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# Robotic Christmas Teapot

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Located at: <http://www.youmagine.com/designs/robotic-christmas-teapot>

## Short description:

An animated Christmas Themed Robotic Teapot.

## Description:

<https://youtu.be/D9yx09USy-Y> <https://youtu.be/cMgMBwbCghE> "Robotic Christmas Teapot" (my wife calls it Robotic Christmas "Treepot") is a motorized, animated Christmas themed teapot. The animated mechanism features three axis of rotation; pitch (the spout), yaw (the handle) and roll (the body), plus a "wobbling" circular travel path, and is powered by a 3.7VDC 100MA LIPO battery driving an N20 6VDC 100RPM gear motor. The model draws around 8MA during operation. And why a teapot? In my early days of designing 3D graphic engines for video game ([https://youtu.be/\\_gbwNLutr\\_4](https://youtu.be/_gbwNLutr_4)) and avionics applications (over forty years ago), for reasons I cannot explain the teapot was the "goto" model for testing CGI / graphic engine rendering speeds. So in memory of my graphic engine design days, I thought I would revive my teapot model in 3D print. And as usual, I probably forgot a file or two or who knows what else, so if you have any questions, please do not hesitate to ask as I do make plenty of mistakes. Designed using Autodesk Fusion 360, sliced using Cura 4.4.0, and printed in PLA on an Ultimaker 3 Extended and an Ultimaker S5. One final note, I receive no compensation in any form whatsoever for the design, equipment, parts and/or materials used in this model.

If you can, please use the online documentation found at <http://www.youmagine.com/designs/robotic-christmas-teapot> because those may have been updated. Also, there you can interact and provide praise and/or feedback.