

## Which Antenna is Right for You?



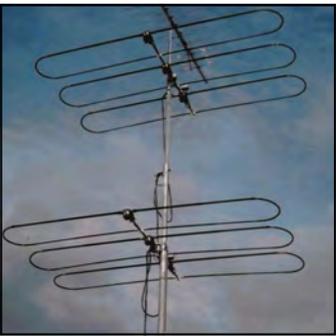
**The 2 Element Yagi** has the highest value-to-performance of any of our antennas and is the antenna of choice for DXpeditions. It actually performs more like a smaller 3 element Yagi, due to its innovative 57 inch boom. This spacing allows for optimal performance throughout it's frequency range . An optional 40/30m loop dipole is available for this antenna. This is an affordable and stealthy antenna, great for small lots and CC&R neighborhoods while still having excellent performance. The picture shown to the left is the 3Y0X Peter I DXpedition.



**The 3 element Yagi** is the original Steppir antenna. Using our proven technology, it gives continuous frequency coverage from 20m-6m. The 3 element Yagi with the 40/30 dipole option is our most popular antenna. With a 16 foot boom, the antenna models that are programmed into the controller deliver solid gain and exceptional front-to-rear ratios. Ask any SteppIR owner to "hit the 180" button, and you may be surprised to hear just how good the front-to-rear really is for this antenna. Shown to the left is Antarctic station R1ANP.



**The 4 element Yagi** has set the standard for performance in HF antennas and with the addition of an optional 40/30M rotatable Dipole you will have unmatched single antenna performance. With a 32 foot boom and weighing in at reasonable 99 lbs, this antenna is ideal for DXers who want to maximize performance on 20m-6m using a single tower. The 4 element Yagi is configured for maximum gain and solid front-to-rear ratios. The picture to the left is our 4E on a scissor lift at the Dayton Hamvention in 2003!



**With the DB11 Yagi**, you don't have to give up performance to fit the antenna into a small space! The DB11 is the smallest of our Yagi antennas. All of our DB series antennas utilize looped elements. This is a distinctive advantage, allowing for a 40% smaller size platform with excellent performance. The DB11 uses an integral coax switch to select which one of the three elements are driven to give equal performance in forward and reverse directions. The DB11 has two active elements on 20m and three active elements on 17-6m. This is arguably the highest performance Yagi of this size in the world! The picture on the left is the unique DB11 stack at QTH W6JZH, proving vertical "space" is most important!

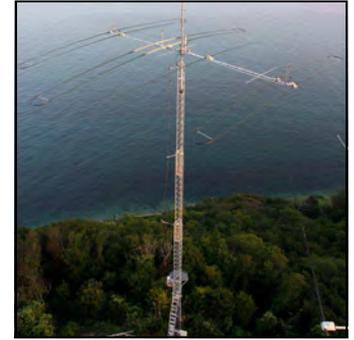


**The DB18 Yagi** antenna uses loop elements for 30 and 40M performance. The DB18 and DB18E are the most popular antennas in the DB line, due to their performance vs. size profile. The loop elements used for 40 and 30m are 40% shorter than a full size element would be, with very little sacrifice in performance (-0.3dB). The DB18 uses an integral coax switch to select which one of the three elements are driven to give equal performance in forward and reverse directions. The DB 18 has two active elements on 40m and 30m and three active elements on 20m-6m. The DB18 picture to the left is the beautiful QTH of EA3PW.



**The DB18E Yagi** is identical in every way to the DB18, with one exception—the DB18E utilizes three active loop elements on 30m, which provides outstanding performance on the 30m band. The DB18E has two active elements on 40m and three active elements on 30m-6m. The picture to the left is the snowy QTH of HB9CVE.

**The DB36 Yagi** is unique among the DB series antennas in that it has a single feed line, and no relays inside the EHU's. The DB36 has a 49 ft looped driven element. This patented design allows us to make the end loop elements only 39 feet long, yet the performance is as if all 3 of the loop elements are 49 feet long. The folded dipole loop technology lets the footprint be 40% less than that of the a full sized Yagi, losing only 0.3dB in gain performance. There are 3 active elements on 40/30m and 4 active elements on 20m-6m. The DB36 has an optional 80M dipole that allows for full coverage of the 80M band. The dipole runs parallel to the boom and uses the end elements as capacity hats, creating zero interaction with the rest of the antenna. The picture to the right is of the DB36 with optional 80m dipole at the enviable QTH of JA3AOP!



**The DB42 MonstIR Pro** is currently the largest of the Dream Beam series of Yagi antennas, with five active elements on 20m-6m and three active elements on 40/30. For those who aspire to the pinnacle of performance, the DB42 provides coverage from 80m through 6m (with optional 80m dipole kit). The dipole runs parallel to the boom and uses the end elements as capacity hats, creating zero interaction with the rest of the antenna. The DB42 has a 49 ft looped driven element. This patented design allows us to make the end loop elements only 39 feet long, yet the performance is as if all 3 of the loop elements are 49 feet long. The folded dipole loop technology lets the footprint be 40% less than that of a full size Yagi, losing only 0.3dB in gain performance. The picture to the right shows the very first DB42 at the QTH of K4SV.



**The BigIR and SmallIR verticals** are the only **true** 1/4 wave continuous coverage antennas available for the HF bands. The SteppIR tuning technology has had a profound impact on improving vertical antenna performance over that of traditional designs - there is no substitute for having a true 1/4 wave vertical on every frequency within the coverage range, without having to "trick" the antenna into being resonant. Being able to adjust the length of the element allows the Steppir vertical to be mounted nearly anywhere and still provide a good match to your transceiver. There are two models—the BigIR stands 32 ft high and covers 40m-6m continuously; The SmallIR stands 18 ft high and covers 20m-6m continuously. Optional coils are available for frequency coverage up to 80m. Radials are necessary with all 1/4 wave verticals. The picture to the right shows a BigIR during a rare Seattle-area snowstorm at the QTH of N7QT.



**The 20m-6m dipole** is arguably our most portable antenna. The dipole is simple to install, weighs a total of 15 lb and consists of two telescoping poles and an EHU. Length when operating is 36 ft. The dipole is portable and easy to install, but make no mistake—this antenna is a full sized performer! And, there is no substitute for being able to tune the antenna to the exact length needed on all frequencies within it's range. The picture to the right is of a SteppIR dipole mounted on a houseboat—QTH is Lake Powell Utah—owner unknown, scene priceless!

