

Congratulations on your purchase of a Markaudio product!

Markaudio is a division of Parsek srl dedicated to pro audio sound reinforcement solutions. Building on the top-level reputation built up over many years by our industry-leading bass amplification brand Markbass, Markaudio boasts the same high level of innovation and engineering.

The result is groundbreaking sound quality, impressive power, and shockingly light weight.

Markaudio products have been developed by a team of specialists who wrote a chapter in professional audio history. We are proud to manufacture our products in our factory in San Giovanni Teatino, Italy, where we're able to monitor the entire process with obsessive attention to detail, without compromising on any material choices or system components. We are constantly striving to improve our engineering, manufacturing and quality control.

The Markaudio line of PA products is growing in 2010, and some of the new speakers support the optional Markaudio Tuner System, which allows you to use your computer to tune your cabinets to perfection. Anyone who has any experience with live sound reinforcement knows that any PA will sound very different from venue to venue. It's essential to tune the PA to the room—to prevent boominess in a large room, for example, or harshness in a room with highly reflective walls or ceilings. With this innovative PC / MAC software, you can easily tune your Markaudio system to sound great in any type of venue! Usually slight tweaks of 1 or 2 dB at crucial frequencies are all you will need to optimize your sound anywhere.

We invite you to listen and hear the FUTURE, now. I'm quite sure you'll agree… it sounds astounding!

And above all, enjoy the Music!

Marco De Virgiliis General Manager www.myspace.com/marcodevirgiliis

WELCOME TO THE WORLD OF MARKAUDIO



1. AS101S, AS121S, AS151S, AS122SF, AS152SF, AS211S - INTRODUCTION

The AS 101S is an active subwoofer with a single 10" woofer and 500 watts of power. It's the smallest subwoofer in the Markaudio product line, with a very compact design and exceptional bass frequency reproduction.

The AS 121S is a single 12" active subwoofer.

New for 2010, the updated version of the Markaudio AS 121S subwoofer has increased power from 800W to 1200W, and adds computer connectivity for tuning the cabinet to perfection with the optional Markaudio Tuner System.

The AS 151S is an active subwoofer with a single 15" woofer.

New for 2010, the updated version of the Markaudio AS 151S subwoofer has increased power from 800W to 1200W, and adds computer connectivity for tuning the cabinet to perfection with the Markaudio Tuner System.

The AS 122SF is an active subwoofer with two 12" woofers, and 1200 watts RMS of power. Combined with the AS 121F, it makes for a lightweight and powerful system, providing incredible efficiency to any live sound reinforcement application. New Markaudio AS F cabinets feature ultra-grade felt covering.

The AS 152SF is an active sub-woofer with two 15" woofers, and 1200 watts RMS of power. Combined with the AS 121F or AS 102, it makes for a lightweight and powerful system, providing incredible efficiency to any live sound reinforcement application.

The AS 211S is a single 21" active subwoofer that boasts 2000 watts RMS of power.

The AS121S (updated), AS151S (updated), AS122SF, AS152SF, AS211S Markaudio subwoofers feature computer connectivity for tuning your cabinets to perfection with the optional Markaudio Tuner System.

2. IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions;
- 2) Keep these instructions;
- 3) Heed all warnings;
- 4) Follow all instructions;
- 5) Do not use this apparatus near water;
- 6) Clean only with a dry cloth;
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions;
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatuses (including amplifiers) that produce heat;
- Do not defeat the safety purpose of the polarized or ground-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet;
- 10) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus;
- 11) Only use attachments/accessories specified by the manufacturer;
- 12) Unplug this apparatus during lightning storms or when unused for long periods of time;
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, or when the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped;
- 14) "Warning: to reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture; and objects filled with liquids, such as vases, should not be placed on this apparatus";
- 15) The socket outlet shall be installed near the equipment and shall be easily accessible;
- 16) The power cord must be unplugged prior to servicing.

MORE INFORMATION

For warranty and service information, please contact your local Markaudio distributor (contact information available at www.markaudio.it).

For more technical information, please visit us at www.markaudio.it and fill out the form on the Contact Us page.

We hope you enjoy your active PA cabinet and use it to make great music!

"The Lightning Flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product enclosure that may be of sufficient magnitude to constitute a risk of shock to persons."

"The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product."



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"The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product."





2. PRÉCAUTIONS D'EMPLOI

- 1) Lire ces instructions;
- 2) Conserver ces instructions;
- 3) Suivre tous les conseils d'utilisations;
- 4) Suivre toutes les instructions;
- 5) Ne pas utiliser cet appareil au bord de l'eau;
- 6) Nettoyer uniquement avec un chiffon humide;
- 7) Ne pas bloquer le système de ventilation. Installer conformément aux instructions du fabricant;
- Ne pas installer l'appareil près d'une source de chaleur tel qu'un radiateur, un fourneau, ou bien un autre appareil qui produit de la chaleur;
- 9) Ne pas modifier le système de sécurité de la fiche polarisée ou de de la fiche pour les prises de terre. Une fiche polarisée a deux broches, l'une étant plus distante de l'autre. Une fiche pour prise de terre a deux broches et une pointe pour la masse. La broche plus distante et la pointe pour la masse ont été installées pour votre sécurité. Si la fiche fournie de rentre pas dans votre prise de courant consulter un électricien pour la substitution;
- 10) Protéger le cordon d'alimentation afin qu'il ne soit pas piétiné ou écrasé tout particulièrement au niveau des fiches, des prises de courant femelles, et des parties qui sortent de l'appareil;
- 11) Utiliser uniquement les accessoires recommendés par le fabricant;
- 12) Ne pas branché l'appareil en cas d'orage accompagné d'éclairs. Le débrancher en cas de non utilisation prolongée;
- S'adresser à un service assistance agréé si l'appareil a subi des dommages, si le cordon d'alimentation ou la fiche a été endommagé, si un liquide a été renversé sur l'appareil ou bien si un object est tombé dans l'appareil, si ce dernier a été exposé à la pluie ou à l'humidité, s'il ne fonctionne pas correctement ou s'il est tombé;
- "Avertissant: pour réduire le risque du feu ou de décharge électrique, n'exposez pas cet appareil à la pluie ou l'humidité et les objets remplis de liquides; tels que des vases, ne devraient pas être placés sur cet appareil";
- 15) La prise de courant doit être installée près de l'appareil et doit être facile ment accessible;
- 16) La fiche principale doit être débranchée avant toute opération d'entretien.





LEVEL CH1/CH2 (1) - High-pass output level control, which determines the amount of signal sent to the satellites. Turn the knob completely clockwise for unitary gain.

PHASE (2) - Phase inversion 0° - 180° . In some installations, the subwoofer may be out of phase with the satellites. This switch allows you to reverse the phase of the subwoofer and align the system.

CLIP (3) - Clip indicator LED. This indicator allows you to visually monitor the volume level of the loudspeaker. LED OFF: compressor/limiter is not engaged. LED ON for a few moments: brief engaging of the compressor/limiter, inaudible to the ears—you are approaching maximum power output, and the speakers are being protected. LED ON: the audio signal is too high, and you should lower the output level of your audio source, or turn the level knob (5) counterclockwise.

LEVEL (4) - This control determines the amount of signal that passes through the input stage of the subwoofer. Turning it completely clockwise will result in maximum gain. The appropriate subwoofer level can vary significantly depending on the acoustics of the venue and the genre of music you're playing. Carefully set the satellites' level first

and then add bass frequencies (subwoofer level) as needed.

ON (5) - Power status indicator LED. Illuminates when the power switch is ON and the power cord is plugged into a power source.

 ${\tt HIGH-PASS}$ OUT CH1 & CH2 (6) - Line out for connecting to OAS system satellites. The crossover frequencies for the AS Series satellites are sent from these outputs. The crossover frequency is set at 120 Hz.

INPUT CH1 & CH2 (7) - Line input jacks for connecting stereo audio sources. The XLR 3-pole female jacks are electronically balanced (hot pole #2). You can use unbalanced sources if your cables have pole 3 jumpered with pole 1.

INPUT CH1 & CH2 GROUND LIFT (8) - A switch that disconnects the ground of the input audio signal from the electric ground of the power amp module. This switch may be needed for the cancellation of hum due to ground loops with other apparatuses. If flipping this switch does not solve the problem, identify the apparatus upstream that is creating the problem and take whatever measures are necessary to eliminate the hum.

LINK CH1 & CH2 (9) - Line out to connect more subwoofers downstream from the principal system. This 3-pole male XLR jack receives a female XLR plug (7) and sends out a passive signal.

LINK CH1 & CH2 GROUND LIFT (10) - A switch that disconnects the ground of the input audio

signal from the electrical ground of the power amp module. This switch may be needed for the cancellation of hum due to ground loops with other apparatuses.

If the audio signal is already disturbed when it arrives to the loudspeaker, this switch will not solve the problem. Identify the upstream component that is creating the problem, and take whatever measures are necessary to eliminate the hum.

COOLING (11) - Forced ventilation stabilizes the working temperature of electronic components for continuous performance, even after a long period of operation. To ensure the adequate cooling of components, never block this opening.

ON/OFF SWITCH (12) - On/off power switch. It's good practice to power on the subwoofer only after you've plugged in the power cord and signal cables, and turned on all audio sources (mixer, effect units etc). Turn the switch off BEFORE unplugging the cabinet and before turning off any connected equipment.

POWER JACK (13) - Power jack for connecting the unit to a power source.

FUSE (14) - Fuse housing.

3.2 CONTROL PANEL - AS 121S - AS 151S - AS 122SF - AS 152SF



INPUT RIGHT & LEFT/MONO (1-3) - Line input jacks for connecting stereo audio sources. The XLR 3-pole female jacks are electronically balanced (hot pole #2). You can use unbalanced sources if your cables have pole 3 jumpered with pole 1.

LINK RIGHT & LEFT/MONO (2-4) - Line out to connect more subwoofers downstream from the principal system. This 3-pole male XLR jack receives a female XLR plug (7) and sends out a passive signal.

INPUTS & LINKS GROUND LIFT (5-6-7-8) - A switch that disconnects the ground of the input audio signal from the electrical ground of the power amp module. This switch may be needed for the cancellation of hum due to ground loops with other apparatuses.

If the audio signal is already disturbed when it arrives to the loudspeaker, this switch will not solve the problem. Identify the upstream component that is creating the problem, and take whatever measures are necessary to eliminate the hum.

PC CONTROL - INPUT & LINK (9-10) - (OPTIONAL, SOLD SEPARATELY) - RJ45 connector links your cabinet to your computer through the MARKAUDIO PC BOX (sold separately). Thanks to the Markaudio software you can tune the cabinets to any venue, with both 21-band graphic and parametric EQ, modifiable limiter and

crossover settings, and more!

PHASE (11) - Phase inversion 0° - 180° . In some installations, the subwoofer may be out of phase with the satellites. This switch allows you to reverse the phase of the subwoofer and align the system.

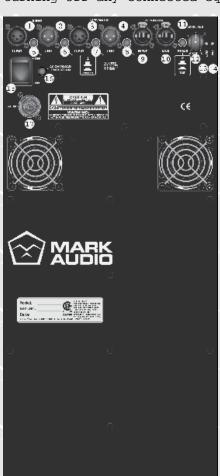
LEVEL SUB (12) - This control determines the amount of signal that passes through the input stage of the subwoofer. Turning it completely clockwise will result in maximum gain. The appropriate subwoofer level can vary significantly depending on the acoustics of the venue and the genre of music you're playing. Carefully set the satellites' level first and then add bass frequencies (subwoofer level) as needed.

CLIP (13) - Clip indicator LED. This indicator allows you to visually monitor the volume level of the loudspeaker. LED OFF: compressor/limiter is not engaged. LED ON for a few moments: brief engaging of the compressor/limiter, inaudible to the ears—you are approaching maximum power output, and the speakers are being protected. LED ON: the audio signal is too high, and you should lower the output level of your audio source, or turn the level knob (5) counterclockwise.

ON (14) - Power status indicator LED. Illuminates when the power switch is ON and the power cord is plugged into a power source.

POWER JACK (15) - Power jack for connecting the unit to a power source. Fuse housing.

ON/OFF SWITCH (16) - On/off power switch. It's good practice to power on the subwoofer only after you've plugged in the power cord and signal cables, and turned on all audio sources (mixer, effect units etc). Turn the switch off BEFORE unplugging the cabinet and before turning off any connected equipment.



3.3 CONTROL PANEL - AS 211S

INPUT RIGHT & LEFT/MONO (1-3) - Line input jacks for connecting stereo audio sources. The XLR 3-pole female jacks are electronically balanced (hot pole #2). You can use unbalanced sources if your cables have pole 3 jumpered with pole 1.

LINK RIGHT & LEFT/MONO (2-4) - Line out to connect more subwoofers downstream from the principal system. This 3-pole male XLR jack receives a female XLR plug and sends out a passive signal.

INPUTS & LINKS GROUND LIFT (5-6-7-8) - A switch that disconnects the ground of the input audio signal from the electrical ground of the power amp module. This switch may be needed for the cancellation of hum due to ground loops with other apparatuses.

If the audio signal is already disturbed when it arrives to the loudspeaker, this switch will not solve the problem. Identify the upstream component that is creating the problem, and take whatever measures are necessary to eliminate the hum.

PC CONTROL - INPUT & LINK (9-10) - OPTIONAL (SOLD SEPARATELY) - RJ45 connector links your cabinet to your computer through the MARKAUDIO PC BOX (sold separately). Thanks to the Markaudio software you can tune the cabinets to any venue, with both 21-band graphic and parametric EQ, modifiable limiter and crossover settings, and more!

PHASE (11) - Phase inversion 0°- 180°. In some

installations, the subwoofer may be out of phase with the satellites. This switch allows you to reverse the phase of the subwoofer and align the system.

LEVEL SUB (12) - This control determines the amount of signal that passes through the input stage of the subwoofer. Turning it completely clockwise will result in maximum gain. The appropriate subwoofer level can vary significantly depending on the acoustics of the venue and the genre of music you're playing. Carefully set the satellites' level first and then add bass frequencies (subwoofer level) as needed.

CLIP (13) - Clip indicator LED. This indicator allows you to visually monitor the volume level of the loudspeaker. LED OFF: compressor/limiter is not engaged. LED ON for a few moments: brief engaging of the compressor/limiter, inaudible to the ears—you are approaching maximum power output, and the speakers are being protected. LED ON: the audio signal is too high, and you should lower the output level of your audio source, or turn the level knob (5) counterclockwise.

ON (14) - Power status indicator LED. Illuminates when the power switch is ON and the power cord is plugged into a power source.

ON/OFF SWITCH (15) - On/off power switch. It's good practice to power on the subwoofer only after you've plugged in the power cord and signal cables, and turned on all audio sources (mixer, effect units etc). Turn the switch off BEFORE unplugging the cabinet and before turning off any connected equipment.

MAGNETOTHERMIC PROTECTION (16) - Current overload protection. If the protection engages, attempt to restore fuctionality by pushing this switch. If the protection continues to engage, please contact qualified service personnel.

POWER JACK (17) - Neutrik® Powercon® for connecting the unit to a power source.

4. TECHINCAL DETAILS

		AS 101S	AS 121S	
Acoustic Spe	cs	~ ~	~	
Sound Pressure	Maximum peak SPL	129 dB	131 dB	
Frequency Response	±3dB	49 Hz - 120 Hz	47 Hz - 120 Hz	
Frequency Range	±10dB	47 Hz - 130 Hz	45 Hz - 130 Hz	
riequency Kange	11005	47 112 - 130 112	45 112 - 150 112	
Dispersion	Hor. x Vert.			
Loudspeakers	Woofer LF	1 x 10"	1 x 12"	
Doddopednerb	Coil	Neodymium		
	Driver HF	Neodymrum		
	Horn	- 1 X 	X 	
	IIIII			
Electrical S	pecs			
Amp	Туре	MOSFET Class A/B	Class D	
	RMS Power	500W @ 4	1200W @ 4	
	Slew Rate	15V	/ μs	
	THD	< 0.1%		
	Cooling	Force	ed air	
Protections	Y Y	The	rmal	
		Limiter		
		DC Current		
			Circuit	
	\sim	Short	DSP Dynamic Filtering (OPTIONAL)	
Crossover	Active	120 Hz (Hi-pass out)	- Dol Byliamic Fiftering (OFFICIAL)	
	Sensitivity	500 mV balanced	800 mV balanced	
Input		10 k	22 k	
AC supply	Impedance Type		ching	
	Voltage	loudspeakers are manufactured to be sold and used in the country of purchase, and are factory preset that country's voltage. Due to homologation issues, the voltage may not be changed. NOTE: Check the voltage setting of your apparatus before plugging in the power cord.		
	Power absorption (medium)	350W	250W	
	Power absorption (medium) Power absorption (max)	350W 700W	250W 1500W	
Controls and	Power absorption (max)			
	Y Y	700W	1500W	
	Power absorption (max)	700W 2x Hi-pass out level + Sub Level	1500W Sub Level	
	Power absorption (max)	700W 2x Hi-pass out level + Sub Level Phase 0	1500W Sub Level - 180°	
Controls	Power absorption (max)	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G	Sub Level o - 180° and Out lift	
Controls	Power absorption (max)	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G	Sub Level o - 180o and Out lift er On	
Controls	Power absorption (max)	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Power C:	Sub Level o - 180o and Out lift er On lip	
Controls	Power absorption (max)	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Power C: 2x Line	Sub Level o - 180° and Out lift er On lip In (XLR)	
Controls	Power absorption (max)	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Pow C: 2x Line 2x Link	Sub Level o - 180o and Out lift er On lip In (XLR) Out (XLR)	
Controls	Power absorption (max)	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Pown C: 2x Line 2x Link 2x Hi-pass Out (XLR)	Sub Level o - 180° and Out lift er On lip In (XLR) Out (XLR) Computer Connection (RJ45) OPTIONAL	
Controls	Power absorption (max)	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Pown C: 2x Line 2x Link 2x Hi-pass Out (XLR)	Sub Level o - 180o and Out lift er On lip In (XLR) Out (XLR)	
Controls Indicators Connections	Power absorption (max) Connections	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Pown C: 2x Line 2x Link 2x Hi-pass Out (XLR)	Sub Level o - 180° and Out lift er On lip In (XLR) Out (XLR) Computer Connection (RJ45) OPTIONAL	
Indicators Connections Construction	Power absorption (max) Connections features	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Pow C 2x Line 2x Link 2x Hi-pass Out (XLR) AC In	Sub Level o - 180° ind Out lift er On lip In (XLR) Out (XLR) Computer Connection (RJ45) OPTIONAL	
Indicators Connections Construction	Power absorption (max) Connections features Material	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Pow C 2x Line 2x Link 2x Hi-pass Out (XLR) AC In	Sub Level o - 180° ind Out lift er On lip In (XLR) Out (XLR) Computer Connection (RJ45) OPTIONAL (VDE)	
Indicators Connections Construction	Power absorption (max) Connections features Material Finish	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Pow C 2x Line 2x Link 2x Hi-pass Out (XLR) AC In Multi-p. Texture	Sub Level o - 180° and Out lift er On lip In (XLR) Out (XLR) Computer Connection (RJ45) OPTIONAL (VDE) ly poplar ed paint	
Indicators Connections Construction	Power absorption (max) Connections Features Material Finish Colour	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Pow C 2x Line 2x Line 2x Link AC In Multi-p. Texture 8022	Sub Level o - 180° and Out lift er On lip In (XLR) Out (XLR) Computer Connection (RJ45) OPTIONAL (VDE) ly poplar ed paint Brown	
Indicators Connections Construction Cabinet	Power absorption (max) Connections Features Material Finish Colour Protection grill	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Pow C: 2x Line 2x Line 2x Link AC In Multi-p. Textur. 8022 Nickel	Sub Level o - 180° and Out lift er On lip In (XLR) Out (XLR) Computer Connection (RJ45) OPTIONAL (VDE) ly poplar ed paint Brown ed metal	
Indicators Connections Construction Cabinet	Power absorption (max) Connections Features Material Finish Colour Protection grill Quantity	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Pow C 2x Line 2x Link 2x Hi-pass Out (XLR) AC In Multi-p Texture 8022 Nickele	Sub Level o - 180° and Out lift er On lip In (XLR) Out (XLR) Computer Connection (RJ45) OPTIONAL (VDE) ly poplar ed paint Brown ed metal 1	
Indicators Connections Construction Cabinet Handles	Power absorption (max) Connections Features Material Finish Colour Protection grill	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Pow C 2x Line 2x Line 2x Link AC In Multi-p Texture 8022 Nickele	Sub Level o - 180° and Out lift er On lip In (XLR) Out (XLR) Computer Connection (RJ45) OPTIONAL (VDE) ly poplar ed paint Brown ed metal 1	
Indicators Connections Construction Cabinet Handles	Power absorption (max) Connections Features Material Finish Colour Protection grill Quantity	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Pow C 2x Line 2x Line 2x Link AC In Multi-p Texture 8022 Nickele	Sub Level o - 180° and Out lift er On lip In (XLR) Out (XLR) Computer Connection (RJ45) OPTIONAL (VDE) ly poplar ed paint Brown ed metal 1	
Indicators Connections Construction Cabinet Handles Hardware fitting	Power absorption (max) Connections Features Material Finish Colour Protection grill Quantity Position	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - C Pow C 2x Line 2x Line 2x Link AC In Multi-p Texture 8022 Nickele	Sub Level o - 180o and Out lift er On lip In (XLR) Out (XLR) Computer Connection (RJ45) OPTIONAL a (VDE) ly poplar ed paint Brown ed metal 1 loop or M20 pole	
Controls and Controls Indicators Connections Construction Cabinet Handles Hardware fitting	Power absorption (max) Connections features Material Finish Colour Protection grill Quantity Position	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - G Pow C: 2x Line 2x Line 2x Link AC In Multi-pass Out (XLR) AC In Multi-pass Out (XLR) Ac In Adapter for	Sub Level o - 180° and Out lift er On lip In (XLR) Out (XLR) Computer Connection (RJ45) OPTIONAL (VDE) ly poplar ed paint Brown ed metal 1 op or M20 pole 402 mm / 15.85"	
Controls Indicators Connections Construction Cabinet Handles Hardware fitting	Power absorption (max) Connections Features Material Finish Colour Protection grill Quantity Position	700W 2x Hi-pass out level + Sub Level Phase 0 Gnd In - C Pow C 2x Line 2x Line 2x Link AC In Multi-p Texture 8022 Nickele	Sub Level o - 180o and Out lift er On lip In (XLR) Out (XLR) Computer Connection (RJ45) OPTIONAL a (VDE) ly poplar ed paint Brown ed metal 1 loop or M20 pole	

Downloaded from

AS 151S	AS 122SF	AS 152SF	AS 211S
~	~ ~		~ ~
122 15	126 49	127.45	120.15
133 dB	136 dB	137 dB	139 dB
45 Hz - 120 Hz	41 Hz - 120 Hz	39 Hz - 120 Hz	35 Hz - 120 Hz
41 Hz - 130 Hz	39 Hz - 130 Hz	37 Hz - 130 Hz	30 Hz - 130 Hz
1 x 15"	2 x 12"	2 x 15"	1 x 21"
		ymium	
\sim			-
~~	Cla	ss D	^^
	1200W @ 4		2000W @ 4
		/ µs	
		0.1%	
· · · · · · · · · · · · · · · · · · ·		ed air	~~~
		rmal	
		ırrent	
		Circuit	
~		tering (OPTIONAL)	~ ~
	Doi Dynamic Filt	-	
	800 mV	balanced	
	22		
^ ^			
	Swit is factory preset according to region of sa factory preset to that country's voltage. NOTE: Check the voltage setting of your a	Due to homologation issues, the voltage	ge may not be changed.
	e is factory preset according to region of sa e factory preset to that country's voltage. NOTE: Check the voltage setting of your ap 250W	ule). Markaudio loudspeakers are manufac Due to homologation issues, the voltag	ge may not be changed. ord. 450W
	e is factory preset according to region of sa e factory preset to that country's voltage. NOTE: Check the voltage setting of your ap	ule). Markaudio loudspeakers are manufac Due to homologation issues, the voltag	ge may not be changed. ord.
	e is factory preset according to region of sa factory preset to that country's voltage. NOTE: Check the voltage setting of your ap 250W	ule). Markaudio loudspeakers are manufar Due to homologation issues, the voltag pparatus before plugging in the power o	ge may not be changed. ord. 450W
	is factory preset according to region of satisfactory preset to that country's voltage. NOTE: Check the voltage setting of your approximately	ule). Markaudio loudspeakers are manufar Due to homologation issues, the voltag pparatus before plugging in the power of	ge may not be changed. ord. 450W
	is factory preset according to region of satisfactory preset to that country's voltage. NOTE: Check the voltage setting of your approximately	ule). Markaudio loudspeakers are manufar Due to homologation issues, the voltag pparatus before plugging in the power of Level - 180°	ge may not be changed. ord. 450W
	s is factory preset according to region of sate factory preset to that country's voltage. NOTE: Check the voltage setting of your approximately setting of	ule). Markaudio loudspeakers are manufar Due to homologation issues, the voltas paparatus before plugging in the power of Level - 180° nd Out lift	ge may not be changed. ord. 450W
	s is factory preset according to region of satisfactory preset to that country's voltage. NOTE: Check the voltage setting of your approximately setting of	Level o - 180° nd Out lift er On	ge may not be changed. ord. 450W
	s is factory preset according to region of satisfactory preset to that country's voltage. NOTE: Check the voltage setting of your approximately setting s	ule). Markaudio loudspeakers are manufar Due to homologation issues, the voltas paparatus before plugging in the power of Level - 180° nd Out lift	ge may not be changed. ord. 450W
	s is factory preset according to region of sate factory preset to that country's voltage. NOTE: Check the voltage setting of your approach of the country's region of the cou	Level o - 180° nd Out lift er On	ge may not be changed. ord. 450W
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Product specifications are subject to change without notice. Italy - Via Po, 52 - 66020 San Giovanni Teatino (Ch) -Tel. +39 085 446 3755 - Fax +39 085 440 7764 www.markaudio.it - info@markaudio.it