



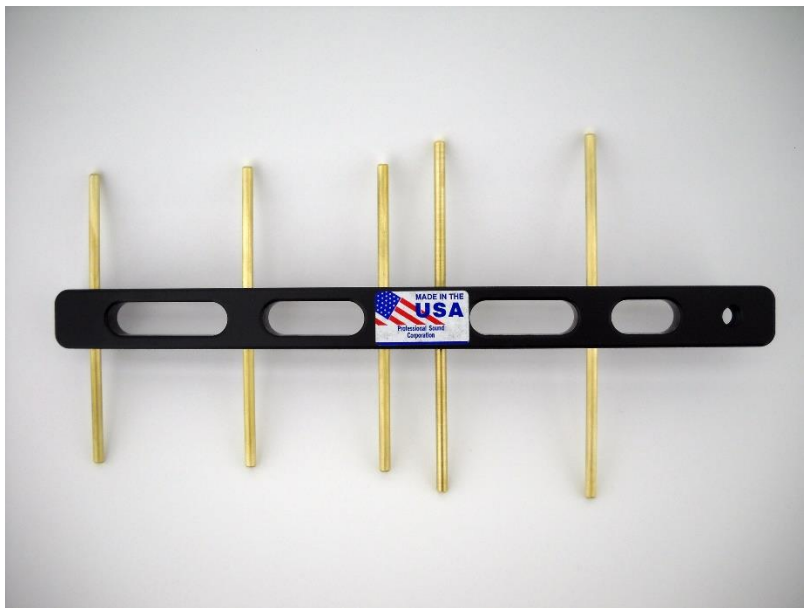
PSC 941 Yagi Antenna



- Frequency Range of 940Mhz to 960 Mhz...PSC Exclusive Feature
- Works as a Passive High Gain Antenna
- Excellent RF Performance
- Approximately 9 dBd Gain
- Weather Resistant Design
- BNC Output Connector
- Competitively priced, and Made in the U.S.A

Introduction:

Thank you for purchasing the Professional Sound Corporation 941 Yagi Antenna. This new antenna is the result of our desire to provide you with a high quality, great performing 941 Block antenna at a reasonable price point.



Safety Warnings:

The PSC 941 Yagi 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 PSC 941 Yagi 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. This antenna like many others uses metal parts as part of its design. These parts can be electrically conductive and care must be used when operating this antenna around live power sources.

Overview:

- Frequency Range of 940Mhz to 960Mhz...PSC Exclusive Feature
- Excellent RF Performance
- Approximately 9dBd Gain
- Robust, Skeletal Design
- Switchable Gain via Easy to Use Rotary Knob
- Weather Resistant Design
- Competitively priced, and Made in the U.S.A

Construction:

This new antenna design features a skeletal boom made from CNC machined black Delrin. This high-performance engineered plastic is rugged enough to provide years of service in the field. The solid brass elements locked into place using stainless steel cup point set screws to assure no movement of the tuned elements. A BNC connector rounds out the design.

Connector:

This PSC 941 Yagi antenna uses a standard 50 Ohm BNC connector:

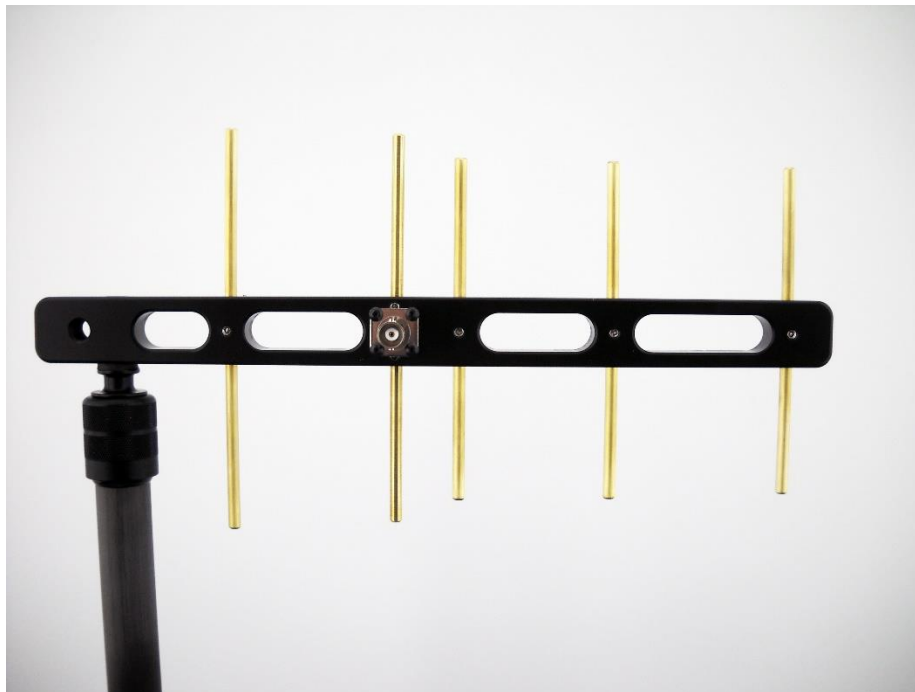
**Antenna Placement and Polarization:**

Your new PSC 941 Yagi 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 PSC 941 Yagi antenna has mounting provisions for mounting it either Vertically Polarized or Horizontally Polarized. The Vertical Polarization mounting scheme generally provides better RF performance. Think of it this way: You want the antenna elements mounted in the same direction as the transmitter antenna. Most of the time, the body pack transmitter worn by an actor has its antenna sticking straight upward. This is why we recommend you mount this 941 Yagi antenna in the Vertical position (with the elements point up and down)

The antenna can be mounted using an industry standard 3/8"-16TPI threaded base.



This photo shows the 3/8-16 TPI mounting threads.



This Photo shows Vertical Polarization of the antenna.

Use this mounting polarization for most applications.



**This photo shows Horizontal Polarization of the antenna.
This mounting position is used when the transmitter's antenna
is also mounted horizontally.**

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: November 2019



DECLARATION OF CONFORMITY

STANDARD : EN 55032.2012 Part 1, Emissions

EN55032.2012 Part 2, Immunity

TRADE NAME: PSC

MODEL: PSC 941 Yagi Antenna

RESPONSIBLE PARTY: Professional Sound Corp.
28085 Smyth Drive

Valencia, CA 91355 USA

CONTACT PERSON: Ronald Meyer

(661) 295-9395

TYPE OF PRODUCT: Passive Yagi Antenna

MANUFACTURER: Professional Sound Corp.

28085 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.

January 2018

Ronald Meyer

Ronald Meyer (Technical Director)

Professional Sound Corporation 28085 Smyth Drive, Valencia, CA 91355

PH (661) 295-9395 Fax (661) 295-8392 email sales@professionalsound.com

PSC Power Paddle Limited Warranty

Professional Sound Corporation warrants the PSC 941 Yagi 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:

Overall Size including BNC:	12" x 6" x 1.25" (30.5cm x 15cm x 3cm)
Weight:	6.4oz (180 gm)
Number of Elements:	5 Total (3 Director, 1 Driven, 1 Reflector)
Frequency of Operation:	940Mhz to 960Mhz
Gain:	Approx. 9dBd
Connector:	BNC
Boom Material:	Delrin, Black
Element Material:	Solid Brass 0.187" diameter (4.75mm)

Specifications subject to change without notice.

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All technologies employed in the design and manufacturing of the PSC 941 Yagi Antenna remain the proprietary property of Professional Sound Corp. All Rights Reserved

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