

dB Technologies ES 1203

dB Technologies ES 1203 User Manual

Model: ES 1203

INTRODUCTION

The dB Technologies ES 1203 is a high-performance, 3-amp stereo sound system designed for professional audio applications. It comprises two passive wooden satellite tops and an active wooden subwoofer, delivering a powerful and coherent sound experience. This manual provides essential information for the safe and efficient operation of your ES 1203 system, covering setup, operation, maintenance, and troubleshooting.

Please read this manual thoroughly before operating the system and retain it for future reference.

SAFETY INFORMATION

Always observe the following safety precautions to prevent electric shock, fire, or injury:

- **Power Supply:** Connect the unit only to a power supply of the type specified in this manual and on the unit itself. Ensure the power cord is not damaged or pinched.
- **Grounding:** The unit must be properly grounded to prevent electric shock.
- **Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Heat:** Do not place the unit near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the system on a stable, level surface. Ensure the pole and stand are securely assembled and stable to prevent tipping.
- **Cables:** Route all cables carefully to avoid tripping hazards.

PACKAGE CONTENTS

The ES 1203 package includes the following components:

- 1 x ES 1203 Active Subwoofer
- 2 x Passive Satellite Tops
- 1 x Subwoofer Cover
- 1 x Bag for Satellite Tops
- 1 x 35mm Telescopic Pole
- 2 x 7m Speaker Cables
- 1 x Power Cable
- User Manual (this document)

Note: Speaker stands are not included in the package.

SETUP

Follow these steps for the initial setup of your ES 1203 system:

1. **Unpacking:** Carefully remove all components from their packaging. Inspect for any signs of damage during transit.
2. **Subwoofer Placement:** Place the active subwoofer on a stable, level surface. Ensure there is adequate space around it for ventilation.



Figure 1: ES 1203 Subwoofer Interior. This image shows the robust internal structure of the subwoofer, highlighting the two 12-inch woofers responsible for powerful bass reproduction.

3. Satellite Assembly:

- Insert the 35mm telescopic pole into the pole mount on top of the subwoofer. Secure it firmly.
- Attach one passive satellite top to the top of the telescopic pole.





Figure 2: Assembled ES 1203 System. This image illustrates the compact and vertical assembly of the ES 1203, with the satellite tops neatly stacked on the subwoofer using the provided pole.

- For the second satellite top, you can either stack it on top of the first satellite (for a single column configuration) or use an external speaker stand (not included) for a stereo setup.

4. **Connecting Satellites:** Use the provided 7m speaker cables to connect the satellite tops to the subwoofer. The subwoofer has dedicated outputs for the satellites.



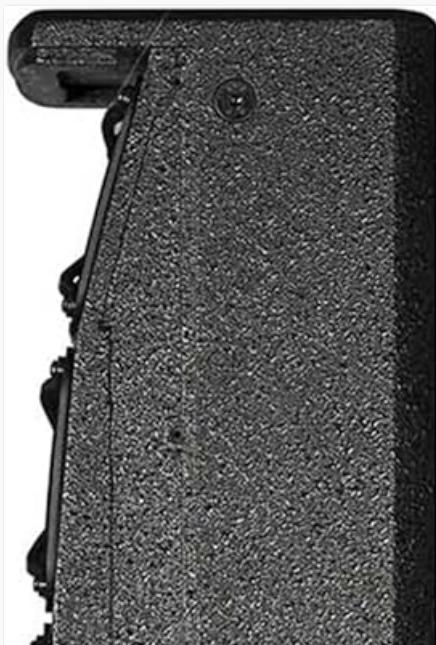


Figure 3: Satellite Connection Detail. This close-up shows how the satellite top connects to the telescopic pole, ensuring a secure and stable setup for the column array.





Figure 4: Satellite Column Array. This image provides a clear view of the four 4-inch mid-woofers within each satellite, arranged in a logarithmic curved column array for optimized sound dispersion.



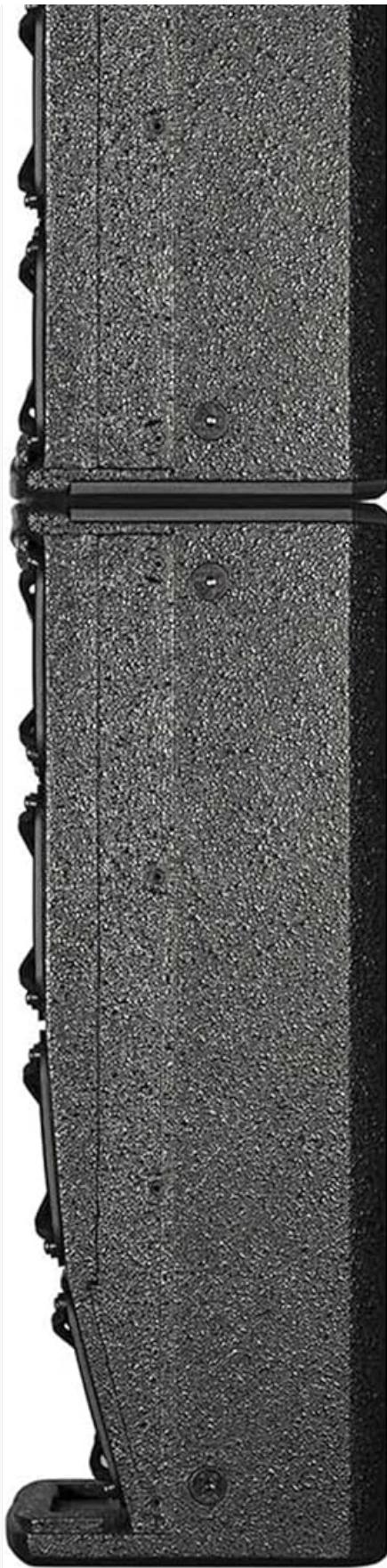


Figure 5: Satellite Side Profile. This view emphasizes the sleek and compact design of the satellite top, showcasing its robust wooden construction.

5. **Power Connection:** Connect the power cable to the subwoofer and then to a suitable power outlet.
6. **Input Sources:** Connect your audio sources (mixer, instrument, microphone, Bluetooth device) to the input channels on the subwoofer's control panel.
7. **Initial Power On:** Power on the system. The OLED display on the subwoofer will guide you through the

initial setup and configuration.



Figure 6: Full ES 1203 System Setup. This image displays the complete ES 1203 system, showing both the compact stacked configuration and the option for a wider stereo setup with an additional speaker stand.

OPERATING INSTRUCTIONS

The ES 1203 features an intuitive user interface and powerful DSP for versatile operation.

Control Panel Overview



Figure 7: Subwoofer Control Panel. This detailed view of the control panel on the subwoofer highlights the OLED display, input channels, and the rotary encoder for system adjustments.

The control panel, located on the top of the subwoofer, features an OLED display and a rotary encoder for navigation and adjustments. It provides access to the integrated 5-channel digital mixer and system settings.

DSP Functions and Configuration Modes

The powerful DSP allows users to optimize the system for various environments and applications:

- **Configuration Modes:**

- **Mono:** For single-point sound reinforcement.
- **Stereo:** For wider soundstage, typically using two satellite tops spread apart.
- **Dual Column:** For extended vertical coverage, stacking both satellites on one pole.

- **Directivity Modes:**

- **Far:** Optimized for longer throw distances.
- **Near:** Optimized for closer audience proximity.

- **Digital Mixer:** Adjust levels, EQ, and create pre/post gain mixes for different purposes.
- **Presets:** Recall saved configuration presets for quick setup.

Navigate through the menus using the rotary encoder and confirm selections by pressing it.

Bluetooth Connectivity

The integrated Bluetooth module allows wireless audio streaming:

1. Activate Bluetooth on your mobile device.
2. Select "ES 1203" from the list of available devices.
3. Once paired, audio from your device will stream to the system on a dedicated stereo channel.

AUX/MIX Output

The balanced AUX/MIX output provides flexibility:

- **Direct Link:** Use as a direct output for connecting to another sound system.
- **Aux Output:** Connect to a stage monitor or another speaker.
- **Dual Column Mode:** When in Dual Column mode, this output acts as a source for another ES 1203 system, providing either the left or right signal for a larger setup.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your ES 1203 system:

- **Cleaning:**

- Disconnect the power before cleaning.
- Use a soft, dry cloth to wipe down the exterior surfaces.
- Do not use abrasive cleaners, waxes, or solvents.

- **Storage:**

- Store the system in a cool, dry place, away from direct sunlight and extreme temperatures.
- Use the provided subwoofer cover and satellite bag for protection during transport and storage.

- **Inspection:** Periodically check cables for wear or damage. Ensure all connections are secure.

- **Professional Servicing:** If the system requires repair, always contact qualified service personnel. Do not attempt to open or repair the unit yourself.

TROUBLESHOOTING

If you encounter issues with your ES 1203 system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Power cable disconnected; Power outlet faulty; System fuse blown.	Check power cable connection; Try a different outlet; Contact service for fuse replacement.
No Sound from Satellites	Speaker cables disconnected/damaged; Satellite output level too low; DSP configuration error.	Ensure speaker cables are securely connected; Check satellite output levels on DSP; Verify DSP configuration (e.g., Mono/Stereo mode).
No Sound from Subwoofer	Subwoofer level too low; Input signal issue; DSP configuration error.	Increase subwoofer level; Check input source and cables; Verify DSP settings.
Bluetooth Pairing Failure	Bluetooth not enabled on device; Device too far; Interference.	Ensure Bluetooth is on and discoverable; Move device closer; Restart both devices.
Distorted Sound	Input signal too high (clipping); Volume levels too high; Damaged speaker.	Reduce input gain; Lower system volume; If distortion persists, contact service.

If the problem persists after trying these solutions, please contact dB Technologies customer support or an authorized service center.

SPECIFICATIONS

Feature	Detail
Speaker Type	3-amp Stereo System with 2 Full-Range Tops and 1 Subwoofer
Amplifier Type	Digipro G4
Output Power (Peak)	2400 Watts
Subwoofer Drivers	2 x 12-inch Woofers
Satellite Drivers	4 x 4-inch Mid-Woofers per satellite
DSP	Integrated, with 5-channel digital mixer, 3 configuration modes (Mono, Stereo, Dual Column), 2 directivity modes (Far, Near)
Connectivity	Bluetooth, Aux Input, AUX/MIX Output
Enclosure Material	Wood (Plywood)
Color	Black

Feature	Detail
Mounting Type	Pole Mount
Power Source	Corded Electric
Product Dimensions (Subwoofer)	360 mm (W) x 680 mm (H) x 545 mm (D)
Product Dimensions (Satellite Top)	110 mm (W) x 460 mm (H) x 160 mm (D)
Weight (Subwoofer)	29.3 Kg (64.59 lbs)
Weight (Satellite Top)	3.3 Kg
Recommended Uses	Professional audio playback, Live performances, Events, Installations

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official dB Technologies website or contact your authorized dealer.

Keep your proof of purchase for warranty claims. Do not attempt to repair the unit yourself, as this may void your warranty.

For the most up-to-date information, product registration, and additional resources, visit:

www.dbtechnologies.com