



S8090 UHF LOG PERIODIC DIPOLE ARRAY (LPDA) ANTENNA

The PWS S8090 is a Log Periodic Dipole Array Antenna (LPDA) also commonly called a Shark Fin or Batwing antenna. This antenna offers a slightly wider beam width than the helical antenna, but less forward gain and with a single polarization.

This antenna features a glass epoxy body with a right angle BNC (f) connector. It can be mounted using a standard microphone stand or mounted to the wall using our wall mount bracket (sold separately). The S8090 is weather resistant for use outdoors but is not intended to sustain water submersion.

INSTALLATION INSTRUCTIONS

1. Determine which thread size is necessary to mount the antenna, 5/8-27" (US standard mic stand) or 3/8-16"(European standard mic stand).
2. If necessary, remove the four screws from the mounting block, turn it over and replace all four screws.
3. Mount the antenna so it points toward the intended coverage area. Be sure to mount the antenna with the mounting block facing towards the ground.

IMPORTANT:

Keep all antennas away from large metallic objects.

Avoid placing the antenna anywhere that a metallic obstruction will be between the antenna and the area of coverage.

Always perform a "walk around" test to verify coverage before using a wireless system during any type of live performance or speech. Experiment with the location of the antenna in order to find the optimum location for the S8090.

Always use low-loss 50 ohm cable, such as RG-8X or equivalent. PWS S9046 25 ft or 50 ft or 100 ft cables are recommended.

SPECIFICATIONS

RF Frequency Range

470-806 MHz

Antenna Gain

6.5 dBi

Construction Material

Powder Coated FR2

Impedance

50 ohms

Front-to-Back Ration/Rear

Rejection

35dB

Stand Adapter

Threaded for both 5/8-27 (standard US) and 3/8-16 (standard European) mic stands

Beamwidth

65 degrees Horizontal/115 degrees Vertical

RF Connector

BNC type, female

Net Weight (without cable)

1 lb 0 oz

DC/AC Power Source

None required

Dimensions

10.90 in. H x 10.70 in. W x 1.90 in. D

NOTE: For additional assistance, please call the PWS technical department.

WARRANTY AND SERVICE INFORMATION

Professional Wireless Systems (PWS) manufactured products are warranted against defects in material and workmanship for a period of one year from date of original purchase, inclusive of parts and labor. This warranty excludes units that have been modified, repaired by unauthorized personnel, or damaged by abuse, improper operation, natural elements or static electricity.

PWS reserves the right to make changes and/or improvements to its products, without incurring any obligation to incorporate such changes or improvements in products previously sold or shipped.

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PWS' sole liability under this limited warranty shall be, at our discretion, the repair or replacement of defective products or components. To invoke this warranty, a claim must be received by PWS within the warranty period stated above and verified by PWS. Claims may be made by phone (407-240-2880) or fax (407-854-8492). Upon authorization, product shall be sent to PWS freight prepaid in the original or equivalent packaging. Products returned with excluded condition(s), out of warranty, or without authorization will be subject to parts and labor charges at prevailing rates. After a warranted product is repaired or replaced, PWS will return it freight prepaid.