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Shure UA844+SWB/LC

Shure UA844+SWB/LC Five-way Active Antenna Splitter & Power Distribution System User Manual

Model: UA844+SWB/LC | Brand: Shure

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Shure UA844+SWB/LC Five-way Active Antenna Splitter and Power Distribution System. This system is designed to enhance the performance of QLX-D, ULX, ULX-D, SLX, and BLX (BLX4R only) wireless receivers by providing efficient antenna signal splitting and power distribution. Please read this manual thoroughly before using the product to ensure optimal performance and safety.

SAFETY INFORMATION

- Ensure the device is connected to a power source that matches the specified voltage and current requirements.
- Do not expose the unit to water or excessive moisture.
- Avoid blocking ventilation openings to prevent overheating.
- Only use accessories and attachments specified by the manufacturer.
- Refer all servicing to qualified service personnel.

PACKAGE CONTENTS

- Shure UA844+SWB/LC Five-way Active Antenna Splitter and Power Distribution System
- Front-mounting antenna hardware
- Rack-mounting hardware
- Power supply (15V, 2.5A max)
- Note: Antenna cables and locking power cables are excluded.

PRODUCT OVERVIEW

The Shure UA844+SWB/LC is a central unit for managing antenna signals and power for multiple wireless receivers. It features inputs for external antennas and multiple outputs to connect to your wireless receiver units.



Front view of the Shure UA844+SWB/LC, a five-way active antenna splitter and power distribution system.



Rear view of the Shure UA844+SWB/LC, illustrating the various antenna and power output connections.

SETUP

1. Connecting Antennas

Connect your external antennas to the BNC connectors on the Shure UA844+SWB/LC unit. Ensure connections are secure to maintain signal integrity. The system supports active antennas for boosted signal reception.

2. Connecting Power Supply

Connect the provided power supply to the UA844+SWB/LC unit and then to a suitable power source. The unit also provides 4 DC power feeds for your receivers (15V, 2.5A max), eliminating the need for individual power bricks for each receiver.

3. Connecting Receivers

Connect your QLX-D, ULX, ULX-D, SLX, or BLX4R receivers to the antenna outputs and DC power feeds on the UA844+SWB/LC. Use appropriate coaxial cables for antenna connections and locking power cables if available for secure power delivery.

4. Network Setup for QLX-D Systems

For QLX-D systems, network your receivers together using Cat 5e or Cat 6 Ethernet cables connected from the back of each receiver to a network switch. This enables features like Network Scan for coordinated frequency management. Ensure your network uses a DHCP-enabled router for automatic IP address assignment. Manual IP address setup is also possible.

Receivers must be on the same subnet.

Video: Learn how to set up your Shure QLX-D Wireless Systems, including antenna, power, and audio output connections. This video provides a visual guide to the initial physical setup of your wireless microphone system components.

Video: This tutorial demonstrates how to use the Network Scan function on Shure QLX-D systems to identify clean and compatible frequencies when working with multiple QLX-D units. It covers networking receivers and initiating a network scan.

OPERATING

1. Finding an Open Channel (QLX-D)

On your QLX-D receiver, press the 'menu' button to access the scan function. Press 'enter' to initiate a scan for available frequencies. The group and channel will appear on the display once the scan is complete.

2. Syncing Transmitters (QLX-D)

Install batteries into your transmitter and turn it on. Press the 'sync' button on the receiver and align the transmitter's IR window about 6 inches away from the receiver's IR port. 'Good' will display on the receiver when sync is complete, and the blue RF LED will illuminate.

3. Checking Levels (QLX-D)

During a sound check, monitor the audio meter and LED on the receiver. The meter should display at least three bars, and the LED should be green. Adjust the gain using the arrow buttons on the front of the receiver if necessary to achieve optimal audio levels without clipping.

4. Using Network Scan (QLX-D)

Once receivers are networked, select a group or custom group on the receiver to initiate the Network Scan. Press the 'menu' button until 'Network Scan' appears and is flashing, then press 'enter'. The front panel LEDs of all receivers will blink when frequencies have been assigned. If full deployment does not occur due to insufficient open frequencies, select another group and re-scan. Consult the Shure online Wireless Frequency Finder tool if you are unsure which group is best to use.

MAINTENANCE

- Keep the unit clean and free from dust. Use a dry, soft cloth for cleaning.
- Regularly check all cable connections for wear and tear.
- Store the unit in a cool, dry place when not in use.

TROUBLESHOOTING

- **No Signal:** Check all antenna connections and ensure receivers are powered on and synced. Verify that the antennas are positioned correctly and unobstructed.
- **Intermittent Signal:** Re-scan for open frequencies, especially in environments with high RF interference. Ensure all components are securely connected.
- **Power Issues:** Confirm the power supply is correctly connected and functioning. Check all DC power feeds to receivers.
- **Network Scan Not Appearing:** Ensure all QLX-D receivers are properly networked together and recognized by the system.

SPECIFICATIONS

Feature	Detail
Item Weight	8.51 pounds
Product Dimensions	23.2 x 16.4 x 4 inches
Item Model Number	UA844+SWB/LC
Color	Black
Antenna Type	Radio
Number of Channels	5
UPC	042406461535
Manufacturer	Shure

WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please visit the official Shure website or contact their customer service. Keep your purchase receipt for warranty claims.

Official Shure Website: [Visit the Shure Store](#)