Lectrosonics DPR-A

Lectrosonics DPR-A Digital Plug On Transmitter User Manual

Model: DPR-A

1. INTRODUCTION

The Lectrosonics DPR-A is a state-of-the-art digital plug-on transmitter designed for professional audio applications. It offers a unique design that seamlessly integrates with any microphone or line-level source via a standard XLR connector. This manual provides detailed instructions for the proper setup, operation, and maintenance of your DPR-A transmitter.

Key features include a wide tuning range across the UHF television band, selectable output power, and robust AES 256-CTR encryption for secure transmissions. Its external antenna ensures exceptional operating range and reliability.

2. IMPORTANT SAFETY INFORMATION

Please read and follow all safety instructions carefully to prevent damage to the device or injury to yourself.

- Do not expose the unit to water or excessive moisture.
- Avoid extreme temperatures. Operate the device within its specified temperature range.
- Do not attempt to open or service the unit yourself. Refer all servicing to qualified personnel.
- Use only specified batteries and dispose of them properly.
- Ensure proper ventilation when operating the device.
- Keep out of reach of children.

3. PRODUCT COMPONENTS AND CONTROLS

Familiarize yourself with the various parts and controls of your DPR-A transmitter.

Figure 3.1: Lectrosonics DPR-A Digital Plug On Transmitter showing the XLR connector, control panel with LCD, and antenna connector.

3.1. Front Panel Controls and Display

- **LCD Display:** Shows frequency, battery status, audio levels, menu options, and other operational information.
- **MENU/SEL Button:** Used to enter menus and select options.
- **BACK Button:** Used to return to the previous menu or exit a setting without saving.
- **Power Button ( ):** Press and hold to power the unit on or off.
- **Up (↑) and Down (↓) Buttons:** Used to navigate menu options and adjust values.
- **PWR KEY LED:** Indicates power status and key lock.
- **Audio Level Indicators (-10, -20):** LEDs indicating input audio signal levels.

3.2. Connectors

- **XLR Connector (Male):** Standard 3-pin XLR for connecting microphones or line-level audio sources.
- **Antenna Connector (SMA):** For attaching the external antenna.

4. SETUP GUIDE

Follow these steps to prepare your DPR-A transmitter for operation.

4.1. Battery Installation

1. Locate the battery compartment (typically on the side or bottom of the unit).
2. Open the battery compartment cover.
3. Insert fresh batteries, observing the correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

4.2. Microphone/Line Source Connection

1. Align the XLR connector of your microphone or audio source with the XLR input on the DPR-A transmitter.
2. Push firmly until it clicks into place, ensuring a secure connection.

4.3. Antenna Connection

1. Screw the supplied antenna onto the SMA antenna connector on the side of the transmitter.

2. Tighten the antenna finger-tight; do not overtighten.

5. OPERATION

This section details how to operate your DPR-A transmitter.

5.1. Powering On/Off

- **To Power On:** Press and hold the Power button () for approximately 2 seconds until the display illuminates.
- **To Power Off:** Press and hold the Power button () for approximately 2 seconds. The display will show a power-down confirmation; release the button to confirm.

5.2. Navigating the Menu

- Press **MENU/SEL** to enter the main menu.
- Use the **Up** (↑) and **Down** (↓) buttons to scroll through menu options.
- Press **MENU/SEL** again to select a highlighted option or enter a sub-menu.
- Use **Up** (↑) and **Down** (↓) to change values or settings.
- Press **MENU/SEL** to confirm a setting, or **BACK** to exit without saving.
- Press **BACK** repeatedly to return to the main operating screen.

5.3. Frequency Selection

The DPR-A can tune from 470.100 to 607.950 MHz.

1. From the main menu, navigate to the "Frequency" or "Tune" option.
2. Use the **Up** (↑) and **Down** (↓) buttons to adjust the frequency in 100 kHz or 25 kHz steps.
3. Press **MENU/SEL** to confirm the selected frequency.

5.4. Output Power Adjustment

The transmitter offers selectable output power of 25 mW or 50 mW.

1. Navigate to the "Power" or "RF Power" setting in the menu.
2. Select either 25 mW or 50 mW using the **Up** (↑) and **Down** (↓) buttons.
3. Press **MENU/SEL** to save the setting.

5.5. Encryption (AES 256-CTR)

The DPR-A supports AES 256-CTR encryption for secure communication. Refer to the detailed encryption setup instructions in the full Lectrosonics manual for key generation and synchronization procedures.

6. MAINTENANCE

Proper care and maintenance will extend the life of your DPR-A transmitter.

6.1. Cleaning

- Wipe the exterior of the unit with a soft, dry cloth.
- For stubborn dirt, use a slightly damp cloth with mild soap, then wipe dry immediately.
- Do not use abrasive cleaners, solvents, or harsh chemicals.

6.2. Battery Care

- Remove batteries if the unit will not be used for an extended period to prevent leakage.
- Always use high-quality batteries.

6.3. Storage

- Store the transmitter in a cool, dry place away from direct sunlight and extreme temperatures.
- Protect the unit from physical shock and vibration.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your DPR-A transmitter.

Problem	Possible Cause	Solution
Unit does not power on.	Dead or incorrectly installed batteries.	Replace batteries or check polarity.
No audio output from receiver.	Incorrect frequency setting; transmitter not powered on; microphone not connected.	Verify frequency matches receiver; ensure transmitter is on; check microphone connection.
Poor operating range or signal dropouts.	Antenna not properly connected; interference; low output power.	Ensure antenna is securely attached; check for sources of interference; increase output power if necessary.
Display is dim or unresponsive.	Low battery; extreme temperature.	Replace batteries; move unit to a moderate temperature environment.

If the problem persists after trying these solutions, please contact Lectrosonics customer support.

8. SPECIFICATIONS

Technical specifications for the Lectrosonics DPR-A Digital Plug On Transmitter.

- **Model:** DPR-A
- **Frequency Range:** 470.100 - 607.950 MHz (UHF TV Band)
- **Tuning Steps:** 100 kHz or 25 kHz
- **Output Power:** Selectable 25 mW or 50 mW

- **Encryption:** AES 256-CTR
- **Audio Input:** Standard XLR connector (microphone/line level)
- **Antenna Connector:** SMA type
- **Item Weight:** 2 pounds
- **ASIN:** B0CPTLS5RX
- **Date First Available:** August 6, 2024

9. WARRANTY INFORMATION

Lectrosonics products are covered by a limited warranty. For detailed information regarding warranty terms, conditions, and registration, please refer to the warranty card included with your purchase or visit the official Lectrosonics website. Keep your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For technical assistance, service, or additional information, please contact Lectrosonics customer support:

- **Website:** www.lectrosonics.com/support
- **Phone:** Refer to the website for regional contact numbers.
- **Email:** Refer to the website for support email addresses.

When contacting support, please have your product model (DPR-A) and serial number ready.

Related Documents - DPR-A

Quick Start Guide LECTROSONICS DPR-A Digital Plug-On Transmitter DPR-A, DPR-A/E01, DPR-A/E01-B1C1	[Lectrosonics DPR-A Digital Plug-On Transmitter Quick Start Guide](#) A concise guide to the setup and operation of the Lectrosonics DPR-A Digital Plug-On Transmitter, covering controls, battery installation, powering on, microphone connection, frequency setup, encryption, recording, and SD card formatting.

	[Lectrosonics DPR Digital Plug-On Transmitter Instruction Manual](#) Comprehensive instruction manual for the Lectrosonics DPR Digital Plug-On Transmitter, covering features, operation, setup, specifications, firmware updates, and service.
	[Lectrosonics DPR-A Digital Plug-On Transmitter Quick Start Guide](#) Concise guide to setting up and operating the Lectrosonics DPR-A Digital Plug-On Transmitter, covering controls, battery installation, powering on, microphone connection, recording, and SD card formatting.
	[Lectrosonics MM400A Digital Hybrid Wireless Miniature UHF Belt-Pack Transmitter Operating Instructions](#) This document provides operating instructions for the Lectrosonics MM400A Digital Hybrid Wireless Miniature UHF Belt-Pack Transmitter, covering its features, controls, operation, and troubleshooting.
	[Lectrosonics UM190B UHF Belt-Pack Transmitter Operating Instructions and Troubleshooting Guide](#) This document provides comprehensive operating instructions and troubleshooting guidance for the Lectrosonics UM190B UHF Belt-Pack Transmitter, covering its features, setup, and maintenance.
	[Lectrosonics DCHT Digital Transmitter Instruction Manual](#) Comprehensive instruction manual for the Lectrosonics DCHT Digital Transmitter, covering features, setup, operation, specifications, troubleshooting, and accessories.