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LD Systems LDS-DAVE15G4X

LD Systems DAVE 15 G4X PA System User Manual

Model: LDS-DAVE15G4X

1. INTRODUCTION

The LD Systems DAVE 15 G4X is a powered compact PA system designed for various live sound applications, including DJs, live bands, and solo entertainers. This system comprises a 15-inch subwoofer and two 8-inch satellites, delivering a total peak power of 2060 Watts. It features an integrated 6-channel mixer, versatile input options, Bluetooth connectivity, and advanced DSP technology for clear and powerful sound reproduction.

This manual provides essential information for the safe and efficient setup, operation, and maintenance of your DAVE 15 G4X PA system. Please read it thoroughly before initial use and keep it for future reference.



Figure 1: Overview of the LD Systems DAVE 15 G4X PA System components.

2. SAFETY INSTRUCTIONS

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

- Ensure the power supply voltage matches the rating on the unit.
- Do not expose the unit to rain or moisture.
- Do not open the casing; refer all servicing to qualified personnel.
- Place the unit on a stable, level surface.
- Ensure adequate ventilation around the unit.
- Avoid placing objects on top of the unit.
- Disconnect power before cleaning or moving the unit.

3. SETUP

Proper setup is crucial for optimal performance and safety. Follow these steps to assemble your DAVE 15 G4X system:

3.1 Unpacking and Placement

- Carefully unpack all components: one 15-inch subwoofer and two 8-inch satellite speakers.
- Place the subwoofer on a stable, flat surface.
- Position the satellite speakers. They can be placed on speaker stands (not included) or mounted on a T-stand above the subwoofer (accessories sold separately).



Figure 2: Example of a stereo setup with one satellite speaker mounted on a pole above the subwoofer. Speaker pole not included.

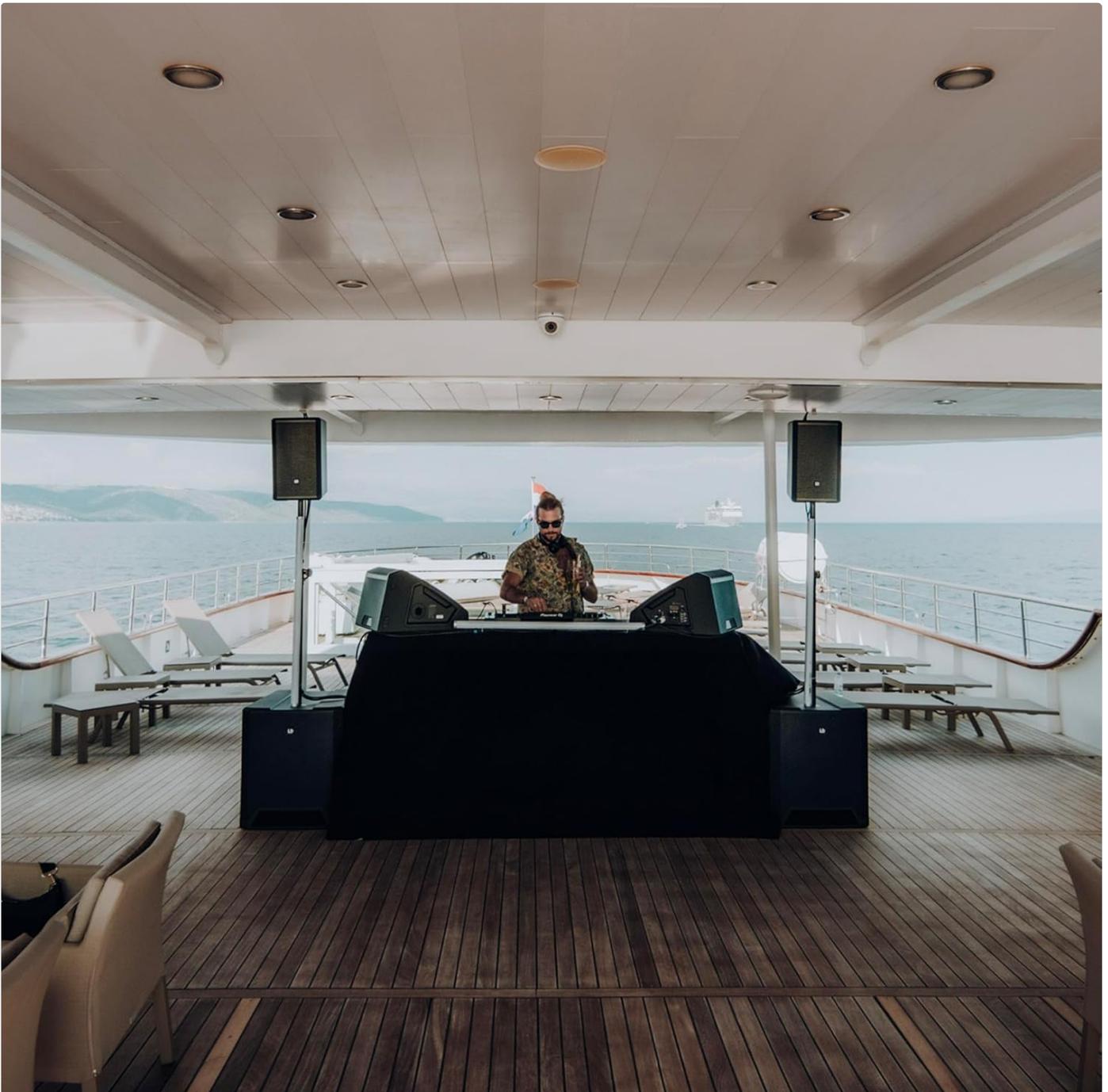


Figure 3: Example of a stereo setup with both satellite speakers on separate poles. Speaker poles not included.



Figure 4: Example of a cluster mode setup with both satellite speakers mounted on a T-stand above the subwoofer. Speaker pole not included.

3.2 Connecting the Speakers

- Connect the two satellite speakers to the "SAT LEFT" and "SAT RIGHT" outputs on the rear panel of the subwoofer using appropriate speaker cables.

- Ensure secure connections.



Figure 5: Rear panel connections of the DAVE 15 G4X subwoofer, including power input, satellite outputs, and various audio inputs.

3.3 Power Connection

- Connect the supplied power cable to the "POWER INPUT" on the subwoofer's rear panel.
- Plug the other end into a suitable AC power outlet.
- Ensure the power switch is in the "OFF" position before connecting to power.

4. OPERATING THE MIXER

The DAVE 15 G4X features an integrated 6-channel mixer for connecting various audio sources. Familiarize yourself with the control panel:



Figure 6: Detailed view of the DAVE 15 G4X mixer control panel, showing input controls, EQ, reverb, and mode selection.

4.1 Input Channels 1 & 2 (Mono)

- **Input Type Selection:** Use the "SELECT" button to toggle between Microphone (MIC), High-Impedance Instrument (HI-Z), or Line-level (LINE) input.
- **Gain Control:** Adjust the "HIGH" knob for input sensitivity.
- **2-Band EQ:** Use the "LOW" and "HIGH" knobs to adjust bass and treble frequencies for each channel.
- **Reverb:** Select one of three reverb presets (SMALL, LARGE, PLATE) and adjust the "REVERB" knob for the desired effect level.

4.2 Input Channels 3 & 4 (Stereo Line)

- These inputs are designed for stereo line-level sources such as keyboards, synthesizers, or drum machines.
- Adjust the "INPUT 3/4" knob for the overall volume of these channels.

4.3 Input Channels 5 & 6 (Digital/Bluetooth)

- **SPDIF Input:** Connect a digital audio source via the SPDIF TOSLINK input on the rear panel.
- **Bluetooth Pairing:** Press and hold the "HOLD TO LINK" button to activate Bluetooth pairing mode. Search for "LD Systems DAVE 15 G4X" on your device and connect.
- **Source Selection:** Use the "SOURCE" button to switch between SPDIF and Bluetooth inputs.
- Adjust the "INPUT 5/6" knob for the overall volume of these channels.

4.4 Master Controls

- **MAIN Volume:** The large "MAIN" knob controls the overall output volume of the system.
- **SUB Volume:** Adjust the "SUB" knob to control the volume level of the subwoofer.
- **HIGH Volume:** Adjust the "HIGH" knob to control the volume level of the satellite speakers.
- **Mode Presets:** Use the "SELECT" button under "MODE" to choose between different setup presets (e.g., Stereo, Cluster Mode) for optimized sound dispersion.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your DAVE 15 G4X PA system.

- **Cleaning:** Use a soft, dry cloth to wipe down the surfaces. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Avoid abrasive cleaners or solvents, as they may damage the polyurea coating.
- **Ventilation:** Ensure that all ventilation openings remain clear of dust and debris to prevent overheating.
- **Storage:** When not in use for extended periods, store the system in a dry, dust-free environment. Consider using protective covers or bags (accessories sold separately) to prevent damage.
- **Cable Management:** Regularly check all cables for signs of wear or damage. Replace any damaged cables immediately.

6. TROUBLESHOOTING

If you encounter issues with your DAVE 15 G4X system, refer to the following common problems and solutions:

6.1 No Sound Output

- **Check Power:** Ensure the system is powered on and the power cable is securely connected. Verify the "POWER" indicator light is illuminated.
- **Volume Levels:** Confirm that the "MAIN," "SUB," and "HIGH" volume knobs are turned up. Check individual channel gain controls.
- **Input Selection:** Ensure the correct input source is selected for the active channel (e.g., MIC, HI-Z, LINE, SPDIF, Bluetooth).
- **Cable Connections:** Verify all audio cables (input sources, satellite speakers) are correctly and securely connected.
- **Source Device:** Check if your audio source device (microphone, instrument, media player) is functioning correctly and outputting sound.

6.2 Distorted or Unclear Sound

- **Input Gain:** Reduce the input gain for the affected channel if the "SIGNAL" or "LIMIT" indicator lights are constantly red.
- **Master Volume:** Lower the "MAIN" volume if the overall sound is distorted.
- **EQ Settings:** Adjust the EQ (LOW, HIGH) settings on individual channels to improve clarity.

- **Cable Quality:** Ensure you are using high-quality, shielded audio cables.

6.3 Bluetooth Connection Issues

- **Pairing Mode:** Ensure the DAVE 15 G4X is in Bluetooth pairing mode (press and hold "HOLD TO LINK").
- **Device Visibility:** Make sure Bluetooth is enabled on your source device and it is discoverable.
- **Distance:** Keep your Bluetooth device within the effective range of the PA system.
- **Interference:** Move away from other wireless devices that might cause interference.
- **Forget Device:** If previously paired, try "forgetting" the DAVE 15 G4X on your device and re-pairing.

7. SPECIFICATIONS

Detailed technical specifications for the LD Systems DAVE 15 G4X PA System:

Feature	Specification
Model Name	LDS-DAVE15G4X
Speaker Type	Powered 2.1 PA System
Subwoofer Size	15 inches
Satellite Speaker Size	2 x 8 inches
Peak Output Power	2060 Watts
Mixer Channels	6-Channel Integrated Mixer
Connectivity Technology	Bluetooth, SPDIF TOSLINK, XLR, 1/4" Jack, RCA
Mounting Type	Floor Standing (Subwoofer), Pole Mount (Satellites)
Product Dimensions (Subwoofer)	20"D x 19"W x 21"H (approximate)
Item Weight	119 pounds (total system approximate)
Included Components	LDDAVE15G4X (Subwoofer, 2 Satellites, Power Cable)
DSP Technology	DynX DSP (Gen.2), FIR Filters
Cabinet Material	Durable Polyurea Coating

8. WARRANTY INFORMATION

Warranty terms and conditions for the LD Systems DAVE 15 G4X PA System are typically provided with your purchase documentation or can be found on the official LD Systems website. Please retain your proof of purchase for any warranty claims.

For detailed warranty information, please visit the [LD Systems official website](#) or contact your authorized dealer.

9. CUSTOMER SUPPORT

Should you require technical assistance, service, or have questions regarding your LD Systems DAVE 15 G4X PA System, please contact LD Systems customer support or your local authorized dealer.

For further support and resources, please visit the [LD Systems official website](#).