



PSC UHF Log Periodic Antenna



- Frequency Range of 450Mhz to 900Mhz
- Excellent RF Performance
- Robust, Skeletal Design
- Durable, Water Resistant Coating
- Competitively priced, and Made in the U.S.A

Introduction:

Thank you for purchasing the Professional Sound Corporation UHF Log Periodic Array Antenna. This new antenna is the result of our desire to provide you with a high quality, great performing active antenna at a reasonable price point.

Safety Warnings:

The PSC UHF Log Periodic Antenna has been designed to be inherently safe to use. The design complies with all current safety, environmental and RF emission regulations. The safe use of this product is determined primarily by the user. Please read and understand this entire user's manual before using your new UHF Log Periodic Antenna. Proper cabling is a must in, on and around film and television production sets. Please make sure to route and tape down your RF cables on any film set so as to eliminate any possibility of tripping and/or equipment damage. Professional Sound Corp, its owners, officers and employees accept no responsibility for misuse of this antenna, whether intentional or not that may result in personal injury and/or property damage. In addition, PSC reserves the right to be held harmless for any liability caused by the use of this antenna with any other equipment.

Overview:

- Frequency Range of 450Mhz to 900Mhz
- Excellent RF Performance
- Robust, Skeletal Design
- Switchable Gain via Easy to Use Rotary Knob
- Durable, Water Resistant Coating
- Competitively priced, and Made in the U.S.A

Construction:

The PSC UHF Log Periodic Antenna's main array is built from 0.125" (3.2mm) fiberglass board. The finished fiberglass board is coated with a Durable, water resistant coating and should provide years of service in the field under extreme conditions.

Antenna Placement:

Your new PSC UHF Log Periodic Antenna should be mounted up and away from all of your other sound equipment. The antenna should be pointed toward the actor worn transmitters. Typically we advise that you place the antenna up at least 6 to 10 feet (2-3 meters) above your sound cart for best performance. The antenna can be mounted using an industry standard 3/8"-16TPI threaded base.

RoHS Certificate of Compliance

Professional Sound Corporation certifies that all products designated by Professional Sound Corporation as “PB-Free”, “RoHS Compliant” or “Green” are compliant with the requirements of the European Union’s Restriction on Use of Hazardous Substances (“RoHS”) Directive, 2002/95/EC.

Professional Sound Corporation bases its material content knowledge on information provided by third parties, including parts manufacturers, distributors and vendors. Only RoHS certified parts and sub-assemblies are used in the assembly of Professional Sound Corporation products. Additionally Professional Sound Corporation has taken and continues to take commercially reasonable steps to insure that its parts suppliers, subcontractors and assembly houses are RoHS compliant.

Level A Banned Substances

Threshold, Homogeneous Level

Asbestos	Not intentionally added
Azo colorants	Not intentionally added
Cadmium	100 ppm, Not intentionally added
Hexavalent Chromium	1000 ppm, Not intentionally added
Lead	1000 ppm, Not intentionally added
Polybrominated Biphenyls (PBB’s)	1000 ppm, Not intentionally added
Polybrominated Diphenyl Ethers (PBDE’s)	1000 ppm, Not intentionally added
Polychlorinated Biphenyls (PCB’s)	Not intentionally added

Professional Sound Corporation certifies that all products made on or after June 30th, 2006 to be RoHS Compliant. All such products will be clearly marked with Professional Sound Corporation “compliant” label. This label assures the reseller and end user that the product is RoHS Compliant. An example of this label is shown below:



Compliant

Ronald Meyer, President, Date: April 2016

CE

DECLARATION OF CONFORMITY

EMC: This product is in compliance with the Electromagnetic Compatibility Directive, 89/336/EEC as defined in EN 50081-1, EN55022 and EN 50082-1. IEC801-2, IEC801-3 and IEC801-4.

LVD: This product is in compliance with the requirements of the Low Voltage Directive, 73/23/EEC. 93/68/EEC as defined in EN60065, 1993 and/or EN60950/A1/A2/A3: 1995

TRADE NAME: PSC

MODEL: PSC Log Periodic Antenna

RESPONSIBLE PARTY: Professional Sound Corp.
28085 Smyth Drive
Valencia, CA 91355 USA

CONTACT PERSON: Ronald Meyer

(661) 295-9395

TYPE OF PRODUCT: Passive LPDA Receive Antenna

MANUFACTURER: Professional Sound Corp.

28083 Smyth drive
Valencia, CA 91355 USA

We hereby declare that the equipment bearing the trade name and model number listed above has been tested in accordance with the requirements contained in the above listed directives. All necessary steps have been taken and are in force to assure that production units manufactured will conform to Directive guidelines.

April 2016

Professional Sound Corporation.

PSC UHF Log Periodic Antenna Limited Warranty

Professional Sound Corporation warrants the UHF Log Periodic Antenna to be free of defective material and workmanship for a period of one year from the original date of purchase and agrees to repair or replace such defective parts or the whole product at its option, provided that the equipment is returned to Professional Sound Corporation. Shipping and insurance costs to and from Professional Sound Corporation must be prepaid by the owner. This warranty does not cover damage due to accident, careless handling, abuse or misuse, improper connection and/or installation, improper electrical contact or grounding. This warranty will be null and void in the event of removal, alteration or tampering with the serial number, or by breakage of the product case seal, or by service or repair work not performed by Professional Sound Corporation. Proof of purchase date (copy of invoice or Warranty Certificate) must be furnished before warranty service will be performed. This warranty is in lieu of any other warranty, expressed or implied, including warranties without limitation, products being merchantable at the time of purchase or suitable for a particular purpose. This warranty does not extend to, or include consequential damage.

Specifications:

PSC #	FPSC0044
Size	11" x 11" x 1" (28cm x 28cm x 2.5cm)
Weight	13 oz (450g)
Gain	4.5dB average
Frequency	450MHz - 900Mhz
Impedance	50 ohms
Front to Back Ratio	12dB
Connector	BNC
Warranty	1 Year, Limited

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Specifications subject to change without notice.

All technologies employed in the design and manufacturing of the Log Periodic Antenna remain the proprietary property of Professional Sound Corp. All Rights Reserved

Professional Sound Corporation

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