

# JETSTREAM

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Hamilton, Ohio 45011

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800-524-4889

## Instructions for JTBM270

### Description

Dual band beam for 2m and 70cm. Independent element type ensures a nice gain and performance in comparison with mono band beams. Stainless steel boom, elements and brackets which ensures superior durability and long life in all weather conditions. Lightweight, compact and easy to install and re-assemble.

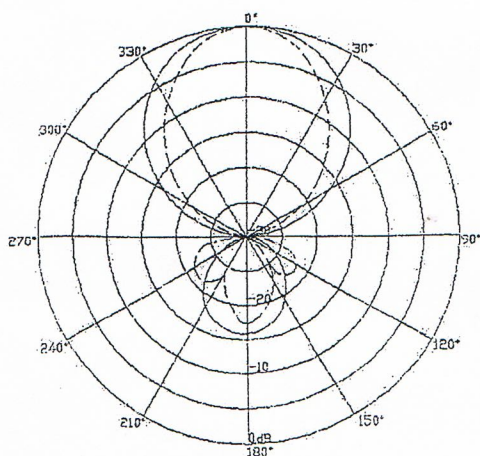
### Specifications:

144-148 Mhz/440-450 Mhz Dual band antenna.  
3 elements on 2m  
5 elements on 70cm  
9.5 db gain on 144-148 Mhz  
11.15 db gain on 440-450 Mhz  
Impedance: 50 ohms  
Max power: 125 watts, sum of both bands  
Max wind rating: 90 MPH  
Connector: N  
Mast size: 1 1/4 - 2 inch  
Wind Load: Less than 1 square ft  
Boom Length: 44.5"  
Longest Element: 41.1"  
Weight 2 lbs

### Assembly

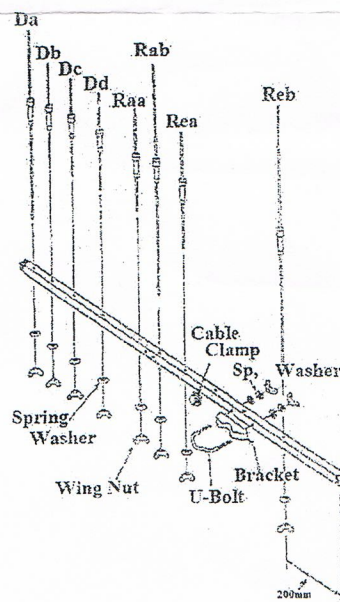
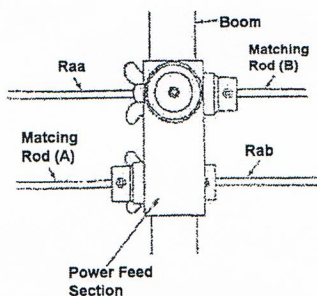
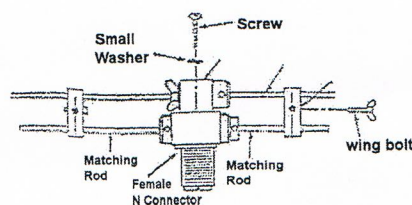
1. Identify and arrange the 8 elements and the power feed unit of the antenna.
2. Using flat washer and wing nut join each element and the power feed unit (with Raa and Rab) according to color code to boom
3. Insert matching rod A & B into power feed unit. A(longer bar) should be in the hole farthest from the N female connector. B(shorter bar) should be in the hole closest to N female connector. Using hex wrench tighten match rods in power feed unit with set screws. Attach shorting bars per diagram.
4. Refer to drawing and attach cable clamp on boom forward from location of U-bolt bracket and on the same side as the power feed unit.
5. Mount antenna on mast in either horizontal or vertical position
6. Attach coax with N male connector to power feed unit. Use electrical tape or wire ties to secure coax to boom. Use JTSEAL to seal N connector connection.

### Radiation Pattern



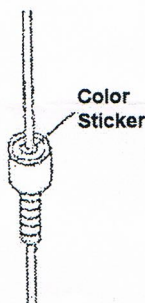
— 2 meters

--- 70 cm



### Element Chart

|     |        |        |
|-----|--------|--------|
| Da  | 36.7"  | Red    |
| Db  | 12.2"  | Blue   |
| Dc  | 12.28" | Yellow |
| Dd  | 12.44" | White  |
| Raa | 13"    | Black  |
| Rab | 37.48" | Green  |
| Rea | 14.96" | Orange |
| Reb | 41.1"  | Brown  |



### Safety Instructions:

Do not install on a rainy or windy day.  
Do not install near power lines.  
Do not install by yourself, always have someone else near by to help.  
If antenna comes in contact with electric lines, do not try to remove. Call you electric company immediately.  
If you do not have experience at installing antennas, seek the help of a professional.

### Recommended Accessories for the JTBM270 antenna:

Lightning arrestor: **Jetstream JT40R**

Coax:

Less than 50 ft: **Jetstream JT2008**

More than 50 ft: **Jetstream JT2013, JT2015 or JT2015F**

Coaxial Switch: **Jetstream CO201, JTCS2M, JTCS3M or JTCS4M**

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