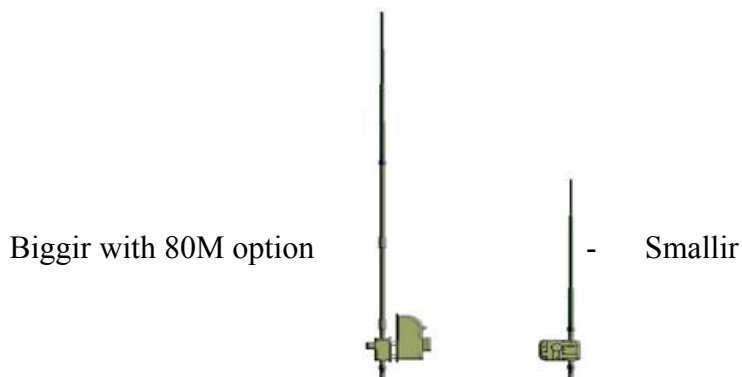


The Steppir Verticals are the only true ¼ wave continuous coverage antennas available for the HF bands. Being able to adjust the length of the element allows the Steppir vertical to be mounted about anywhere and still get a good match. As with all ¼ wave verticals a radial system is required. The Steppir verticals can be ground mounted or elevated above ground.



SPECS	Biggir	Biggir with 80M coil	Smallir
Element Length	32 feet	same	18 feet
Minimum Radials	12 x 16 foot	12 x 46 foot	12 x 9 foot
Weight	15 Lb	19 Lb	12 Lb
Wind load	2 Sq/ft (cylindrical)	same	1 Sq/ft (cylindrical)
Wind rating	When Guyed EIA 222-C	same	EIA 222-C
Adjustable elements	1	2	same
Power Rating	3 KW continuous	1.5KW on 80,60M. 3KW on all other bands	3 KW continuous
Frequency coverage	13.9 – 54 Mhz	3.4 -54 Mhz	13.9 – 54 Mhz
Tunning rate	.7 ft/sec	same	same
Control cable	4 conductor 22ga	8 conductor 22ga	4 conductor 22 Ga

Performance for Ham Bands	Biggir Gain, Dbi	Biggir with 80M coil Dbi	Smallir gain, Dbi
80M	N/A	.4	N/A
60M	N/A	.6	N/A
40M	1	1	N/A
30M	1	1	N/A
20M	1	1	1
17M	1	1	1

15M	1	1	1
12M	1	1	1
10M	1	1	1
6M	1	1	1

Order information	Part number	USA price	Description	Option
Biggir Vertical	00417	\$854	32 foot adjustable element, for 40M through 6M. Comes with Vertical element, Controller, Guy hardware Kit and Mounting pole. Will need control cable and Guy rope.	
80M Base loading coil option	06021	\$325	Attaches to the Base of the Biggir to add 60 and 80M Bands.	Yes
Smallir Vertical	00216	\$649	18 foot adjustable element, for 20M through 6M. Comes with Vertical, Controller and Mounting pole	
Smallir Ground radial Kit	06030	\$16	4x16Ga insulated wires 9 feet long terminated in a single ring lug. Requires 3 for minimum recommend radial system	Yes
Biggir Ground radial Kit	06031	\$16	4x16Ga insulated wires 16 feet long terminated in a single ring lug. Requires 3 for minimum recommend radial system	Yes
Ground Radial Kit for 80M coil	06033	\$40	4x16Ga insulated wires 40 feet long terminated in a single ring lug. Requires 3 for minimum recommend radial system	Yes
Elevated Radial Kit	06032	\$16	2x16Ga insulated wires 32 feet long terminated in a single ring lug. Requires one set per band	Yes
1:1 Balun SO239	06011	\$45	5KW Choke balun in water proof housing with PL259 and SO239 connectors	Yes
1:1 Balun N	06012	\$59	5KW Choke balun in water proof housing with Male and Female N connectors	Yes
Transceiver interface	01321	\$85	See controller for details on additional cable options. Radio cable required.	Yes
4 conductor Control cable	03101-03122	See cable	22 Gage Shielded control cable for vertical element motor, see control cable for length information	
8 conductor Control cable	03401-03422	See cable	22 Gage Shielded control cable for element motor and 80M coil switch, see control cable for length information	
Control cable line filter	06108	\$71	Line filter (8 conductor) for filtering ESD and other unwanted voltages from the Control cable. Made by Array Solutions.	Yes
33 volt supply	01101	\$44	Used for control cable lengths over 200 feet	Yes
N connector	01102	\$16	Adds a N connector to the element Housing	Yes

Guy Hardware Kit	09602	\$34	Extra Guy Ring hardware kit for Biggir	
Guy Rope	06303	\$9.50	50 foot, 3/16 Dacron rope (ham cord) in 50 foot increments.	
Vertical Mounting post	09506	\$36	24 inch long 1 3/4 x 1/8 wall Aluminum pipe.	