

ES 1203 - Column PA system



ES family grows stronger with ES 1203, a complete stereo sound system encompassing its predecessors' versatility with striking SPLs (the system features a 2400W last-generation power amp) and an impressively coherent throw pattern.

- BAG FOR SUB AND TOPS INCLUDED
- TRI-AMPED ACTIVE STEREO PA SYSTEM
- 2400 W POWER
- LATEST GENERATION DIGIPRO G4 AMP TECHNOLOGY
- USER-FRIENDLY DSP INTERFACE
- 3 CONFIGURATION MODES (MONO, STEREO OR DOUBLE COLUMN)
- ON-BOARD 5 CHANNEL MIXER
- BLUETOOTH® AUDIO RECEIVER
- 3 INPUT CHANNEL MODES (MIC/INSTR/LINE)
- CUSTOMIZABLE BALANCED OUTPUT CHANNEL (MIX/MONITOR/AUX)
- ULTRA WIDE COVERAGE

ES1203 is a 3-amped stereo sound system composed by 2 passive wooden tops and one active wooden subwoofer equipped with 2x12" woofers. The sub hosts last-generation Digipro G4® 2400W Peak amp. A powerful DSP (controlled by an intuitive user interface placed on the top of the sub) manages all function of the 5-channel on-board digital mixer as well as the system configuration. Each top satellite is equipped with 4x4" mid-woofers, whose alignment allows an asymmetrical vertical coverage (thanks to the Logarithmic Curved Column Array technology). The unique design of phase plugs widens the horizontal coverage and guarantees a perfect intelligibility.

Moreover, on board DSP allows users to choose among 3 Configuration Modes (Mono, Stereo or Double Column) and 2 different Steering Modes (Far and Near). This way, the system adapts to all kind of environments and guarantees the best throw pattern.

Top satellites work separately in a stereo configuration (placed on tripods or installed with WB-44 accessory) or connected together in mono configuration. The enclosure of both satellites embeds a metal lock system assuring perfect top to top matching and electrical connection. One of the two satellites receives the signal from the sub and relaunch it to the companion top.

ES1203 features an on board 5-channel mixer: the first channel features a MIC/instrument balanced/unbalanced combo connector with an adjustable anti-feedback filter, impedance compensation and microphone gain with 3 positions (0, +10, + 20dB). The second and third channels are MIC/LINE inputs with balanced/unbalanced combo connector. This allows the system to manage up to 3 mic lines at a time.

The built-in Bluetooth module receives stereo audio from portable devices managing the signal in a separate stereo channel.

The balanced AUX/MIX output serves as a direct link or, alternatively, as an Aux output for a stage monitor or another speaker. When in Double Column Mode, this output acts as a source for another ES1203 system providing Left or Right signal.

The semi-horn loaded subwoofer houses 2x12" woofers, the amp module and the OLED display with system controls. The enclosure, sturdy and stylish, is made of plywood coated with a durable scratch-resistant black coat, which makes it truly road-ready. The magnetic dolly DO-ES1203 allows to transport the system quickly and smoothly.

ES1203 is incredibly simple to set up. Users are guided step-by-step to configure the system according to the application thanks to the advanced graphical interface. In fact, the OLED display allows to enter the heart of the system, recall configuration presets, adjust levels, EQ and create a pre/post gain mix for different purposes.

When used in Mono mode (as well as Double Column Mode), the system can be completed with DP-ES1203, a wooden pole which levels out the overall design resulting in an elegant, unobtrusive look which perfectly fits permanent installations.

The ES1203 bundle comes with sub cover, a bag for tops, a telescopic 35mm pole, 2 7m speakon cables and power cable.

TECHNICAL SPECIFICATIONS

GENERAL

Type:	Tri-amplified system (Mono/Stereo)
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ACOUSTIC DATA

Frequency response [-10dB]:	35 - 20000 Hz
Frequency response [-6dB]:	41 - 18000 Hz
Max SPL (1 m):	132 dB
MF-HF mid woofer:	4 x 4" (each TOP)
MF-HF voice coil:	25 mm
LF woofer:	2 x 12" (subwoofer)
LF voice coil:	64 mm
Crossover frequency:	160 Hz (24 dB/oct)
Directivity:	Asymmetrical vertical
Coverage (HxV):	97° x 60° (single top)

AMPLIFIER

Type:	DIGIPRO G4
Amplification class	Class D
Power connection	1 x VDE
RMS amplification power:	1200 W

OPERATING TEMPERATURE

Temperature Range (ambient):	-10 +50 °C
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PROCESSOR

Internal controller:	28/56 bit DSP
A/D D/A converter:	24 bit/48 kHz
Limiter:	Peak, RMS, Thermal

USER INTERFACE

Controls:	OLED display, push/rotary encoder
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INPUTS AND OUTPUTS

Inputs:	1 x Combo (XLR/Jack) MIC/INSTRUMENT, 2 x Combo (XLR/Jack) MIC/LINE
Built-in input:	1x Bluetooth®
Output:	1 x XLR output

POWER SUPPLY SPECIFICATIONS (CONSUMPTION / INSTALLATION)

Consumption at 1/8 of the power under normal operating conditions (*):	1.1 A (220 - 240 V~) - 2.2 A (100 - 120 V~)
Consumption at 1/3 of the power under maximum operating conditions (**):	2.1 A (220 - 240 V~) - 4.5 A (100 - 120 V~)
Consumption with speaker on and no signal (idle):	26 W
Inrush current:	9.15 A (230 V~)

* **NOTE FOR THE INSTALLER:** Values refer to 1/8 of the power under normal operating conditions (musical program with rare or no clipping). For any configuration type, we recommend considering them to be the minimum values for dimensioning.

** **NOTE FOR THE INSTALLER:** Values refer to 1/3 of the power under heavy operating conditions (musical program with frequent clipping and limiting). We recommend dimensioning according to these values for installations and professional tours.

DIMENSIONS

Material:	Wood (plywood)
Grille:	Metal, 1.5 mm thick, CNC machined
Handles:	3 (2 at the sides, 1 on top)
Pole mounting:	Yes, M20
Width:	360 mm (subwoofer) / 110 mm (top)
Height:	680 mm (subwoofer) / 460 mm (top)
Depth:	545 mm (subwoofer) / 160 mm (top)
Weight:	29.3 kg (subwoofer) / 3.3 kg (top)

Product features, specifications and appearance are subject to change without prior notice. dBTechnologies reserves the right to make changes or improvements in design or manufacturing without any obligation to change or improve previously manufactured products.



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