



Advanced Sound Systems



ST - STA Series

Catalogue
2016

An updated .pdf version of this manual is always available [here](#)

Pro DG Systems. Passion for high quality

More than 30 years of experience at the design, manufacture and selling of high quality and performance professional sound systems. The most advanced tools and innovative technology, an highly experienced and trained workforce in the complete design, manufacture and optimization process of acoustic equipment, hardware and all other related supplements.



An absolute control of the complete developing process by enforcing the most exigent quality control in every step of our sound systems manufacture, counting with our own carpentry and metal work department and the most experienced R + D department.



The most effective customer and postsale service, working closely with professionals worldwide to serve and assist the professional effectively in the shortest time possible.

Definitely, passion for high quality, soundness and warranty to satisfy all the requirements of the most exigent professionals.

An exciting project in constant evolution in which an increasing number of professionals around the world are taking part. Advanced Sound Systems.

100% Made in Spain



With European components

A handwritten signature in black ink, appearing to read 'José Carlos López'.

"Thanks to all our partners and friends who make possible this exciting project together"

José Carlos López. General Manager

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ST 112 & STA 112

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ST 112 & STA 112 - System Overview



Despite it is the little brother of the **ST & STA Series**, **ST 112** owns an impressive efficiency as is evidenced by its Power Handling of 600 W RMS / program of 1200 W / 2400 W peak. Average Sensitivity of 100 dB and its Maximum SPL peak of 134 dB.

Thanks to its superior performance, compact size (450x368x565mm) and weight (20 Kg), using CNC construction of 18-15mm made from birch wood plated on the exterior, makes it superior to other much bigger and heavy systems and practically invisible on the stage.

ST 112 is a 2-way stage monitor system, equipped with one (1) speaker of 12" in a tuned enclosure. The HF section has one (1) compression driver of 1", coupled to one (1) rotating diffuser of 60X40, to achieve the maximum performance in function of the necessity type or event. Thanks to its super compact and ergonomic design makes it very manageable and easy to use on the stage.

It can be served in passive version (**ST 112**) or self - powered version (**STA 112**), which includes inserted amplification module **GT 1.2 H**, offering the advantage of amplify itself and another passive unit **ST 112** in slave mode.

Its special sweetness and superior performance makes it the perfect stage monitoring solution.

Complete accessories for **ST 112** and **STA 112** are available.

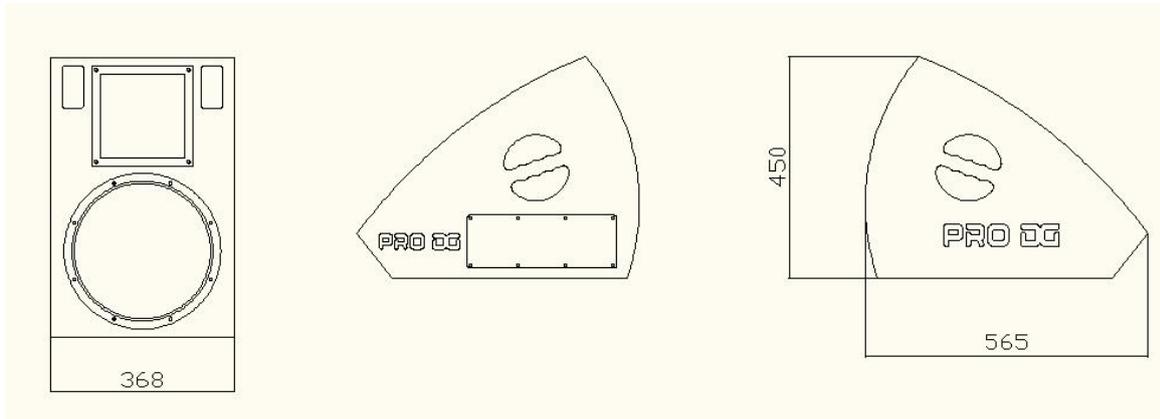
Technical Specifications

Power Handling:	600 W RMS (EIA 426A standard) / 1200 W program / 2400 W peak.
Nominal Impedance:	8 Ohm.
Average Sensitivity:	100 dB / 2.83 V/1m (average 150 - 16000 Hz wideband).
Maximum SPL Calculation:	/ 1m 128 dB continuous / 131 dB program / 134 dB peak.
Frequency Range:	+/-3 dB from 60 Hz to 18 KHz.
Nominal Directivity:	60x40 rotating diffuser.
Low / Mid Frequency Driver:	One (1) Beyma speaker of 12", 8 Ohm, 550 W, 330,2 mm of diameter with high temperature glass fiber voice coil.
High Frequency Driver:	One (1) Beyma driver of 1", 8 Ohm, 50 W, 25mm exit (44.4 mm) with voice coil Mylar diaphragm.
Recommended Amplifier *	Pro DG Systems GT 1.2 H or Lab.gruppen FP 6000Q.
Connectors **	2 NL4MP Neutrik speakon connectors.
Acoustic Enclosure:	CNC model, 18-15mm made from birch plywood plated on the exterior.
Finish:	Standard finish in black paint of high weather resistance.
Cabinet Dimensions:	(HxWxD); 450x368x565mm (17,72"x14,49"x22,24").
Weight ***	20 Kg (44,09 lbs) net / 21,2 Kg (46,74 lbs) with packaging.

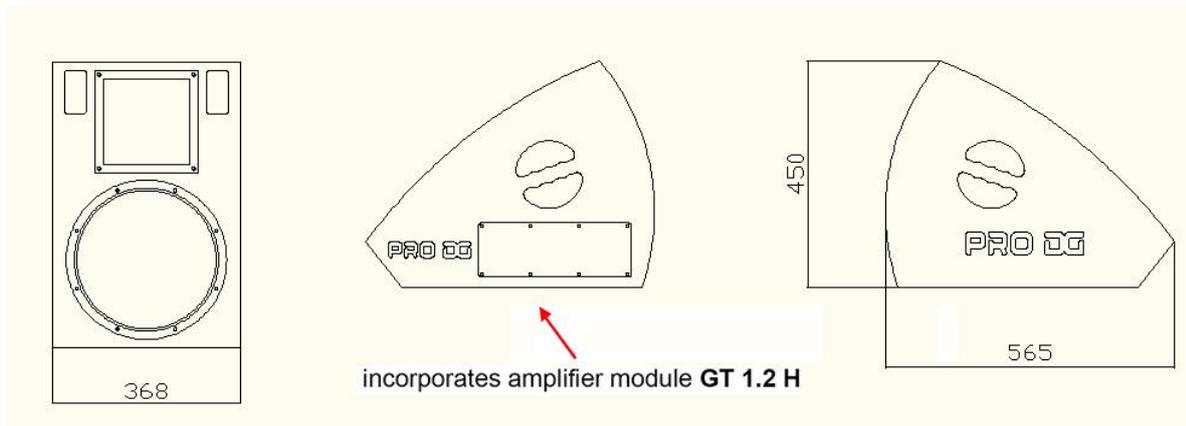
For STA 112

Recommended Amplifier *	Pro DG Systems GT 1.2 H into the cabinet
Connectors **	2 X XLR + 1 NL4MP speakon connectors. USB-Ethernet + 2 X Powercom.
Weight ***	21,3 Kg (46,96 lbs) net / 22,5 Kg (49,60 lbs) with packaging.

Architectural Specifications (ST 112)



Architectural Specifications (STA 112)



Hardware & Accessories

Flight Case to transport two (2) units **ST 112** or **STA 112** is available.

ST 115 & STA 115 - System Overview



With an impressive tonal distinction and performance (Power Handling of 800 W RMS / program of 1600 W / 3200 W peak. Average Sensitivity of 101 dB and Maximum SPL peak of 136 dB, **ST 115** represents **the definitive stage monitoring solution**.

This 2-way stage monitor system is equipped with one (1) speaker of 15" in a tuned enclosure. The HF section has one (1) compression driver of 1/4", coupled to one (1) rotating diffuser of 80X50, to provide with the maximum control and precision. Thanks to its compact and ergonomic design makes it very manageable and easy to use on the stage.

It can be served in passive version (**ST 115**) or self - powered version (**STA 115**), which includes inserted amplification module **GT 1.2 H**, offering the advantage of amplify itself and another passive unit **ST 115** in slave mode.

Its superior performance makes it the perfect stage monitoring solution for vocals and instruments where it is necessary high performance and SPL, in portable or permanent installations.

Complete accessories for **ST 115** and **STA 115** are available.

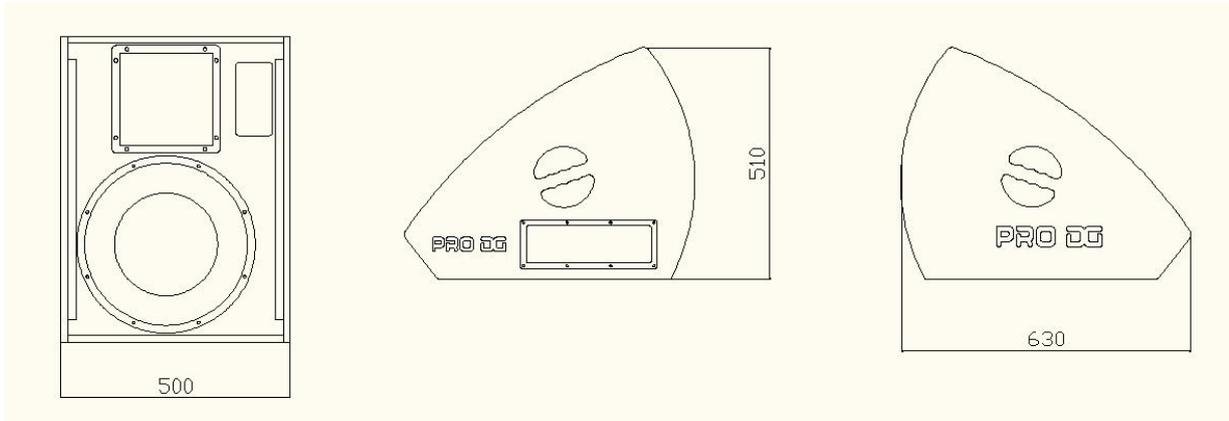
Technical Specifications

Power Handling:	800 W RMS (EIA 426A standard) / 1600 W program / 3200 W peak.
Nominal Impedance:	8 Ohm.
Average Sensitivity:	101 dB / 2.83 V/1m (average 150 - 16000 Hz wideband).
Maximum SPL Calculation:	/ 1m 130 dB continuous / 133 dB program / 136 dB peak.
Frequency Range:	+/-3 dB from 50 Hz to 18 KHz.
Nominal Directivity:	80x50 rotating diffuser.
Low / Mid Frequency Driver:	One (1) Beyma speaker of 15", 8 Ohm, 700 W, 406mm of diameter with high temperature glass fiber voice coil.
High Frequency Driver:	One (1) Beyma driver of 1/4", 8 Ohm, 100 W, 36mm exit (44.4mm) with voice coil Mylar diaphragm.
Recommended Amplifier *	Pro DG Systems GT 1.2 H or Lab.gruppen FP 6000Q.
Connectors **	2 NL4MP Neutrik speakon connectors.
Acoustic Enclosure:	CNC model, 18-15mm made from birch plywood plated on the exterior.
Finish:	Standard finish in black paint of high weather resistance.
Cabinet Dimensions:	(HxWxD); 510x500x630mm (20,08"x19,68"24,80").
Weight ***	30,5 Kg (67,24 lbs) net / 31,7 Kg (69,89 lbs) with packaging.

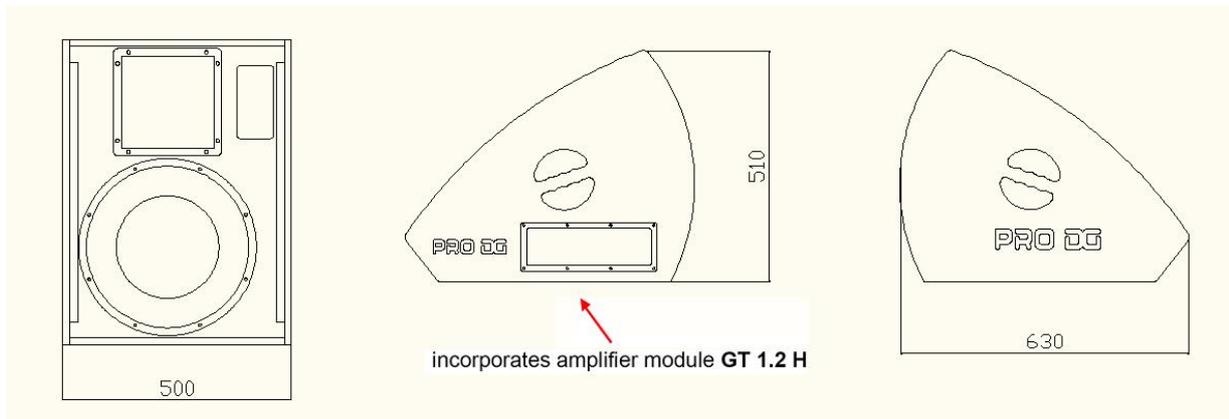
For STA 115

Recommended Amplifier *	Pro DG Systems GT 1.2 H into the cabinet
Connectors **	2 X XLR + 1 NL4MP speakon connectors. USB-Ethernet + 2 X Powercom.
Weight ***	31,8 Kg (70,11 lbs) net / 32 Kg (70,55 lbs) with packaging.

Architectural Specifications (ST 115)



Architectural Specifications (STA 115)



Hardware & Accessories

Flight Case to transport two (2) units **ST 115** or **STA 115** is available.

ST 212 & STA 212 - System Overview



ST 212 is simply the best monitor system solution thanks to its Power Handling of 1100 W RMS / program of 2200 W / 4400 W peak. Average Sensitivity of 102 dB and Maximum SPL peak of 138 dB, super compact size (450x698x565) and light weight (33,3 Kg), using CNC construction of 18-15mm made from birch wood plated on the exterior.

One of a kind thanks to its unprecedented relationship between high performance, size and weight.

This 2-way stage monitor system is equipped with two (2) speakers of 12" in a tuned enclosure. The HF section has one (1) compression driver of 1/4", coupled to one (1) rotating diffuser of 80X50, to provide with the maximum control and precision. Thanks to its compact and ergonomic design makes it very manageable and easy to use on the stage.

It can be served in passive version (**ST 212**) or self-powered version (**STA 212**), which includes inserted amplification module **GT 1.2 H**.

Simply the best stage monitoring solution for vocals and instruments where it is necessary high performance and SPL, in portable or permanent installations.

Complete accessories for **ST 212** and **STA 212** are available.

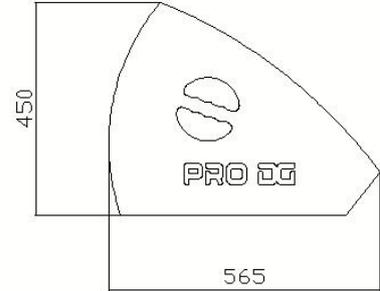
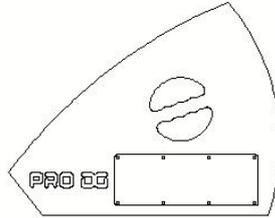
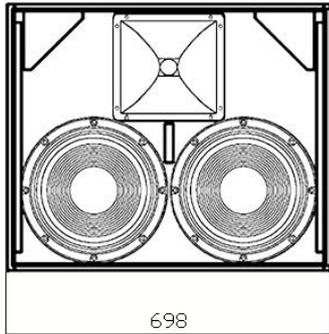
Technical Specifications

Power Handling:	1100 W RMS (EIA 426A standard) / 2200 W program / 4400 W peak.
Nominal Impedance:	4 Ohm.
Average Sensitivity:	102 dB / 2.83 V/1m (average 60 - 18000 Hz wideband).
Maximum SPL Calculation:	/ 1m 132 dB continuous / 135 dB program / 138 dB peak.
Frequency Range:	+/-3 dB from 50 Hz to 18 KHz.
Nominal Directivity:	80x50 rotating diffuser.
Low / Mid Frequency Driver:	Two (2) Beyma speakers of 12", 8 Ohm, 500 W, 330,2 mm of diameter with high temperature glass fiber voice coil.
High Frequency Driver:	One (1) Beyma driver of 1/4", 8 Ohm, 100 W, 36mm exit (44.4mm) with voice coil Mylar diaphragm.
Recommended Amplifier *	Pro DG Systems GT 1.2 H or Lab.gruppen FP 6000Q.
Connectors **	2 NL4MP Neutrik speakon connectors.
Acoustic Enclosure:	CNC model, 18-15mm made from birch plywood plated on the exterior.
Finish:	Standard finish in black paint of high weather resistance.
Cabinet Dimensions:	(HxWxD); 450x698x565mm (17,72"x27,48"x22,24").
Weight ***	33,3 Kg (73,41 lbs) net / 34,5 Kg (76,06 lbs) with packaging.

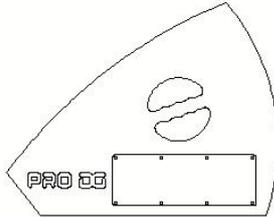
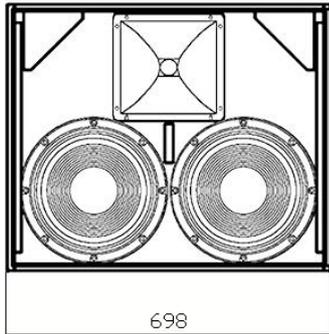
For STA 212

Recommended Amplifier *	Pro DG Systems GT 1.2 H into the cabinet
Connectors **	2 X XLR + 1 NL4MP speakon connectors. USB-Ethernet + 2 X Powercom.
Weight ***	34,5 Kg (76,06 lbs) net / 35,7 Kg (78,71 lbs) with packaging.

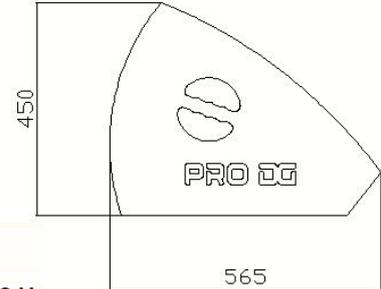
Architectural Specifications (ST 212)



Architectural Specifications (STA 212)



incorporates amplifier module **GT 1.2 H**



Hardware & Accessories

Flight Case to transport two (2) units **ST 212** or **STA 212** is available.



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