

Cushcraft is the leader in dual band antennas. Our verticals provide excellent coverage at a price below the competition. The AR270 and AR270B are favorites with the AO27 crowd. For increased coverage, our dual band Yagis lead the way. Both Yagis require only one coax feedline for true dual band performance.

AR270B 5.5/7.5 dB Dual Band Ringo

This model gives very high gain with a low angle of radiation and it is only 7.7 feet (2.35 m) high. The AR270B is computer optimized with two 5/8 wavelength collinear elements on 2 meters and four 5/8 wavelength elements on 70 cm. It is broadbanded for minimum SWR on both bands. It is easy to assemble with three rugged aluminum tubing sections, a durable mast mount and factory sealed coils for best performance.

AR270 3.0/5.5 dB Dual Band Ringo

The "Dual Wonder" AR270 is only 3.75 feet (1.1 meters) high. It has great performance for its size, making it the most popular 2m/70 cm base antenna.

| MODEL | AR270 | | AR270B | |
|--|------------------|---------|------------------|---------|
| Frequency, MHz | 144-148 | 430-450 | 144-148 | 430-450 |
| SWR 1.2:1 Typical | | | | |
| 2:1 Bandwidth, MHz | >4 | >15 | >4 | >15 |
| Gain, dBi | 3.0 | 5.5 | 5.5 | 7.5 |
| Power, Watts FM | 250 | 250 | 250 | 250 |
| Horizontal Radiation | | | | |
| Pattern, Degrees | 360 | 360 | 360 | 360 |
| Height, ft. (m) | 3.75 (1.13) | | 7.7 (2.3) | |
| Mast Size Range, in | 1.25-2 (3.2-5.1) | | 1.25-2 (3.2-5.1) | |
| Radial Length, in (cm) | 6.75 (17.1) | | 6.75 (17.1) | |
| Wind Load, ft ² (m ²) | 0.27 (0.03) | | 0.47 (0.044) | |
| Weight, lb (kg) | 2 (0.9) | | 2.4 (1.09) | |



A27010S and A2706S 10 and 7.8 dB Dual Band Yagis

Increase your range by selecting one of the new Cushcraft dual band Yagis on 2 meters and 70 cm. You can point the antenna at stations while you are in QSO with them. This will direct more of your output power when transmitting at the same time reducing interference and increasing signal strength when receiving. These antennas are perfect for packet applications. Assembly is a snap with our fully illustrated assembly manuals.



Cushcraft pioneered dual band side-by-side Yagis. The harmonic relationship of 2 meters and 70 cm allow clean radiation patterns with minimal interaction, such that a single feedline is used.

| MODEL | A27010S | | A2706S | |
|---|------------------|-----|------------------|-----|
| | VHF | UHF | VHF | UHF |
| No. Elements: | 5 | 5 | 3 | 3 |
| Forward Gain, dBi: | 10 | 10 | 7.8 | 7.8 |
| Front to Back Ratio, dB: | 20 | 18 | 20 | 18 |
| SWR 1.2:1 Typical: | | | | |
| 2:1 Bandwidth, MHz: | ³4 | ³10 | ³4 | ³20 |
| Power Rating, Watts PEP: | 350 | 350 | 350 | 350 |
| 3dB Beamwidth, Degrees | | | | |
| E Plane: | 52 | 52 | 66 | 66 |
| H Plane: | 60 | 60 | 108 | 108 |
| Boom Length, ft (m): | 6.17 (1.9) | | 2.8 (.85) | |
| Longest Element, in (cm): | 40.3 (102.4) | | 41 (104.1) | |
| Turning Radius, ft (m): | 6 (1.8) | | 2.8 (.85) | |
| Mast Size Range, in (cm): | 1.25-2 (3.2-5.1) | | 1.25-2 (3.2-5.1) | |
| Wind Load, ft ² (m ²): | .725 (.07) | | .3 (.02) | |
| Weight, lb (kg): | 1.8 (.81) | | 1.7 (.8) | |