

Technical Data

Speaker Type: 3-amped Mono/Stereo system
Usable Bandwidth [-10 dB]: 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
MF-HF type: Neodymium
LF: 2 x 12" (subwoofer)
LF Voice Coil: 64 mm
Crossover frequency: 160 Hz (24 dB/oct)
Horizontal dispersion: 97°
Vertical dispersion: 60°

Amplifier

Amp Technology: DIGIPRO® G4
Amp Class: Class-D
RMS Power: 1200 W

Operating voltage:

220-240V~ (50-60 Hz) or 100-120V~ (50-60 Hz)



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complete User Manual

Processor and user interface

Controller: 28/56 bit - 48 kHz
Limiter: Peak, Thermal, RMS
Controls: OLED display, push rotary encoder

Input / Output

Mains connections: VDE
Signal Input: (Balanced/Unbalanced) 3 x Combo IN (1 MIC/INST, 2 MIC/LINE)
Media input: 1 x Bluetooth® built-in receiver
Signal Out: (Balanced) 1x XLR OUT (LINK)

Mechanics

Housing: Wooden boxes
Grille: Full metal grille
Pole Mount: Yes, 36 mm
Handles: 3 (subwoofer, 2 on sides 1 on top)
Width [sub/ 1 top]: 360 mm (14.17 in) / 110 mm (4.33 in)
Height [sub/1 top]: 680 mm (26.77 in) / 460 mm (18.11 in)
Depth [sub/1 top]: 545 mm (21.46 in) / 160 mm (6.30 in)
Weight [sub/1 top]: 29.3 kg (64.59 lbs) / 3.3 kg (7.27 lbs)

POWER SUPPLY SPECIFICATIONS (POWER ABSORPTION)

Draw at 1/8 of full power in average use conditions (*): 1.1 A (230 V) - 2.2 A (115 V)
Draw at 1/3 of full power in maximum use conditions (**): 2.1 A (230 V) - 4.5 A (115 V)
Power absorption with speaker turned on without signal (idle): 26 W

* INSTALLER NOTES: The values refer to 1/8 of full power, in average operating conditions (music program with infrequent or no clipping). It is recommended to consider them the minimum sizing values for any type of configuration.
** INSTALLER NOTES: The values refer to 1/3 of full power, in heavy operating conditions (music program with frequent clipping or activation of the limiter). We recommend sizing according to these values in case of professional installations and tours.

EMI CLASSIFICATION

According to the standards EN 55032 and 55035 this is a Class B equipment, designed and suitable to operate in residential environments.

FCC AND IC CERTIFICATION

FCC ID: 2ADDV-ES1203 (Bluetooth® transmitter)
IC ID: 12207A-ES1203 (Bluetooth® transmitter)

FCC CLASS B STATEMENT ACCORDING TO TITLE 47, PART 15, SUBPART B, §15.105

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps.

RED CERTIFICATION

Hereby, AEB Industriale SRL declares that ES1203 loudspeaker is compliance with Directive 2014/53/EU, in reference to the following harmonized standards:

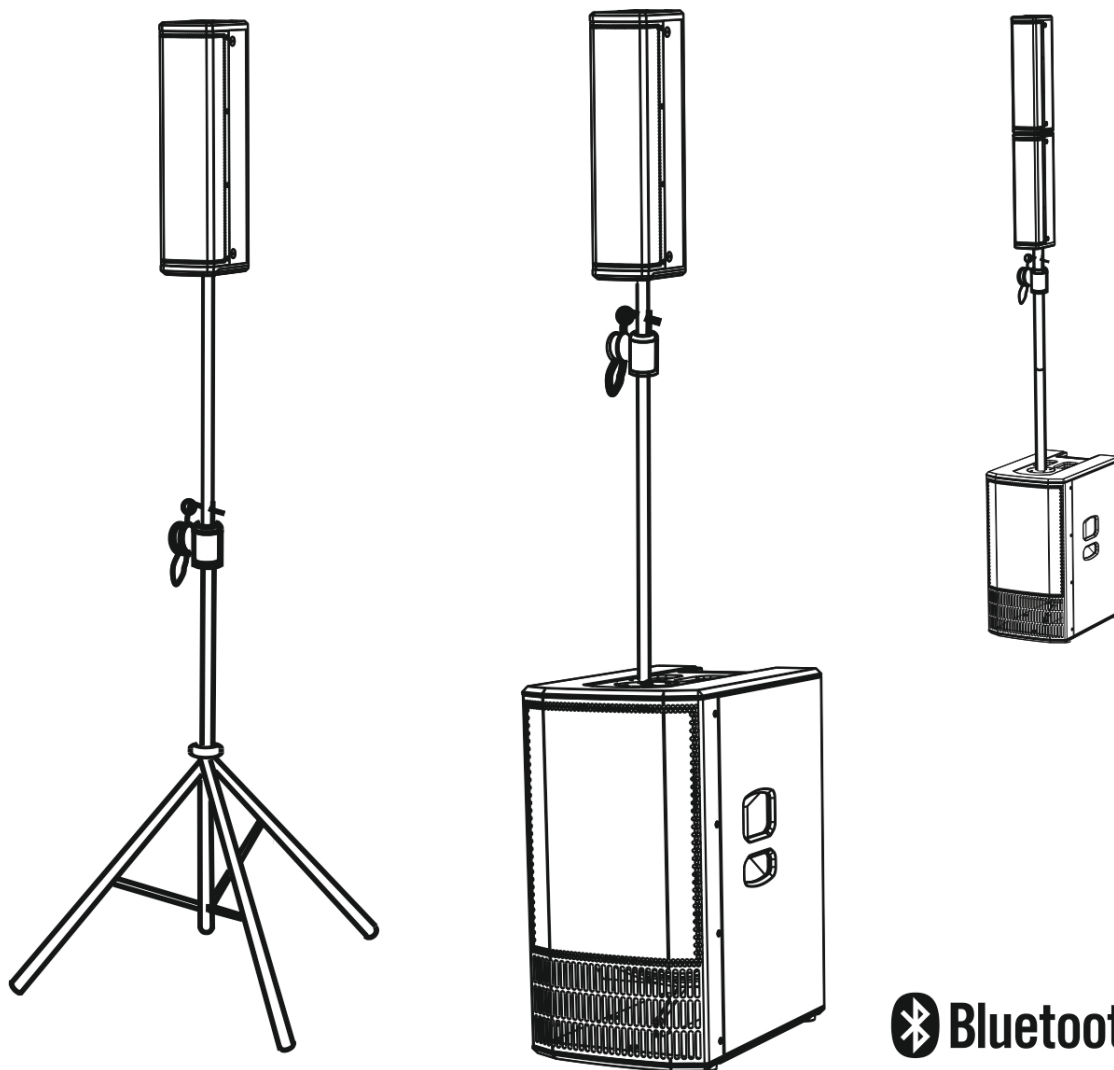
Health & Safety EN 62479 / EN 62368-1+A11
EMC EN 301 489-1 V2.2.3, EN 301 489-17 V3.3.1
Spectrum EN 300 328 V2.2.2

WARNING: Make sure that the loudspeaker is securely installed in a stable position to avoid any injuries or damages to persons or properties. For safety reasons do not place one loudspeaker on top of another without proper fastening systems. Before using the system check all the components for damages, deformations, missing or damaged parts that may compromise safety during installation. If you use the loudspeakers outdoor avoid spots exposed to bad weather conditions. Contact dB Technologies for accessories to be used with speakers. dBTechnologies will not accept any responsibility for damages caused by inappropriate accessories or additional devices.

Features, specification and appearance of products are subject to change without notice. dBTechnologies reserves the right to make changes or improvements in design or manufacturing without assuming any obligation to change or improve products previously manufactured.

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entertainment system 1203



Quick start user manual *Section 1*

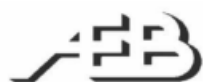
The warnings in this manual must be observed together with the "USER MANUAL - Section 2".

Le avvertenze nel presente manuale devono essere osservate congiuntamente al "MANUALE D'USO - Sezione 2".

Die Warnungen in diesem Handbuch müssen in Verbindung mit der "BEDIENUNGSANLEITUNG - Abschnitt 2" beobachtet werden".

Les avertissements spécifiés dans ce manuel doivent être respectés ainsi que les "CARACTERISTIQUES TECHNIQUES - Section 2".

Las advertencias del presente manual se deben tener en cuenta conjuntamente con las del "MANUAL DEL USUARIO" - Sección 2".



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Thank you for choosing a dBTechnologies Product!

The new ES1203 is the most powerful and versatile system in the ES series. It can be easily set up choosing among mono or stereo configurations, and it comes with one subwoofer (2 x 12" woofers) and two tops (4 x 4" mid-woofers each, with Logarithmic Curved Column Array technology). The new powerful class-D DIGIPRO® G4 amplifier (with PFC) can handle up to 1200 W RMS and the impressive I/O section allows connecting up to 4 inputs (considering the Bluetooth® connection). The user-friendly control interface with OLED display helps the user to tune precisely the system. Main carrying and cabling accessories are also included.

1) Unpacking

The box contains:

-No. 1 subwoofer ES1203SUB, with 3 handles [Y] (on the top and the two sides) and one M20 threaded hole [Z] on the top for pole-mounting (see picture 1).

-No. 2 tops ES1203TOPs, each of which has one side with [X] 36 mm hole for pole-mounting and one side with a locking system for the assembly of 2 tops (mono configuration). Each locking system has one rear safe lock [K] (picture 2).



CHECK THAT THE REAR SAFE LOCK [K] IS PUSHED (NOT RELEASED) BEFORE THE INSTALLATION

-No. 1 telescopic pole. It is composed of 2 screw-on pieces, it has to be mounted on the top side of the ES1203SUB ([Z] threaded hole) in mono configuration (picture 1).

-No. 3 audio cables, with speak-on connectors, two of which are 7 m (23 feet) long for stereo configuration, and one of which is 2.5 m (8.2 feet) long for mono configuration.

-No. 1 mains cable, with VDE connector.

-No. 1 transport cover for ES1203SUB

-No. 1 transport cover for 2 ES1203TOPs

-No. 4 cable clips

-No. 1 100-120V~ 50-60Hz fuse

-This quickstart and warranty documentation

WARNING

The speaker is supplied with a mounted fuse for operation within the 220-240V~ range. If you need to operate in the 110-120V~ voltage range:

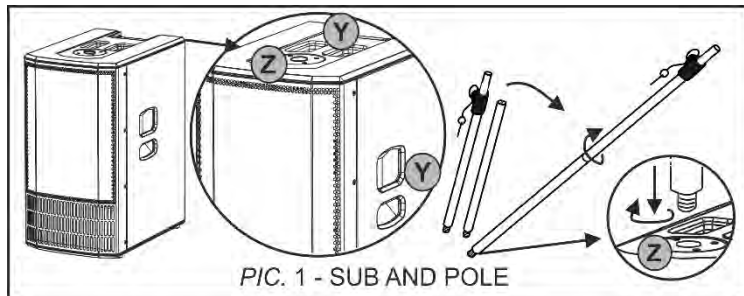
1. Disconnect all connections, including the power supply.
2. Wait for 5 minutes.
3. Replace the fuse with the one provided in the package for the 100-120V~ range

2) Mount your configuration

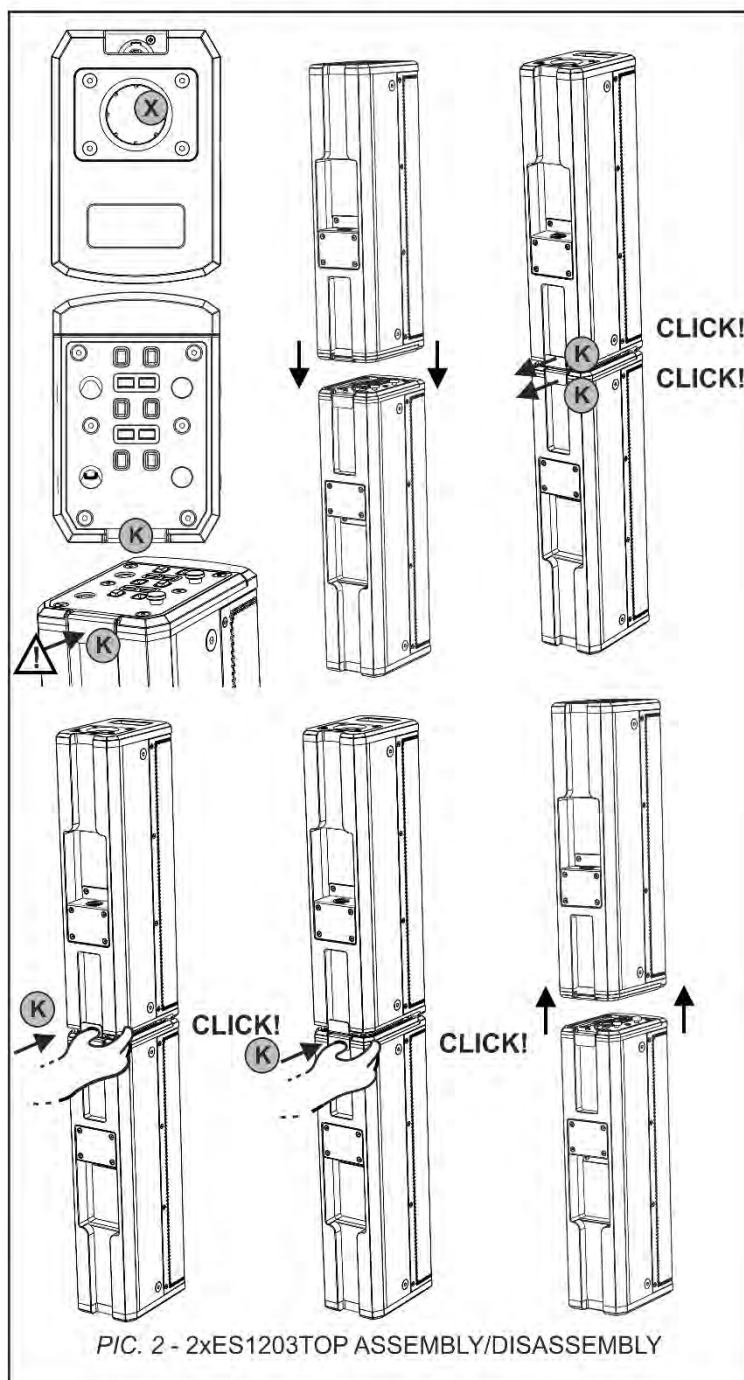
MONO: in mono configuration (see picture 3), you need to assemble 2 ES1203TOP units (see picture 2):

- Flip one of the two tops as illustrated.
- Align the two locking systems and press on the two tops until you can hear a "click" from the two rear safe locks [K]. Those locks are both released only once the system is correctly assembled.
- Assemble the telescopic pole (screwing the two pieces together), and screw it in the [Z] threaded hole of subwoofer with right-handed movement.
- Insert one of the two [X] holes of the assembled mono double-top in the telescopic pole and adjust the final height.

STEREO: in stereo configuration (see picture 3), you need two tripod stands (SK-36TT, pole diameter: 35 mm). Insert the [X] hole of one ES1203TOP on the first tripod stand, and repeat the same with the second one.



PIC. 1 - SUB AND POLE



PIC. 2 - 2xES1203TOP ASSEMBLY/DISASSEMBLY



NEVER USE THE HANDLES TO SUSPEND THE SYSTEM!

3) I/O and Control panel

In the rear side of ES1203SUB the user can find the control panel of the system (pictures 4, 5):

- 1 - MIC/INSTRUMENT INPUT (XLR or TRS connector)
- 2 - CH1 LINE/MIC INPUT (XLR or TRS connector)
- 3 - CH2 LINE/MIC INPUT (XLR or TRS connector)
- 4 - OLED DISPLAY
- 5 - FUNCTIONS CONTROL
(push rotary encoder → rotate: select, push: confirm)
- 6 - AUX/MIX OUTPUT (XLR connector)
- 7 - Peak LED
- 8 - SERVICE DATA (USB B-TYPE for firmware update)
- 9 - MONO/STEREO LEFT TOP OUTPUT
- 10 - STEREO RIGHT TOP OUTPUT
- 11 - VDE MAINS INPUT (FULL RANGE)
- 12 - ON/OFF POWER SWITCH
- 13 - MAINS FUSE

4) ES1203TOPs cabling

MONO:

- Link the mono double-top (see paragraph no. 2) to the MONO/STEREO LEFT TOP OUTPUT [9] using the supplied 2.5 m (8.2 feet) speak-on cable. Only one cable is needed, as shown in picture 3. Mount cable clips to the pole to organize the cabling.

STEREO:

- Link the two ES1203TOPs to the MONO/STEREO LEFT [9] and to the TOP OUTPUT STEREO (right) [10] respectively, using the two supplied 7 m (23 feet) speak-on cables, as shown in picture 3. Mount cable clips to the poles to organize the cabling.

5) Setup, turn on and I/O settings

- Connect the desired inputs (with proper cables and connectors), using [1], [2], [3] inputs, and, if necessary, enable Bluetooth® transmission in your device (for example .mp3 player).

- If needed, link the output [6] to the input of a second system, with a proper cable (XLR connectors).

- Insert the VDE connector of the supplied mains cable in MAINS INPUT [11], connect the plug to the power, and turn on the POWER switch [12].

- When the system is turned on, the OLED display [4] shows the Main Level screen ([S1] in picture 6). Adjust the main level and enter every single channel menu ([S2] in picture 6) for all the related settings, rotating and pushing the FUNCTIONS CONTROL [5]. If necessary, enter Bluetooth® page to enable this function.

- Enter the main MENU for a complete set-up, or jump to Mixer screens ([S3] and [S4]) by holding down the FUNCTIONS CONTROL [5] for at least 3 seconds (shortcut). In these pages you can control all the levels of the system using a simple mixing console.



- USE ONLY ES1203 SUPPLIED CABLES.
- WE PROVIDE A "SUPERUSER PASSWORD" IF THE INSERTED PASSWORD WILL BE LOST: Q2R5D9.
- MAKE SURE THAT THE SYSTEM IS SECURELY INSTALLED IN A STABLE POSITION TO AVOID ANY INJURIES OR DAMAGES TO PERSONS OR PROPERTIES.

Check the complete user manual on www.dbtechnologies.com for further information about the system and available accessories.

