Constructing the

Folding Ukulele

“super-mini” version

Soprano size, folds to a box 9” x 3.5 x 2”

Constructed from laser-cut bamboo.

Kit available at: http://www.ponoko.com/showroom/chosetec

designed by Brian Chan
Before you get started...

- Please thoroughly read through the instructions before building.
- Test-fit all the pieces before gluing them together.
- Note that all joints are to be glued unless otherwise specified. Pay close attention to the parts that are not to be glued.

You will need...

1) Folding Ukulele Kit, available from  
   http://ponoko.com/showroom/chosetec
2) Wood glue (such as Titebond II or superglue)
3) Four cylindrical magnets, 0.125” diameter and 0.125” thick.
4) Sandpaper, 150 grit and 220 grit.
5) A small, flat file (like a needle file or slightly larger)
6) A set of ukulele strings (or similar gauge fishing line:  
   0.024”, 0.032”, 0.034”, and 0.028” diameters)
7) Two lengths of 0.25” hardwood dowel - 3.5” long and 1.75” long

Take your time and enjoy the building process, and of course enjoy your Folding Ukulele anywhere you go!

- Brian Chan
finished head:
PRO TIP: ream the peg-holes using a violin peg-hole reamer.
(11) [Diagram of a component]

(12) [Diagram of a component with labels f1-f15]

(13) [Diagram of a component with labels]

(14) [Diagram of a finished neck]

(15) [Diagram with text: "Carefully re-drill or ream these holes to 0.25"]

(16) [Diagram of another component]

(17) [Diagram of a component with labels 21, 22, 27, 27, 27]
Final Assembly

USE NO GLUE

If the dowels do not fit easily, sand them thinner.

* sand all sharp edges
* wind strings around pegs
* re-drill or ream the holes for the dowels.