




PRO DG SYSTEMS IT 112 PA Apollo Series Linear Array Speaker User Manual

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SYSTEMS IT 112 PA Apollo Series Linear Array Speaker
User Manual



Apollo Series Configured systems

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IT 112 PA Apollo Series Linear Arrie Speaker

The new Apollo Series from Pro DG Systems is the perfect system configuration for permanent installation, portable system and all type of point source applications where high performance is required.

The new Apollo Series is composed by the new models; IT 112 PA (satellite) and IT-A 118 B (subwoofer), featuring state-of-the-art Class-D amplification and a very intuitive processing for easy handling and absolute control, ready to plug in and work.

The easy interaction of its different elements makes it a versatile modular system, allowing it to be easily installed by a single person and scale it in systems with a greater number of elements.

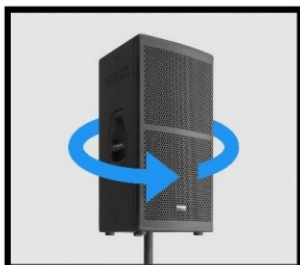
The compact design and reduced weight of its elements make it easy to transport, which suppose great logistical savings. The innovative versatility of Apollo Series makes it the ideal system configuration for small bands, orchestras, corporate events, as well as holding events in places of worship and leisure, offering the possibility of creating different system configurations.

The main characteristics and technical specifications of IT 112 PA and IT-A 118 B as well as different configuration examples between them are specified below.

IT 112 PA



360° rotatable



1 speaker of 12" for Low / Mid frequencies.

1 compression driver of 1/4" for HF

Flight hardware available



Extreme versatility for quick configurations



Flight hardware for
IT 112 PA.



Flight bumper
to work in
cluster mode.



Flight bumper to work as Line
Array system.



Extension bar to connect **IT 112 PA**
with **IT-A 118 B**.



"T" support for 2 units **IT 112 PA**.



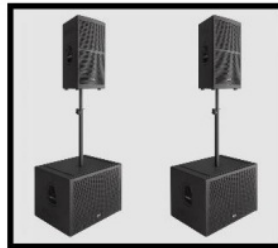
Bracket for wall installation with adjustable angulation.

Technical specifications	IT 112 PA
Power Handling	2400 W peak / 1200 W program / 600 W RMS (EIA 426A Standard).
Nominal Impedance	8 Ohm.
Average Sensitivity	100 dB / 2.83V / 1m (average of 150 – 16000Hz wideband).
Calculated Maximum SPL	/ 1m 130 dB continuous / 133 dB program / 136 dB peak.
Frequency Range	+/-3 dB between 40 Hz – 18 kHz.
Nominal Directivity	80×50 rotating diffuser.
Low / Mid Frequency Driver	One (1) Pro DG Systems speaker of 12", 8 Ohm, 500 W.
High Frequency Driver	One (1) Pro DG Systems driver of 1/4", 8 Ohm, 100 W.
Amplifier	No / Passive, it connects through SAT output of IT-A 118 B.
Rigging points	12 x M10
Connectors	2 NL4MP speak on.
Controls	Multifunction switch to work with its own crossover or implied.
Acoustic Enclosure	CNC fabrication in 15mm birch plywood.
Finish	Special textured black paint finish.
Grille / Hardware	2 mm metal grille with 0.5 mm acoustic foam + 2 handles with aluminum handgrip.
Dimensions	(H x W x D); 690x390x380mm (27,16"x15,35"x14,96").
Weight	27,2 Kg (59,96 lbs.) net / 28,7 Kg (63,27 lbs.) with packaging.

IT-A 118 B



*Compact and
lightweight
design*



*Extreme versatility for
quick configurations*

*96kHz, 24 bit DSP
processor with 3
factory presets.
Speakon output
for SAT*



*Last generation
Class-D amplifier*

Technical specifications	IT-A 118 B
Power Handling	4000 W peak / 2000 W program / 1000 W RMS (EIA 426A Standard).
Nominal Impedance	8 Ohm.
Average Sensitivity	99 dB / 2.83V / 1m (average of 50-1000Hz wideband).
Maximum SPL Calculation	/ 1m 125 dB continuous / 128 dB program / 131 dB peak.
Frequency Range	+/-3 dB between 30 – 150 kHz.
Nominal Directivity	Omnidirectional.
Component	One (1) speaker of 18" with ferrite magnet, 1000 W, 8 Ohm.
Amplifier	Last generation Class-D amplifier with 2 channels, 1*1200w for Low + 1*600w for SAT, with voltage selector. 96kHz, 24 bit DSP processor with 3 factory presets. Speak on output for SAT.
Connectors	1 XLR/combo channel with output for satellite + XLR Link.
Controls	On/off switch, volume level, Bluetooth on/off switch, TWS switch, DSP management switch and LCD display for preset selection.
Power Supply	110~220V 50/60HZ with voltage selector.
Acoustic Enclosure	CNC fabrication in 18mm birch plywood.
Finish	Special textured black paint finish.
Grille / Hardware	2 mm metal grille with 0.5 mm acoustic foam + 1 m20 pole mount adapter + 2 handles with aluminum handgrip.
Dimensions	(H x W x D); 520x715x605mm (20,47"x28,15"x23,82")
Weight	49,4 Kg (108,9 lbs.) net / 50,9 Kg (112,21 lbs.) with packaging.

System configurations

Apolo 1

System with 1600 W RMS. Composed by: 1 unit IT 112 PA + 1 unit IT-A 118 B



Apollo 2

System with 3200 W RMS. Composed by: 2 units IT 112 PA + 2 units IT-A 118 B


Ideal for small bands, orchestras, corporate events, as well as holding events in places of worship and leisure, offering the possibility of creating different system configurations.





Advanced Sound Systems
www.prodgsystems.com

Documents / Resources

 <p>Apollo Series Configured systems</p>	<p>PRO DG SYSTEMS IT 112 PA Apollo Series Linear Array Speaker [pdf] User Manual IT 112 PA, IT-A 118 B, IT 112 PA Apollo Series Linear Array Speaker, IT 112 PA, Apollo Series Linear Array Speaker, Linear Array Speaker, Array Speaker, Speaker</p>
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