

A simple, cheap and good HDTV antenna.

Any piece of wood, plastic, plexi etc. will work. Should be at least 22" X 3". Copper wire works fine. Contact points are bare, cross-over points should be insulated. I used coat hangers with paint stripped off contact points. You'll need 10 screws and washers to clamp down the wires (I used wide-head screws), and a television 75ohm:300ohm balun, the kind used on old TVs to connect outdoor antennas to the cable TV input. Each of the 8 elements of the antenna is 14" in length, folded into a "V" to give 16 each 7" elements with 3" spacing at open end. The spacing between pairs of elements is 5.25". The balun is placed in the center as shown and fed with 75ohm coax to the HDTV coax input.

