

How to build a Doctor Oakroot one-string cigar box guitar.

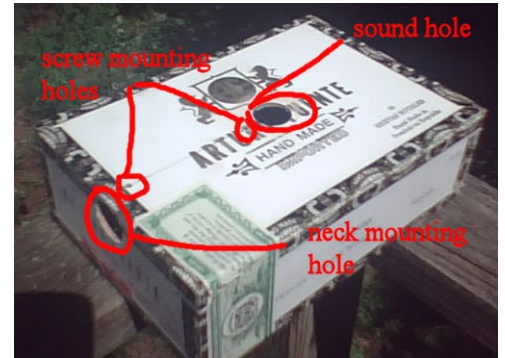
This is an instrument inspired by the Senegambian Ngiri that you can build from the box that contains this press kit.

Materials needed:

1. Box with pre-drilled holes – supplied
2. A zither pin tuner – supplied
3. Two (2) #10 pan-head screws – supplied
4. 18 gauge wire for a string – supplied
5. One 7/8" dowel, at least 2 ft long – available at Lowe's, Home Depot, Michael's (craft store), or your local hardware or craft store.

Tools needed:

1. Drill with 5/32" and 3/16" bits
2. Screw driver matching supplied screws.
3. A small adjustable wrench.



Process:

1. Insert dowel into neck mounting hole. Neck should come to the middle of the sound hole.

2 ft long 7/8" dowel fits like this



set neck halfway into sound hole



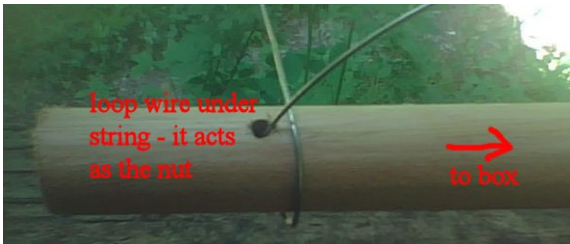
drill and install this screw first to hold neck steady for drilling



2. Using the 5/32" bit, drill through the screw mounting holes into and through the dowel. This is easiest if you drill and install the screw near the sound hole to hold the dowel steady before drilling the other hole.
3. Install the two pan head screws to hold the neck in place.
4. Using the 3/16" bit, drill a hole through the dowel for the tuner inside the sound hole right at the forward edge.
5. Use the adjustable wrench to very gently twist the tuner into the hole. Don't put it in too far since this will make the string too low. Go in about 3/4" inch.
6. Drill a hole in the other end of the dowel – from top to bottom of the neck. It doesn't matter which bit you use.
7. Thread the wire through the hole. Make sure you have enough wire to run from the top of the hole to the tuner (and a little beyond).
8. Wrap the bottom part of the wire around the dowel and under the string running to the tuner. This piece of wire will act as the nut on the finished instrument.

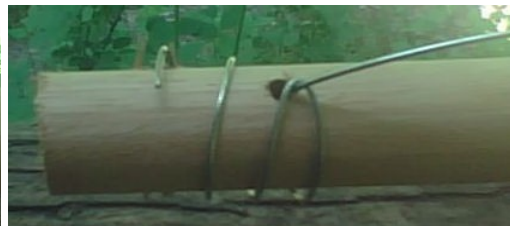


gently twist tuner into hole



loop wire under string - it acts as the nut

to box



9. Reverse the wire and wrap several times around the dowel. This is enough to hold the string in place once it tightens up.
10. Thread the other end of the string through the hole in the tuner and tighten with the adjustable wrench. Make sure the wire winds upward from the hole or you may make the action too low.
11. Tighten until the string is tight enough to make a good tone. Play with a slide.

