

# Directive Systems & Engineering

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## 23cm Loop Yagi (Rear Mount), Model DSE2324LYRM

### SPECIFICATIONS

Frequency Range:	1.27-1.30 GHz
Number of elements:	24
Boom Length:	72 inches
Boom diameter:	1 inch
Mast diameter:	2 inches max.
Weight:	4 pounds
Connector:	Type N female
Gain:	17 dBi
-3 dB Beamwidth (E Plane):	$\approx 27^\circ$
F/B ratio:	>20 dB
Maximum Power:	550 W. average
Stacking Distance:	
E Plane	21 $\frac{3}{4}$ " (55.25cm)
H Plane	19 $\frac{1}{4}$ " (48.9cm)

*Note: All hardware is Stainless Steel unless otherwise noted.*

**Anti-Seize Compound** - Apply a small amount of the supplied Anti-Seize Compound to the aluminum joints and to the threads of the U-Bolts to prevent galling.

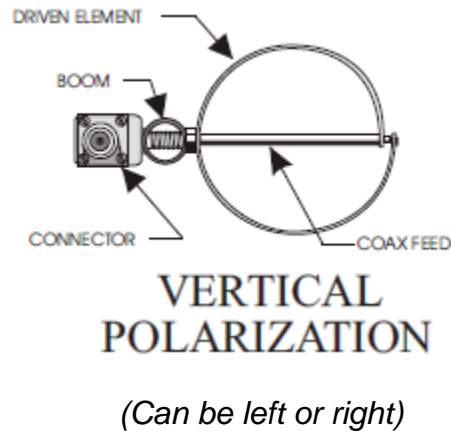


**BEFORE INSTALLING YOUR NEW ANTENNA, PLEASE BE SURE TO READ THE ENCLOSED WARNING PAMPHLET.**

### ASSEMBLY INSTRUCTIONS

- 1) Unpack antenna and locate the hardware package.

- 2) Antenna may be shipped in two sections; if so, the splice will be between Directors 11 & 12. Remove D11 from the front boom section and slide the two boom pieces together. Align the reference marks on the boom, replace D11 and retighten.
- 3) Straighten any misaligned elements and tighten hardware if necessary. **But do not touch R1, DE or D1, as these have been factory set for minimum SWR.**
- 4) Insert U-Bolt into rear mount bracket. Note that the bracket can be installed for either vertical or horizontal polarization. (See drawings below)



- 5) Attach the feed line, and tape it to the mast. The connector should be sealed with electronic grade RTV or equivalent.
- 6) The antenna SWR has been adjusted at the factory for less than 1.5:1. Additional tweaking can be accomplished by adjusting the distance between the driven element and R1 and D1, or by adjusting the shape of the driven element. **NOTE: Do not attempt this adjustment unless the proper equipment and qualified personnel are available.**
- 7) If antennas are to be stacked, see "Instructions for Stacking Loop Yagis".

**DO NOT, UNDER ANY CIRCUMSTANCES, APPLY ANY TYPE OF SEALANT OR COATING TO THE DRIVEN ELEMENT, T-ARMS OR CONNECTOR ASSEMBLY, OTHER THAN KRYLON® CLEAR COAT. ANY OTHER COATING WILL ADVERSELY AFFECT THE SWR AND VOID YOUR WARRANTY.**

## Directive Systems Warranty Policy

All Directive Systems antennas are built with the finest materials available. We take great pride in building a quality product that will give years of good service and performance. If there is a defect in materials or workmanship within 90 days of purchase, Directive Systems will repair or replace the defective part, free of charge, to the original purchaser. **DO NOT RETURN ANYTHING WITHOUT PRIOR AUTHORIZATION FROM DIRECTIVE SYSTEMS.** Please contact us either by phone or email describing the problem and we will work to resolve it.

If, after examining a new antenna you received, you are not satisfied, contact us immediately for return authorization and refund. **ANY ANTENNA THAT HAS BEEN MODIFIED WILL BE SUBJECT TO A RESTOCKING CHARGE. IF AN ANTENNA IS SO MODIFIED AS TO MAKE IT UNUSABLE, DIRECTIVE SYSTEMS RESERVES THE RIGHT TO REFUSE TO ACCEPT THE ANTENNA FOR RETURN.**