



Trial Version Visit <http://www.alpha-softs.com/>

BASIC DIPOLE TUNING						
BANDS	RED SIDE - side with red lead			BLACK SIDE		
	COILS	Total whip sections out	TAP	COILS	Total whip sections out	TAP
40 METERS	YES	5.5 - 6	NO	YES	5 - 5.5	NO
30 METERS	YES	6	23	YES	5 - 5.3	20
20 METERS	YES	4.5	GREEN 10	YES	6	BLUE 15
17 METERS	YES	5	GREEN 10	YES	5.3	BLACK 6
15 METERS	YES	6	RED 4	YES	6	BLACK 6
12 METERS	YES	6	2	YES	6	4
10 METERS	YES	5	2	YES	6	2
6 METERS	WHIPS ONLY (NO COILS, NO ARMS) - 4.5 SECTIONS OUT EACH SIDE					
2 METERS	WHIPS ONLY (NO COILS, NO ARMS) 1 SECTION + 2*(TOTAL 15") EACH SIDE					

HERE ARE SOME NOTES ON TUNING THE BUDDIPOLE™

- Set up the antenna on a sturdy tripod and mast so that the dipole is 6 feet or more off the ground.
- Look at the diagram of the Buddipole at the top of the opposite page. Note that the **red** plug from the coax goes on the left side of the T in the **red** post.
- Install the dipole arms, and be sure the coil with the **RED LEAD** on it is screwed onto the dipole arm that leads to the left side of the antenna.
- On the left side (red side) of the dipole, there will be two taps, as you see on the diagram (opposite page). The first tap on this coil is the **RED** tap (closest to the whip), and the last tap is the **GREEN** tap. When the chart below the diagram (opposite page) shows that either the **RED** or the **GREEN** tap is to be used, this is the place to put the **red** mini banana plug that is attached to the coil.
- On the right side (black side) of the dipole, there will also be two taps, as you see on the diagram (opposite page). The first tap on this coil is the **BLUE** tap, and the last tap (closest to the whip) is the **BLACK** tap.
- If you wish to experiment with changing the positions of the coil clips, here are a few tips: You should lightly snug the black plastic retaining knobs that hold the clips to the coil turn; overtightening can result in 1) harm to the coil, and/or 2) a twisting of the clip resulting in a short between two turns (loss of 5-8 microhenries).
- To remove the clips and place them elsewhere, the best method we have found is to back the colored plastic retaining knobs off the clip almost entirely. This allows the clip to be held at an extreme angle (see picture above) close to the coil itself making it easy to remove. Attempting to remove the clip in any other way will result in damage to the coil. The close-to-the-coil angle makes it easy to take off and to place on the coil clips.
- The taps and the suggested whip adjustments on the chart we provide with the antenna are for an antenna that is up above the ground by six feet or more, and in the clear. You will need to compensate for nearby objects, especially those near the ends of the antenna. Metal objects, in particular, will make it necessary to adjust the whips or use an antenna tuner to get final resonance on the Buddipole™.
- There are 6 whip sections on each whip. Always pull the outside whip out first. The base section counts as a section, so, when all the whips are pulled out, there are six sections active at that time.
- Here's an example on tuning the Buddipole on 17 Meters. The chart shows that you will have 5 sections out on the **RED** side, and the coil would be tapped on the **GREEN** tap. On the right (black) side of the dipole, the **BLACK** tap is chosen, and the number of sections to be active is 5.3 (approximately 5 sections plus 2").
- Tuning 30 Meters, 12 Meters and 10 Meters is easy. Just move the taps according to the chart on the other side of this page. Always remember to count turns in from the whip side (outer side) of the coil. Count full turns only. For example, on 10 Meters, on the **RED** side, put a tap at 2 turns in, and on the other coil, install the tap 2 turns in. Adjust the whips per the chart.

