



ANTENNA EXPERTS

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Model ADY-450 400 – 512 MHz. 16dBi Gain

INSTALLATION MANUAL – DUAL YAGI ANTENNA

NOTICE:

Installation, maintenance or dismantling of the antenna system requires qualified and experienced personnel. Antenna Experts antenna Installation instructions have been prepared and are meant for skilled personnel only.

Antenna Experts disclaims any liability or responsibility as a result of improper or unsafe installation practices.

MATERIALS:

Following materials are used for the fabrication of Antennas and its accessories.

Yagi Boom and Elements:	6063T6 Aluminum.
Mounting Hardware:	All stainless steel.
Fasteners:	All Stainless Steel.
Connector:	Silver Plated Brass body with Gold plated pin.
Insulator:	TEFLON.
Housing:	NYLON

PACKING LIST:

<u>Sl. No.</u>	<u>Item/Description.</u>	<u>Quantity</u>
01.	Antenna Yagi complete in assembled condition.	2 Nos.
02.	Phasing Harness, Complete with mounted Connectors.	1 Each.
03.	40mm. O.D. Mounting Pipe fitted with 2 Nos. of Yagi Clamps.	1 Each.
04.	Mounting Clamps to mount the 40 mm. pipe on the Mast.	2 Nos.
05.	Cable ties.	5 Nos.
06.	Installation Manual.	1 Each.
07.	Test Report.	1 Each.

INSTALLATION INSTRUCTION :

01. Unpack the Yagi Antenna, Phasing Harness, Mounting Pipe and Mounting Hardware from the packing box.
02. Install 40 mm. O.D. Pipe on the Mast, by using the two mounting clamps.
03. The stacking distance between both Yagi Antennas is critical and factory adjusted, so do not try to change it.
04. Insert both Yagi Antenna into the Aluminum square clamp, which is fitted on the 40 mm. O.D. pipe and tighten it with “U” type bolt.
05. Select the required plane of polarization, vertical/horizontal, by rotating the Yagi Antenna through 90 degrees.
- 06. A “Red Mark” is provided on the dipole feed of both the Yagi Antennas.**
- 07. For Vertical polarization, both “Red Mark” of the Dipole Feed must be facing upward.**
- 08. For Horizontal polarization, both “Red Mark” of the Dipoles Feed Must be facing the same direction.**
09. Connect the Phasing Harness cable to each antenna and secure it with cable tie.
10. Connect the antenna feeder cable to the N-Female connector of Phasing Harness and secure it with cable tie.
11. Seal the connector against moisture ingress with a sealing tape.
12. Take VSWR reading with a through-line meter, and note it for future reference.
13. Carefully align the antenna in desired direction to obtain maximum signal strength.
14. Tighten all nuts and bolts.