



RELEC SA

Rue des Petits-Champs
11 a+b
CH-1400 Yverdon
Switzerland

T +41 (0) 24 426 04 20
F +41 (0) 24 426 04 51

info@psiaudio.com
www.psiaudio.com

PSI
AUDIO

MORE THAN A
BLACK BOX

Precision Studio
Monitors

Swiss Made



INTRODUCTION

Designed and manufactured in Switzerland in our Yverdon workshops, our latest generation of speakers are the culmination of a unique knowledge of materials and treatments. A thorough understanding of acoustics is our guideline, since the launch of the PSI Audio brand in 1977.

“Our vision is to be globally recognized as pioneers in precision audio combining innovation, creativity and technology.”

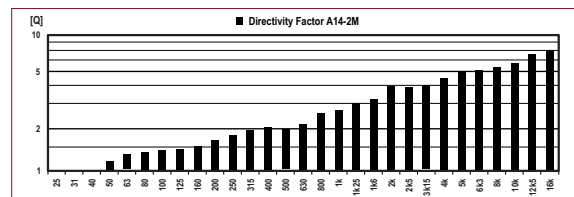
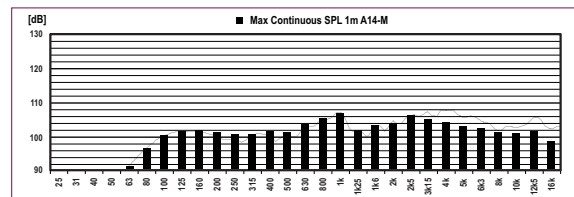
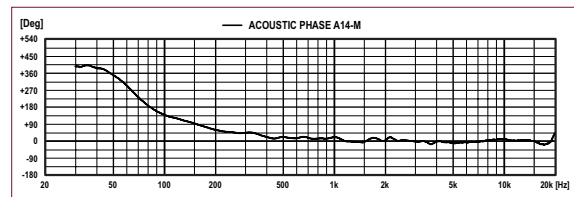
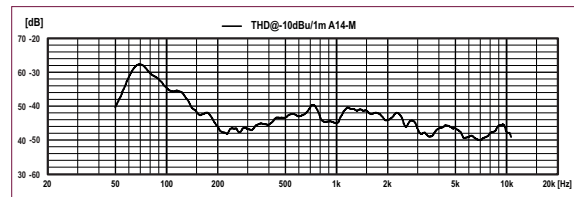
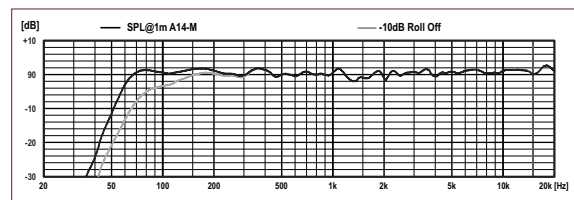
At the core of our speaker performance is an electronic design based on two exclusive concepts: CPR (Compensated Phase Response & AOI (Adaptive Output Impedence). The CPR system consists in several all pass filters, each acting in a specific range of frequency in order to obtain a wide area of linear phase response. The AOI system is constituted by an automatic control system as well as by a feedback reaction filtering, which allows the whole frequency range to be rended with no transducer coloring.

The PSC detects the input Phantom voltage in order to switch the loudspeaker in standby mode and to provide a better usability.

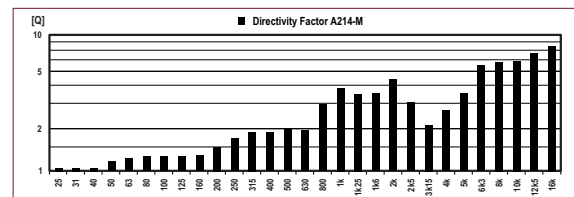
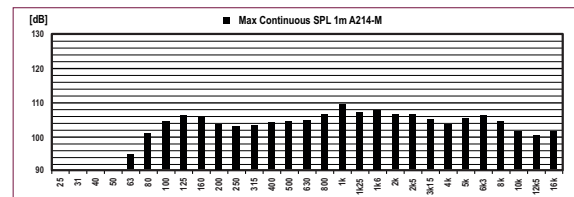
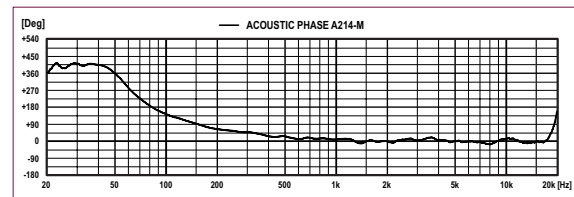
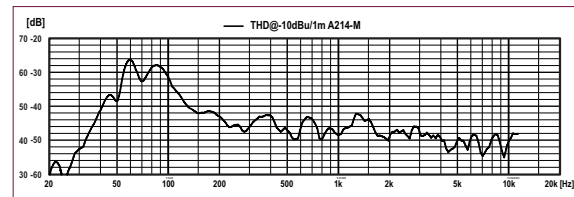
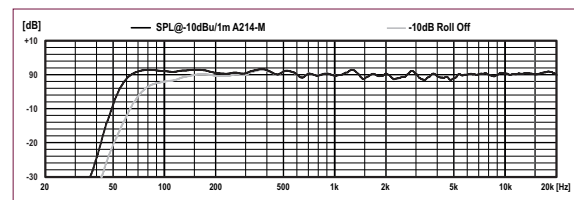
Prior to packaging and dispatch, every speaker has to pass through our purpose built anechoic chamber. All products are tested with a complete audio performance program; ensuring that perfect manufacturing tolerances have been achieved. Every speaker is shipped with a comprehensive printout of its measured audio performance; this is the PSI Audio guarantee of excellence and quality.



A14-M



A214-M



DESCRIPTION

The A14-M full range speaker is the smallest member of the PSI Audio A-Series professional studio monitor range. Housed in an **extremely compact cabinet**, the A14-M is designed to implement highest possible SPL and broad bandwidth. The A14-M is ideal for studio application where the ultimate in **precision and portability** is required. Packed into its compact dimensions, is all the technology of its larger brothers.

The powerful bi-amplified output features the unique "AOI" output stages, while the active crossover, with integrated "CPR", delivers unprecedented impulse behavior with excellent stereo imaging. The crossover is also optimized for maximum phase coherence, projecting a wide horizontal and vertical ideal listening area.

Designed to work in harmony with the full range of A series monitors the A14-M also makes ideal rear speakers in a surround sound setup, or can be developed in to a more powerful system by adding the A225-M sub thus protecting your investment.

TECHNICAL DATA

Power RMS: 70 + 30W
 Program Power: 100W
 Continuous Max SPL@1m: 101 dB (single)
 Program Max SPL@1m: 112 dB (pair)
 Response at -6dB: 56 - 22000 Hz
 Tolerances: ±2.5 dB (65Hz - 18kHz)
 Phase tolerances: ±45° (260Hz - 16kHz)
 Dispersion (P.N. 4 - 16 kHz) at -6 dB: 100° x 100° (H x V)
 System: 2 Way(s)
 Crossover frequency: 3.5 kHz
 Woofer's dim. Ext. / Diaphragm: Ø147mm / Ø104mm
 Tweeter's dim. Ext. / Diaphragm: Ø70mm / Ø24mm
 Dimensions W x H x D mm: 200 x 320 x 230
 Gross / Net Weight: 6.2 / 5.5 kg

"The A14-M is in the best sense, a inconspicuous near field monitor. tonal balanced, high-resolution detail, very good transient response and accurate positioning accuracy turns out to be the Swiss army knife for the surround-Setup, small studio or OB van environment."
 - Professional Audio Magazin, Germany

DESCRIPTION

PSI Audio A214-M is mainly designed as a **"centre" speaker for surround monitoring applications**. However, the unit may also be used as a basic component for all monitoring requirements.

The A214-M employs two woofers of 147mm and one tweeter of 100mm, for a programme power-handling of 160W. The speaker has sufficient acoustical output to satisfy the requirements of post-production and film mixing suites, as well as for other mixing applications.

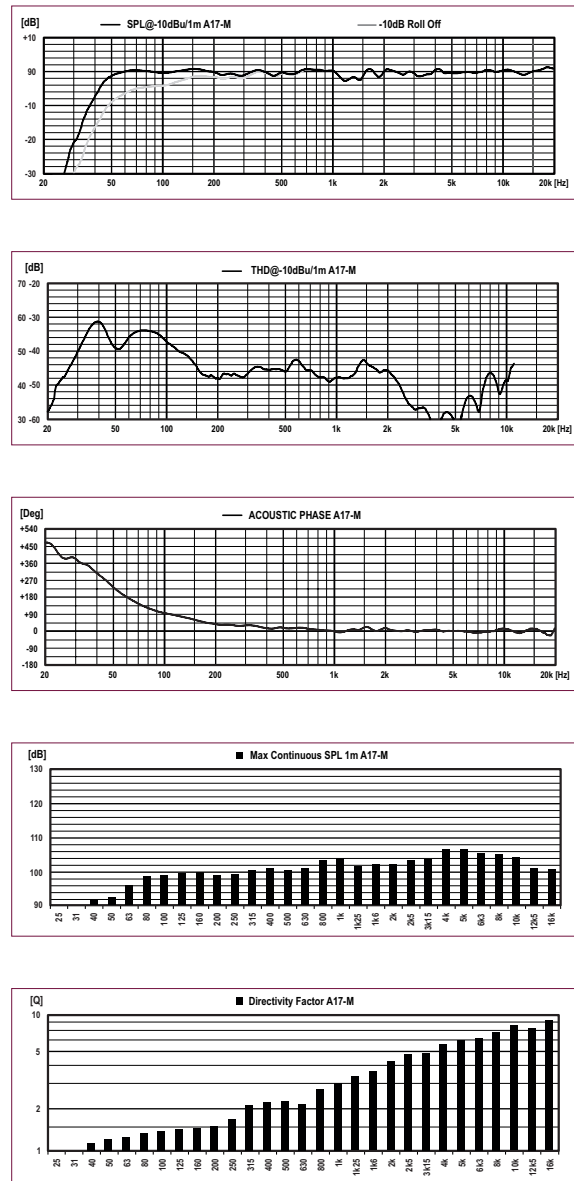
PSI active loudspeakers feature CPR (Compensated Phase Response) and AOI (Adaptive Output Impedance) technology that is a hallmark of the company. A major advantage is that it allows monitor systems to be made up from different models, **without any detriment to the overall phase response** of the system. **The shallow height** of the A214-M (less than 200mm) allows the speaker to be easily incorporated into surround installations where space is an important factor.

"The A214-M are incredibly powered for the size" - Terry Nelson from Realisason, France

TECHNICAL DATA

Power RMS: 120 + 40W
 Program Power: 160W
 Continuous Max SPL@1m: 108 dB (single)
 Program Max SPL@1m: 119 dB (pair)
 Response at -6dB: 53 - 23000 Hz
 Tolerances: ±2.0 dB (60Hz - 20kHz)
 Phase tolerances: ±45° (270Hz - 20kHz)
 Dispersion (P.N. 4 - 16 kHz) at -6 dB: 90° x 60° (H x V)
 System: 2 Way(s)
 Crossover frequency: 1.8 kHz
 Woofer's dim. Ext. / Diaphragm: 2x Ø147 mm / Ø104 mm
 Tweeter's dim. Ext. / Diaphragm: Ø100 mm / Ø25 mm
 Dimensions W x H x D mm: 166 x 446 x 200
 Gross / Net Weight: 11.2 / 10.2 kg

A17-M



ACTIVE MONITORS

05

DESCRIPTION

A **classic near-field precision monitor**, the A17-M is the ideal entry model to the PSI Audio range. Perfectly suited for surround sound and near-field applications, **the A17-M is ideal for studio application where the ultimate in precision is required.** Its compact form incorporates the full range of PSI Audio's outstanding technologies.

The powerful bi-amplified output features the unique "AOI" output stages, while the active crossover, with integrated "CPR", delivers unprecedented impulse behavior – with excellent stereo imaging. The crossover is also optimized for maximum phase coherence, projecting a wide horizontal and vertical ideal listening area.

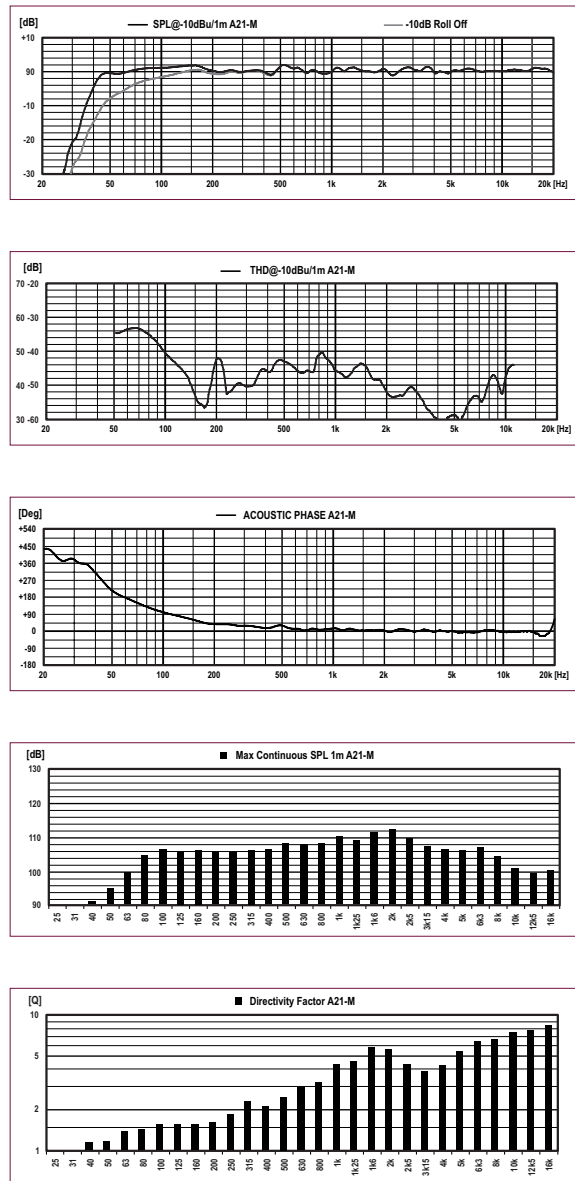
Designed to work in harmony with the full range of A series monitors the A17-M also makes ideal rear speakers in a surround sound setup, or can be developed in to a more powerful system by adding the A225-M sub – thus protecting your investment.

TECHNICAL DATA

Power RMS:	80 + 40W
Program Power:	120W
Continuous Max SPL@1m:	103 dB (single)
Program Max SPL@1m:	114 dB (pair)
Response at -6dB:	43 - 23000 Hz
Tolerances:	±2.5 dB (50Hz - 20kHz)
Phase tolerances:	±45° (180Hz - 20kHz)
Dispersion (P.N. 4 - 16 kHz) at -6 dB:	90° x 90° (H x V)
System:	2 Way(s)
Crossover frequency:	3.0 kHz
Woofer's dim. Ext. / Diaphragm:	Ø175 mm / Ø130 mm
Tweeter's dim. Ext. / Diaphragm:	Ø100 mm / Ø25 mm
Dimensions W x H x D mm:	200 x 320 x 230
Gross / Net Weight:	9.5 / 8.4 kg

"Performance far higher than similarly sized monitors, tonally extremely accurate and neutral. Highly recommended for serious high-end applications" – Hugh Robjohns from Sound on Sound, UK

A21-M



DESCRIPTION

The A21-M high power near / mid-field precision monitor covers a broad frequency spectrum, allowing the user to be in full control of their audio production. Its unique and highly optimised assets make it perfect for near, mid-field and surround sound applications where ultimate precision is required.

The powerful bi-amplified output stages features the unique "AOI" output stages and has a protection circuit, which can be monitored via the red LED on the front panel. The active crossover, with integrated "CPR", gives the A21-M unprecedented impulse behavior – with excellent stereo imaging. The crossover is also optimized for maximum phase coherence, projecting a wide horizontal and vertical ideal listening area. The electronics are housed in a unit mechanically isolated from the speaker cabinet to avoid resonance at high sound pressure levels.

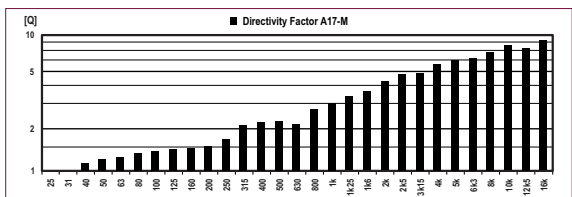
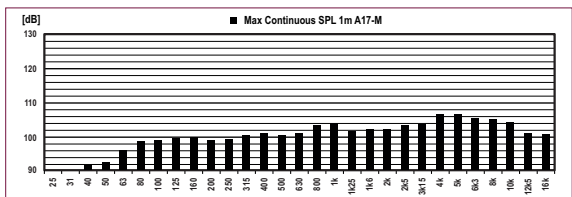
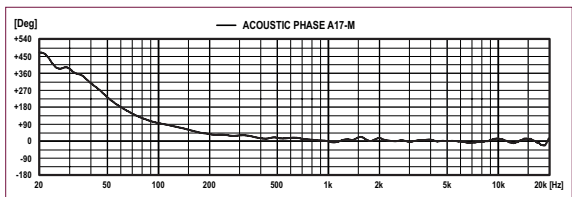
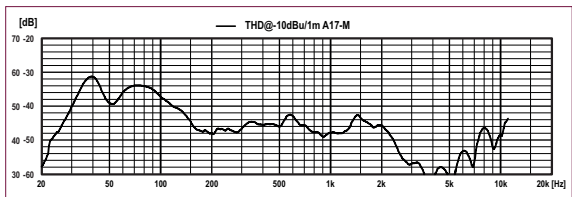
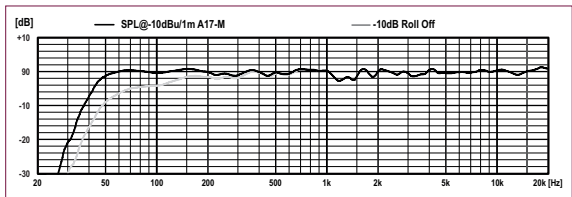
Designed to work in harmony with the full range of A series monitors the A21-M also makes ideal front speakers in a surround sound setup, or can be developed in to a more powerful system by adding the A225-M sub – thus protecting your investment.

"Of particular note though is the remarkable step response, which is presumably helped by PSI Audio's «Compensated Phase Response (CPR) system". This accurate a time response is very rare in this type of speaker but here, PSI Audio has proven that it is possible.»
- Keith Holland from Resolution Magazine, UK

TECHNICAL DATA

Power RMS:	120 + 50W
Program Power:	170W
Continuous Max SPL@1m:	108 dB (single)
Program Max SPL@1m:	119 dB (pair)
Response at -6dB:	38 - 23000 Hz
Tolerances:	±2 dB (44Hz - 20kHz)
Phase tolerances:	±45° (190Hz - 20kHz)
Dispersion (P.N. 4 - 16 kHz) at -6 dB:	90° x 90° (H x V)
System:	2 Way(s)
Crossover frequency:	2.4 kHz
Woofer's dim. Ext. / Diaphragm:	Ø217 mm / Ø170 mm
Tweeter's dim. Ext. / Diaphragm:	Ø100 mm / Ø25 mm
Dimensions W x H x D mm:	250 x 400 x 300
Gross / Net Weight:	14.8 / 13.4 kg

A25-M



DESCRIPTION

The pinnacle of current PSI Audio system development, the A25-M main / mid-field reference monitor features a staggering precision of +/- 1.5 dB tolerance between 38Hz and 20KHz. The tweeter unit is hand-crafted in-house in order to ensure performance and accuracy. These highly optimised features make the A25-M unique. A true reference speaker for stereo and surround sound applications where ultimate precision is required.

The powerful tri-amplified output stages features the unique "AOI" output stages and has a protection circuit, which can be monitored via the red LED on the front panel. The active crossover, with integrated "CPR", gives the A25-M unprecedented impulse behavior – with excellent stereo imaging. The crossover is also optimized for maximum phase coherence, which allows for a very broad horizontal and vertical ideal listening area. Tilting the mid-high range unit by 90° maintains the directivity accuracy when using the speaker horizontally. The A25-M's electronics are housed in a unit mechanically isolated from the speaker cabinet to avoid resonance at high sound pressure levels.

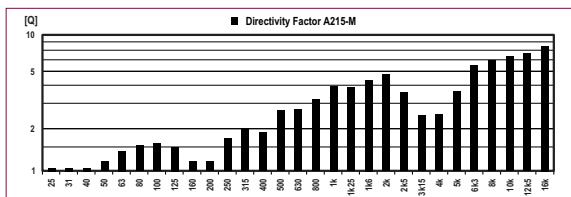
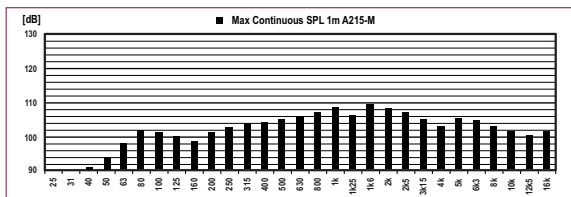
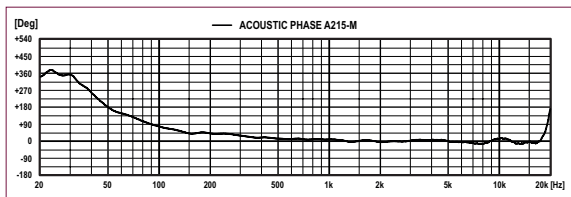
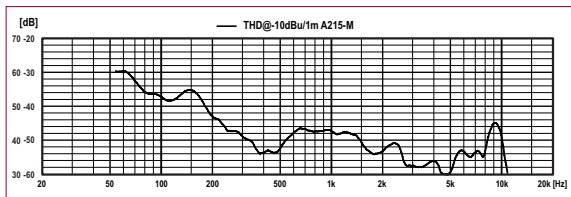
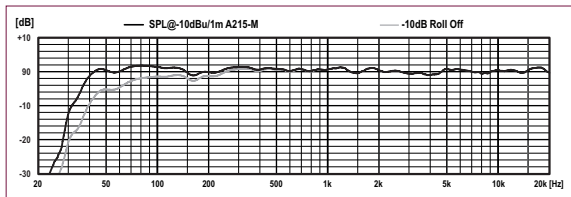
Designed to work in harmony with the full range of A series monitors the A25-M also makes ideal front speakers in a surround sound setup, or can be developed in to a more powerful system by adding the pair A225-M sub – thus providing an upgrade path and protecting your investment.

"The sound is very detailed, a lot of transients, very detailed in the highend, imaging is very accurate. You can hear compression artefacts crystal clear..." - George Necola from GearsLutz.com

TECHNICAL DATA

Power RMS: 170 + 80 + 50 W
Program Power: 300 W
Continuous Max SPL@1m: 110 dB (single)
Program Max SPL@1m: 121 dB (pair)
Response at -6dB: 32 - 23000 Hz
Tolerances: ±1.5 dB (38Hz - 20kHz)
Phase tolerances: ±45° (150Hz - 20kHz)
Dispersion (P.N. 4 - 16 kHz) at -6 dB: 90° x 80° (H x V)
System: 3 Way(s)
Crossover frequency: 580Hz, 3.1kHz
Woofer's dim. Ext. / Diaphragm: Ø258 mm / Ø210 mm
Medium's dim. Ext. / Diaphragm: Ø142 mm / Ø102 mm
Tweeter's dim. Ext. / Diaphragm: Ø100 mm / Ø25 mm
Dimensions W x H x D mm: 320 x 590 x 380
Gross / Net Weight: 32.1 / 28.4 kg

A215-M



DESCRIPTION

The evolution of mastering and multichannel techniques, as well as the arise of personal studios, lead us to think that a new shape of monitors could begin a new trend. The innovative architecture of PSI Audio A215-M produces outstanding performances for mastering, with a subwoofer.

This floorstanding monitor benefits from perfectly coincident sources. It has been optimized for a listening in sitting or standing position and reproduces the sonic space with a remarkable precision.

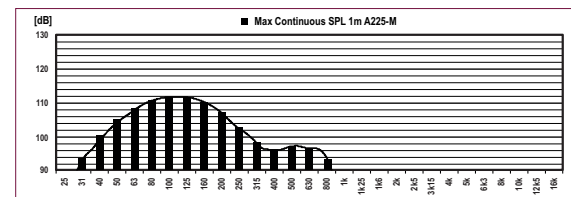
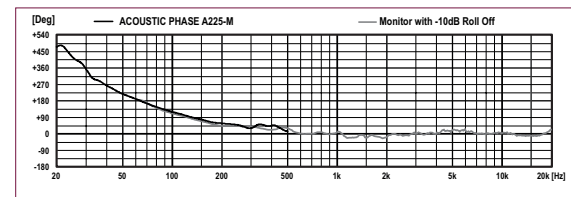
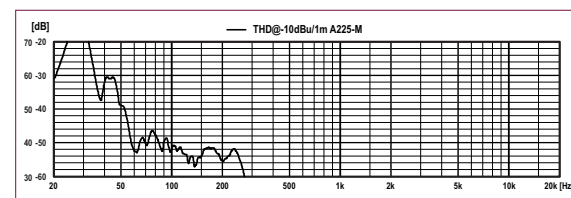
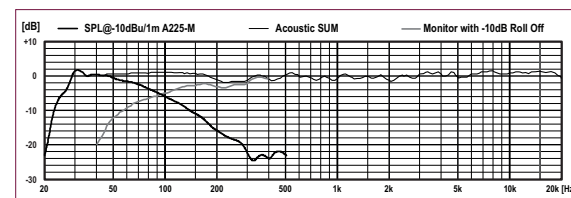
Moreover, the A215-M features all the most advanced technological innovations of the brand: high-yield G class amplification, CPR, AOI, ALG and PSC that make PSI Audio monitors so specific. The A215-M is designed to be integrated in harmony with all the rest of the M series monitor range. The A215-M can easily be used in stereo or in surround systems.

TECHNICAL DATA

Power RMS: 120 + 40 W
Program Power: 160 W
Continuous Max SPL@1m: 106 dB (single)
Program Max SPL@1m: 117 dB (pair)
Response at -6dB: 36 - 23000 Hz
Tolerances: ±2.0 dB (42Hz - 20kHz)
Phase tolerances: ±45° (270Hz - 20kHz)
Dispersion (P.N. 4 - 16 kHz) at -6 dB: 90° x 60° (H x V)
System: 2 Way(s)
Crossover frequency: 1.8 kHz
Woofer's dim. Ext. / Diaphragm: 2x Ø147 mm / Ø104 mm
Tweeter's dim. Ext. / Diaphragm: Ø100 mm / Ø25 mm
Dimensions W x H x D mm: 166 x 1110 x 250
Gross / Net Weight: 19.6 / 15.8 kg

"The A215 surprises in its capacity to deliver a very broad bandwidth with an incredible SPL, making the add of a subwoofer completely useless" - Fritz Fey from Studio Magazin, Germany

SUB A225-M



TECHNICAL DATA

Power RMS:	200 W
Program Power:	300 W
Continuous Max SPL@1m:	111 dB (single)
Program Max SPL@1m:	116dB / half space
Response at -6dB:	24 - 100 Hz
Tolerances:	±2 dB (28Hz - 65Hz)
System:	1 Way
Crossover frequency:	90Hz
Woofer's dim. Ext. / Diaphragm:	2x Ø258 mm / Ø210 mm
Dimensions W x H x D mm:	320 x 700 x 500
Gross / Net Weight:	43.1 / 38.4

DESCRIPTION

An exceptional piece of acoustic design, the A225-M sub-woofer/bass extension is equally suited to use as a mono sub-woofer in a surround sound application or as a bass extension in a stereo system.

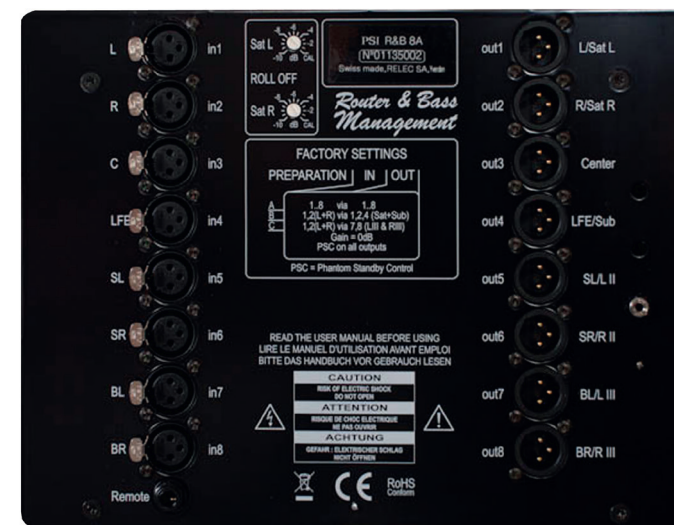
Designed to work in harmony with the A225-M Sub, all PSI Audio "A" series speakers feature a frequency response roll-off function that, when combined with the A225-M Sub, extends the frequency range down to an incredible 24 Hz, whilst maintaining a flat response.

The powerful class G outputs feature PSI Audio's unique "AOI" output stages, giving the A225-M an unprecedented impulse behavior. Each driver and amplifier unit is secured by a protection circuit, which is monitored by a red LED on the front panel. The electronics are housed in a unit mechanically isolated from the speaker cabinet to avoid resonance at high sound pressure levels.

To provide stability and avoid cabinet resonance A225-M is built with a double-box design, combining two cabinets into a single beautifully finished unit.

"The real trick is to simultaneously provide a pure neutral processed signal and bypass all the obstacles on the road to obtain it. PSI Audio staff challenged laws of physics and mechanical constraints. Engineers from the company PSI Audio mastered this art."
- Estrada iStudio!, Poland

R&B MANAGEMENT

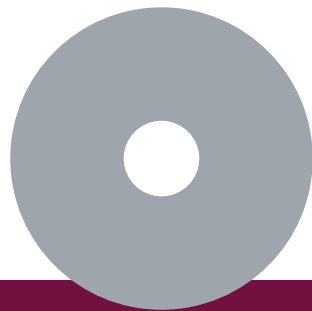


FUNCTIONS

- Easy switching between 3 Monitoring systems
- Use of one multichannel speakers system in multichannel, satellite +sub or stereo modes
- Subwoofer usable as bass extension or LFE
- Standby/Mute and switching modes controlled by a simple footswitch
- Standby control for the unused PSI Audio speakers

KEY FEATURES

- Full analog transparent system without internal channels mixing
- Integrated into the subwoofer PSI Audio A225-M as an option
- Optional display providing standby and preparation modes
- True balanced outputs adapted for balanced or unbalanced inputs
- Internal input gains adjustments
- Compatible with any monitors brand



METAL GRILL A17

This metal grill protection was precisely designed for the A17-M model. The grill covers the whole front side of the speaker to make sure that both transducers could not be damaged. The acoustic design of the grill provides a maximum alteration of 1dB on certain high frequencies. The global acoustic performance of the product remained then almost unchanged. The mounting of the grill requires precision, but the process is quite simple and detailed in a Mounting Manual delivered with the grill. Read the manual carefully before installing the grill to avoid any mishandling.

METAL GRILL A21

This metal grill protection was precisely designed for the A21-M model. The grill covers the whole front side of the speaker to make sure that both transducers could not be damaged. The acoustic design of the grill provides a maximum alteration of 1dB on certain high frequencies. The global acoustic performance of the product remained then almost unchanged. The mounting of the grill requires precision, but the process is quite simple and detailed in a Mounting Manual delivered with the grill. Read the manual carefully before installing the grill to avoid any mishandling.

MOUNTING BRACKET A17

The Metal Handling Bracket for A17-M is a must-have if you plan to install your PSI Audio A17-M on the wall or on the ceiling. The Bracket also enables to tilt the speakers upwards if the units stands on a desk and therefore direct the speakers directly to your ears. That avoids speaker stand and diminishes the speaker reflection on the desk/console/working station. The mounting of the bracket requires precision, but the process is quite simple and detailed in a Mounting Manual delivered with the grill. Read the manual carefully before installing the bracket to avoid any mishandling.

DESCRIPTION

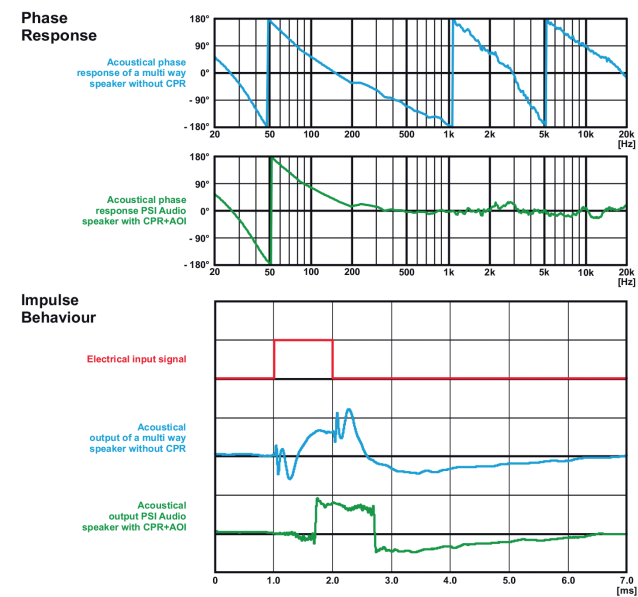
Respect of space and sound quality, thanks to CPR (Compensated Phase Response) and AOI (Adaptive Output Impedance)

The human ear is able of recognising tones through the transients, as well as the origin of the sources into space. The transient response depends on damping as well as on phase response.

The CPR system consists in several all pass filters who each act in a specific range of frequency in order to obtain a wide area of Compensated Phase Response, this then providing a constant group delay.

The AOI system is composed of a movement detection of the moving coil as well as a feedback filtering. The damping rate is then adjusted according to the frequency.

The association of both CPR and AOI results in an accurate impulse behaviour response and therefore, autorises the combination of different types of PSI Audio Speakers in a multichannel installation, for example.





Technical Data	A14-M	A17-M	A21-M	A25-M	A215-M	A214-M	A225-M
Power RMS	70 + 30W	80 + 40W	120 + 50W	170 + 80 + 50 W	120 + 40 W	120 + 40W	200 W
Program Power	100W	120W	170W	300 W	160 W	160W	300 W
Continuous Max SPL@1m	101 dB (single)	103 dB (single)	108 dB (single)	110 dB (single)	106 dB (single)	108 dB (single)	111 dB (single)
Program Max SPL@1m	112 dB (pair)	114 dB (pair)	119 dB (pair)	121 dB (pair)	117 dB (pair)	119 dB (pair)	116dB / half space
Response at -6dB	56 - 22000 Hz	43 - 23000 Hz	38 - 23000 Hz	32 - 23000 Hz	36 - 23000 Hz	53 - 23000 Hz	24 - 100 Hz
Tolerances	±2.5 dB (65Hz - 18kHz)	±2.5 dB (50Hz - 20kHz)	±2 dB (44Hz - 20kHz)	±1.5 dB (38Hz - 20kHz)	±2.0 dB (42Hz - 20kHz)	±2.0 dB (60Hz - 20kHz)	±2 dB (28Hz - 65Hz)
Phase tolerances	±45° (260Hz - 16kHz)	±45° (180Hz - 20kHz)	±45° (190Hz - 20kHz)	±45° (150Hz - 20kHz)	±45° (270Hz - 20kHz)	±45° (270Hz - 20kHz)	-
Dispersion (P.N. 4 - 16 kHz) at -6 dB	100° x 100° (H x V)	90° x 90° (H x V)	90° x 90° (H x V)	90° x 80° (H x V)	90° x 60° (H x V)	90° x 60° (H x V)	-
System	2 Way(s)	2 Way(s)	2 Way(s)	3 Way(s)	2 Way(s)	2 Way(s)	1 Way
Crossover frequency	3.5 kHz	3.0 kHz	2.4 kHz	580Hz, 3.1kHz	1.8 kHz	1.8 kHz	90Hz
Woofer's dim. Ext. / Diaphragm	Ø147mm / Ø104mm	Ø175 mm / Ø130 mm	Ø217 mm / Ø170 mm	Ø 258 mm / Ø 210 mm	2x Ø 147 mm / Ø 104 mm	2x Ø 147 mm / Ø 104 mm	2x Ø 258 mm / Ø 210 mm
Medium's dim. Ext. / Diaphragm	-	-	-	Ø 142 mm / Ø 102 mm	-	-	-
Tweeter's dim. Ext. / Diaphragm	Ø70mm / Ø24mm	Ø100 mm / Ø25 mm	Ø100 mm / Ø25 mm	Ø 100 mm / Ø 25 mm	Ø 100 mm / Ø 25 mm	Ø 100 mm / Ø 25 mm	-
Dimensions W x H x D mm	163 x 243 x 170	200 x 320 x 230	250 x 400 x 300	320 x 590 x 380	166 x 1110 x 250	166 x 446 x 200	320 x 700 x 500
Net Weight	5.5 kg	8.4 kg	13.4 kg	28.4 kg	15.8 kg	10.2 kg	38.4 kg
Warranty	2 years	2 years	2 years	2 years	2 years	2 years	2 years

