

# Directive Systems & Engineering

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## 24cm Loop Yagi Kit (Rear Mount), Model DSE2414LYRM

### SPECIFICATIONS

Frequency range:	1.24 to 1.27 GHz	Gain:	15 dBi
Number of elements:	14	-3 dB Beamwidth	
Boom length:	36 inches	(E plane):	30°
Boom diameter:	1 inch	F/B ratio:	>20 dB
Mast diameter:	2 inches max	Maximum Power:	550 W average
Weight: (assembled)	3 pounds		
Connector:	Type-N female		

*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.**

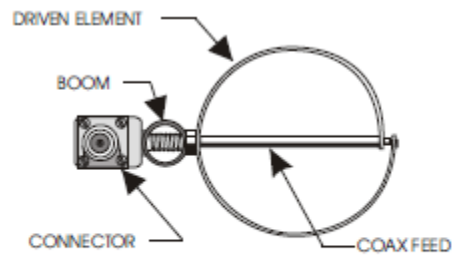
### ASSEMBLY INSTRUCTIONS

- 1) Unpack antenna and locate the hardware package.
- 2) 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.**
- 3) Insert U-Bolt into rear mount bracket. Note that the bracket can be installed for either vertical or horizontal polarization. (See drawings below)



**HORIZONTAL  
POLARIZATION**

*(Can be up or down)*



**VERTICAL  
POLARIZATION**

*(Can be left or right)*

- 4) Attach the feed line, and tape it to the mast. The connector should be sealed with electronic grade RTV or equivalent.
- 5) 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.**
- 6) 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.**