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LD Systems ANNY 10 BPH 2 Portable PA System User Manual

Model: **ANNY 10 BPH 2**

Manufacturer: LD Systems

1. INTRODUCTION

The LD Systems ANNY 10 BPH 2 is a portable, battery-powered PA system designed for versatile audio applications. It features a 10-inch woofer, 1-inch tweeter, integrated 6-channel mixer, Bluetooth 5.0 connectivity, and includes two headset microphones with bodypack transmitters. This manual provides essential information for the safe and efficient operation of your ANNY 10 BPH 2 system.

Key features include:

- Integrated 6-channel mixer with 3-band EQ, reverb, and delay effects.
- Long battery life: up to 25 hours in ECO mode, 5 hours at maximum volume.
- Two headset microphones with bodypack transmitters (B47 470-490 MHz frequency band).
- Bluetooth 5.0 with AAC codec for wireless audio streaming.
- True Wireless Stereo (TWS) functionality for linking two ANNY 10 units.
- DynX® DSP (Gen. 2) for clear, distortion-free sound.
- Versatile inputs: 2x microphone/line combo, 1x stereo (3.5mm jack/RCA).
- Priority/ducking mode for microphone announcements.
- Integrated wheels and telescopic handle for easy transport.
- USB-C port for charging external devices and integrated tablet/smartphone holder.
- Footswitch input for hands-free effect control.

2. SAFETY INSTRUCTIONS

Please read and follow all safety instructions to prevent damage to the device or personal injury. Keep this manual for future reference.

- **Power Source:** Only use the specified power adapter and ensure the voltage matches the device

requirements.

- **Batteries:** Use only the specified battery types for bodypacks (AA) and ensure correct polarity. Do not expose batteries to excessive heat or direct sunlight.
- **Water and Moisture:** Do not expose the device to rain, moisture, or liquids. Do not place objects filled with liquids on the device.
- **Heat:** Keep the device away from heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- **Ventilation:** Ensure adequate ventilation. Do not block any ventilation openings.
- **Cleaning:** Disconnect the device from the power supply before cleaning. Use a dry, soft cloth. Do not use liquid cleaners or aerosols.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the device on a stable, level surface. Avoid placing it in locations where it could fall or be knocked over.
- **Hearing Protection:** Prolonged exposure to high volume levels can cause permanent hearing damage. Adjust volume to a comfortable level.
- **Radio Frequency:** The wireless microphones operate within specific frequency bands. Ensure compliance with local regulations for wireless device usage.

3. PACKAGE CONTENTS

Carefully unpack your ANNY 10 BPH 2 system and verify that all items are present and in good condition:

- 1x ANNY 10 Portable PA System
- 2x Wireless Receiver Modules (integrated)
- 2x Bodypack Transmitters
- 2x Headset Microphones
- AA Batteries (for bodypacks)
- Power Cable
- User Manual (this document)

4. PRODUCT OVERVIEW

Familiarize yourself with the main components and controls of your ANNY 10 BPH 2 system.

4.1 Front and Rear Panels



Figure 1: Front view of the ANNY 10 PA system, showing the speaker grille and LD logo.

The front panel features the main speaker grille, protecting the 10-inch woofer and 1-inch tweeter.



Figure 2: Rear view of the ANNY 10 PA system, displaying the comprehensive control panel with various inputs, outputs, and adjustment knobs.

The rear panel houses the integrated 6-channel mixer, input/output connections, wireless receiver modules, and power controls.

4.2 Transport Features



Figure 3: The ANNY 10 PA system with its telescopic handle fully extended and wheels visible, ready for transport.

The ANNY 10 is equipped with integrated wheels and a telescopic handle, allowing it to be easily pulled like a trolley. Two sturdy handles are also provided for lifting.

4.3 Wireless Components



Figure 4: The complete ANNY 10 BPH 2 system, including the main PA unit, two headset microphones, and two bodypack transmitters.

The BPH 2 variant includes two headset microphones and two bodypack transmitters, which wirelessly connect to the integrated receivers on the ANNY 10 unit.

5. SETUP

5.1 Initial Power-Up and Charging

1. Connect the supplied power cable to the ANNY 10's power input and a suitable AC outlet.
2. The internal battery will begin charging. A full charge is recommended before first use for optimal battery life.
3. The ANNY 10 can be operated while charging.

5.2 Headset Microphone and Bodypack Setup

1. Open the battery compartment of each bodypack transmitter.
2. Insert the included AA batteries, observing correct polarity.
3. Connect the headset microphone to the bodypack transmitter's input.
4. Power on the bodypack transmitter. The integrated receiver modules on the ANNY 10's rear panel will automatically detect and pair with the transmitters.
5. Adjust the volume for each wireless microphone using the dedicated controls on the ANNY 10's rear panel.

5.3 Connecting Audio Sources

- **Microphone/Line Inputs (Channels 1 & 2):** Use XLR or 1/4-inch TRS cables to connect wired microphones or line-level instruments/devices. Adjust input gain as needed.
- **Stereo Input (Channel 3/4):** Connect devices like smartphones, laptops, or media players using a 3.5mm stereo jack or RCA cables.
- **Bluetooth Pairing:**
 - a. Activate Bluetooth on your source device (e.g., smartphone, tablet).
 - b. On the ANNY 10, select the Bluetooth input. The display will indicate pairing mode.
 - c. Search for "ANNY 10" in your device's Bluetooth settings and select it to pair.
 - d. Once paired, audio from your device will stream wirelessly to the ANNY 10.

5.4 True Wireless Stereo (TWS) Setup

To link two ANNY 10 units for stereo sound:

1. Ensure both ANNY 10 units are powered on and not currently paired with any Bluetooth device.
2. On one ANNY 10 (this will be the master unit), activate TWS pairing mode (refer to the unit's display or specific button if available).
3. On the second ANNY 10 (slave unit), activate TWS pairing mode.
4. The units will automatically connect. Once connected, pair your Bluetooth source device to the master ANNY 10.
5. Audio will now play in stereo across both units.

6. OPERATING INSTRUCTIONS

6.1 Mixer Controls

The ANNY 10 features an intuitive 6-channel mixer on its rear panel:

- **Input Gain:** Adjust the input sensitivity for each channel (Mic/Line 1, Mic/Line 2, Stereo 3/4, Wireless 1, Wireless 2, Bluetooth).
- **3-Band EQ:** Use the HIGH, MID, and LOW controls to shape the tone of your overall mix.
- **Reverb & Delay:** Apply spatial effects to your audio. Adjust the effect level for individual channels and the overall effect send.
- **Master Volume:** Controls the overall output level of the PA system.

6.2 Application Presets

The ANNY 10 offers 5 DSP presets to optimize sound for different scenarios:

- **MUSIC:** Optimized for general music playback, providing a balanced and full sound.
- **LIVE:** Suitable for live performances, enhancing vocal and instrument clarity.
- **VOCAL:** Specifically tuned to make vocals stand out, ideal for speeches or singing.

- **ECO:** Energy-saving mode, extending battery life for background music or voice-only applications (up to 25 hours).
- **FLAT:** Provides a neutral frequency response, useful for precise sound engineering or when using external processors.

Select the desired preset via the dedicated button or menu option on the control panel.

6.3 Priority Function (Ducking)

The "Priority" function automatically attenuates background music when a selected microphone input is active. This ensures clear announcements.

1. Access the priority settings on the ANNY 10's control panel.
2. Select the microphone input(s) you wish to prioritize.
3. When audio is detected on the prioritized microphone, other audio sources will be automatically lowered.

6.4 Footswitch Control

Connect an external footswitch (not included) to the footswitch input to toggle reverb and delay effects hands-free during performances.

6.5 USB-C Charging Port

An integrated USB-C port is available on the rear panel for charging smartphones or tablets. Place your device in the integrated holder for convenience.

7. MAINTENANCE

7.1 Cleaning

- Always disconnect the ANNY 10 from the power supply before cleaning.
- Use a soft, dry, lint-free cloth to wipe down the exterior surfaces.
- For stubborn dirt, a slightly damp cloth with mild soap can be used, followed by a dry cloth.
- Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the finish.
- Keep the speaker grille free of dust and debris. Use a soft brush or vacuum cleaner with a brush attachment if necessary.

7.2 Battery Care

- For the main ANNY 10 unit, fully charge the internal battery regularly, especially if storing the unit for extended periods.
- If the unit will not be used for a long time, store it with a partial charge (around 50%) in a cool, dry place.
- For the bodypack transmitters, remove AA batteries if they will not be used for an extended period to prevent leakage.
- Replace bodypack batteries promptly when the low battery indicator appears.

7.3 Storage

When not in use, store the ANNY 10 BPH 2 system in a dry, dust-free environment, away from extreme temperatures and direct sunlight. Consider using an optional transport bag for added protection.

8. TROUBLESHOOTING

If you encounter issues with your ANNY 10 BPH 2 system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none"> • Power not connected or unit off. • Master volume too low. • Input gain too low for selected channel. • Incorrect input selected. • Source device volume too low or muted. • Cables faulty or incorrectly connected. 	<ul style="list-style-type: none"> • Ensure unit is powered on and charged. • Increase master volume. • Increase input gain for the active channel. • Verify correct input is selected on the mixer. • Check volume and mute settings on your source device. • Test with different cables or ensure connections are secure.
Wireless microphone not working	<ul style="list-style-type: none"> • Bodypack batteries low or dead. • Bodypack not powered on. • Headset not connected to bodypack. • Receiver module volume too low. • Interference. 	<ul style="list-style-type: none"> • Replace AA batteries in bodypack. • Ensure bodypack is powered on. • Verify headset is securely connected. • Increase volume for the wireless receiver channel. • Move away from other wireless devices or sources of interference.
Bluetooth pairing issues	<ul style="list-style-type: none"> • ANNY 10 not in pairing mode. • Source device Bluetooth off. • Too far from ANNY 10. • Previously paired with another device. 	<ul style="list-style-type: none"> • Ensure ANNY 10 is in Bluetooth pairing mode. • Activate Bluetooth on your source device. • Move source device closer to ANNY 10. • Disconnect from other devices or forget "ANNY 10" on your device and re-pair.
Distorted sound	<ul style="list-style-type: none"> • Input gain too high. • Master volume too high. • Source audio is distorted. 	<ul style="list-style-type: none"> • Reduce input gain for the affected channel. • Lower master volume. • Check the audio quality from your source device.

9. SPECIFICATIONS

Feature	Detail
Model	ANNY 10 BPH 2
Item Model Number	LDS-ANNY10BPH2B47US

Feature	Detail
Manufacturer	LD Systems
Product Dimensions (L x W x H)	12 x 14 x 22 inches
Item Weight	53 pounds
Speaker Configuration	10-inch Woofer, 1-inch Tweeter
Mixer Channels	6
Wireless Microphones	2x Headset Microphones with Bodypack Transmitters
Wireless Frequency Band	B47 (470-490 MHz)
Bluetooth Version	5.0 (with AAC codec)
Battery Life (Main Unit)	Up to 25 hours (ECO mode), 5 hours (max. volume)
Bodypack Batteries	AA batteries (included)
USB-C Port	For charging external devices
Mounting Type	Tabletop, Speaker Stand (35mm pole mount)
Compatible Devices	Headset, various audio sources via inputs

10. WARRANTY AND SUPPORT

10.1 Warranty Information

LD Systems products are designed for reliability and performance. This product is covered by a manufacturer's warranty against defects in materials and workmanship. Specific warranty terms and duration may vary by region and retailer. Please retain your proof of purchase for warranty claims.

For detailed warranty information, please refer to the warranty card included with your product or visit the official LD Systems website.

10.2 Customer Support

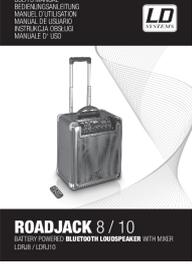
Should you require technical assistance, troubleshooting, or have questions regarding your ANNY 10 BPH 2 system, please contact LD Systems customer support or your authorized dealer.

You can typically find support contact information on the official LD Systems website: www.ld-systems.com

When contacting support, please have your product model number (ANNY 10 BPH 2) and serial number ready.



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 <p>ANNY 8 8 CHANNEL BATTERY-POWERED BLUETOOTH PA LOUDSPEAKER LEARN MORE: LD.COM/ANNY8</p>	<p>LD Systems ANNY 8 Portable Battery-Powered Bluetooth PA Loudspeaker User Manual</p> <p>Comprehensive user manual for the LD Systems ANNY 8 portable battery-powered Bluetooth PA loudspeaker. Provides detailed information on setup, operation, safety, maintenance, and technical specifications for professional event technology use.</p>
 <p>ANNY 8 8 CHANNEL BATTERY-POWERED BLUETOOTH PA LOUDSPEAKER LEARN MORE: LD.COM/ANNY8</p>	<p>LD Systems ANNY 8 Portable PA Loudspeaker User Manual</p> <p>Comprehensive user manual for the LD Systems ANNY 8 portable battery-powered Bluetooth PA loudspeaker. Covers features, operation, safety instructions, technical data, and more.</p>
 <p>ROADJACK 8 / 10 BATTERY-POWERED BLUETOOTH LOUDSPEAKER WITH MIXER LEARN MORE: LD.COM/RJ</p>	<p>LD Systems ROADJACK 8 / 10 User Manual: Battery-Powered Bluetooth Loudspeaker with Mixer</p> <p>Comprehensive user manual for the LD Systems ROADJACK 8 / 10 battery-powered Bluetooth loudspeaker with mixer. Learn about setup, operation, features, and safety.</p>
 <p>PRE ST 1 4-CHANNEL STEREO MIXER PREAMPLIFIER LEARN MORE: LD.COM/ST1</p>	<p>LD Systems PRE ST 1 4-Channel Stereo Mixer Preamplifier User Manual</p> <p>This user manual provides comprehensive guidance for the LD Systems PRE ST 1, a 4-channel stereo mixer preamplifier designed for professional audio installations. It details intended use, safety precautions, connections, controls, features, technical specifications, and maintenance.</p>
 <p>VIBZ 8 8-CHANNEL MIXING CONSOLE WITH DFX AND COMPRESSOR LEARN MORE: LD.COM/VIBZ8</p>	<p>LD Systems VIBZ 8 DC 8-Channel Mixing Console User Manual</p> <p>User manual for the LD Systems VIBZ 8 DC, an 8-channel mixing console with DFX and compressor. Features high-quality preamplifiers, versatile connectivity, and intuitive controls for live sound, home recording, and installations.</p>
 <p>VIBZ 6 6-CHANNEL MIXING CONSOLE LEARN MORE: LD.COM/VIBZ6</p>	<p>LD Systems VIBZ 6 & VIBZ 6 D 6-Channel Mixing Consoles User Manual</p> <p>User manual for LD Systems VIBZ 6 and VIBZ 6 D 6-channel mixing consoles. Provides detailed information on features, operation, connections, controls, specifications, and safety guidelines for musicians and audio professionals.</p>