



Painter's Pole Outdoor Radome/ Enclosure for RTL- SDR



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Summary

Get your RTL-SDR dongle away from your noisy computer and put it outside where it belongs!

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[dipoleantenna](#)

I wanted to get my SDR dongle away from the computer and outside the RV for cleaner reception. This will allow up to 30' of separation with a standard male - male USB cable. You might be able to find longer, but I'm not sure what the standard allows. 30 feet or 10 meters is enough to go out a window and up over the roof line of a standard home. I use a telescoping painter's pole with a standard thread that is designed for light maintenance like cleaning, painting and changing hard to reach bulbs in auditorium ceilings.

It also accommodates a common USB bulkhead connector I picked up off Amazon. You can find one with a different configuration with a little bit of searching for 'USB Bulkhead connector' The hole should fit, but might take some modification. I also 'paint' my outdoor prints with whatever decent

Clear UV spray coat I can find. Krylon will do. I have PLA prints holding up for 5+ years now outdoors. I expect even better performance from the new PLA+ filaments. Obviously, you'll want to print in white if you don't want to bake your dongle.

Model files



sdr-dongle-dingus.stl



sdr-dd-antenna-jig.stl



sdr-dd-antenna-jig.obj



sdr-dd-dome.stl



sdr-dd-dome.obj



sdr-dongle-dingus.obj

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