

The JTSPREAD spreader kit can be built to cover 4 bands. If 40 meters is included it will also tune on 15 meters giving you 5 bands. The A leg should be the shortest or highest frequency. B leg will be the next longest, C leg next longest, D leg will be the longest or lowest in frequency. The most common setup would be A = 10 meters, B = 20 meters, C = 40 meters, D = 80/75 meters.

Included items in this kit:

8 – Spreaders, 2 short (4 holes), 2 long (4 holes), 2 long (3 holes), 2 long

www.jetstream-usa.com 800-524-4889

Step 1:

Pick from the following chart and decide what 4 frequencies you want the antenna to cover. Then label each frequency with the letters A, B, C and D starting at the top of the chart. Do not pick 2 frequencies from the same section. EX 3.5 and 3.9 MHz. See the next page for an example.

Write letter below	Frequency (Mhz)	Left Side (ft)	Right Side (ft)	Total length (ft)
	28.0	8.35	8.35	16.7
	28.5	8.2	8.2	16.4
	29.0	8.05	8.05	16.1
	29.5	7.9	7.9	15.8
	1			
Write letter below	Frequency (Mhz)	Left Side (ft)	Right Side (ft)	Total length (ft)
	24.94	9.35	9.35	18.7
Write letter below	Frequency (Mhz)	Left Side (ft)	Right Side (ft)	Total length (ft)
	21.225	11	11	22
	- (
Write letter below	Frequency (Mhz)	Left Side (ft)	Right Side (ft)	Total length (ft)
	18.118	12.9	12.9	25.8
			Diabt Cida /41	Total langth (4)
write letter below	Frequency (IVINZ)		Right Side (ft)	
	14.0	16.7	16.7	33.4
	14.1	16.6	16.6	33.2
	14.2	16.45	16.45	32.9
	14.3	16.35	16.35	32.7
	14.4	16.25	16.25	32.5
	- (
Write letter below	Frequency (Mhz)	Left Side (ft)	Right Side (ft)	Total length (ft)
	10.14	23.05	23.05	46.1
	Frequency (NAb-)		Diabt Cide (4)	Total langth (ft)
write letter below	Frequency (IVINZ)			
	7.0	33.4	33.4	66.8
	7.1	32.9	32.9	65.9
	7.2	32.5	32.5	65
	7.3	32.05	32.05	64.1
	Frequency (NAb-)		Diabt Cide (4)	Total langth (ft)
write letter below	Frequency (IVINZ)		Right Side (ft)	
	5.308	43.0	43.0	87.2
Write letter below	Frequency (Mhz)	Left Side (ft)	Right Side (ft)	Total length (ft)
WITE IELLET DEIUW	2 5			122 7
	3.5	65	65 65	120.7
	3.0 2 7	<u> </u>	<u>دں</u>	126 /
	5./	03.2	03.2	120.4
	3.ð 2.0	60	60	123.1
	3.9		50.5	120
	4.0	58.5	58.5	11/

Copy the **side** length by the corresponding letters below. Not the total length.



Enter your A, B, C and D dimensions in the photo below.

Cut a wire about 1 foot longer than the dimension that you wrote in D. Assemble the balun spacers and end insulator as shown in the picture below. Then move the spaces to the proper dimension A, B and C. Repeat for the other side of the dipole.



Cut a wire about 1 foot longer than dimension C. Feed the wire through each spacer. Attach one end to the insulator. Attach the other end to the balun leaving about 4 inches or so hanging down as in the picture below. Then attach a rope from the insulator on the C leg to the insulator on the D leg. This should make the C leg snug. Repeat for the other side of the dipole.



Cut a wire about 1 foot longer than dimension B. Feed the wire through each spacer. Attach one end to the spacer. Attach the other end to the balun leaving about 4 inches or so hanging down as in the picture below. Repeat for the other side of the dipole.



Cut a wire about 1 foot longer than dimension A. Feed the wire through each spacer. Attach one end to the spacer. Attach the other end to the balun leaving about 4 inches or so hanging down as in the picture below. Repeat for the other side of the dipole.





Cut each of the wires leaving about 4 inches long pigtail. Then attach the terminals to each wire. Put 2 terminals on the stud. Tighten one nut. Put the remaining 2 terminals on the stud, tighten another nut. Repeat for the other side of the dipole.

This should put you pretty close in resonance so that a tuner will tune the antenna. You should however put the antenna up, check and tune. Tuning is the most difficult and requires lots of time and patience.

To tune start with the shortest length leg. If the antenna is too resonant too low in frequency, shorten the leg. If the antenna is too high in frequency lengthen the leg.

Repeat for each leg of the antenna.