

Great Dual Band Base Antenna for Handhelds

Here is a dual band antenna that works very well as a home antenna

Note: This is a dual band antenna, if you plan to install a quad band radio in your house, like the TH-9800 by TYT, then you will either need a different antenna or you could diplex this antenna with a 10m/6m antenna in the future. This antenna is primarily intended for those planning to use handhelds into repeaters from home.

<http://edsantennas.weebly.com/>

This professor and his class makes them in California. The DBJ-1 is what you are looking for it is just \$29.00. I think you will have to put it in a piece of PVC when you receive it and find a way to mount it. Shouldn't be too hard to rig up and its not real long.

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You will need some RG-8x, long enough to go from mounting location into your house and you will have to find a way to run it. You may cut the connector off the RG8X and solder on a new connector. You can buy RG-8x on Amazon.com

You will notice on his web page Ed sells S0-239 (female) to SMA (male) adapters you will need one of these too. Only \$2.00 great price.

Just mount the antenna outside your house, run the wire, hook up the radio with the adapter and you will see a remarkable improvement. Yes, this will work wonderfully with only 8 watts you may even be able to hit the repeater using lower power settings. The higher the antenna the better but it does not really have to be all that high, just outside.

Ed also sells RG8X on his site too. Longer runs will require buying your cable on Amazon, avoid splices if possible.

When you run then feedline RG-8X do not coil any extra up as that will build an ugly balun or RF choke and will attenuate your signal. Also avoid kinks or pinches in the cable.

Connect the cable to the antenna and water seal it using dielectric silicon grease and water sealing tape covered by Scotch 33 black tap (very specific) then have an experienced ham come put the connector on for you.

There is a very important method for water sealing outside connectors. Apply the silicon dielectric grease to the outside threads only, do not get the grease on the center pin. If you get the grease on the center pin clean the pin using rubbing alcohol and an abrasive like a pencil eraser (not sand paper). Screw the connectors together then cover with water seal tape, then cover with the Scotch 33 tape. Do not substitute for the scotch 33 black tape as cheaper brands let loose over time where scotch 33 does not. This process makes a big difference.

If you need help or have questions feel free to contact,

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