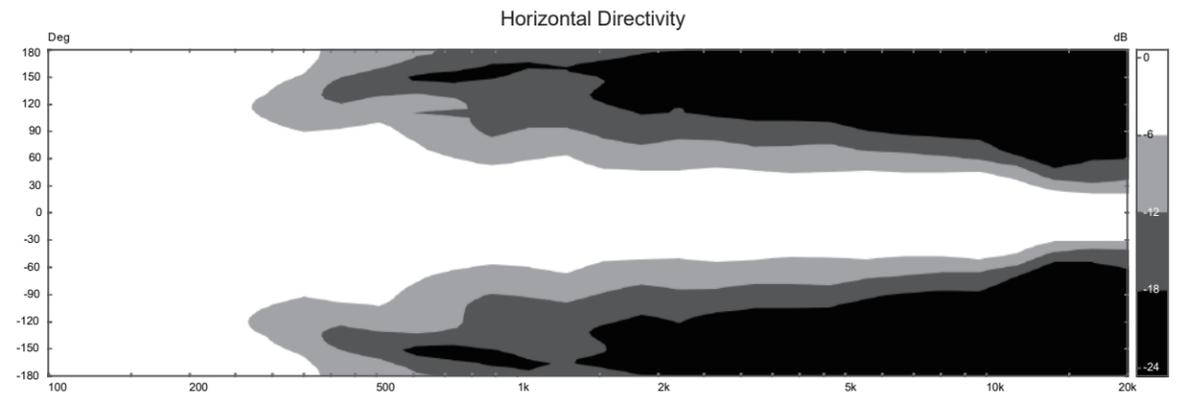
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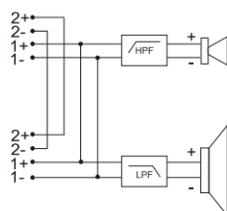
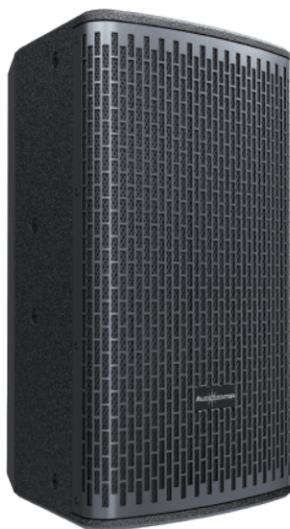
Frequency Response Graphs



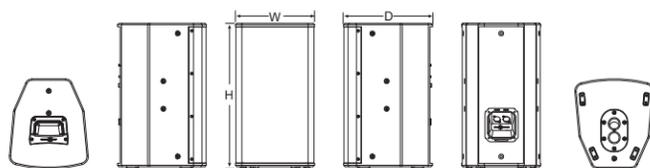
Normalized Isobar Plot



GT510P



Specification	
Type	Passive full range loudspeaker
Rated power(AES)	250W
Frequency Response(-10dB)	55Hz-20kHz
Horizontal Coverage	90°/60°
Vertical Coverage	60°/90°
Maximum Calculated SPL/1M(Continuous/Peak)	124dB/130dB
HF	1.75" voice coil, 1.0" exit
LF	10" driver, 2.5" voice coil
Impedance	8Ω
Crossover Mode	Passive
Crossover Point	1.4kHz
Input Connectors	Speakon 4Pin
CABINET	
Cabinet Material	CNC machined plywood
Coating	Durable Polyurea Coating
Cabinet Color	Black is the default color. Contact Audiocenter for customization
Grille	Iron mesh
Handles	1 top
Monitor Angle	/
Hanging Hardwares	M8 screw
Pole Mount	Base hole Φ35mm, 0° or 10° options
Speaker Dimension (W×H×D)	288x526x325mm
Carton Dimension (W×H×D)	383x610x415mm
Net Weight	13.0 kg
Shipping Weight	16.0 kg



Dimension(W×H×D):288×526×325mm

Product Profile

GT510P features a built-in passive crossover. This loudspeaker can be used in multimedia function halls, museums, houses of worship, shopping malls and other fixed installations.

The cabinet is made of high-quality wood, with an innovative and compact multi-purpose symmetrical cabinet structure CNC machined. This provides clear and powerful perfect sound quality. The base mounting holes are available in 0° or 10° options. According to different installation locations and methods, the cabinet can meet different sound reinforcement installation environments.

Product Features

- Customized ProDriver
- Smart Crossover Design to ensure zero consumption even in very high dynamic output
- Unique Driver Protection Circuit
- DMF Composite Material Horn Design
- 90° rotatable HF horn
- Durable Polyurea Coating
- Double Pole Mount
- Optimized and compact cabinet structure design

Suggested Application



Multi-functional meeting room



House of worship



Museum



Lecture



Meeting room



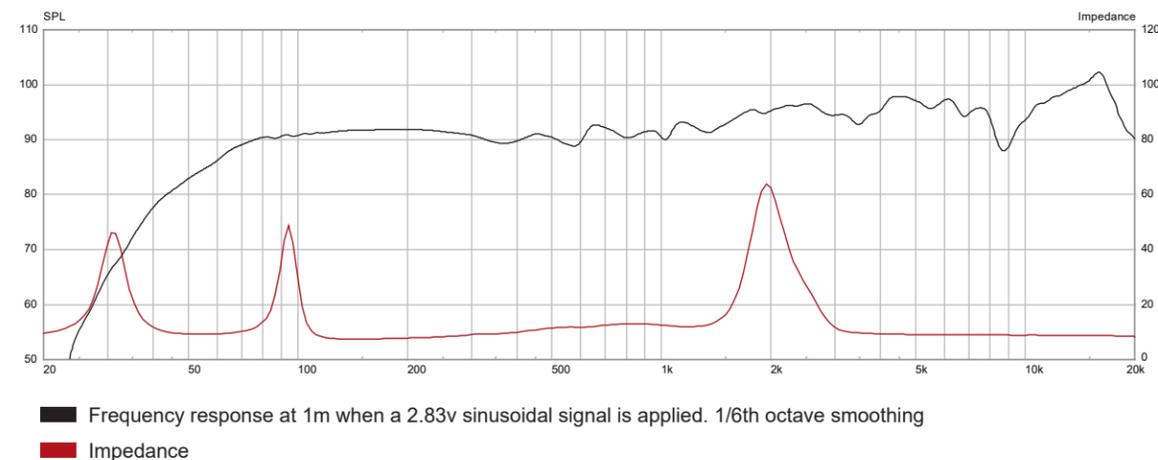
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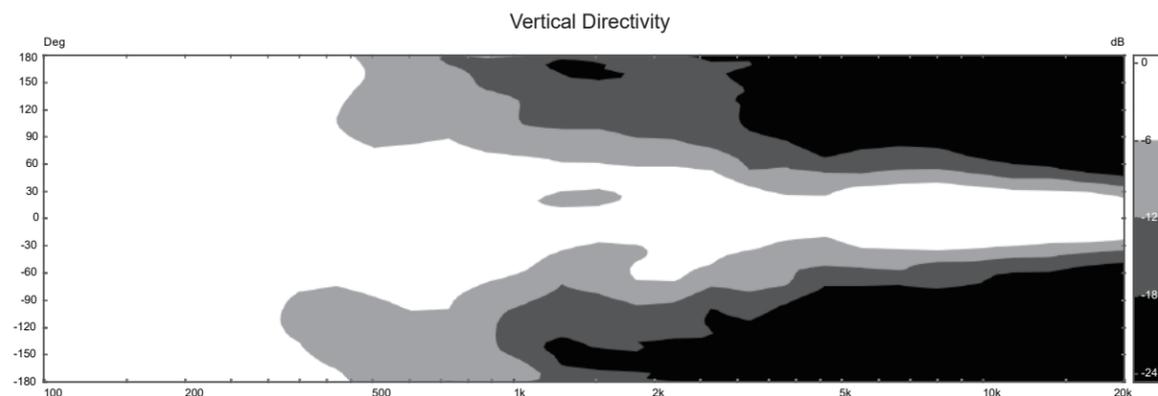
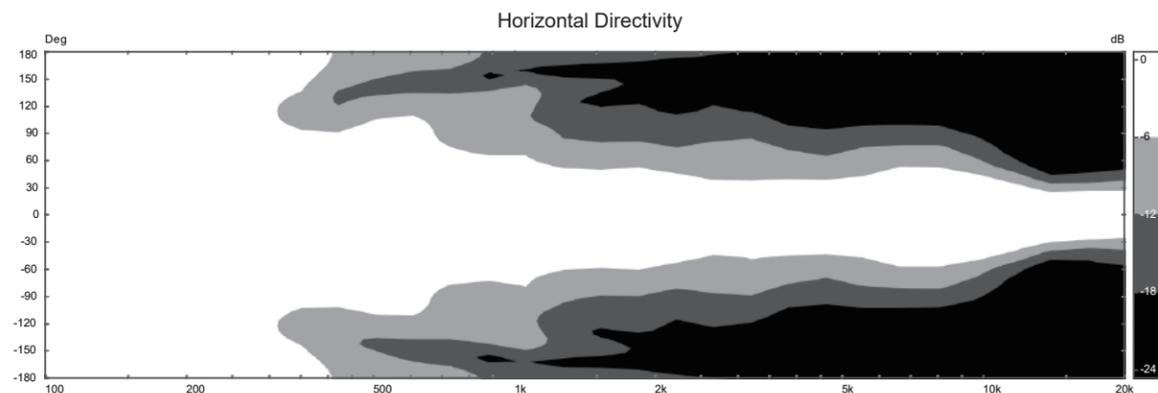
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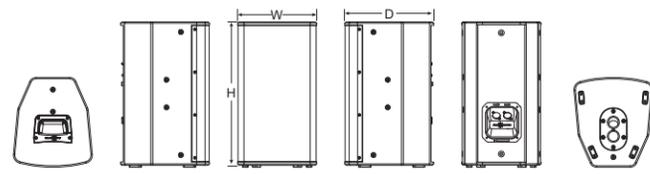
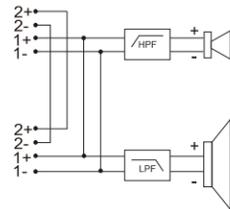
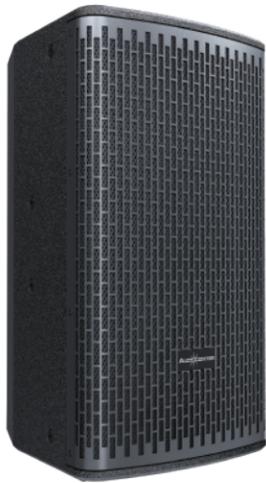
Frequency Response Graphs



Normalized Isobar Plot



GT508P



Dimension(W×H×D):245×447×320mm

Specification	
Type	Passive full range loudspeaker
Rated power(AES)	150W
Frequency Response(-10dB)	65Hz-20kHz
Horizontal Coverage	90°/60°
Vertical Coverage	60°/90°
Maximum Calculated SPL/1M(Continuous/Peak)	119dB/125dB
HF	1.75" voice coil, 1.0" exit
LF	8" driver, 2.0" voice coil
Impedance	8Ω
Crossover Mode	Passive
Crossover Point	1.5kHz
Input Connectors	Speakon 4Pin
CABINET	
Cabinet Material	CNC machined plywood
Coating	Durable Polyurea Coating
Cabinet Color	Black is the default color. Contact Audiocenter for customization
Grille	Iron mesh
Handles	1 top
Monitor Angle	Symmetrical 45° monitoring Angle
Hanging Hardwares	M8 screw
Pole Mount	Base hole Φ35mm, 0° or 10° options
Speaker Dimension (W×H×D)	245x447x320mm
Carton Dimension (W×H×D)	336x531x410mm
Net Weight	11.0 kg
Shipping Weight	13.0 kg

Product Profile

GT508P features a built-in passive crossover. This loudspeaker can be used in multimedia function halls, museums, houses of worship, shopping malls and other fixed installations.

The cabinet is made of high-quality wood, with an innovative and compact multi-purpose symmetrical cabinet structure CNC machined. This provides clear and powerful perfect sound quality. The base mounting holes are available in 0° or 10° options. According to different installation locations and methods, the cabinet can meet different sound reinforcement installation environments.

Product Features

- Customized ProDriver
- Smart Crossover Design to ensure zero consumption even in very high dynamic output
- Unique Driver Protection Circuit
- DMF Composite Material Horn Design
- 90° rotatable HF horn
- Durable Polyurea Coating
- Double Pole Mount
- Optimized and compact cabinet structure design

Suggested Application



Multi-functional meeting room



House of worship



Museum



Lecture



Meeting room



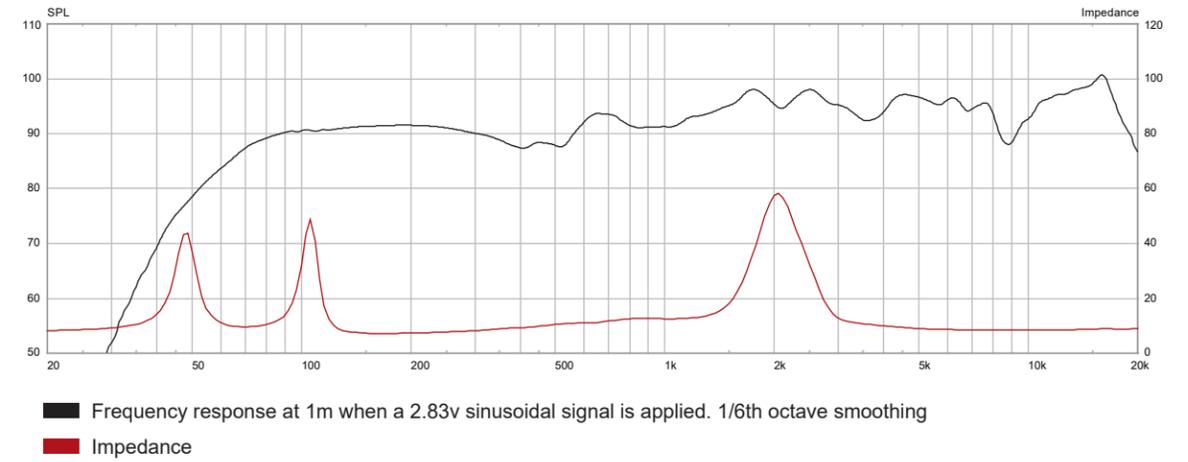
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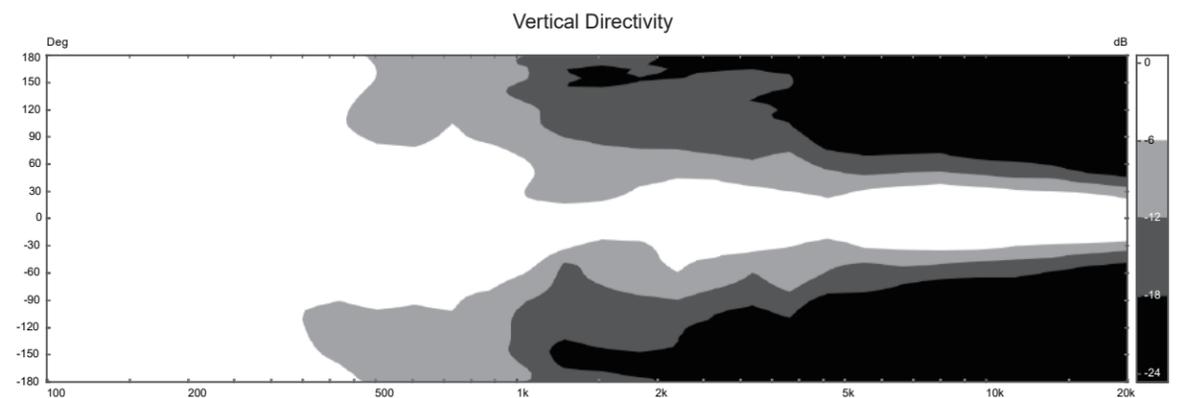
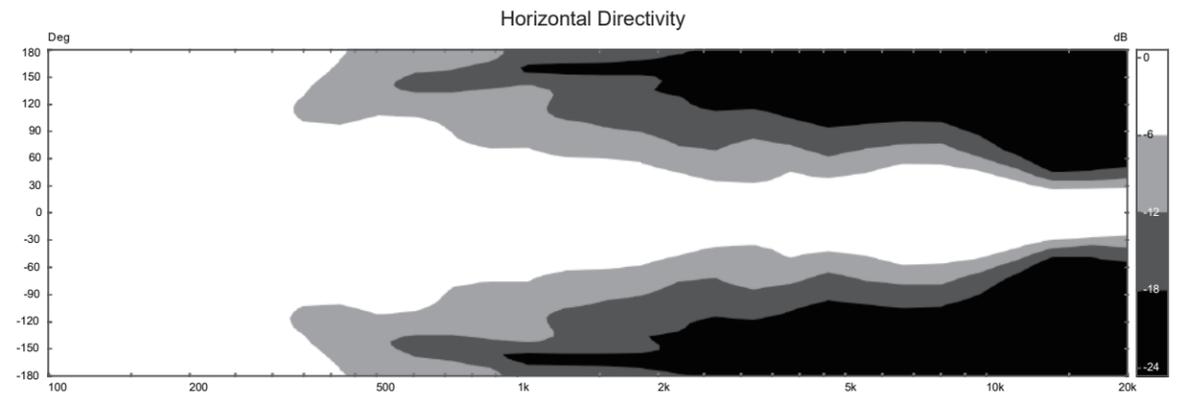
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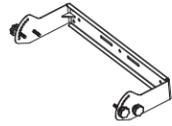
Frequency Response Graphs



Normalized Isobar Plot



Accessories



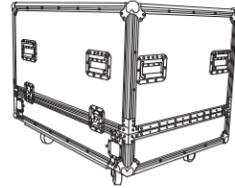
Horizontal U bracket
Bearing 60KG



Cover

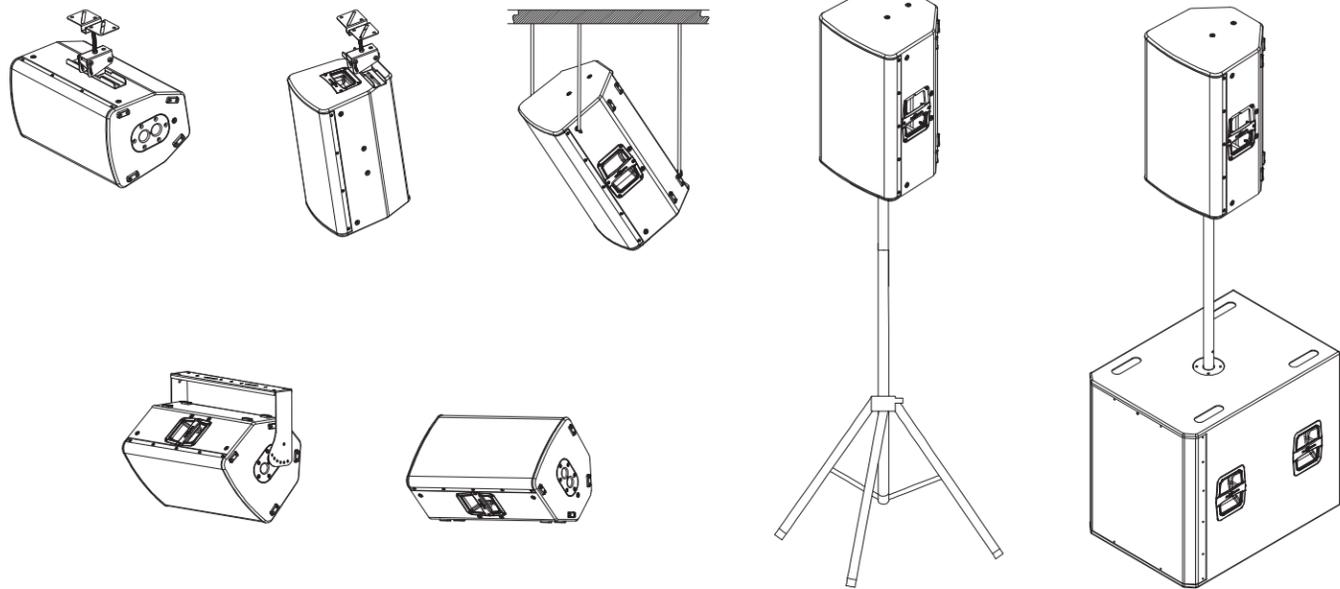


Pole bar
Bearing 50KG



Flightcase
For 2 cabinets,
with 100mm wheels

Installations



GT passive series Specifications

SPECIFICATIONS		GT515P	GT512P	GT510P	GT508P
Power (AES standards)	Rated	400W	400W	250W	150W
	Program	800W	800W	500W	300W
	Peak	1600W	1600W	1000W	600W
Frequency Response (-10dB)		40Hz-20kHz	42Hz-20kHz	55Hz-20kHz	65Hz-20kHz
Horizontal Coverage		90° (60°)			
Vertical Coverage		60° (90°)			
Maximum Calculated SPL/1M	Continuous	130dB	128dB	124dB	119dB
	Program	133dB	131dB	127dB	122dB
	Peak	136dB	134dB	130dB	125dB
Drivers	HF	1.75" voice coil, 1.0" exit			
	LF	15" driver, 3.0" voice coil	12" driver, 3.0" voice coil	10" driver, 2.5" voice coil	8" driver, 2.0" voice coil
Impedance		8Ω			
Crossover Mode		Passive Crossover			
Crossover Point		1.2kHz		1.4kHz	1.5kHz
Input Connectors		Speakon 4Pin			

CABINET

Cabinet Material	CNC machined plywood			
Coating	Durable Polyurea Coating			
Cabinet Color	Black is the default color. Contact Audiocenter for customization			
Grille	Iron mesh			
Handles	2 side		1 top	
Monitor Angle	Symmetrical 45° monitoring Angle			/
Hanging Hardwares	M8 screw			
Pole Mount	1 base hole Φ35mm on the bottom, 0° or 10° options			
Optional Accessories	Horizontal U bracket / Cover / Pole bar /Flightcase			
Speaker Dimension (W×H×D)	421×696×416mm	355×599×349mm	288×526×325mm	245×447×320mm
Carton Dimension (W×H×D)	516×785×516mm	446×688×446mm	383×610×415mm	336×531×410mm
Net Weight	22.0 kg	19.0 kg	13.0 kg	11.0 kg
Shipping Weight	26.0 kg	22.0 kg	16.0 kg	13.0 kg
Technical Support and After-sales Service	Global application support team			

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